

A NOTE FROM BOKER'S

We are pleased to bring you the Boker's, Inc. 2024 Stampings & Washers Catalog. For over 100 years, we have been honored to provide stamped components and washer solutions to every market and industry to date.

As announced in 2022, we expanded our manufacturing facility to add 66,500 square feet of space for material storage, production, quality assurance and shipping to meet the ever-changing needs of our customers in almost every industry around the world. Since fully coming online, our team has experienced a more streamlined manufacturing process and increased productivity of project workflow, to continue to provide high-quality components, world-class customer service and fast delivery. This new space has also aided the Boker's team in their focused efforts to reduce lead times and exceed on-time deliveries - and now, most orders ship in two weeks or less, which helps you, our customers, keep your processes moving to meet production schedules.

I invite you to read this 2024 Stampings & Washers Catalog and learn how Boker's can help provide value to your organization. I also invite you to connect with our experienced Sales Associates who can answer your questions, provide quotes, or discuss solutions that solve your newest challenge.

As always, it is our greatest pleasure to be at your service.







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BOKER'S, INC.

1860

1901

1919

1923

1926

1933

Vitus immigrated to the United States

V.A. Boker & Sons was

Check Protector patented

Second location on Erie Street

Third location at Bohemian Flats



100+ YEARS OF PRECISION MANUFACTURING

It all began in the Minneapolis basement of a young, passionate and focused man named Vitus Boker. He instilled the values of hard work and attention to detail throughout the company as it grew. These values still guide the company today, which inspires the team to provide an exceptional customer experience while producing the highest quality component parts.

Being a value-driven company also means giving back and being good stewards for the surrounding community. From drawing skilled tradespeople from across the Twin Cities to volunteering with local non-profits, Boker's brings passion and attention to detail to everything we do.

A Part of Every Industry

Boker's has been serving companies on the forefront of technology innovation for over 100 years. As a result, you come into contact with components that Boker's has manufactured almost every day. From airplanes, appliances and medical devices to outdoor recreational equipment, furniture and renewable energy, you interact with items that feature stamped components manufactured by Boker's.

Customers trust Boker's because of their quality, on-time delivery and service. Often times, customers come with a difficult part that they were struggling with and Boker's figures out how to manufacture the part to their exact specifications.

Continuing the Legacy

Boker's works in and serves all fast-paced and highdemand industries. Over the past 100+ years, we have embraced and been on the forefront of technology evolution and integration.

The future of Boker's is sticking to our wheelhouse of what we are known for while expanding our customer base and serving emerging markets. We will continue to expand capabilities by adapting and pursing new technologies and processes in an effort to continue exceeding customer expectations.

Our team works hard and is dedicated to following and continually improving processes. This is the reason Boker's is successful and will continue to be so for at least the next 100 years.

- Chuck Kersey, Assistant Sales Manager

4th location on Snelling Avenue Held the first meeting of the board of directors

William Tedlund becomes sole owner 66,500 square foot expansion totaling over 165,000 square feet

1939

1942

company to his children

(John, William, Richard, Marie)

1947

1968

1986

2008

2018

2019

Vitus retired, leaving

Boker's purchased by four employees (William Tedlund, Joseph Basara, Chester Engquist, Joseph Kantorowicz) Expansion completed totaling over 90,000 square feet

Boker's celebrates
100th Anniversary



Over 2,000 Materials

To expedite your order and shorten delivery time, Boker's has immediate access to over 2,000 commonly specified and hard-to-find materials. Whatever your requirements, if it can be stamped, we can turn it into the part you need.

Metallic Materials: Low carbon, cold rolled strip and sheet steel, SAE 1050, 1075, and 1095 spring steel, blue and black temper spring steel, low alloy steel sheets, brass, copper, nickel silver, beryllium copper, phosphor bronze, stainless steel, aluminum and others.

Non-Metallic Materials: Acetal, PTFE, polyester, nylon, fiber, polyethylene, various phenolics and NEMA grade phenolics and others.

Superalloys: Iron, cobalt and nickel based alloys such as: Hastelloy, Inconel, Monel and others.

Secondary Operations

Boker's provides secondary operations including deburring, tapping, counterboring, reaming, and spotfacing to name a few. We also have approved vendors for plating, heat treating, grinding, testing and others.

Boker's Environmental Compliance

Boker's, Inc. is committed to responsible business practices that portray our dedication to our employees, customers, country and world.

Certified Quality Management System

Our Quality Management System (QMS) is AS 9100:2016/ISO 9001:2015 Certified. When you purchase products from us, you can be confident that our processes are efficient and effective.

Quality Assurance and Certification

- ✓ C of C
- ✓ F.A.I.
- PPAP
- ✓ AS9102
- DFARS
- ✓ REACH
- ✓ Rohs
- ✓ ITAR
 ✓ IMDS
- ✓ S.P.C.

- ✓ Dock-To-Stock
- ✓ Conflict Minerals
- ✓ CA Proposition 65
- ✓ Latex-Free
- ✓ WBENC





Bokers.com is Your Complete Resource

Boker's website provides extensive stamping information including access to thousands of non-standard flat washer, spacer, shim and disk sizes.

Simply key in the desired size range in inch or millimeter measurements by O.D. or I.D. and get immediate display of all stock tool sizes.



Stay in the Loop with Boker's Bulletin

This electronic newsletter is sent out on a quarterly basis and contains industry news as well as other metal forming industry information.

Subscribe today! Scan or visit bokersbulletin.com





Prototype Before Production

No more guess work or uncertainty. Only precision.

Make sure to take advantage of our capabilities next time you work with us



Boker's 3D Printing Prototyping Services

Boker's offers additive manufacturing (3D printing) to provide customers with 3D prototypes. See how your product will turn out in advance. This service allows our customers to test parts for form and fit prior to production of the actual stamped part.



Inspection Reports

Certificates of Compliance, Chemical/Physical Analysis, PPAP, FAI and AS9102 are available upon request.



Fast Delivery

At Boker's, fast delivery is the standard practice. Boker's can also meet your delivery and stocking requirements with flexible "Just-In-Time" (J.I.T.) and "Dock-to-Stock" programs. Your order may also be expedited for faster delivery.



Minimum Quantity

Orders require a minimum production run of 100 pieces, though deliveries of lesser quantities can be arranged. Per-unit costs rapidly decrease as the quantity increases.



High-Volume Orders

Increased production capacity and enhanced technology allows Boker's quality stampings and non-standard washers to be manufactured quickly, well into the millions.



Quality Stampings Made to Order

Vitus Boker launched the company based on pioneering the production of high-quality, short-run stamped metal parts. With over 100 years of experience, Boker's has earned the reputation as a stamping leader and the respect of many customers for their specialized metal components.



Draws up to 3" deep and 8" in diameter



Complex metal forming needs in thicknesses from .005" to .190" (varies by material)



Flat blanking and piercing up to 12" by 12"

Draws, Forming, Blanking and Piercing

At Boker's, we utilize the latest stamping technologies and manufacturing concepts to continually provide you with stampings of the highest quality. This diligent effort to achieve and retain the highest quality possible in our metal stamping processes goes back to 1919.

Production Process Overview:

- In-House tool and die department designs and produces custom tooling to be used in the stamping process.
- Material warehouse shears sheets of material into strips or issues a coil of material—metallic or non-metallic.
- The material then transfers to the production floor to be stamped using the custom or stock tool(s) in one or more of our many varieties of punch presses.
- Parts are then (in any combination) blanked, deburred, formed, drawn, tapped or
 pierced in-house. After in-house production is complete parts may be sent to an
 approved vendor for plating, heat treating, grinding, or testing before going to
 Boker's Quality Assurance Department. In our Q.A. Lab, parts are inspected to
 ensure they meet customer specifications before being released for shipping.





Precision Fabrication

When you've been successful for 100+ years, quality isn't just a promise, it's our mission. The washers, spacers and shims you get from Boker's will meet your specifications from the first part to the last. Those are not just words at Boker's, but the goal of the quality-conscious personnel who produce your precision parts. Boker's dedicates every department to the task of providing the highest quality washers, spacers and shims.

As a final check, your parts are inspected in the Q.A. Lab before your order is shipped out.

Washers, Spacers & Shims

Metric Sizes No Problem! Boker's maintains over 32,000 stock tools for flat washers, spacers and shims. You can choose from a wide variety of sizes, thicknesses and materials, including non-metallics. With outside diameters of 0.080" to 5.140" and a wide variety of inside diameters, you have millions of flat washer possibilities.



Special Shapes and Sizes

Boker's also makes special washer shapes and sizes—up to 12" in outside diameter. We can produce a vast number of custom washer types with little to no tooling costs.

Tell us what you need, and we'll make it to your exact specifications. Visit bokers.com to submit a drawing for a fast quote or to search stock metric sizes.



The Widest Range of Disks Available

Disks, commonly referred to as discs, circles, plates and/or slugs, are typically round washers with or without a center hole and are typically used to provide a precise space between components or materials or for load disbursement.

All of Boker's 32,000+ flat washer sizes are available without the I.D. hole in more than 2,000 commonly specified and difficult-to-find materials.

- Sizes up to 12" x 12" (flat)
- Thicknesses from .005" to .190" (varies by material)

SPACE AIR LAND SEA

Serving a World of Industries

AEROSPACE, AVIATION & DEFENSE • MEDICAL • ELECTRONIC MEASUREMENT & TESTING • TELECOMMUNICATIONS • RENEWABLE ENERGY • OIL & GAS HYDRAULICS • INDUSTRIAL EQUIPMENT • AGRICULTURE • APPLIANCES HVAC • RECREATIONAL VEHICLES • AUTOMOTIVE • INFORMATION TECHNOLOGY PHOTOGRAPHIC & IMAGING EQUIPMENT • OFFICE MACHINES • CUTLERY & HAND TOOLS • CABINET & FURNITURE • CONSUMER PRODUCTS AND MORE

With a commitment to continuous improvement, Boker's recently surveyed a subset of our customer base in our pursuit of perfection. Our customer service team, comprised of key personnel, reviewed every response and identified action assignments focused on providing the highest quality customer service. Thank you to everyone who participated. We are listening.

Here's what our customers are saying:

Customer Satisfaction is Our #1 Goal

When quality and precision matter the most, turn to Boker's for your stamped components.



BOKER'S STAFF HAVE ALWAYS JUMPED THROUGH HOOPS TO ACCOMMODATE US WHENEVER WE WERE IN DIRE STRAITS. I ENJOY WORKING WITH THEIR STAFF EVERY TIME WE NEED TO PLACE AN ORDER.

- Customer in Defense Industry

BOKER'S HAS BEEN VERY GOOD IN THESE HARD TIMES. DELIVERY HAS BEEN MUCH BETTER. CUSTOMER SERVICE IS EXCELLENT.

- Customer in Pressure Gauge Manufacturing Industry

HONESTLY, BOKER'S PROVIDES EXACTLY WHAT WE NEED IN

CUSTOM STAMPED WASHERS AND SPACERS.

- Customer in Firearm Industry

WE'VE BEEN A SATISFIED BOKER'S CUSTOMER FOR OVER 20 YEARS.

THE QUALITY OF THE PRODUCTS, CUSTOMER SERVICE, AND **LEAD TIMES HAVE ALWAYS BEEN EXCELLENT**.

- Customer in Prosthetics & Orthotics Industry

GIVEN ALL THE *GENERAL SUPPLY*CHAIN ISSUES, BOKER'S HAS **DONE GREAT**AND EXCEEDED EXPECTATIONS.

- Customer in Photography & Imaging Industry

"

BOKER'S NON-STANDARD WASHERS AND SPACERS

This is our list of stock tools from which our washers are made to your order in any quantity without a tooling charge. We do NOT carry any washers in stock. You can choose an exact thickness for washers within the tool range indicated. For the most up-to-date list of sizes, please visit **bokers.com**

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170 191 005 - 101 180 180 006 005 - 010 186 118 030 - 040 180 113 010 - 005 181 120 - 020 020 020 035 005 - 010 180 114 020 - 040 186 114 020 - 030 130 015 - 030 180 147 005 - 010 204 125 025 - 040 186 114 020 - 030 190 132 015 - 030 180 147 005 - 010 204 125 025 - 040 181 030 030 - 050 180 147 030 030 - 050 180 141 035 - 010 186 125 010 - 030 180 180 035 - 010 180 035														.114				.005010
171 1086 0.095 - 0.10 180 110 0.025 - 0.40 186 119 0.055 - 0.10 190 128 0.10 - 0.15 198 114 0.025 - 0.10 2.04 1.05 0.005 - 0.11 117 0.06 0.095 - 0.095 0.095 - 0.10 118 0.055 - 0.10 0.055 - 0.10																		.005010
171 1085 008-010 180 114 002-040 186 124 002-030 190 130 015-030 199 147 006-010 204 105 030-040 171 008 030-050 030-050 030-040 186 125 005-010 191 038 030-050 199 050 006-050 020 241 143 022-030 171 030 005-030 030-050 030-050 030-040 148 030-050 0																		
171 0.06																		
171 0.097 0.05 - 0.09 180 180 180 0.05 - 0.10 186 126 0.05 - 0.10 199 0.08 0.05 - 0.10 199 0.05 0.03 0 - 0.05 0.04 143 0.02 - 0.05 171 0.08 0.005 - 0.07 180 141 0.05 - 0.10 186 129 0.02 - 0.40 191 0.05 0.01 109 1.05 0.03 0 - 0.05 0.0																		
171 0.90 0.05 - 0.05 0.30 180 128 0.05 - 0.10 186 129 0.02 0.04 199 108 0.30 0.05 0.02 0.05																		
171 1098 0007 - 015 180 141 005 - 010 186 129 020 - 040 191 063 010 - 016 199 112 010 - 020 205 036 030 - 020 171 128 010 - 020 181 078 007 - 016 186 136 010 - 020 191 065 025 040 199 118 015 - 020 205 079 020 - 030 171 128 010 - 020 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 - 010 181 087 005 010 181 087 005 010 181 087 005 010 181 087 005 010 181 087 005 010 181 087 005 010 181 087 005 010 181 005 010 010 005 010 010 005 010 00																		.010020
171 128 0.010 - 0.20 181 0.078 0.075 - 016 186 155 0.055 - 010 191 0.069 0.025 - 0.040 1.091 1.086 0.055 - 0.010 1.091 1.092 0.025 0.094 0.010 - 0.02 0.095 0.094 0.010 - 0.02 0.094 0.005 - 0.010 1.091 1.092 0.032 - 0.005 0.005 - 0.010 0.005 0.010 0.010 1.091 0.095 0.005 - 0.000 0.005 0.005 - 0.010 0.005 0.005 - 0.005																		.015025
171 129 0.010 - 0.20 181 0.087 0.05 - 0.10 186 164 0.05 - 0.01 191 0.075 0.040 - 0.00 2.00 0.026 0.05 - 0.10 2.05 0.094 0.10 - 0.02 1.12 0.036 0.05 - 0.10 1.18 0.048 0.05 - 0.10 1.18 0.048 0.05 - 0.10 1.18 0.048 0.05 - 0.10 1.18 0.048 0.05 - 0.10 1.18 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 - 0.10 0.05 0.05 0.05 - 0.10 0.05 0.	.171	.101	.010020	.181	.071	.005010	.186	.136	.010020	.191	.065	.025050	.199	.154	.005015	.205	.050	.030040
171 130 0.05 - 0.10 181 0.93 0.05 - 0.10 187 0.94 0.15 - 0.30 191 0.97 0.05 - 0.30 2.00 0.05	.171	.128	.010020	.181		.007016	.186	.155	.005010	.191	.069		.199	.158	.015020	.205	.079	.020030
172 0.36 0.05 - 0.10 181 1.095 0.10 - 0.16 187 0.074 0.15 - 0.30 191 0.092 0.32 - 0.50 2.00 0.57 0.05 - 0.10 2.05 1.12 0.10 - 0.25 1.12 0.10 - 0.25 1.12 0.10 - 0.25 0.18 1.16 0.05 - 0.10 1.87 0.077 0.02 - 0.40 1.91 1.14 0.03 0.00																		.010020
172 074 005 - 020 181 116 005 - 010 187 077 020 - 040 191 104 020 - 030 200 066 005 - 010 205 131 010 - 020 172 081 020 - 030 025 181 116 015 - 030 187 078 025 - 050 191 119 142 005 - 010 200 078 020 - 030 205 131 010 - 020 172 081 020 - 030 181 127 015 - 025 187 081 005 - 010 191 142 005 - 010 200 078 020 - 030 205 137 025 - 040 172 080 020 - 030 182 035 020 036 035																		
172 0.80 0.15 - 0.25 1.81 1.16 0.15 - 0.30 1.87 0.78 0.25 - 0.50 1.91 1.19 0.10 - 0.02 0.00 0.78 0.20 - 0.30 2.05 1.37 0.05 - 0.04 1.72 0.96 0.20 - 0.32 1.81 1.22 0.05 - 0.25 1.87 0.81 0.05 - 0.10 1.91 1.15 0.05 - 0.10 2.00 0.78 0.20 - 0.30 2.05 1.37 0.25 - 0.34 1.72 1.03 0.10 - 0.20 0.182 0.05 - 0.25 1.87 0.81 0.05 - 0.10 1.91 1.51 0.05 - 0.10 2.00 0.79 0.10 - 0.20 2.05 1.47 0.25 - 0.33 1.72 1.03 0.10 - 0.20 1.82 0.05 - 0.10 0.187 0.84 0.05 - 0.10 1.92 0.91 0.20 - 0.40 2.00 0.87 0.25 - 0.40 2.06 0.94 0.05 - 0.10 1.72 1.28 0.05 - 0.10 1.82 0.83 0.16 0.05 - 0.10 1.92 0.91 1.80 0.20 - 0.40 2.00 0.87 0.25 - 0.40 2.06 0.94 0.05 - 0.10 1.72 1.28 0.05 - 0.10 1.82 0.91 0.187 0.86 0.05 - 0.10 1.92 0.91 1.18 0.05 - 0.10 2.00 0.99 0.05 - 0.10 2.06 0.94 0.05 - 0.10 1.73 0.75 0.15 - 0.35 0.15 - 0.35 0.187 0.89 0.10 - 3.03 1.92 1.20 0.04 2.00 0.99 0.05 - 0.10 2.06 1.54 0.05 - 0.10 1.73 0.75 0.75 0.05 - 0.10 0.20 0.99 0.15 - 0.20 0.20																		
172																		
172 0.96																		
172 103 0.10 - 0.20 182 0.65 0.10 - 0.20 187 0.82 0.05 - 0.042 1.91 1.62 0.05 - 0.04 2.00 0.86 0.05 - 0.04 2.06 0.05 0.01 1.72 1.09 0.20 - 0.04 1.82 0.05 - 0.01 0.87 0.05 - 0.01 0.88 0.05 - 0.01 0.12 0.08 0.05 - 0.01 0.12 0.08 0.05 - 0.01 0.0																		.025030
172 128 0.05 - 0.10 182 0.68 0.10 - 0.20 187 0.08 0.30 - 0.50 192 118 0.05 - 0.10 0.20 0.90 0.01 - 0.20 2.06 1.26 0.05 - 0.11 1.73 0.05	.172	.103	.010020	.182	.052	.010020	.187	.082	.005042	.191		.015020	.200	.086	.025040			.005015
173 0.065 0.15 0.30 1.82 0.083 0.40 0.050 1.87 0.089 0.10 0.303 1.92 1.25 0.05 0.010 2.00 0.095 0.05 0.010 0.26 1.54 0.05 0.01 0.73 0.75 0.75 0.05	.172	.109	.020040	.182	.057	.012020	.187	.084	.005010	.192	.091	.020040	.200	.087	.025040	.206	.094	.005010
173 0.70 0.20 - 0.30 1.82 0.94 0.15 - 0.30 1.87 0.91 0.15 - 0.25 1.92 1.33 0.05 - 0.10 2.00 0.96 0.05 - 0.10 2.07 0.15 0.05 - 0.10 1.73 0.98 0.05 - 0.10 1.82 1.30 0.05 - 0.16 1.87 0.99 0.05 - 0.10 1.92 1.49 0.15 - 0.25 2.00 0.97 0.15 - 0.30 2.07 1.27 0.15 - 0.25 1.73 0.98 0.05 - 0.10 1.82 1.34 0.05 - 0.10 1.87 0.99 0.05 - 0.10 1.92 1.49 0.15 - 0.25 0.00 0.99 0.15 - 0.30 2.07 1.27 0.15 - 0.20 1.73 0.98 0.20 - 0.30 1.82 1.34 0.05 - 0.10 1.87 0.98 0.15 - 0.25 1.93 0.75 0.15 - 0.30 2.00 0.98 0.15 - 0.25 2.07 1.32 0.20 - 0.30 1.73 1.00 0.10 - 0.20 1.83 0.96 0.10 - 0.25 1.87 0.98 0.15 - 0.25 1.93 0.95 0.20 - 0.40 2.00 1.00 0.40 - 0.50 2.07 1.44 0.10 - 0.20 1.73 1.10 0.10 - 0.20 1.83 0.96 0.20 - 0.30 1.87 1.00 0.05 - 0.10 1.87 1.00 0.05 - 0.10 1.87 1.00 0.05 - 0.10 1.93 1.03 1.10 - 0.20 2.00 1.10 0.05 - 0.40 2.07 1.44 0.05 - 0.10 1.73 1.14 0.10 - 0.25 1.83 0.97 0.05 - 0.10 1.87 1.06 0.15 - 0.40 1.93 1.13 1.23 0.15 - 0.30 2.00 1.05 0.10 - 0.25 2.08 0.99 0.10 - 0.20 1.00 1	.172	.128	.005010	.182	.068	.010020	.187	.086	.030050	.192	.118		.200	.090	.010020	.206	.126	.005010
173 .079 .020030 .182 .110 .010020 .187 .091 .015025 .192 .133 .005010 .200 .096 .005010 .207 .112 .005011 .173 .088 .005010 .187 .095 .005010 .192 .149 .015025 .200 .097 .015030 .207 .127 .015025 .030 .173 .096 .020040 .183 .067 .012025 .187 .098 .015025 .193 .095 .020040 .020 .010 .040050 .207 .133 .020033 .173 .100 .010020 .183 .096 .020030 .187 .100 .005010 .193 .103 .010020 .101 .005040 .027 .144 .010020 .173 .100 .101020 .183 .096 .020030 .187 .106 .015040 .193 .111 .005010 .200 .102 .005030 .207 .147 .005011 .173 .114 .010020 .183 .097 .005010 .187 .106 .015040 .193 .123 .015030 .200 .105 .010025 .208 .099 .01002 .173 .114 .010020 .183 .101 .020036 .187 .108 .005010 .193 .133 .005010 .200 .110 .025035 .208 .120 .005006 .114 .010025 .208 .099 .015025 .005006 .114 .010025 .208 .099 .015025 .005006 .114 .010025 .026 .014 .010025 .026 .014 .015 .025 .005016 .014 .014 .025 .026 .0																		.005010
173 .098 .005010 .182 .130 .005016 .187 .095 .005010 .192 .149 .015025 .200 .097 .015030 .207 .127 .01502 .020 .133 .096 .020040 .183 .005010 .187 .096 .010025 .193 .095 .020040 .200 .010 .040050 .207 .133 .02003 .173 .100 .010020 .183 .096 .020030 .187 .100 .005010 .193 .113 .010020 .200 .101 .005040 .207 .144 .01002 .173 .102 .010020 .183 .096 .020030 .187 .104 .032042 .193 .111 .005010 .200 .102 .005030 .207 .144 .01002 .173 .104 .016025 .183 .096 .020030 .187 .104 .032042 .193 .111 .005010 .200 .105 .010025 .208 .099 .01002 .173 .114 .010020 .183 .101 .020036 .187 .108 .005010 .193 .133 .005010 .200 .105 .010025 .208 .099 .01002 .173 .114 .010020 .183 .105 .005010 .187 .116 .015032 .193 .133 .005010 .200 .116 .010020 .208 .122 .00500 .174 .077 .010020 .183 .118 .015032 .187 .116 .010020 .193 .162 .010012 .200 .124 .020036 .208 .128 .04005 .174 .077 .010020 .183 .118 .015035 .187 .125 .005010 .194 .096 .020030 .200 .125 .005010 .208 .128 .04005 .174 .077 .010020 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .128 .025040 .208 .128 .025040 .187 .128 .025040 .187 .128 .005010 .195 .075 .032 .005010 .200 .128 .025040 .208 .128 .025040 .138 .131 .015025 .187 .128 .005010 .195 .075 .032 .005010 .200 .128 .025040 .208 .128 .025040 .187 .128 .005010 .187 .128 .005010 .195 .075 .032 .00																		.005010
173 0.99 0.20 - 0.35 182 134 0.05 - 0.10 187 0.96 0.10 - 0.25 193 0.75 0.15 - 0.30 2.00 0.98 0.15 - 0.25 2.07 1.32 0.20 - 0.33 0.35 0.20 - 0.40 1.30 0.05 - 0.10 0.05 - 0.10 0.05 - 0.10 0.95 0.10 0.95 0.95 0.20 - 0.40 2.00 0.10 0.40 - 0.50 2.07 1.34 0.05 - 0.10 0.20 1.33 0.07 0.05 - 0.10 0.95 0.10 0.10																		
173 .096 .020040 .183 .067 .012025 .187 .098 .015025 .193 .095 .020040 .200 .100 .040050 .207 .133 .020030 .173 .100 .010020 .183 .096 .020030 .187 .100 .005010 .193 .103 .1010020 .200 .101 .005040 .207 .144 .010025 .133 .096 .020030 .187 .104 .005010 .183 .096 .020030 .187 .104 .032042 .193 .111 .005010 .200 .102 .005030 .207 .147 .005011 .173 .114 .010020 .183 .097 .005010 .187 .106 .015040 .193 .123 .015030 .200 .105 .010025 .208 .099 .010025 .173 .117 .005025 .183 .105 .005010 .187 .108 .005010 .183 .133 .005010 .200 .116 .010025 .208 .099 .010025 .174 .004 .020030 .183 .105 .005010 .187 .115 .015032 .193 .133 .005010 .200 .116 .010020 .208 .127 .015025 .174 .004 .020030 .183 .106 .010020 .187 .116 .010020 .193 .162 .010012 .200 .124 .020036 .208 .128 .04005 .174 .093 .040060 .183 .118 .015035 .187 .124 .020030 .194 .065 .020030 .200 .125 .005010 .208 .129 .005010 .174 .093 .040060 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .126 .020036 .208 .130 .005010 .174 .095 .020032 .183 .131 .015025 .187 .125 .005010 .195 .032 .005010 .200 .128 .025040 .208 .155 .005010 .174 .095 .020032 .183 .131 .015025 .187 .125 .005010 .195 .032 .005010 .200 .153 .005010 .208 .155 .005010 .174 .095 .025 .040 .183 .141 .005025 .187 .125 .005010 .195 .076 .015030 .200 .153 .005010 .208 .155 .005010 .																		
1.73 1.00 .010 .020 .183 .096 .010 .020 .187 .100 .005 .010 .193 .103 .101 .005 .200 .101 .005 .040 .207 .144 .010 .025 .031 .173 .104 .016 .025 .183 .097 .005 .010 .187 .106 .015 .040 .193 .123 .015 .030 .200 .101 .025 .035 .208 .099 .010 .020 .133 .114 .010 .020 .183 .101 .020 .036 .187 .108 .005 .010 .193 .133 .005 .010 .200 .110 .025 .035 .208 .120 .005 .061 .173 .114 .010 .020 .036 .183 .105 .005 .010 .187 .115 .015 .032 .193 .133 .005 .010 .200 .116 .010 .020 .035 .208 .127 .015 .025 .016 .035 .174 .077 .010 .020 .031 .183 .106 .010 .020 .187 .116 .010 .020 .193 .162 .010 .012 .200 .124 .022 .036 .208 .127 .015 .025 .174 .077 .010 .020 .183 .118 .015 .030 .187 .122 .005 .010 .194 .065 .020 .030 .200 .125 .005 .010 .208 .129 .020 .030 .174 .093 .040 .060 .183 .120 .005 .010 .187 .126 .005 .010 .194 .066 .020 .030 .200 .128 .025 .040 .208 .129 .020 .031 .174 .097 .025 .040 .183 .132 .005 .010 .187 .126 .005 .010 .195 .032 .005 .010 .200 .128 .025 .040 .208 .125 .005 .011 .174 .174 .106 .005 .010 .183 .141 .005 .020 .187 .126 .005 .010 .195 .032 .005 .010 .200 .143 .015 .030 .208 .163 .010 .011 .016 .020 .030 .208 .155 .005 .010 .175 .056 .005 .010 .187 .128 .005 .010 .195 .076 .015 .030 .200 .153 .005 .010 .208 .163 .010 .011 .011 .020 .030																		
1.73 1.02 0.10 - 0.20 1.83 0.96 0.20 - 0.30 1.87 1.04 0.32 - 0.42 1.93 1.11 0.05 - 0.10 2.00 1.02 0.05 - 0.30 2.07 1.47 0.05 - 0.10 1.73 1.14 0.10 - 0.22 1.83 1.01 0.20 0.36 1.87 1.06 0.15 - 0.40 1.93 1.23 0.15 - 0.30 2.00 1.10 0.05 - 0.35 2.08 0.99 0.10 - 0.20 1.73 1.14 0.10 - 0.20 1.83 1.01 0.20 0.36 1.87 1.15 0.15 - 0.30 1.93 1.33 0.05 - 0.10 2.00 1.16 0.10 - 0.20 2.08 1.22 0.05 - 0.01 1.73 1.17 0.05 - 0.25 1.83 1.05 0.05 - 0.10 1.87 1.15 0.15 - 0.32 1.93 1.33 0.05 - 0.10 2.00 1.16 0.10 - 0.20 2.08 1.27 0.15 - 0.30 1.74 0.74 0.77 0.10 - 0.20 1.83 1.18 0.15 - 0.30 1.87 1.16 0.10 - 0.20 1.93 1.62 0.10 - 0.12 2.00 1.24 0.20 - 0.36 2.08 1.28 0.40 - 0.5 1.74 0.93 0.40 - 0.60 1.83 1.20 0.05 - 0.10 1.87 1.12 0.05 - 0.10 1.94 0.65 0.20 - 0.30 2.00 1.25 0.05 - 0.10 2.08 1.29 0.20 - 0.30 1.14 0.94 0.95 0.20 - 0.30 1.25 0.05 - 0.10 0.20 1.25 0.05 - 0.10 1.20 0.20 1.20 1.20 0.20 1.25 0.20 0.36 2.08 1.28 0.40 - 0.5 0.20 1.20 0.20 1.25 0.20 0.																		.010020
173 1.04 .016025 .183 .097 .005010 .187 .106 .015040 .193 .123 .015030 .200 .105 .010 .025 .208 .099 .010025 .173 .114 .010020 .183 .101 .020036 .187 .108 .005010 .193 .130 .005010 .200 .116 .010025 .208 .120 .005016 .175 .175 .017 .005025 .183 .105 .005010 .187 .115 .015032 .193 .133 .005010 .200 .116 .010020 .208 .127 .015032 .131 .015032 .133 .005010 .200 .126 .020036 .208 .128 .04005 .174 .077 .010020 .183 .118 .015030 .187 .122 .005010 .194 .065 .020030 .200 .126 .020036 .208 .129 .020036 .174 .093 .040060 .183 .131 .015025 .187 .124 .020030 .194 .066 .040060 .200 .126 .020036 .208 .130 .005011 .174 .095 .025040 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .126 .025040 .208 .147 .00501 .174 .096 .005010 .183 .131 .015025 .187 .125 .005010 .195 .032 .005010 .200 .143 .015030 .208 .155 .005010 .174 .106 .005010 .183 .141 .005025 .187 .127 .010020 .195 .075 .020030 .200 .153 .005010 .208 .163 .005010 .174 .175 .056 .005025 .184 .062 .010020 .187 .128 .005010 .195 .075 .020030 .200 .160 .020030 .209 .078 .005010 .175 .056 .005010 .184 .086 .015030 .188 .031 .005010 .195 .076 .015030 .038 .005010 .209 .078 .005010 .175 .090 .005030 .185 .075 .020030 .188 .031 .005010 .195 .020030 .200 .160 .020030 .209 .114 .00501 .175 .092 .005030 .185 .076 .025040 .188 .031 .005010 .195 .005010																		.005010
.173 .117 .005025 .183 .105 .005010 .187 .115 .015032 .193 .133 .005010 .200 .116 .010020 .208 .127 .01502 .174 .044 .020030 .183 .106 .010020 .187 .116 .010020 .193 .162 .010012 .200 .124 .020036 .208 .128 .04005 .174 .077 .010020 .183 .118 .015030 .187 .112 .005010 .040060 .200 .126 .005010 .200 .016 .020036 .208 .129 .020030 .040060 .020036 .208 .129 .020030 .040060 .020036 .028 .130 .005010 .014 .068 .040060 .200 .126 .025040 .208 .143 .005010 .144 .094 .005010 .200 .128 .025040 .208 .143 .005011 .144 .097 .025040 .183 .143			.016025	.183	.097		.187	.106			.123	.015030			.010025	.208		.010020
1.774 .044 .020030 .183 .106 .010020 .187 .116 .010020 .193 .162 .010012 .200 .124 .020036 .208 .128 .040055 .174 .077 .010020 .183 .118 .015030 .187 .122 .005010 .194 .065 .020030 .200 .125 .005010 .208 .129 .020033 .174 .093 .040060 .183 .120 .005010 .187 .124 .020030 .194 .068 .040060 .200 .126 .020036 .208 .129 .020033 .174 .095 .020032 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .126 .025040 .208 .147 .005010 .174 .097 .025040 .183 .131 .015025 .187 .125 .005010 .195 .032 .005010 .200 .143 .015030 .208 .147 .005011 .174 .106 .005010 .183 .141 .005020 .187 .127 .010020 .195 .075 .020030 .200 .153 .005010 .208 .163 .010011 .174 .137 .010020 .183 .143 .008012 .187 .128 .005010 .195 .076 .015030 .200 .163 .005010 .209 .078 .005010 .177 .015030 .208 .148 .086 .015030 .187 .135 .005010 .195 .078 .005036 .200 .163 .005010 .209 .015030 .175 .036																		.005060
.174 .077 .010020 .183 .118 .015030 .187 .122 .005010 .194 .065 .020030 .200 .125 .005010 .208 .129 .02003 .174 .093 .040060 .080 .183 .120 .005010 .187 .125 .005010 .194 .088 .040060 .200 .126 .020036 .208 .130 .00501 .174 .095 .020032 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .128 .025040 .208 .147 .005010 .187 .127 .010020 .195 .075 .020030 .200 .143 .015030 .208 .155 .00501 .174 .106 .005010 .195 .075 .020030 .200 .153 .005010 .208 .163 .010020 .208 .163 .010020																		.015025
.174 .093 .040060 .183 .120 .005010 .187 .124 .020030 .194 .068 .040060 .200 .126 .020036 .208 .130 .00501 .174 .095 .020032 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .128 .025040 .208 .147 .00501 .174 .097 .025040 .183 .132 .005010 .187 .126 .005010 .195 .032 .005010 .200 .143 .015030 .208 .155 .005011 .174 .106 .005010 .183 .141 .005020 .187 .127 .010020 .195 .075 .020030 .200 .163 .005010 .005 .010020 .195 .076 .015030 .163 .005010 .208 .005010 .209 .005010 .005																		.040050
.174 .095 .020032 .183 .131 .015025 .187 .125 .005010 .194 .094 .005010 .200 .128 .025040 .208 .147 .00501 .174 .097 .025040 .183 .132 .005010 .187 .126 .005010 .195 .032 .005010 .200 .143 .015030 .208 .155 .00501 .174 .106 .005010 .183 .141 .005020 .187 .128 .005010 .195 .075 .020030 .200 .153 .005010 .208 .163 .01001 .175 .056 .005025 .184 .062 .010020 .187 .129 .005010 .195 .078 .005008 .200 .163 .005010 .209 .01503 .175 .077 .005010 .184 .065 .005010 .187 .129 .005010 .1																		
.174																		
.174 .106 .005010 .183 .141 .005020 .187 .127 .010020 .195 .075 .020030 .200 .153 .005010 .208 .163 .01001 .174 .137 .010020 .183 .143 .008012 .187 .128 .005010 .195 .076 .015030 .200 .160 .020030 .209 .078 .00501 .175 .056 .005025 .184 .062 .010020 .187 .129 .005010 .195 .078 .005008 .200 .163 .005010 .209 .090 .01503 .175 .077 .005010 .184 .086 .015030 .188 .030 .020032 .195 .100 .020035 .201 .138 .005010 .195 .099 .030030 .103 .005010 .195 .009 .030031 .005010 .195 .000 .020035																		
.174 .137 .010020 .183 .143 .008012 .187 .128 .005010 .195 .076 .015030 .200 .160 .020030 .209 .078 .005011 .175 .056 .005025 .184 .062 .010020 .187 .129 .005012 .195 .078 .005008 .200 .163 .005010 .209 .090 .015033 .175 .077 .005010 .184 .065 .005010 .187 .135 .005010 .195 .099 .030050 .200 .177 .010020 .209 .114 .00501 .175 .089 .015030 .184 .086 .015030 .188 .031 .005010 .195 .100 .020035 .201 .038 .005010 .209 .116 .02504 .175 .090 .005030 .185 .075 .020030 .188 .031 .005 -																		.010015
.175 .056 .005025 .184 .062 .010020 .187 .129 .005012 .195 .078 .005008 .200 .163 .005010 .209 .090 .01503 .175 .077 .005010 .184 .065 .005010 .187 .135 .005010 .195 .099 .030050 .200 .177 .010020 .209 .114 .005010 .175 .089 .015030 .184 .086 .015030 .188 .031 .005010 .195 .100 .020035 .201 .038 .005010 .209 .116 .02504 .175 .090 .005030 .185 .070 .025050 .188 .031 .005010 .195 .102 .020040 .201 .067 .010020 .209 .117 .005010 .195 .102 .020040 .201 .067 .010020 .209 .117 .005010 <																		.005010
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.175 .092 .005030 .185 .075 .020030 .188 .046 .005010 .195 .108 .015030 .201 .073 .005010 .209 .128 .01503 .175 .099 .005010 .185 .076 .025040 .188 .054 .030050 .195 .126 .005020 .201 .078 .005010 .209 .143 .01202 .175 .102 .020030 .185 .078 .015030 .188 .060 .020040 .195 .128 .005030 .201 .082 .020040 .209 .146 .01502 .175 .104 .005010 .185 .080 .005010 .188 .061 .025040 .195 .145 .015040 .201 .083 .020030 .188 .063 .010015 .196 .050 .010020 .201 .086 .005010 .102 .00501 .010020																		.025040
.175 .099 .005010 .185 .076 .025040 .188 .054 .030050 .195 .126 .005020 .201 .078 .005010 .209 .143 .01202 .175 .102 .020030 .185 .078 .015030 .188 .060 .020040 .195 .128 .005030 .201 .082 .020040 .209 .146 .01502 .175 .104 .005010 .185 .080 .005010 .188 .061 .025040 .195 .145 .015040 .201 .083 .020030 .209 .151 .005010 .175 .121 .010020 .185 .083 .015030 .188 .063 .010015 .196 .050 .010020 .201 .086 .005010 .210 .102 .005011 .175 .123 .030040 .185 .086 .008020 .188 .071 .005015 .196 .055 .025040 .201 .096 .020040 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>.005010</td></t<>																		.005010
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.175 .104 .005010 .185 .080 .005010 .188 .061 .025040 .195 .145 .015040 .201 .083 .020030 .209 .151 .005010 .175 .121 .010020 .185 .083 .015030 .188 .063 .010015 .196 .050 .010020 .201 .086 .005010 .210 .102 .00501 .175 .123 .030040 .185 .086 .008020 .188 .071 .005015 .196 .055 .025040 .201 .096 .020040 .210 .128 .005011 .175 .124 .025030 .185 .089 .015030 .188 .075 .030050 .196 .075 .010020 .201 .115 .015025 .210 .155 .01002																		
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Declaration Color									BUKER	2 ME	IAL	WASHER	O AITE	LA	AILD I		LUL	BURKED
140 140	O.D.	I.D.		O.D.	I.D.		O.D.	I.D.	Thickness*									
141 164			From To			From To			From To	-		From To			From To			From To
211 688																		
211 104 005																		
211 104																		
211 111 101 002 003 014 076 005 002 22 120 000 003 231 170 005 003 005 003 005 004 005																		
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211 112 005 010 218 005 010 020 221 140 010 010 231 140 010 010 010 241 140 010																		
141 192																		
211 132 135 136																		
211 143 143 145																		
211 142 025 035 218 100 026 032 223 100 025 026 036 231 173 035 030 037 70 106 040 030 034 144 192 056 030 031																		
211 1.88																		
141 161																		.005010
141 163																		
1212 138	.211	.163	.020032	.218	.116	.005020	.223	.127	.025042	.232	.120	.015025	.237	.127	.005030	.244	.205	.010020
212 128 108 115 - 108 128 108 108 - 108 228 139 101 - 108 232 139 101 - 108 237 1162 108 - 101 245 107 205 - 108 245 107 205 - 108 245 107 205 - 108 245 107 205 - 108 245 107 205 - 108 245 107 205 - 108 245 107 205 - 108 245 107 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 108 205 - 101 245 207 205 - 101 205 205 - 101 245 207 205 - 101 205 205 - 101 205 205 - 101 205 205 - 101 205 205 - 101 205 205 205 - 101 205 205 205 - 101 205 205 205 - 101 205	.211	.167	.005010	.218	.119	.005008	.223	.130	.005010	.232	.133	.005010	.237	.130	.005020	.245	.032	.010015
1212 1210	.212	.084	.005010	.218	.127	.005010	.223	.132	.025035	.232	.134	.010020	.237	.148	.030050	.245	.045	.005010
1212 1214 1056 - 1010 218 137	.212	.093	.015030	.218		.005020		.135	.010020		.136			.157	.025036	.245	.055	.005010
212 131																		
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215 216 216 217 218 218 218 218 218 219 218 218 218 218 218 228																		
243 046 0.05012 249 0.07																		
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213 100 005 - 010 219 103 010 - 020 225 111 015 - 030 233 147 005 - 010 228 146 005 - 010 246 049 010 - 020 225 213 110 010 - 030 233 155 005 - 010 238 181 005 - 010 246 126 025 - 030 246 122 025 - 040 221 130 005 - 010 028 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 224 130 010 - 030 234 130 010 - 030 239 044 005 - 010 024 030 030 030 030 030 030 030 030 - 030 030 - 030 030 - 030 030 030 - 030 030 030 - 030 030																		
213 100 005 - 010 219 103 010 - 020 225 101 015 - 030 233 153 010 - 105 238 178 005 - 010 246 129 225 - 020 221 110 010 - 020 229 014 020 - 030 246 129 025 - 030 221 131 131 131 131 132 - 030 221 126 101 - 030 225 225 131 035 - 030 233 133 130 101 - 020 239 088 008 - 016 246 131 005 - 010 231 131 131 132 - 030 221 132 035 - 030 233 133 130 030 - 030 239 038 005 - 010 239 131 032 - 030 240 132 035 - 030 231 131 032 - 030 240 132 035 - 030 241 132 035 - 030 231 131 032 - 030 241 132 035 - 030 241 132																		
213 1108 0.05 - 0.01 219 110 0.05 - 0.02 225 111 0.15 - 0.03 233 163 0.10 - 0.015 238 181 0.02 - 0.03 246 122 0.25 - 0.04 225 133 0.05 - 0.010 0.020 233 0.04 0.05 - 0.010 230 0.05 - 0.010 246 128 0.05 - 0.010 213 134 0.05 - 0.010 0.00 0.00 225 125 0.05 - 0.03 233 170 0.05 - 0.010 239 0.04 0.05 - 0.010 246 1.34 0.05 - 0.010 213 136 0.05 - 0.010 225 125 0.05 - 0.05 233 173 0.05 - 0.010 239 0.04 0.05 - 0.010 246 1.34 0.05 - 0.010 213 142 0.05 - 0.010 225 135 0.05 - 0.010 223 137 0.05 - 0.010 239 141 0.05 - 0.03 246 1.34 0.05 - 0.010 231 142 0.05 - 0.010 225 135 0.05 - 0.010 230 0.05 - 0.010 239 141 0.05 - 0.03 246 1.34 0.05 - 0.010 231 142 0.05 - 0.010 230 145 0.05 - 0.010 230 141 0.05 - 0.03 234 0.05 0.010 239 141 0.05 - 0.03 246 1.34 0.05 - 0.010 232 134 0.05 - 0.010 230 130 0.05 - 0.010 230 141 0.05 - 0.03 234 0.05 0.010 239 141 0.05 - 0.03 246 1.34 0.05 - 0.010 234 128 0.05 - 0.010 239 141 0.05 - 0.03 246 1.34 0.05 - 0.03 234 0.05 0.010 239 141 0.05 - 0.03 246 1.34 0.05 - 0.03 234 0.05 0.010 230 0.05 0.05 0.05 0.05 0.05 0.010 230 0.05																		
213 130 010 202 219 124 020 040 025 113 005 010 233 167 010 020 239 088 008 008 016 246 128 005 010 213 134 005 010 021 019 127 030 040 025 128 015 030 030 030 030 030 030 040 035 030 046 134 005 010 031 131 131 005 010 030 030 030 030 030 030 046 142 035 030 030 030 030 030 030 030 046 142 035 030 030 030 030 030 030 046 142 035 030 030 030 030 030 030 046 142 035 030 030 030 030 030 030 046 042 030 030 030 046 042 030 030 030 046 046 030 030 030 030 030 030 046 046 030 030 030 030 030 030 030 030 046 046 030																		
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213 164 005 - 010 219 127 039 040 225 129 030 - 050 233 173 005 - 010 239 131 032 - 050 264 134 005 - 010 231 142 015 - 030 246 170 005 - 010 239 142 015 - 030 246 170 005 - 010 231 142 015 - 030 246 170 005 - 010 231 142 015 - 030 246 170 005 - 010 241 060 005 - 010 239 142 015 - 030 246 170 005 - 010 241 060 005 - 010 239 142 015 - 030 246 170 005 - 010 241 060 005																		
241 682 0.00 - 0.00 2.19 1.19 0.00 - 0.01 0.25 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.42 0.05 - 0.01 2.29 1.65 0.05 - 0.01 2.25 1.42 0.05 - 0.01 2.24 0.05 - 0.02 2.29 1.61 0.05 - 0.01 2.25 1.61 0.05 - 0.01 2.24 1.25 0.05 - 0.01 2.24 1.25 0.05 - 0.01 2.29 1.63 0.05 - 0.01 2.25 0.05 0.05 2.25 0.05 0.	.213	.154	.005010		.127	.030040	.225	.129			.173		.239	.131		.246		.005010
244 0.65 0.05 - 0.07 219 147 0.05 - 0.07 0.25 0.44 0.05 - 0.08 0.24 0.06 0.02 - 0.08 2.99 161 0.05 - 0.05 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.07 0.05 0.05	.213	.160	.010025	.219	.129	.010015	.225	.135	.005015	.233	.191	.005010	.239	.141	.015030	.246	.142	.015030
244 0.08 0.01 0.02 219 147 0.05 0.04 225 1.04 0.05 0.01 0.02 239 161 0.03 0.05 0.04 247 0.05 0.01 0.02 241 0.05 0.05 0.01 0.02 0.05 0	.213	.162	.020030	.219	.130	.015030	.225	.142	.005015	.234	.039	.005010	.239	.142	.015030	.246	.170	.005010
244 0.089 0.010 0.020 219 156 0.010 0.020 225 1.59 0.005 0.010 234 1.21 0.005 0.020 239 1.81 0.005 0.010 247 0.081 0.030 0.030 241 1.010 0.015 0.025 219 1.71 0.005 0.010 226 0.051 0.005 0.010 234 1.28 0.015 0.030 239 1.81 0.005 0.010 247 0.080 0.010 0.040 0.040 0.020 0.030 241 1.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.010 240 0.020 0.050 0.020	.214	.050	.005010	.219	.142	.005010	.225	.144	.015030	.234	.066	.042062	.239	.148	.005010	.246	.181	.005030
244 .098 .010 .020 .219 .111 .005 .015 .225 .164 .005 .010 .234 .126 .015 .025 .239 .181 .005 .010 .247 .080 .030 .030 .030 .241 .126 .005 .030 .239 .190 .005 .010 .247 .080 .030 .	.214	.062	.015030			.025040		.147	.025040		.096	.042060		.161	.030050	.246	.197	.015025
244 1.00 0.15 0.25 219 171 0.05 0.10 226 0.05 0.05 0.01 224 128 0.15 0.03 239 190 0.05 0.015 247 0.98 0.10 0.02 0.24 128 0.05 0.																		
214 1.09 0.02 0.030 219 1.73 0.05 0.10 226 0.98 0.05 0.010 224 1.129 0.05 0.010 240 0.024 0.090 0.020 0.030 0.241 1.136 0.010 0.020 0.020 0.05 0.010 0.05 0.010 0.05 0.010 0.05 0.010 0.05 0.010 0.05 0.010 0.020 0.05 0.010 0.020 0.05 0.010 0.020 0.05 0.010 0.020 0.020 0.05 0.010 0.020 0.020 0.05 0.010 0.020 0.020 0.05 0.010 0.020 0.																		
124 126 0.05 - 0.10 220 0.04 0.05 - 0.020 226 0.098 0.15 - 0.050 224 1.135 0.005 - 0.20 2.40 0.072 0.05 - 0.10 2.47 0.91 0.03 - 0.050 2.14 1.66 0.05 - 0.10 2.20 0.63 0.10 - 0.20 2.26 1.14 0.25 - 0.04 0.24 1.18 0.10 - 0.20 2.40 1.02 0.10 - 0.02 2.47 0.97 0.05 - 0.20 2.14 1.66 0.05 - 0.10 2.20 0.68 0.01 - 0.20 2.26 1.12 0.05 - 0.01 0.24 1.14 0.05 - 0.04 2.34 1.13 0.05 - 0.01 2.40 1.05 0.10 - 0.02 2.47 0.97 0.05 - 0.20 2.14 1.18 0.05 - 0.01 2.14 1.18 0.05 - 0.01 0.25 0.05 0.05 0.00 2.26 1.12 0.05 - 0.01 0.24 1.12 0.05 - 0.01 0.24 1.12 0.05 - 0.01 0.25 0.04 0.05 0.01 0.25 0.04 0.05 0.01 0.25 0.05 0.01 0.25 0.05 0.05 0.01 0.25 0.05 0.05 0.01 0.25 0.05 0.05 0.01 0.25 0.05 0.05 0.01 0.25 0.05 0.05 0.01 0.25 0.05 0.05 0.01 0.25 0.05																		
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214 166 005 - 010 220 063 010 - 020 228 114 025 - 040 224 138 010 - 020 240 102 010 - 020 247 100 005 - 020 024 148 010 - 015 025 - 040 247 130 005 - 020 248 148 010 - 020 247 105 010 - 020 247 130 005 - 020 248 148 010 - 020 240 108 025 - 040 247 118 005 - 020 245 034 010 - 030 240 010 020 247 025 040 025																		
214 169 010 - 015 220 065 020 - 032 226 129 005 - 030 224 140 005 - 010 240 105 010 - 020 247 100 005 - 010 247 100 005 - 010 247 100 005 - 010 248 140 005 - 010 240 108 025 - 040 247 118 005 - 040 247 138 005 - 010 245 136 005 - 010 234 142 2010 - 020 240 109 005 - 010 247 119 025 - 040 247 119 025 - 040 247 139 005 - 010 247 139 005 - 010 247 139 025 - 040 248 048																		
214 180 0.005 - 0.010 220 0.69 0.005 - 0.010 226 1.75 0.005 - 0.010 234 1.42 0.035 - 0.05 240 1.018 0.025 - 0.040 247 1.118 0.055 - 0.020 2.15 0.063 0.005 - 0.010 220 0.090 0.005 - 0.010 227 0.50 0.010 - 0.20 2.35 0.048 0.05 - 0.010 2.40 1.125 0.025 - 0.060 2.47 1.125 0.010 - 0.032 2.15 0.088 0.010 - 0.015 2.20 0.991 0.005 - 0.010 2.27 1.27 0.055 - 0.010 2.35 0.088 0.010 - 0.015 2.005 - 0.010 2.47 1.125 0.010 - 0.032 2.15 0.088 0.010 - 0.015 2.20 0.991 0.005 - 0.010 2.27 1.53 0.020 - 0.032 2.35 0.088 0.020 - 0.030 2.40 1.135 0.005 - 0.010 2.47 1.127 0.025 - 0.42 2.15 0.990 0.042 - 0.052 2.20 1.068 0.010 - 0.020 2.288 0.991 0.055 - 0.010 2.35 0.998 0.020 - 0.030 2.40 1.355 0.005 - 0.010 2.47 1.328 0.025 0.042 2.155 0.091 0.010 - 0.052 2.201 0.088 0.010 - 0.020 2.288 0.091 0.055 - 0.010 2.355 0.098 0.020 - 0.030 2.40 1.399 0.005 - 0.010 2.47 1.388 0.055 - 0.010 2.281 0.010 - 0.020 2.285 0.010 0.055 - 0.010 2.285 0.010 0.055 - 0.010 2.285 0.010 0.055 - 0.010 2.285 0.010 0.055 - 0.010 0.055																		
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215 088 0.010 - 0.05 220 0.09 0.05 - 0.04 227 1.27 0.05 - 0.01 2.25 0.68 0.02 - 0.30 2.40 1.31 0.05 - 0.01 0.247 1.26 0.23 - 0.32 2.25 0.88 0.02 - 0.30 2.40 1.35 0.05 - 0.01 2.47 1.26 0.23 - 0.32 2.25 0.88 0.20 - 0.30 2.40 1.35 0.05 - 0.01 2.47 1.32 0.20 - 0.30 2.41 1.30 0.05 - 0.01 2.47 1.32 0.20 - 0.30 2.41 1.30 0.05 - 0.01 2.47 1.32 0.20 - 0.30 2.41 1.30 0.05 - 0.01 2.47 1.32 0.20 - 0.30 2.45 1.30 0.05 - 0.01 2.47 1.32 0.20 - 0.30 2.45 1.30 0.05 - 0.01 2.47 1.32 0.20 - 0.30 2.45 1.30 0.05 - 0.01 2.47 1.40 0.05 - 0.01 2.45 1.40 0.05 - 0.01 2.45 1.40 0.05 - 0.01 2.47 1.40 0.05 - 0.01 2.45 1.40 0.05 - 0.01 2.47 1.40 0.05 - 0.01 2.45 1.40 0.05 - 0.01 2.47 1.40 0.05 - 0.01 2.45 1.40 0.05 - 0.05 0.05 0.01 2.47 1.40 0.05 - 0.05 0.																		
215 0.99	.215	.073	.030040	.220	.091	.005040	.227	.127	.005010	.235	.068	.010050	.240	.131	.005010	.247	.126	.023032
215 0.01 0.10025 220 1.08 0.10020 228 0.094 0.05010 2.35 0.099 0.05010 2.40 1.51 0.05010 2.47 1.38 0.05010 2.15 1.04 0.10020 2.20 1.13 0.03048 2.28 1.06 0.02 - 0.035 2.35 1.02 0.015030 2.40 1.60 0.015040 2.47 1.41 0.05010 2.25 1.06 0.05010 2.40 1.60 0.015040 2.47 1.41 0.05010 2.25 1.06 0.05010 2.47 1.41 0.05010 2.25 1.08 0.05010 2.47 1.44 0.05010 2.25 1.14 0.10020 2.28 1.18 0.10060 2.35 1.08 0.30050 2.40 1.68 0.05010 2.47 1.44 0.05010 2.15 1.12 0.20040 2.20 1.17 0.25042 2.28 1.12 0.10050 2.35 1.08 0.30050 2.40 1.68 0.05010 2.47 1.44 0.05010 2.15 1.12 0.05035 2.20 1.12 0.25040 2.28 1.12 0.10030 2.35 1.12 0.030050 2.41 1.19 0.05010 2.47 1.47 0.05010 2.15 1.27 0.05012 2.20 1.25 0.20030 2.28 1.31 0.15030 2.35 1.30 0.15030 2.41 1.18 0.05010 2.47 1.58 0.30040 2.15 1.37 0.10015 2.20 1.27 0.25048 2.28 1.48 0.05010 2.35 1.31 0.05040 2.41 1.48 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 1.38 0.05010 2.47 1.58 0.30040 2.41 2.35 0.35 0.3	.215	.088	.010015	.220	.099	.005010	.227	.153	.020032	.235	.086	.020030	.240	.135	.005030	.247	.127	.025042
215 1.00 0.10050 220 1.09 .005010 228 .096 .010020 225 .099 .005010 .240 .161 .005010 .247 .140 .005010 .215 .106 .005015 .220 .114 .010020 .228 .118 .010050 .225 .108 .030050 .240 .188 .005010 .247 .144 .005010 .215 .112 .020040 .220 .114 .010020 .228 .121 .010020 .235 .108 .030050 .240 .188 .005010 .247 .144 .005010 .215 .123 .015035 .220 .122 .025040 .228 .121 .010020 .235 .114 .010030 .241 .103 .005010 .247 .144 .005010 .215 .123 .015035 .220 .125 .020030 .228 .121 .020030 .235 .130 .015030 .050 .241 .118 .015030 .247 .158 .030040 .215 .137 .010015 .220 .125 .020030 .228 .131 .015030 .235 .130 .015030 .241 .128 .015030 .247 .158 .030040 .215 .138 .020030 .220 .128 .005050 .228 .167 .005010 .235 .131 .025040 .241 .148 .005010 .247 .159 .010020 .215 .144 .030050 .220 .128 .005050 .229 .169 .015010 .235 .134 .020035 .241 .162 .005010 .247 .164 .005010 .225 .138 .015030 .220 .129 .020035 .229 .096 .010025 .235 .138 .015025 .241 .180 .005010 .247 .169 .005010 .220 .247 .247 .248 .052 .030 .228 .235 .235 .235 .235 .235 .235 .235 .235 .242	.215	.090	.042062	.220	.106	.005015	.228	.051	.020030	.235	.088	.020030	.240	.136	.005010	.247	.132	.020030
215 1.04 0.10 - 0.20 220 1.13 0.32 - 0.48 228 1.16 0.20 - 0.35 235 1.02 0.15 - 0.30 2.40 1.60 0.15 - 0.40 2.47 1.14 0.20 - 0.32 2.15 1.16 0.05 - 0.10 0.247 1.14 0.05 - 0.10 0.25 1.12 0.20 - 0.40 2.20 1.17 0.25 - 0.42 2.28 1.18 0.10 - 0.50 2.35 1.14 0.10 - 0.30 2.41 1.13 0.05 - 0.10 2.47 1.44 0.05 - 0.10 0.25 1.25 1.25 1.23 0.15 - 0.35 2.20 1.12 0.25 - 0.44 2.28 1.21 0.10 - 0.20 2.35 1.14 0.10 - 0.30 2.41 1.19 0.20 - 0.35 2.47 1.50 0.10 - 0.20 2.15 1.27 0.05 - 0.12 2.20 1.25 0.20 - 0.30 2.28 1.31 0.15 - 0.30 2.35 1.30 0.15 - 0.30 2.41 1.18 0.05 - 0.10 2.47 1.58 0.30 - 0.40 0.25 1.37 0.10 - 0.15 2.20 1.27 0.25 - 0.48 2.28 1.34 0.05 - 0.10 2.35 1.31 0.25 - 0.44 2.41 1.48 0.05 - 0.10 2.47 1.58 0.30 - 0.40 0.25 1.38 0.20 - 0.30 0.20 1.28 0.05 - 0.05 0.22 1.28 0.05 - 0.05 0.22 0.05 0.05 0.10 2.35 1.34 0.20 - 0.35 2.41 1.14 0.05 - 0.10 2.47 1.14 0.05 - 0.10 0.25 0.14 0.05 - 0.10 0.25 0.15 0.14 0.05 - 0.10 0.25 0.15 0.14 0.05 - 0.10 0.25 0.15 0.15 0.25 0.25 0.15 0.15 0.25 0.15 0.15 0.25 0.15 0.15 0.25 0.15 0.15 0.25 0.15 0.15 0.25 0.25 0.15 0.15 0.25 0.25 0.15 0.15 0.25 0.25 0.15 0.25 0.25 0.15 0.25 0.25 0.15 0.25 0.25 0.15 0.25 0.25 0.15 0.25 0.25 0.15 0.25 0.25 0.15 0.2																		
2.15 .106 .005015 .220 .114 .010020 .228 .118 .010050 .235 .108 .030050 .240 .188 .005010 .247 .144 .005010 .215 .112 .020040 .226 .117 .025040 .228 .129 .020030 .235 .126 .030050 .241 .119 .020035 .247 .150 .010020 .225 .127 .025040 .228 .129 .020030 .235 .126 .030050 .241 .119 .020035 .247 .150 .010020 .225 .127 .025040 .228 .129 .020030 .235 .126 .030050 .241 .118 .015030 .247 .158 .030040 .215 .137 .010015 .220 .127 .025048 .228 .148 .005010 .235 .131 .025040 .241 .148 .005010 .247 .159 .010020 .225 .138 .020030 .220 .128 .005050 .228 .167 .005010 .235 .134 .020035 .241 .162 .005010 .247 .169 .020030 .215 .138 .020030 .220 .129 .020035 .229 .096 .010020 .235 .138 .015025 .241 .180 .005010 .247 .169 .020030 .215 .162 .005010 .220 .140 .010020 .229 .149 .005010 .235 .138 .015025 .241 .180 .005010 .247 .169 .020030 .215 .164 .005010 .220 .144 .025035 .229 .149 .005010 .235 .139 .025040 .242 .072 .005010 .247 .185 .005010 .247 .185 .005010 .247 .185 .005010 .247 .185 .005010 .247 .185 .005010 .247 .185 .005010 .240 .185																		
2.15 .112 .020040 .220 .117 .025042 .228 .121 .010020 .235 .114 .010030 .241 .103 .005010 .247 .147 .005010 .215 .127 .005012 .220 .125 .020030 .228 .131 .015030 .235 .126 .030050 .241 .119 .020035 .247 .158 .030040 .215 .137 .010015 .220 .127 .025048 .228 .148 .005010 .235 .131 .025040 .241 .148 .005010 .247 .159 .010020 .215 .138 .020030 .220 .128 .005050 .228 .167 .005010 .235 .131 .025040 .241 .148 .005010 .247 .159 .010020 .215 .138 .020030 .220 .128 .005050 .228 .167 .005010 .235 .131 .025040 .241 .148 .005010 .247 .169 .005 .010 .247 .169 .005 .010 .240 .166 .005010 .225 .156 .010020 .242 .118 .010020 .247 .205 .005 .010 .215 .166 .010020 .220 .159 .005010 .230 .038 .020030 .235 .161 .005010 .242 .118 .010020 .247 .205 .005 .010 .220 .166 .015020 .230 .073 .015030 .235 .161 .005010 .242 .118 .010025 .248 .005 .010 .220 .226 .226 .226 .226																		
2.15 1.23 .015 .035 .220 .122 .025 .040 .228 .129 .020 .030 .235 .126 .030 .050 .241 .119 .020 .035 .247 .150 .010 .020 .215 .127 .005 .010 .225 .137 .010 .015 .220 .127 .025 .040 .241 .138 .015 .030 .247 .158 .030 .040 .241 .138 .015 .030 .247 .158 .030 .040 .245 .131 .025 .040 .241 .148 .005 .010 .247 .158 .030 .040 .245 .131 .025 .040 .241 .148 .005 .010 .247 .158 .030 .040 .245 .158 .040 .241 .148 .005 .010 .247 .158 .030 .040 .245 .158 .040 .241 .148 .005 .010 .247 .158 .030 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .040 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .158 .045 .241 .258 .241 .158 .045 .242 .241																		
2.15 1.27 0.05 - 0.12 2.20 1.25 0.20 - 0.30 2.28 1.31 0.15 - 0.30 2.35 1.30 0.15 - 0.30 2.41 1.28 0.15 - 0.30 2.47 1.58 0.30 - 0.40 2.15 1.37 0.10 - 0.15 2.20 1.27 0.25 - 0.48 2.28 1.48 0.05 - 0.10 2.35 1.31 0.25 - 0.40 2.41 1.48 0.05 - 0.10 2.47 1.59 0.10 - 0.20 2.25 1.38 0.20 - 0.30 2.20 1.28 0.05 - 0.50 2.28 1.67 0.05 - 0.10 2.35 1.34 0.20 - 0.35 2.41 1.62 0.05 - 0.10 2.47 1.64 0.05 - 0.10 2.21 1.64 0.05 - 0.10 2.20 1.29 0.20 - 0.35 2.29 0.96 0.10 - 0.20 2.25 1.38 0.15 - 0.25 2.41 1.80 0.05 - 0.10 2.47 1.69 0.20 - 0.30 2.21 1.62 0.05 - 0.10 2.20 1.44 0.25 - 0.35 2.29 1.49 0.05 - 0.10 2.35 1.52 0.20 - 0.32 2.42 0.20 0.05 - 0.10 2.47 1.69 0.05 - 0.10 2.21 1.66 0.05 - 0.10 2.20 1.44 0.25 - 0.35 2.29 1.49 0.05 - 0.10 2.35 1.55 0.20 - 0.32 2.42 1.00 0.05 - 0.10 2.47 1.69 0.05 - 0.10 2.21 1.66 0.05 - 0.10 2.20 1.47 0.15 - 0.25 2.29 1.49 0.05 - 0.10 2.25 1.55 1.56 0.10 - 0.20 2.24 1.80 0.05 - 0.10 2.47 1.90 0.10 - 0.20 2.25 1.66 0.10 - 0.20 2.24 1.62 0.05 - 0.10 2.47 2.06 0.05 - 0.10 2.21 1.66 0.05 - 0.10 2.20 1.59 0.05 - 0.10 2.30 0.38 0.20 - 0.30 2.35 1.56 0.10 - 0.20 2.42 1.28 0.05 - 0.10 2.47 2.06 0.05 - 0.10 2.21 1.25																		
2.15 1.37 0.10 - 0.15 2.20 1.27 0.25 - 0.48 2.28 1.48 0.05 - 0.10 2.35 1.31 0.25 - 0.40 2.41 1.48 0.05 - 0.10 2.47 1.59 0.10 - 0.20 2.15 1.38 0.20 - 0.30 2.20 1.28 0.05 - 0.05 2.28 1.67 0.05 - 0.10 2.25 1.34 0.20 - 0.35 2.41 1.62 0.05 - 0.10 2.47 1.68 0.05 - 0.10 2.27 1.64 0.05 - 0.10 2.25 1.44 0.05 - 0.10 2.20 1.29 0.20 - 0.35 2.29 0.96 0.10 - 0.20 2.35 1.38 0.15 - 0.25 2.41 1.80 0.05 - 0.10 2.47 1.69 0.20 - 0.30 2.25 1.62 0.05 - 0.10 2.20 1.40 0.10 - 0.20 2.29 1.39 0.15 - 0.25 2.35 1.39 0.25 - 0.40 2.42 0.72 0.05 - 0.10 2.47 1.85 0.05 - 0.10 2.25 1.64 0.05 - 0.10 2.20 1.44 0.25 - 0.35 2.29 1.49 0.05 - 0.10 2.35 1.55 0.20 - 0.30 2.42 1.18 0.05 - 0.10 2.47 1.85 0.05 - 0.10 2.25 1.68 0.05 - 0.10 2.20 1.47 0.15 - 0.25 2.29 1.66 0.010 - 0.20 2.35 1.56 0.10 - 0.20 2.42 1.18 0.10 - 0.20 2.47 1.90 0.05 - 0.10 2.25 1.68 0.10 - 0.20 2.20 1.59 0.05 - 0.10 2.30 0.38 0.20 - 0.30 2.35 1.66 0.05 - 0.01 2.42 1.28 0.05 - 0.01 2.47 2.05 0.05 - 0.01 2.25 1.68 0.05 - 0.01 2.20 1.66 0.15 - 0.20 2.30 0.05 0.020 0.30 2.35 1.67 0.05 - 0.01 2.42 1.48 0.05 - 0.01 2.47 2.06 0.05 - 0.10 2.25 1.28 0.05 - 0.01 2.25 1.28 0.05 - 0.05 0.05																		
.215 .138 .020030 .220 .128 .005050 .228 .167 .005010 .235 .134 .020035 .241 .162 .005010 .247 .164 .005010 .215 .144 .030050 .220 .129 .020035 .229 .096 .010020 .235 .138 .015025 .241 .180 .005010 .247 .169 .005010 .215 .164 .005010 .220 .144 .025035 .229 .149 .005010 .235 .152 .020032 .242 .100 .005010 .247 .185 .005010 .215 .166 .005010 .220 .147 .015025 .229 .166 .010020 .235 .156 .010020 .242 .118 .010020 .247 .205 .005010 .215 .170 .005010 .220 .157 .055 .229 .166 .010020<																		
215 1.44 .030050 .220 .129 .020035 .229 .139 .015025 .235 .138 .015025 .241 .180 .005010 .247 .169 .020030 .215 .162 .005010 .220 .140 .010020 .229 .139 .015025 .235 .138 .025040 .242 .072 .005010 .247 .185 .005010 .215 .164 .005010 .220 .144 .025035 .229 .149 .005010 .235 .152 .020032 .242 .100 .005010 .247 .190 .010020 .215 .166 .005010 .220 .147 .015025 .229 .166 .010020 .235 .156 .010020 .242 .118 .010020 .247 .205 .005010 .215 .168 .010020 .220 .159 .005010 .230 .038 .020030 .235 .161 .005010 .242 .128 .005010 .247 .206 .005010 .216 .170 .005010 .220 .166 .015020 .230 .050 .020030 .235 .164 .010020 .242 .128 .005010 .247 .206 .005010 .216 .054 .055 .016 .054 .055 .016 .015020 .230 .073 .015030 .235 .167 .020036 .242 .145 .010015 .248 .063 .015025 .216 .055 .055 .005010 .220 .177 .015020 .230 .094 .042066 .235 .202 .005010 .242 .146 .005010 .248 .065 .015030 .216 .057 .020030 .221 .061 .050060 .230 .097 .010020 .236 .055 .020040 .242 .147 .010020 .248 .067 .015030 .216 .110 .010020 .221 .065 .005010 .230 .094 .045010 .236 .061 .005010 .242 .163 .025035 .248 .078 .015030 .216 .126 .005010 .221 .084 .020035 .230 .111 .010020 .236 .061 .005010 .242 .146 .005035 .248 .067 .015030 .216 .126 .126 .025010 .221 .084 .020035 .230 .111 .010020 .236 .061 .005010 .242 .146 .005040 .248 .080 .005010 .248 .																		
2.15 1.62 .005010 .220 .140 .010020 .229 .139 .015025 .235 .139 .025040 .242 .072 .005010 .247 .185 .005010 .215 .164 .005010 .220 .144 .025035 .229 .149 .005010 .235 .152 .020032 .242 .100 .005010 .247 .190 .010020 .221 .166 .005010 .220 .147 .015025 .229 .166 .010020 .235 .156 .010020 .242 .118 .010020 .247 .205 .005010 .215 .168 .010020 .220 .159 .005010 .230 .038 .020030 .235 .161 .005010 .242 .128 .005010 .247 .206 .005010 .215 .170 .005010 .220 .166 .015020 .230 .050 .020030 .235 .161 .005010 .242 .128 .005010 .247 .206 .005010 .245 .248 .052 .035050 .216 .054 .015022 .220 .177 .015020 .230 .073 .015030 .235 .164 .010020 .242 .129 .015025 .248 .065 .035050 .216 .055 .055 .005010 .220 .179 .005010 .230 .094 .042062 .235 .202 .005010 .242 .146 .005010 .248 .065 .015030 .216 .054																		
2.15 .164 .005010 .220 .144 .025035 .229 .149 .005010 .235 .152 .020032 .242 .100 .005010 .247 .190 .010020 .215 .166 .005010 .220 .147 .015025 .229 .166 .010020 .242 .118 .010020 .247 .205 .005010 .215 .168 .010020 .220 .159 .005010 .230 .038 .020030 .235 .161 .005010 .242 .128 .005010 .247 .206 .005010 .216 .055 .005010 .220 .166 .015020 .230 .050 .020030 .235 .164 .010020 .242 .145 .010021 .248 .052 .035050 .216 .055 .005010 .220 .177 .015020 .230 .097 .010020 .236 .055 .020																		
2.15																		
.215 .168 .010020 .220 .159 .005010 .230 .038 .020030 .235 .161 .005010 .242 .128 .005010 .247 .206 .005010 .215 .170 .005010 .220 .166 .015020 .230 .050 .020030 .235 .164 .010020 .242 .129 .015025 .248 .052 .035050 .216 .054 .015032 .220 .177 .015020 .230 .073 .015030 .235 .167 .020036 .242 .145 .010015 .248 .063 .015025 .248 .065 .015025 .248 .065 .015025 .248 .065 .005010 .230 .094 .042062 .235 .202 .005010 .242 .146 .005010 .248 .065 .015030 .216 .110 .010020 .221 .065 .005010																		
.215 .170 .005010 .220 .166 .015020 .230 .050 .020030 .235 .164 .010020 .242 .129 .015025 .248 .052 .035050 .216 .054 .015032 .220 .177 .015020 .230 .073 .015030 .235 .167 .020036 .242 .145 .010015 .248 .063 .015025 .216 .055 .005010 .220 .179 .005010 .230 .094 .042062 .235 .202 .005010 .248 .065 .015030 .216 .057 .020030 .221 .061 .050010 .230 .097 .010020 .236 .061 .005010 .242 .146 .005010 .248 .067 .015030 .216 .110 .010020 .221 .084 .020035 .230 .111 .010020 .242 .172 .025																		
.216 .054 .015032 .220 .177 .015020 .230 .073 .015030 .235 .167 .020036 .242 .145 .010015 .248 .063 .015025 .216 .055 .005010 .220 .179 .005010 .230 .094 .042062 .235 .202 .005010 .242 .146 .005010 .248 .065 .015030 .216 .057 .020030 .221 .061 .055010 .230 .097 .010020 .236 .055 .020040 .242 .147 .010020 .248 .067 .015030 .216 .120 .010020 .221 .065 .005010 .230 .111 .010020 .242 .172 .025035 .248 .078 .015030 .216 .120 .010020 .221 .084 .020035 .230 .111 .010020 .236 .070 .010																		
.216 .057 .020030 .221 .061 .050060 .230 .097 .010020 .236 .055 .020040 .242 .147 .010020 .248 .067 .015030 .216 .110 .010020 .221 .065 .005010 .230 .108 .005010 .236 .061 .005010 .242 .163 .025035 .248 .078 .015030 .216 .120 .010020 .221 .084 .020035 .230 .111 .010020 .236 .070 .010020 .242 .172 .025040 .248 .080 .005010 .216 .126 .005010 .221 .099 .020030 .230 .120 .005010 .236 .078 .005010 .242 .192 .012020 .248 .080 .020040 .216 .148 .005010 .221 .106 .010020 .230 .121 .010020 .236 .082 .015030 .242 .194 .005010	.216	.054	.015032	.220	.177	.015020	.230	.073	.015030	.235	.167	.020036	.242	.145	.010015	.248	.063	.015025
.216 .110 .010020 .221 .065 .005010 .230 .108 .005010 .236 .061 .005010 .242 .163 .025035 .248 .078 .015030 .216 .120 .010020 .221 .084 .020035 .230 .111 .010020 .236 .070 .010020 .242 .172 .025040 .248 .080 .005010 .216 .126 .005010 .221 .099 .020030 .230 .120 .005010 .236 .078 .005010 .242 .192 .012020 .248 .080 .020040 .216 .148 .005010 .221 .106 .010020 .230 .121 .010020 .236 .080 .020030 .242 .194 .005010 .248 .080 .050070 .216 .162 .010020 .221 .117 .005010 .236 .082 .015030 .243 .194 .005010 .248 .080 .050010 </td <td>.216</td> <td>.055</td> <td></td> <td>.220</td> <td>.179</td> <td>.005010</td> <td>.230</td> <td>.094</td> <td></td> <td>.235</td> <td>.202</td> <td>.005010</td> <td>.242</td> <td>.146</td> <td>.005010</td> <td>.248</td> <td>.065</td> <td>.015030</td>	.216	.055		.220	.179	.005010	.230	.094		.235	.202	.005010	.242	.146	.005010	.248	.065	.015030
.216 .120 .010020 .221 .084 .020035 .230 .111 .010020 .236 .070 .010020 .242 .172 .025040 .248 .080 .005010 .216 .126 .005010 .221 .099 .020030 .230 .120 .005010 .236 .078 .005010 .242 .192 .012020 .248 .080 .020040 .216 .148 .005010 .221 .106 .010020 .230 .121 .010020 .236 .080 .020030 .242 .194 .005010 .248 .080 .050070 .216 .162 .010020 .221 .117 .005010 .230 .125 .020040 .236 .082 .015030 .243 .095 .015025 .248 .087 .005015 .217 .080 .020030 .221 .122 .020035 .230 .130 .005																		
.216 .126 .005010 .221 .099 .020030 .230 .120 .005010 .236 .078 .005010 .242 .192 .012020 .248 .080 .020040 .216 .148 .005010 .221 .106 .010020 .230 .121 .010020 .236 .080 .020030 .242 .194 .005010 .248 .080 .050070 .216 .162 .010020 .221 .117 .005010 .230 .125 .020040 .236 .082 .015030 .243 .095 .015025 .248 .087 .005015 .217 .080 .020030 .221 .122 .020035 .230 .130 .005060 .236 .091 .020030 .243 .130 .010050 .248 .089 .020035 .217 .100 .030050 .221 .125 .020035 .230 .145 .010040 .236 .094 .015030 .243 .133 .005010																		
.216 .148 .005010 .221 .106 .010020 .230 .121 .010020 .236 .080 .020030 .242 .194 .005010 .248 .080 .050070 .216 .162 .010020 .221 .117 .005010 .230 .125 .020040 .236 .082 .015030 .243 .095 .015025 .248 .087 .005015 .217 .080 .020030 .221 .122 .020035 .230 .130 .005060 .236 .091 .020030 .243 .130 .010050 .248 .089 .020035 .217 .084 .015030 .221 .125 .020035 .230 .145 .010040 .236 .094 .015030 .243 .133 .005010 .248 .091 .030040 .217 .106 .030050 .221 .126 .020035 .230 .152 .010020 .236 .097 .015030 .243 .136 .005010																		
.216 .162 .010020 .221 .117 .005010 .230 .125 .020040 .236 .082 .015030 .243 .095 .015025 .248 .087 .005015 .217 .080 .020030 .221 .122 .020035 .230 .130 .005060 .236 .091 .020030 .243 .130 .010050 .248 .089 .020035 .217 .084 .015030 .221 .125 .020035 .230 .145 .010040 .236 .094 .015030 .243 .133 .005010 .248 .091 .030040 .217 .100 .030050 .221 .126 .020035 .230 .152 .010020 .236 .097 .015030 .243 .133 .005010 .248 .092 .005015 .217 .106 .015030 .221 .130 .030042 .230 .160 .010020 .236 .098 .030048 .243 .145 .010020																		
.217 .080 .020030 .221 .122 .020035 .230 .130 .005060 .236 .091 .020030 .243 .130 .010050 .248 .089 .020035 .217 .084 .015030 .221 .125 .020035 .230 .145 .010040 .236 .094 .015030 .243 .133 .005010 .248 .091 .030040 .217 .100 .030050 .221 .126 .020035 .230 .152 .010020 .236 .097 .015030 .243 .136 .005010 .248 .092 .005015 .217 .106 .015030 .221 .130 .030042 .230 .160 .010020 .236 .098 .030048 .243 .145 .010020 .248 .093 .005030 .217 .116 .008016 .221 .135 .005010 .230 .167 .005010 .236 .107 .020030 .243 .146 .010020																		
.217 .084 .015030 .221 .125 .020035 .230 .145 .010040 .236 .094 .015030 .243 .133 .005010 .248 .091 .030040 .217 .100 .030050 .221 .126 .020035 .230 .152 .010020 .236 .097 .015030 .243 .136 .005010 .248 .092 .005015 .217 .106 .015030 .221 .130 .030042 .230 .160 .010020 .236 .098 .030048 .243 .145 .010020 .248 .093 .005030 .217 .116 .008016 .221 .135 .005010 .230 .167 .005010 .236 .107 .020030 .243 .146 .010020 .248 .094 .040060																		
.217 .100 .030050 .221 .126 .020035 .230 .152 .010020 .236 .097 .015030 .243 .136 .005010 .248 .092 .005015 .217 .106 .015030 .221 .130 .030042 .230 .160 .010020 .236 .098 .030048 .243 .145 .010020 .248 .093 .005030 .217 .116 .008016 .221 .135 .005010 .230 .167 .005010 .236 .107 .020030 .243 .146 .010020 .248 .094 .040060																		
.217 .106 .015030 .221 .130 .030042 .230 .160 .010020 .236 .098 .030048 .243 .145 .010020 .248 .093 .005030 .217 .116 .008016 .221 .135 .005010 .230 .167 .005010 .236 .107 .020030 .243 .145 .010020 .248 .094 .040060																		
.217 .116 .008016 .221 .135 .005010 .230 .167 .005010 .236 .107 .020030 .243 .146 .010020 .248 .094 .040060																		
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.249										NO	100	LING CH	ANGL		AITI OI	*****	OIZEO	LISTED
248 300 605 505 503 503 505	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*												
24	248	100		250	132		253	115		263	061		270	132		276	114	
248 188																		
248 128 015 - 028 029 039 050 050 028 128 029 - 039 283 149 050 - 050 027 010 050 - 050 027 010 050 - 050 027 010 050 - 050 027 010 050 - 050 027 010 050 - 050 027 010 050 - 050 027 028																		
248 122 016 - 002 200 140 005 - 006 203 152 025 - 040 203 150 005 - 010 207 180 005 - 010 276 141 005 - 010 204 181 205 - 040 203 203																		
248 128 002 003 200 146 001 003 231 146 002 003 003 005 007																		
248 128																		
248 130 050 050 050 150 050																		
248 136 056 050 050 150 050 150 050																		
248 188 181-200 280 180 181-200 280 181 181-200 281 181 181-200																		
248 152 00.00 250 157 005 - 005 258 157 005 - 005 250 150 005 - 005 250 150 005 - 005 250 150 005 - 005 250 150 005 - 005 250 150 005 - 005 250 150 005 - 005 250 150 005 - 005 250																		
248 155 036 050 250 156 015 005 005 026 036																		
248 188 069 - 049 280 189 089 - 089 284 081 089 - 080 284 189 019 - 020 281 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276 189 019 - 020 276																		
248 188 025 046 260 161 025 046 246 174 025 046 174 025 046																		
248 268 670																		
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249 113 005 005 016 250 167 017 005 024 285 018 005 010 265 122 005 006 272 121 005 005 010 277 77 039 030 0																		
249 112 010 010 018 250 172 050 050 010 265 015 050 010 265 015 050 010 265 015 050 010 265 010 270 010 010 270 010																		
249 116 020 040 250 173 025 040 255 101 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050 105 030 050																		
249 124 015 - 025 290 175 005 - 010 255 105 007 - 040 265 129 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 267 140 005 - 040 277 140 005 - 040 277 140 005 - 040 277 140 005 - 040 278 140 005 - 040 277 140 005 - 040 278																		
249 1242 015-080 250 176 026-040 255 105 025-040 256 141 005-070 272 198 032-042 277 126 005-070 249 127 010-050 249 127 010-050 255 146 010-020 256 146 010-020																		
249 124 005 - 010 250 183 202 - 040 255 185 010 - 020 251 185 202 - 036 231 231 232 232 232 205 251 232																		
249 127 010 050 050 136 010 020 255 138 015 030 050 100 272 194 010 005 070 077 129 050 070 072 249 138 005 010 220 230 130 010 020 255 146 035 050 256 161 010 030 273 104 005 005 010 277 140 020 030 034																		
249 138 020 - 036 590 189 010 - 020 255 149 040 - 050 265 160 005 - 010 277 132 015 - 025 249 133 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 020 - 285 140 035 - 050 055 - 010 275 140 035 - 050 055 - 010 275 140 035 - 050 055 - 010 275 140 055 - 050 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 - 010 055 -																		
249 135 005 - 010 250 190 010 - 020 255 164 005 - 050 265 164 005 - 030 273 104 005 - 010 277 143 005 - 030 249 139 005 - 040 250 191 010 - 020 255 159 005 - 040 265 139 005 - 040 273 118 015 - 030 277 143 005 - 030 249 143 015 - 030 251 036 010 - 020 255 199 040 - 080 255 139 005 - 040 273 118 015 - 030 277 143 005 - 030 248 143 035 - 030 251 057 005 - 010 255 019 040 - 080 255 139 035 - 040 273 118 015 - 030 277 146 055 - 030 248 143 035 - 030 255 199 040 - 080 255 139 035 - 040 273 144 035 - 030 277 146 035 - 030 035																		
249 137 025 - 056 250 191 010 - 020 255 167 005 - 010 255 168 010 - 010 273 108 015 - 030 277 143 005 - 010 244 143 015 - 030 251 036 010 - 020 256 189 005 - 040 273 135 020 - 040 277 146 050 - 040 245 143 015 - 030 245																		.020030
249 139 005 - 040 250 192 025 - 030 255 195 040 - 060 265 139 005 - 040 273 118 015 - 030 277 146 055 - 030 249 144 030 - 056 251 057 005 - 012 256 164 025 - 042 266 062 005 - 010 273 141 015 - 025 277 161 015 - 030 249 152 055																		.005010
249 144 015 - 030 251 036 010 - 020 256 199 040 - 020 265 189 005 - 010 273 135 020 - 040 277 161 015 - 036 249 181 020 - 040 271 181 015 - 036 249 181 020 - 040 271 181 015 - 036 249 181 020 - 040 271 181 015 - 036 249 181 020 - 040 251 074 025 - 050 257 075 025 - 040 266 030 005 - 010 273 144 005 - 010 277 170 015 - 036 249 170 020 - 040 251 074 025 - 050 257 075 075 - 075 075																		.050070
249 144 030 - 050 251 057 005 - 012 256 164 025 - 042 266 092 015 - 030 273 141 015 - 025 277 163 015 - 025 056 090 005 - 010 273 141 005 - 010 277 163 005 - 006 005 - 006 249 168 020 - 030 251 033 025 - 040 257 078 075																		.015030
184						.005012												.015025
249 168 020 030 251 033 025 040 257 078 025 040 266 110 005 071 073 148 020 030 277 170 075 050 050 050 071 070																		
249 170 020 026 040 251 074 025 066 025 075 065 075 065 075																		
249 170																		.005010
249 186 .005 - 010 .251 .101 .025040 .288 .067 .015030 .266 .131 .036060 .027 .032 .030 .020030 .278 .037 .005010 .284 .131 .030050 .284 .131 .030050 .288 .149 .005010 .286 .168 .025040 .274 .032 .005010 .288 .134 .005010 .286 .171 .020035 .274 .032 .005010 .288 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .284 .141 .010082 .085																		.010020
249 186 .005 - 010 .251 .101 .025 - 040 .288 .067 .015030 .266 .131 .036060 .274 .032 .005010 .278 .037 .005010 .274 .132 .005006 .010 .278 .135 .040060 .284 .141 .010022 .249 .193 .008012 .251 .115 .040060 .258 .149 .005010 .266 .168 .025040 .274 .032 .005040 .278 .135 .040060 .284 .141 .010022 .252 .125 .115 .040060 .258 .145 .005010 .266 .171 .020030 .274 .032 .005040 .278 .141 .010022 .252 .125 .125 .105 .000000 .258 .163 .005010 .266 .171 .020030 .274 .127 .030060 .278 .142 .025044 .125 .052 .052 .125 .125 .105 .000010 .278 .125 .005010 .274 .125 .035035 .278 .145 .005035 .278 .125 .005010 .278 .125 .005010 .274 .125 .035035 .278 .135 .005035 .278 .135 .005035 .278 .135 .005035 .278 .135 .005010 .274 .125 .035035 .278 .135 .005010 .278 .125 .005010 .274 .125 .025035 .278 .135 .005010 .278 .125 .005010 .274 .125 .025035 .278 .135 .005010 .278 .125 .005010 .274	.249	.172	.010020	.251	.093	.005010	.257	.213	.005010	.266	.123	.031048	.273	.173	.005010	.278	.058	.010020
249 190 005 - 006 251 113 000 - 005 258 149 005 - 010 266 168 025 - 040 274 039 005 - 040 278 143 0.04 - 0.62 249 193 008 - 041 275 115 040 - 060 258 145 005 - 010 266 179 020 - 030 274 039 005 - 040 278 142 0.05 - 040 278 142 0.05 - 040 278 143 0.04 - 0.62 244 142 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 145 0.05 - 040 278 125 0.05 - 040 278 145 0.05 - 040 278	.249	.186	.005010	.251	.101	.025040	.258	.067	.015030	.266	.131	.036060	.273	.203	.020030	.278	.087	.005010
245 193 008 - 012 251 115 040 - 0.60 258 154 005 - 0.01 256 1 162 035 - 0.05 105 050 258 163 015 - 0.30 266 179 020 - 0.05 012 4 025 005 - 0.01 0278 142 005 - 0.05 005 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 278 142 005 - 0.05 010 251 133 0.05 0.05 025 059 160 005 - 0.05 05 059 059 059 059 059 059 059 059 05	.249	.189	.015032	.251	.108	.020040	.258	.095	.015025	.266	.134	.025040	.274	.032	.005010	.278	.103	.005010
250	.249	.190	.005008	.251	.113	.030050	.258	.149	.005010	.266	.168	.025040	.274	.052	.005010	.278	.135	.040062
255 0 .22 .005 .012 .251 .136 .005 .010 .269 .268 .177 .005 .015 .266 .22 .005 .010 .274 .172 .030 .060 .278 .181 .005 .015 .050 .278 .274 .121 .005 .010 .274 .172 .030 .060 .278 .181 .005 .015 .275 .016 .274 .172 .030 .060 .278 .181 .005 .016 .278 .181 .005 .016 .278 .181 .005 .016 .274 .172 .030 .060 .278 .183 .005 .016 .278 .183 .005 .016 .274 .172 .030 .080 .082 .278 .183 .005 .016 .278 .183 .005 .016 .274 .172 .030 .080 .082 .278 .183 .005 .016 .278 .183 .005 .016 .274 .172 .030 .080 .082 .278 .183 .005 .016 .280 .083 .016 .026 .278 .183 .005 .016 .274 .172 .040 .060 .278 .190 .005 .016 .025 .016 .005 .005 .005 .005 .005 .005 .005 .00	.249	.193	.008012	.251	.115	.040060	.258	.154	.005010	.266	.171	.020035	.274	.093	.005040	.278	.141	.010020
251 130 015 030 259 116 005 -010 274 127 030 -060 278 151 005 -030 250 278 155 005 -010 274 172 030 -050 278 155 005 -010 274 172 030 -050 278 155 005 -010 275 030 -050 278 155 005 -010 275 030 -050 278 155 005 -010 275 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 030 -050 278 150 005 -010 250 05 -010 250 138 005 -010 250 138 005 -010 250 138 005 -010 250 05 027 140 05 -015 251 148 015 -036 250 050 050 050 050 050 050 050 050 050		_	_	.251	.122	.035050	.258	.163	.015030	.266	.179	.020030	.274	.095	.005010	.278	.142	.025040
256	4			.251	.125		.258	.169	.020030	.266	.185	.015025	.274	.121	.005010	.278	.145	.005010
256			7()					.177	.005015		.202	.005010		.127	.030060		.151	.005030
250 0.27 0.05 - 0.010 251 1.36 0.05 - 0.10 269 213 0.05 - 0.10 267 1.05 0.030 - 0.05 274 1.172 0.040 - 0.00 278 1.90 0.05 - 0.010 2.05 0.044 0.05 - 0.015 2.51 1.48 0.05 - 0.010 2.00 0.065 0.010 - 0.20 2.67 1.125 0.05 - 0.010 2.74 1.75 0.040 - 0.05 2.78 1.91 0.15 - 0.032 2.50 0.044 0.05 - 0.015 2.51 1.46 0.015 - 0.030 2.60 0.108 0.015 - 0.030 2.67 1.43 0.015 - 0.030 2.74 1.75 0.040 - 0.050 2.78 2.24 0.011 - 0.020 2.50 0.05 0.05 0.05 0.012 2.51 1.46 0.015 - 0.030 2.60 1.013 0.15 - 0.030 2.67 1.44 0.020 - 0.030 2.74 2.11 0.05 - 0.020 2.78 2.24 0.015 - 0.030 0.05 0.010 2.51 1.49 0.04 - 0.050 0.260 1.013 0.15 - 0.030 2.67 1.44 0.020 - 0.030 2.74 2.11 0.05 - 0.020 2.78 2.24 0.05 - 0.015 0.	= 4																	
250 0.93 0.05 - 0.025 251 1.38 0.05 - 0.10 260 0.65 0.10 - 0.20 267 1.25 0.05 - 0.10 274 1.74 0.35 - 0.50 2.78 1.91 0.15 - 0.02 250 0.05 0.05 0.05 0.05 0.05 2.01 2.51 1.46 0.15 - 0.30 2.60 1.08 0.15 - 0.30 2.67 1.43 0.10 - 0.02 274 1.75 0.40 - 0.50 2.78 2.24 0.00 - 0.02 2.50 0.30 0.50 0.05 0.01 2.51 1.46 0.15 - 0.30 2.60 1.08 0.15 - 0.30 2.67 1.44 0.20 - 0.30 2.74 1.91 0.05 - 0.00 2.78 2.24 0.05 - 0.10 2.50 0.05 0.05 0.05 0.01 2.51 1.57 0.40 - 0.50 2.60 1.13 0.15 - 0.30 2.67 1.44 0.20 - 0.30 2.74 1.91 0.05 - 0.01 0.279 1.03 0.05 - 0.10 2.50 0.05 0.07 0.05 0.05 0.05 0.05 0.05 0																		
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250 0.052 0.052 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.055 0																		
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.250 0.72 0.05 - 0.12 2.51 1.51 0.25 0.40 2.60 1.20 0.20 - 0.60 2.67 1.68 0.05 - 0.10 2.74 2.37 0.05 - 0.10 2.79 1.13 0.05 - 0.10 2.25 0.05 0.07 0.12 - 0.25 2.51 1.55 0.05 - 0.15 2.60 1.28 0.40 - 0.60 2.67 1.78 0.25 - 0.40 2.75 0.79 0.10 - 0.20 2.79 1.16 0.10 - 0.20 2.50 0.83 0.15 - 0.20 2.51 1.60 0.05 - 0.10 2.60 1.28 0.40 - 0.60 2.67 1.78 0.25 - 0.40 2.75 0.79 0.10 - 0.20 2.79 1.39 0.05 - 0.10 2.50 0.83 0.15 - 0.20 2.51 1.60 0.05 - 0.10 2.60 1.29 0.25 0.40 2.67 1.89 0.10 - 0.20 2.75 0.81 0.20 - 0.40 2.79 1.39 0.03 - 0.40 2.50 0.85 0.05 - 0.30 2.51 1.87 0.10 - 0.20 2.60 1.44 0.20 - 0.40 2.67 1.90 0.05 - 0.08 2.75 0.81 0.20 - 0.40 2.79 1.39 0.03 - 0.40 2.50 0.93 0.25 0.94 0.25 0.94 2.60 1.44 0.05 - 0.05 2.60 0.40 2.67 1.90 0.05 - 0.08 2.75 0.89 0.30 - 0.50 2.79 1.40 0.30 - 0.40 2.50 0.93 0.95 2.79 1.40 0.30 - 0.40 2.60 1.58 0.05 - 0.30 2.51 1.87 0.05 - 0.05 2.60 1.63 0.05 - 0.40 2.68 1.09 0.15 - 0.30 2.75 0.96 0.05 - 0.01 0.29 1.56 0.20 0.25 0.40 2.60 0.95 0.07 0.40 2.51 1.92 0.05 - 0.10 2.60 1.67 0.05 - 0.40 2.68 1.09 0.15 - 0.30 2.75 0.98 0.30 - 0.50 2.79 1.70 0.15 0.25 2.50 0.95 0.07 0.40 2.51 1.92 0.05 - 0.10 2.60 1.67 0.05 - 0.40 2.68 1.14 0.20 - 0.40 2.75 1.15 0.05 - 0.40 2.79 1.70 0.15 0.25 2.50 0.99 0.32 - 0.50 2.51 1.95 0.05 - 0.10 2.60 1.67 0.05 - 0.40 2.68 1.14 0.20 - 0.40 2.75 1.15 0.05 - 0.40 2.79 1.70 0.15 0.25 2.50 0.99 0.32 - 0.50 2.51 1.95 0.05 - 0.10 2.60 1.75 0.05 0.40 2.68 1.14 0.20 - 0.40 2.75 1.15 0.05 - 0.40 2.79 1.75 0.05 0.40 2.50 0.99 0.32 - 0.50 2.51 1.95 0.05 - 0.10 2.60 1.75 0.05 0.40 2.68 1.14 0.20 - 0.40 2.75 1.15 0.05 - 0.40 2.79 1.75 0.05 0.40 2.50 0.99 0.32 - 0.50 2.51 1.20 0.05 - 0.10 2.60 1.75 0.05 0.40 2.68 1.74 0.05 0.05 0.10 2.75 1.26 0.10 0.40 2.79 2.77 0.15 0.30 2.50 0.99 0.32 - 0.50 2.51 2.50 0.05 0.07 0.15 2.60 1.75 0.05 0.40 2.68 1.79 0.05 0.10 2.75 1.26 0.10 0.00 0.00 2.79 2.27 0.15 0.30 2.50 0.99 0.02 0.05 0.00 2.51 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.50 0.05 0.00 2.																		
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.250 .085 .085 .0805 .030 .251 .162 .025 .044 .020 .040 .267 .295 .089 .030 .050 .279 .140 .030 .042 .250 .093 .062 .083 .251 .188 .005 .008 .260 .188 .005 .020 .267 .211 .020 .030 .275 .096 .005 .001 .279 .144 .025 .042 .250 .094 .005 .025 .260 .188 .020 .040 .268 .114 .020 .040 .275 .098 .030 .050 .279 .175 .015 .020 .097 .030 .080 .251 .192 .005 .010 .260 .170 .040 .060 .275 .118 .020 .040 .025 .040 .251 .280 .055 .010 .260 .175 .040 .268 .124 .015																		
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280 100	O.D.	I.D.		O.D.	1.D.	From To	U.D.	1.D.	From To	U.D.	I.D.	From To	O.D.	1.D.		U.D.	1.D.	From To
280 100 -010 -0	.280	.161	.015030	.285	.192	.020035	.294	.187	.030050	.300	.162	.025040	.305	.140	.032060	.310	.076	.020040
280 200	.280	.169	.005015	.285	.194	.005010	.294	.192	.005012	.300	.166	.005010	.305	.152	.015030	.310	.088	.015025
280 280	.280	.193	.010015	.285	.204	.010020	.294	.224	.005010	.300	.167	.030042	.305	.156	.010020	.310	.090	.012025
280 247 020 030 268 155 032 046 268 155 041 042 045 045 046	.280	.201	.005020	.285	.207	.020030	.295	.079	.050060	.300	.169	.015030	.305	.160	.025040	.310	.093	.025040
285 100	.280	.202	.025040	.285	.239	.010015	.295	.106	.008016	.300	.175	.025040	.305	.162	.015030	.310	.095	.025035
281 100	.280	.217	.020030	.286	.125	.032048	.295	.127	.025040	.300	.176	.005010	.305	.169	.025040	.310	.096	.005010
281 1067 1067 1067 1067 1068 1068 1069 1	.280	.236	.010032	.286	.150	.032050	.295	.130	.010040	.300	.177	.010020	.305	.188	.010020	.310	.102	.015030
281 100 0.001 0.001 0.001 286 186 0.01 - 0.002 0.001 180 0.010 - 0.001 0.001	.281	.052	.010020	.286	.163	.005010	.295	.138	.015030	.300	.180	.015025	.305	.197	.005010	.310	.104	.020040
281 112 001 005 005	.281	.067	.032050	.286	.170	.010020	.295	.148	.030040	.300	.182	.005010	.305	.204	.025048	.310	.106	.025050
281 112	.281	.094	.040060	.286	.186	.010020	.295	.162	.020040	.300	.185	.010020	.305	.205	.025042	.310	.116	.030040
281 172	.281	.096	.005010	.286	.188	.005010	.295	.167	.025040	.300	.192	.005010	.305	.221	.005010	.310	.119	.025050
281 172	.281	.112	.040050	.286	.195	.005010	.295	.169	.005010	.300	.192	.030050	.305	.225	.010020	.310	.120	.030060
281 132 005 - 010 287 183 005 - 010 286 174 005 - 020 286 014 005 - 020 281 181 005 - 010 287 185 005 - 020 285 177 005 - 020 300 230 015 - 025 305 140 005 - 020 301 310 015 - 025 325	.281	.117	.025040	.286	.211		.295	.170	.040050	.300	.200	.005010	.306	.045	.010025	.310	.122	.025035
281 132 005 - 010 287 183 005 - 010 286 174 005 - 020 286 014 005 - 020 281 181 005 - 010 287 185 005 - 020 285 177 005 - 020 300 230 015 - 025 305 140 005 - 020 301 310 015 - 025 325	.281	.122	.010020	.287	.118	.005010	.295	.173	.030050	.300	.203	.010020	.306	.127	.025040	.310	.124	.005010
281 134 M40 - 060 287 136 050 - 020 295 137 050 - 060 300 - 202 300 - 020 306 140 016 - 020 310 132 015 - 020 281 137 025 - 040 285	.281	.126	.005010	.287	.183	.005010	.295	.174	.020032	.300	.216	.016025	.306	.138	.020040	.310	.127	.020075
281 142	.281	.132	.005010	.287	.195	.006012	.295	.177	.010020	.300	.220	.015025	.306	.140	.005010	.310	.130	.030050
281 145	.281	.134	.040060	.287	.196	.005020	.295	.179	.050060	.300	.230	.010020	.306	.190	.015030	.310	.132	.015030
281 156 005 - 010 288 147 015 - 030 289 295 155 055 - 040 050 228 050 - 010 101 107 005 - 010 051 128 101 - 052	.281	.142	.010030	.288	.128	.030050	.295	.187	.005010	.300	.248	.015030	.306	.194	.030050	.310	.134	.015030
281 199 015 - 309 289 037 020 - 309 285 185 005 - 301 301 157 015 - 225 306 - 228 016 - 225 303 - 303 - 302 228 228 217 210	.281	.143	.005010	.288	.131	.025040	.295	.192	.005040	.300	.260	.005012	.306	.203	.005015	.310	.140	.015025
281 170	.281	.156	.005010	.288	.197	.015030	.295	.193	.015030	.301	.109	.025040	.306	.228	.005010	.310	.147	.005010
281 170 016 - 032 289 084 005 - 010 286 210 010 - 020 301 130 015 - 030 307 080 005 - 010 310 161 005 - 007	.281	.159	.015030	.289	.037	.020030	.295	.195	.005010	.301	.127	.015025	.306	.228	.016025	.310	.152	.015025
281 185 005 - 010 289 090 091 090 - 090 - 090 280 - 075 - 280 120 200 - 030 301 142 200 - 040 307 130 800 - 040 310 161 200 - 040 281 181 201	.281	.162	.010050	.289	.046	.005010	.295	.199	.020030	.301	.128	.010020	.306	.243	.005010	.310	.155	.030042
281 185 005 - 010 289 090 091 090 - 090 - 090 280 - 075 - 280 120 200 - 030 301 142 200 - 040 307 130 800 - 040 310 161 200 - 040 281 181 201																		
281 185																		
281 186 .005010 289 .123 .005010 .206 .122 .005010 .301 .144 .005010 .307 .139 .005000 .310 .140 .100020 .202 .202 .008 .007 .008 .008 .100 .008 .100 .008 .100 .307 .143 .005000 .310 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .301 .140 .005008 .307 .160 .005001 .301 .100 .002 .20																1		
281 187																		
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282 123 005 - 015 289 193 040 - 060 296 189 015 - 035 301 186 0.00 307 169 0.02 - 0.03 310 139 305 - 0.04 282 127 040 - 060 290 081 090 - 040 296 198 0.05 - 040 301 185 0.20 - 0.30 307 174 0.05 - 0.07 310 139 302 - 0.04 282 131 0.05 - 0.01 0.05 - 0.01 0.05		.096												.166			.190	
282 126	.282	.123		.289		.040060	.296	.189	.015030	.301	.167			.169		.310	.191	
282 139	.282	.126	.015025	.289	.200	.005010	.296	.190	.015025	.301	.168	.040060	.307	.174	.005010	.310	.193	.025040
282 139	.282	.127	.040060	.290	.081	.020040	.296	.198		.301	.185		.307	.177		.310	.195	.005010
222 173	.282	.130	.005010		.091				.010020		.192			.182	.010020	.310	.199	.030050
222 173	.282	.131	.030050		.103		.296			.301			.307	.189	.005020	.310	.201	.032050
282 176 005 - 010 290 138 015 - 030 297 086 005 - 010 301 225 005 - 050 307 204 025 - 040 310 224 010 - 020 228 184 006 - 016 290 137 010 - 020 297 135 020 - 035 301 252 010 - 020 307 254 010 - 020 310 225 005 - 010 302 225 005 - 010 302 225 005 - 010 302 225 005 - 010 302 225 005 - 010 202 225 010 - 020 310 225 005 - 010 202 225 010 - 020 310 225 005 - 010 202 225 010 - 020 310 225 005 - 010 202 225 010 - 020 310 225 005 - 010 225 215 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 005 - 010 225 010 - 020 236 225 010 - 020 236 225 010 - 020 236 225 010 - 020 236 225 010 - 020 236 225 010 - 020 236 225 010 - 020 236 225 010 - 020 236 225 010 010	.282	.173	.025040	.290	.126	.005030	.297	.062	.010025	.301	.215		.307	.203	.025042	.310	.213	.030050
282 180 005-0-00 290 130 030-050 297 120 050-070 301 245 005-010 307 227 005-010 230 235 005-010 282 187 040-050 290 139 005-010 297 119 005-020 301 255 010-016 308 099 043 005-012 310 242 010-040 282 197 010-020 230 230 032-042 297 297 050-010 302 288 050-010 308 099 010-020 310 242 010-040 282 282 297 070-090 300 070-090 300 070-090 300 205 005-010 302 283 005-010 300 099 010-020 310 255 010-016 308 099 010-020 310 255 010-020 310 255 010-016 308 099 010-020 302 255 005-010 302 310 050-010 308 322 005-010 300 308 322 005-010 300 308 322 005-010 300 308 322 005-010 300 308 322 005-010 300 308 322 005-010 300 308 322 005-010 300 308 322 005-010 300 308 302 305 005-010 300 305	.282	.176						.086								1		
282 184 0.06 - 0.06 .290 .137 .005002 .297 .155 .020035 .301 .255 .010020 .307 .256 .010020 .301 .223 .005010 .020 .201 .202 .201 .005010 .020 .201 .202 .010 .020 .005010 .202 .201 .005020 .201 .005020 .201 .005020 .020 .005020 .202 .203 .007015 .200 .010020 .201 .001020 .201 .001020 .201 .202 .201 .005020 .202 .203 .005010 .302 .202 .203 .005010 .302 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .202 .203 .203 .202 .203 .203 .203 .204 .203 .203 .203 .203 .203 .204 .203																		
282 187 0.40 0.650 290 139 0.05 -0.10 287 119 0.05 -0.05 -0.05 -0.05 0.05 -0.05 0.05 -0.05																		
282 191 0.025 - 0.40 290 1.51 0.032 - 0.42 297 191 0.05 - 0.02 301 2.88 0.05 - 0.01 3.08 0.09 0.01 - 0.02 3.01 2.50 0.05 - 0.02 2.82 223 0.07 - 0.05 2.90 1.99 0.015 - 0.30 2.97 2.90 0.05 - 0.01 3.02 1.35 0.05 - 0.07 3.08 1.11 0.05 - 0.03 3.01 2.55 0.05 - 0.02 2.83 0.05 0.05 - 0.01 2.90 2.01 3.03 - 0.04 2.97 2.55 0.05 - 0.01 3.02 3.03 3.02 3.11 0.05 - 0.01 3.08 1.11 0.05 - 0.01 3.10 2.55 0.05 - 0.02 2.83 0.05 0.05 - 0.01 2.90 2.05 - 0.01 2.90 3.05 0.05 - 0.01 3.00 3.01 2.55 0.05 - 0.02 2.83 0.05																1		
282 197 010 - 020 290 170 010 - 020 297 290 3020 - 040 302 125 070 - 090 308 108 005 - 015 310 254 015 - 030 283 095 005 - 010 290 290 005 - 010 030 015 - 030 290 200 005 - 010 029 295 005 - 010 032 131 040 - 060 308 131 005 - 010 310 255 005 - 020 283 098 005 - 010 290 200 005 - 010 298 032 010 - 020 298 032 010 - 020 298 032 010 - 020 298 032 010 - 020 298 153 005 - 010 308 131 005 - 010 308 138 005 - 010 310 257 005 - 030 283 131 005 - 010 308 138 005 - 010 310 257 005 - 030 283 131 005 - 010 308 138 005 - 010 310 257 005 - 030 283 131 005 - 010 308 138																		
283 .095 .005 .010 .290 .291 .293 .096 .015 .030 .287 .005 .010 .302 .131 .040 .060 .013 .302 .257 .005 .010 .202 .202 .025 .006 .010 .202 .151 .005 .010 .302 .141 .005 .015 .310 .257 .005 .010 283 .088 .032 .0291 .032 .010 .020 .298 .155 .005 .010 .302 .161 .005 .010 .308 .143 .015 .003 .010 .005 .010 .005 .005 .010 .005 .005 .010 .005 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .00		.197	.010020						.020040					.108	.005015			.015030
283 .095 .005 .010 .290 .291 .293 .096 .015 .030 .287 .005 .010 .302 .131 .040 .060 .013 .302 .257 .005 .010 .202 .202 .025 .006 .010 .202 .151 .005 .010 .302 .141 .005 .015 .310 .257 .005 .010 283 .088 .032 .0291 .032 .010 .020 .298 .155 .005 .010 .302 .161 .005 .010 .308 .143 .015 .003 .010 .005 .010 .005 .005 .010 .005 .005 .010 .005 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .010 .005 .00	.282	.223	.007015		.199	.015030	.297	.209	.005010	.302	.130	.050070	.308	.121	.015030	.310	.255	.005020
283 .096 .015 .030 .297 .005 .010 .308 .136 .005 .010 .310 .257 .005 .005 .010 .308 .140 .005 .010 .308 .141 .005 .010 .005 .010 .283 .011 .010 .022 .011 .022 .005 .015 .005 .010 .032 .111 .010 .022 .029 .183 .133 .005 .010 .032 .111 .010 .020 .020 .030 .211 .125 .005 .010 .032 .125 .005 .010 .032 .127 .015 .030 .111 .111 .005 .010 .005 .010 .308 .148 .003 .005 .010 .308 .148 .003 .005 .010 .308 .148 .004 .006 .011 .188 .005 .011 .188 .005 .005 .001 .288	.283												.308			1		
283 140 0.05 - 0.15 291 0.27 0.05 - 0.10 298 1.39 0.05 - 0.10 3.02 1.51 0.05 - 0.10 3.08 1.40 0.05 - 0.15 3.10 2.58 0.05 - 0.10 2.83 1.41 0.05 - 0.05 2.20 2.21 0.78 0.15 - 0.30 2.28 1.55 0.30 - 0.50 3.02 1.68 0.15 - 0.25 3.08 1.43 0.05 - 0.30 3.11 0.05 0.05 - 0.10 2.28 1.55 0.25 - 0.40 3.02 1.72 0.15 - 0.25 3.08 1.45 0.20 - 0.30 3.11 0.08 0.05 - 0.10 2.28 1.55 0.25 - 0.40 3.02 1.72 0.15 - 0.25 3.08 1.45 0.20 - 0.30 3.11 1.03 0.05 - 0.10 2.28 1.55 0.25 0.20 0.40 3.02 1.72 0.15 - 0.25 3.08 1.45 0.20 - 0.30 3.11 1.03 0.05 - 0.10 3.28 1.65 0.05 - 0.10 3.02 1.72 0.15 - 0.25 3.08 1.45 0.20 - 0.30 3.11 1.03 0.05 - 0.10 3.05 3.11 3.05 0.75 3.28 3.16 0.05 - 0.10 0.28 1.15 0.05 - 0.10 3.02 1.28 0.05 - 0.10 3.08 1.75 0.40 - 0.60 3.11 1.18 0.90 - 0.75 3.28 1.66 0.05 - 0.10 0.28 1.81 0.05 - 0.10 3.02 1.28 0.05 - 0.10 3.08 1.29 0.05 - 0.10 3.11 1.26 0.05 - 0.05 0.28 1.75 0.05 - 0.10 0.28 1.81 0.05 - 0.10 0.30		.096													.005010			.005030
283 140 0.025 0.042 2.91 0.078 0.15 0.300 2.98 1.55 0.05 0.010 3.02 1.68 0.015 0.025 3.08 1.45 0.020 0.030 3.11 1.03 0.05 0.010 0.05 0.015	.283	.098	.032062	.291		.005010	.298	.139		.302	.151		.308	.140		.310	.258	.005010
283 140 0.025 0.042 2.91 0.078 0.15 0.300 2.98 1.55 0.05 0.010 3.02 1.68 0.015 0.025 3.08 1.45 0.020 0.030 3.11 1.03 0.05 0.010 0.05 0.015																1		.005010
283 143 0.10 - 0.15 291 1.25 0.40 - 0.60 298 1.58 0.02 - 0.40 302 1.72 0.15 - 0.25 308 1.48 0.30 - 0.50 3.11 .103 0.05 - 0.10 2.283 1.66 .005 - 0.10 .291 .176 .020 - 0.40 .298 .168 .005 - 0.10 .308 .188 .040 - 0.06 .298 .168 .025 - 0.40 .308 .188 .040 - 0.06 .311 .125 .005 - 0.10 .293 .131 .190 .025 - 0.40 .311 .125 .005 - 0.10 .298 .164 .030 - 0.50 .302 .198 .015 - 0.30 .308 .199 .005 - 0.01 .311 .126 .005 - 0.10 .298 .180 .015 - 0.05 .300 - 0.05 .308 .200 .005 - 0.01 .298 .180 .015 - 0.05 .300 - 0.05 .308 .200 .005 - 0.02 .311 .129 .055 - 0.48 .200 .005 - 0.01 .308 .210 .005 - 0.025 .311 .129 .255 - 0.48 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																		
283 .165 .008015 .291 .159 .040060 .298 .168 .008016 .302 .190 .005010 .308 .175 .040060 .311 .118 .050075 .283 .166 .025040 .291 .184 .008015 .298 .164 .030050 .302 .198 .015030 .308 .199 .005010 .311 .125 .005010 .301 .128 .005010 .308 .193 .005010 .301 .128 .005010 .308 .193 .005010 .298 .180 .005010 .308 .203 .005 .005010 .298 .181 .030050 .302 .252 .005010 .308 .209 .005010 .298 .118 .030025 .303 .114 .055010 .308 .209 .015025 .311 .129 .025048 .200 .005010 .303 .114 .005010 .303 .114																		
283 .166 .005010 .291 .176 .020040 .298 .161 .025040 .302 .198 .005010 .308 .188 .040060 .311 .125 .005010 .283 .173 .030040 .291 .190 .025050 .298 .180 .015030 .302 .295 .030050 .308 .204 .020040 .311 .127 .012025 .283 .184 .005010 .291 .195 .005010 .298 .181 .030050 .302 .252 .005015 .308 .205 .005025 .311 .128 .060080 .082 .005010 .303 .114 .005010 .308 .201 .005001 .308 .201 .005002 .311 .130 .005002 .201 .144 .005010 .303 .128 .005010 .308 .210 .015025 .311 .130 .005025 .2281 .005003 <td></td> <td>1</td> <td></td> <td></td>																1		
283 168 025 - 040 291 184 008 - 015 298 164 030 - 050 302 198 015 - 030 308 199 005 - 010 311 126 030 - 050 2283 184 005 - 010 291 195 005 - 010 298 181 1030 - 050 302 252 005 - 011 308 205 005 - 025 311 128 066 - 080 283 199 008 - 015 291 232 005 - 010 298 193 015 - 025 303 114 005 - 010 308 299 015 - 025 311 129 025 - 048 283 195 020 005 - 010 298 200 005 - 010 303 171 020 - 040 308 291 114 040 - 050 298 221 005 - 010 303 171 020 - 040 308 223 010 - 020 311 130 005 - 025 292 146 005 - 040 299 115 010 - 020 303																		
283 .173 .030040 .291 .195 .025050 .298 .180 .015035 .302 .255 .030051 .308 .204 .020040 .311 .127 .012025 .283 .180 .005015 .291 .232 .005010 .298 .181 .030050 .308 .205 .005025 .311 .128 .060080 .283 .195 .020040 .291 .244 .015025 .298 .200 .005010 .303 .114 .005010 .308 .201 .015025 .311 .130 .005010 .292 .005010 .208 .205 .005010 .308 .203 .001020 .301 .010020 .301 .111 .130 .005012 .201 .005010 .303 .181 .030050 .308 .254 .005010 .311 .142 .040070 .283 .241 .005010 .303 .191 .030050 <td></td>																		
283 .184 .005010 .291 .195 .005010 .298 .181 .030050 .302 .252 .005015 .308 .209 .005025 .311 .128 .066080 .283 .195 .020040 .291 .244 .015025 .298 .200 .005010 .303 .128 .005010 .308 .201 .015025 .311 .130 .005025 .283 .200 .010020 .291 .240 .005010 .298 .205 .005010 .303 .171 .020040 .301 .111 .130 .030050 .030 .921 .145 .025040 .299 .105 .303 .911 .025040 .090 .311 .147 .080010 .222 .146 .005040 .299 .116 .010020 .303 .197 .030050 .309 .031 .010020 .311 .147 .005015 .292 .148 .020 -																		
2.83 .190 .008015 .291 .232 .005010 .298 .193 .015025 .303 .114 .005010 .308 .209 .015025 .311 .130 .005028 2.83 .200 .010020 .291 .244 .015025 .298 .205 .005010 .298 .201 .005010 .303 .11 .020040 .308 .223 .010020 .311 .137 .030050 2.83 .216 .005010 .292 .114 .040060 .298 .241 .005010 .303 .181 .030050 .308 .254 .005010 .311 .142 .040070 .283 .218 .005010 .292 .148 .020040 .299 .145 .010030 .303 .191 .025040 .309 .070 .015025 .321 .155 .015050 .284 .025 .005010 .292 .148 .020 -																		
283 1.95 .020040 .291 .244 .015025 .298 .200 .005010 .303 .128 .005010 .308 .210 .005010 .291 .250 .005010 .303 .171 .020040 .308 .223 .010020 .311 .137 .030050 .005010 .303 .181 .030050 .308 .223 .010020 .311 .137 .030040 .005010 .303 .181 .030050 .308 .223 .010020 .311 .142 .040070 .283 .218 .005010 .292 .146 .005010 .299 .116 .010020 .303 .191 .030050 .309 .070 .015025 .311 .147 .080090 .283 .240 .005010 .292 .148 .020040 .299 .116 .010020 .303 .909 .007 .015025 .311 .150 .055050 .005 .025<																		
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.283 .218 .005025 .292 .146 .005010 .299 .116 .010020 .303 .197 .030050 .309 .070 .015025 .311 .155 .015050 .283 .240 .005010 .292 .148 .020040 .299 .145 .010030 .303 .198 .005010 .309 .094 .010020 .311 .159 .005025 .284 .095 .015025 .292 .165 .050060 .300 .045 .025040 .303 .220 .030050 .309 .147 .010020 .311 .160 .040050 .284 .119 .025040 .292 .171 .005010 .300 .056 .005010 .303 .255 .005010 .309 .160 .005030 .311 .167 .005015 .284 .125 .005016 .292 .192 .010015 .300 .065 .008																1		
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.284 .095 .015025 .292 .165 .050060 .300 .045 .025040 .303 .220 .030050 .309 .147 .010020 .311 .166 .040062 .284 .119 .025040 .292 .171 .005015 .300 .056 .005010 .303 .225 .005010 .309 .159 .005030 .311 .167 .005015 .284 .125 .005015 .292 .192 .010015 .300 .065 .008040 .303 .234 .005010 .309 .160 .005010 .311 .177 .005010 .284 .200 .010020 .292 .197 .040050 .300 .081 .005010 .303 .281 .005010 .300 .081 .005010 .303 .281 .005010 .300 .095 .010020 .304 .083 .025040 .309 .176 .020033																		
.284 .119 .025040 .292 .171 .005010 .300 .056 .005010 .303 .225 .005010 .309 .159 .005030 .311 .167 .005015 .284 .125 .005015 .292 .192 .010015 .300 .065 .008040 .303 .234 .005010 .309 .160 .005010 .311 .177 .005010 .284 .191 .010018 .292 .193 .020030 .300 .074 .005010 .303 .240 .020030 .309 .161 .040062 .311 .183 .042062 .284 .200 .010020 .292 .197 .040050 .300 .081 .005010 .303 .251 .010020 .309 .172 .020035 .311 .187 .025042 .284 .212 .005010 .292 .236 .005010 .300 .097 .016090 .304 .083 .025040 .309 .176 .020 .030 .311 .188 .005050 .285 .079 .005010 .293 .034 .015025 .300 .097 .016090 .304 .163 .010020 .309 .191 .030050 .311 .180 .005050 .285 .088 .005010 .293 .124 .010020 .300 .100 .005015 .304 .174 .005010 .309 .194 .025040 .311 .191 .008040 .285 .115 .015030 .293 .129 .005010 .300 .116 .020040 .304 .200 .010020 .309 .195 .050070 .311 .195 .005010 .285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030050 .309 .202 .030050 .311 .204 .005010 .285 .117 .010035 .293 .192 .040050 .300 .119 .005010 .304 .217 .030050 .309 .210 .010020 .311 .215 .005010 .285 .127 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .251 .015030 .311 .215 .005010 .285 .128 .010035 .293 .219 .005010 .300 .135 .005060 .304 .245 .015020 .309 .251 .015030 .311 .217 .020040 .285 .131 .005010 .294 .086 .015030 .300 .138 .020060 .305 .304 .245 .015020 .309 .251 .015030 .311 .219 .025040 .285 .147 .030050 .309 .251 .015030 .311 .238 .005010 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .305 .125 .005010 .300 .005 .310 .006 .010025 .312 .035 .005010 .300 .014 .005012 .305 .305 .305 .300 .005 .305 .305 .305																		
.284 .125 .005015 .292 .192 .010015 .300 .065 .008040 .303 .234 .005010 .309 .160 .005010 .311 .177 .005010 .284 .191 .010018 .292 .193 .020030 .300 .081 .005010 .303 .240 .020030 .309 .161 .040062 .311 .183 .042062 .284 .200 .010020 .292 .197 .040050 .300 .095 .010020 .309 .172 .020035 .311 .187 .025042 .284 .212 .005010 .292 .236 .005010 .095 .010020 .304 .083 .025040 .309 .176 .020035 .311 .188 .005050 .285 .079 .005010 .293 .124 .010025 .300 .097 .016090 .304 .174 .005010 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																		
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.284 .200 .010020 .292 .197 .040050 .300 .081 .005010 .303 .251 .010020 .309 .172 .020035 .311 .187 .025042 .284 .212 .005010 .292 .236 .005010 .300 .095 .010020 .304 .083 .025040 .309 .176 .020030 .311 .188 .005050 .285 .079 .005010 .293 .034 .015025 .300 .097 .016090 .304 .163 .010020 .309 .191 .030050 .311 .190 .015030 .285 .107 .020032 .293 .124 .010020 .300 .100 .005015 .304 .174 .005010 .309 .194 .025040 .311 .191 .008040 .285 .115 .015030 .293 .147 .005010 .300 .117 .025																		
.284 .212 .005010 .292 .236 .005010 .300 .095 .010020 .304 .083 .025040 .309 .176 .020030 .311 .188 .005050 .285 .079 .005010 .293 .034 .015025 .300 .097 .016090 .304 .163 .010020 .309 .191 .030050 .311 .190 .015030 .285 .088 .005010 .293 .124 .010020 .300 .174 .005010 .309 .194 .025040 .311 .191 .008040 .285 .115 .015030 .293 .147 .005010 .300 .116 .020040 .304 .200 .010020 .309 .195 .050070 .311 .195 .005010 .285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030																1		
.285 .079 .005010 .293 .034 .015025 .300 .097 .016090 .304 .163 .010020 .309 .191 .030050 .311 .190 .015030 .285 .088 .005010 .293 .124 .010020 .300 .100 .005015 .304 .174 .005010 .309 .194 .025040 .311 .191 .008040 .285 .107 .020032 .293 .129 .005010 .300 .116 .020040 .304 .200 .010020 .309 .195 .050070 .311 .195 .005010 .285 .115 .015030 .293 .147 .005010 .300 .117 .025040 .304 .213 .010020 .309 .202 .030050 .311 .204 .005020 .285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030050 .309 .210 .010020 .311 .215 .005010 .285 .127 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .247 .005010 .311 .217 .020040 .285 .128 .010035 .293 .219 .005010 .300 .130 .030050 .304 .245 .015020 .309 .251 .015030 .311 .219 .020035 .285 .131 .005010 .294 .086 .015030 .300 .138 .020060 .304 .245 .015020 .309 .254 .010030 .311 .219 .020035 .285 .147 .030050 .294 .086 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .125 .005010 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
.285 .088 .005010 .293 .124 .010020 .300 .100 .005015 .304 .174 .005010 .309 .194 .025040 .311 .191 .008040 .285 .107 .020032 .293 .129 .005010 .300 .116 .020040 .304 .200 .010020 .309 .195 .050070 .311 .195 .005010 .285 .115 .015030 .293 .147 .005010 .300 .117 .025040 .304 .213 .010020 .309 .202 .030050 .311 .204 .005020 .285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030050 .309 .210 .010020 .311 .215 .005010 .285 .127 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .247 .005010 .311 .217 .020040 .285 .128 .010035 .293 .219 .005010 .300 .130 .030050 .304 .245 .015020 .309 .251 .015030 .311 .219 .020035 .285 .131 .005010 .294 .086 .015030 .300 .135 .005010 .304 .250 .020030 .309 .254 .010030 .311 .219 .020035 .285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
.285 .107 .020032 .293 .129 .005010 .300 .116 .020040 .304 .200 .010020 .309 .195 .050070 .311 .195 .005010 .285 .115 .015030 .293 .147 .005010 .300 .117 .025040 .304 .213 .010020 .309 .202 .030050 .311 .204 .005020 .285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030050 .309 .210 .010020 .311 .215 .005010 .285 .128 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .247 .005010 .311 .217 .020040 .285 .131 .005010 .294 .086 .015030 .300 .135 .005010 .304 .250 .020030 .309 .251 .015030 .311 .219 .020035 .285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .035 .035 .035 .035 .105 .015030 .310 .047 .025035 .312 .045 .025035 .312 .035 .035 .035 .035 .035 .105 .015030 .310 .060 .010025 .312 .045 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .025035 .312 .035 .035 .035 .035 .035 .035 .035 .035																		
.285 .115 .015030 .293 .147 .005010 .300 .117 .025040 .304 .213 .010020 .309 .202 .030050 .311 .204 .005020 .285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030050 .309 .210 .010020 .311 .215 .005010 .285 .127 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .247 .005010 .311 .217 .020040 .285 .128 .010035 .293 .219 .005010 .300 .130 .030050 .304 .245 .015020 .309 .251 .015030 .311 .217 .020035 .285 .131 .005010 .294 .086 .015030 .300 .135 .005																		
.285 .117 .010020 .293 .188 .030050 .300 .119 .005010 .304 .217 .030050 .309 .210 .010020 .311 .215 .005010 .285 .127 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .247 .005010 .311 .217 .020040 .285 .128 .010035 .293 .219 .005010 .300 .130 .030050 .304 .245 .015020 .309 .251 .015030 .311 .219 .020035 .285 .131 .005010 .294 .086 .015030 .300 .135 .005010 .304 .250 .020030 .309 .254 .010030 .311 .231 .025040 .285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .231 .025040 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
.285 .127 .010035 .293 .192 .040050 .300 .128 .005060 .304 .241 .010020 .309 .247 .005010 .311 .217 .020040 .285 .128 .010035 .293 .219 .005010 .300 .130 .030050 .304 .245 .015020 .309 .251 .015030 .311 .219 .020035 .285 .131 .005010 .294 .086 .015030 .300 .135 .005010 .304 .250 .020030 .309 .254 .010030 .311 .231 .025040 .285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035																1		
.285 .128 .010035 .293 .219 .005010 .300 .130 .030050 .304 .245 .015020 .309 .251 .015030 .311 .219 .020035 .285 .131 .005010 .294 .086 .015030 .300 .135 .005010 .304 .250 .020030 .309 .254 .010030 .311 .231 .025040 .285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .144 .005012 .305 .125 .005010 .310 .060 .010025																1		
.285 .131 .005010 .294 .086 .015030 .300 .135 .005010 .304 .250 .020030 .309 .254 .010030 .311 .231 .025040 .285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
.285 .147 .030050 .294 .089 .015030 .300 .138 .020060 .305 .087 .025040 .309 .255 .015030 .311 .238 .005010 .285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
.285 .161 .005010 .294 .122 .015030 .300 .144 .015030 .305 .105 .030050 .310 .047 .025035 .312 .039 .005012 .285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
.285 .165 .015030 .294 .126 .015030 .300 .145 .005012 .305 .125 .005010 .310 .060 .010025 .312 .045 .025035																		
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O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
.312	.062	.015030	.313	.140	.020060	.316	.124	.060075	.323	.130	.025042	.329	.221	.005010	.336	.197	.005010
.312	.066	.010020	.313	.147	.030050	.316	.134	.005010	.323	.160	.025042	.329	.245	.020040	.336	.218	.005010
.312	.072	.005010	.313	.151	.005010	.316	.138	.020040	.323	.166	.020030	.329	.253	.005010	.336	.230	.010020
.312	.073	.015025	.313	.156	.040050	.316	.140	.005010	.323	.171	.015030	.329	.288	.005010	.336	.257	.020040
.312	.090	.025050	.313	.157	.005010	.316	.153	.005010	.323	.180	.042090	.330	.093	.005010	.336	.270	.005010
.312	.093	.005062	.313	.158	.015030	.316	.157	.005010	.323	.196	.005010	.330	.124	.020032	.336	.275	.005010
.312	.094	.020030	.313	.160	.006030	.316	.167	.005010	.323	.200	.020032	.330	.140	.042062	.336	.306	.005010
.312	.095	.032042	.313	.162	.005010	.316	.180	.020030	.323	.211	.020030	.330	.143	.020040	.337	.129	.005012
.312	.096	.015025	.313	.170	.040070	.316	.198	.010020	.323	.213	.005010	.330	.151	.020040	.337	.165	.015025
.312	.098	.060070	.313	.173	.025050	.316	.199	.030050	.323	.223	.005010	.330	.193	.005010	.337	.182	.005010
.312 .312	.099 .100	.010020 .050060	.313 .313	.179 .185	.005025 .005010	.316 .316	.200 .201	.005010 .005050	.324	.035 .099	.005010 .005010	.330	.205 .206	.040060 .005015	.337 .337	.252 .253	.020030 .005010
.312	.104	.005008	.313	.187	.005010	.316	.207	.005010	.324	.126	.020040	.330	.217	.005010	.337	.277	.015030
.312	.105	.015025	.313	.190	.010015	.316	.209	.005010	.324	.145	.010020	.330	.229	.025040	.337	.285	.015030
.312	.112	.010020	.313	.200	.010020	.316	.239	.005010	.324	.162	.060080	.330	.250	.005010	.338	.115	.005010
.312	.116	.005010	.313	.206	.030050	.316	.252	.005010	.324	.165	.060080	.330	.251	.005020	.338	.168	.072090
.312	.122	.015030	.313	.207	.020040	.316	.255	.006010	.324	.190	.005010	.330	.253	.020040	.338	.170	.010030
.312	.126	.005090	.313	.208	.005010	.317	.095	.008020	.324	.200	.010020	.330	.257	.020036	.338	.201	.050060
.312	.127	.010020	.313	.224	.020040	.317	.100	.006030	.324	.204	.040060	.330	.261	.005010	.338	.238	.005010
.312	.128	.020040	.313	.230	.005015	.317	.114	.005010	.324	.206	.040060	.331	.067	.010025	.338	.251	.015030
.312	.129	.010030	.313	.232	.005015	.317	.132	.005010	.324	.207	.020030	.331	.124	.020030	.338	.253	.010020 .010020
.312 .312	.130 .132	.010015	.313 .313	.242 .253	.005010	.317 .317	.148 .179	.050070 .005010	.324	.242 .254	.025042 .005010	.331	.129 .140	.005010 .030050	.339	.150 .151	.010020
.312	.134	.010025	.313	.255	.020030	.317	.205	.010020	.325	.118	.005010	.331	.158	.005010	.339	.157	.005010
.312	.139	.005008	.314	.039	.010020	.317	.229	.005010	.325	.125	.015025	.331	.161	.020040	.339	.176	.020040
.312	.142	.006030	.314	.043	.005010	.317	.240	.025035	.325	.130	.015025	.331	.167	.020030	.339	.206	.005010
.312	.143	.005012	.314	.060	.005010	.317	.281	.005010	.325	.134	.005010	.331	.196	.005010	.339	.223	.005010
.312	.144	.005020	.314	.088	.015035	.318	.094	.005010	.325	.140	.040060	.331	.198	.015030	.340	.085	.015030
.312	.146	.008016	.314	.103	.025045	.318	.097	.005010	.325	.142	.008018	.331	.200	.040060	.340	.150	.015025
.312	.148	.040060	.314	.111	.010025	.318	.125	.010020	.325	.164	.015030	.331	.236	.015030	.340	.158	.020040
.312	.154	.020040	.314	.114	.032030	.318	.132	.010020	.325	.169 .200	.005010	.331	.25 <i>1</i> .254	.020030	.340	.164 .189	.030060
.312	.156	.016080	.314	.128	.025046	.318	.159	.020040	.325	.235	.005030	.331	.279	.005010	.340	.190	.005010
.312	.157	.005035	.314	.139	.040060	.318	.166	.020040	.325	.236	.025040	.332	.164	.005010	.340	.191	.025050
.312	.158	.005020	.314	.147	.015030	.318	.174	.015030	.325	.244	.015025	.332	.175	.050075	.340	.194	.005010
.312	.160	.040060	.314	.148	.025062	.318	.191	.010020	.325	.254	.015025	.332	.192	.016030	.340	.196	.020040
.312	.165	.020040	.314	.152	.035050	.318	.198	.030060	.325	.256	.005010	.332	.203	.010020	.340	.197	.005035
.312	.167	.015025	.314	.158	.060080	.318	.228	.008016	.326	.138	.005010	.332	.213	.005008	.340	.204	.036050
.312	.171	.040060	.314	.161	.040060	.318	.237	.005010	.326	.150	.030050	.332	.236	.005030	.340	.207	.030050
.312	.172	.020030	.314	.162	.040060	.319	.140	.015030	.326	.180	.005010	.333	.123	.020080	.340	.210	.030050
.312 .312	.173 .182	.005010 .010020	.314 .314	.176 .189	.030050 .015032	.319 .319	.146 .178	.020030 .005010	.326 .326	.181 .189	.005010 .050070	.333	.173 .175	.032048 .020050	.340 .340	.212 .222	.020040 .025062
.312	.188	.020040	.314	.219	.030050	.319	.228	.010020	.326	.196	.005010	.333	.212	.020036	.340	.233	.050060
.312	.189	.005062	.314	.220	.015030	.320	.061	.005010	.326	.256	.005010	.333	.225	.010020	.340	.240	.030050
.312	.190	.005030	.314	.225	.015025	.320	.067	.030042	.327	.113	.025042	.333	.257	.015025	.340	.257	.005020
.312	.191	.008020	.314	.230	.005010	.320	.078	.005010	.327	.120	.025040	.334	.039	.015025	.340	.283	.015025
.312	.192	.005040	.314	.236	.005010	.320	.084	.030040	.327	.130	.030050	.334	.040	.005010	.341	.052	.025040
.312	.193	.005010	.314	.242	.010020	.320	.093	.042060	.327	.190	.030050	.334	.046	.005010	.341	.061	.005010
.312	.194	.025040	.314	.256	.010020	.320	.113	.005010	.327	.194	.010020	.334	.122	.005010	.341	.090	.060080 .020040
.312	.195	.020035 .005020	.315 .315	.025	.006010	.320	.122	.015030	.327	.200	.005010	.334	.127	.005010	.341	.093	.020040
.312	.200	.040060	.315	.068	.010020	.320	.131	.005010	.327	.217	.030050	.334	.196	.005010	.341	.131	.070090
.312	.204	.005050	.315	.087	.020040	.320	.145	.025042	.327	.250	.050060	.334	.197	.032048	.341	.141	.080090
.312	.206	.010020	.315	.092	.045065	.320	.146	.015030	.327	.258	.010025	.334	.218	.015030	.341	.158	.025040
.312	.208	.005010	.315	.095	.032062	.320	.149	.005010	.327	.262	.005010	.334	.220	.005050	.341	.161	.015035
.312	.216	.010020	.315	.097	.005030	.320	.170	.015025	.328	.105	.005010	.334	.226	.025040	.341	.164	.010025
.312	.219	.015030	.315	.124	.050060	.320	.178	.010020	.328	.162	.040060	.334	.242	.010020	.341	.202	.015030
.312	.221	.005010	.315	.127	.050070	.320	.182	.050070	.328	.175	.030050	.334	.258	.020030	.341	.281	.025035
.312 .312	.223 .227	.005042 .030042	.315 .315	.129 .138	.030050	.320 .320	.221 .221	.015030 .040062	.328 .328	.177 .179	.005010 .015030	.334	.260 .275	.005010 .005010	.342 .342	.092 .118	.005020 .032048
.312	.228	.030042	.315	.140	.020040	.321	.062	.005010	.328	.179	.030050	.334	.275	.010015	.342	.145	.005008
.312	.231	.025040	.315	.147	.020030	.321	.077	.020030	.328	.197	.025040	.335	.034	.010020	.342	.156	.005010
.312	.251	.005010	.315	.157	.005015	.321	.120	.080100	.328	.200	.005015	.335	.129	.015025	.342	.162	.030050
.312	.252	.025042	.315	.160	.005010	.321	.135	.020035	.328	.214	.010032	.335	.159	.060075	.342	.164	.015030
.312	.254	.015030	.315	.162	.020030	.321	.147	.010020	.328	.219	.030050	.335	.169	.015030	.342	.193	.005050
.313	.062	.005010	.315	.163	.005010	.321	.203	.005010	.328	.222	.010025	.335	.172	.010020	.342	.198	.015030
.313	.082	.005010	.315	.167	.020040	.321	.226	.010020	.328	.225	.005040	.335	.196	.025040	.342	.201	.025040
.313	.096	.075090	.315	.170	.020040	.321	.253	.020030	.328	.245	.007016	.335	.200	.020040	.342	.206	.015030
.313 .313	.100 .101	.008042 .040060	.315 .315	.181 .190	.005010 .005010	.322 .322	.050 .128	.005010 .010020	.328 .328	.252 .253	.020031 .005010	.335	.204 .215	.005040 .030050	.342 .342	.212 .255	.015025 .020030
.313	.105	.008020	.315	.195	.040060	.322	.145	.015030	.328	.256	.010020	.335	.235	.010020	.343	.062	.050070
.313	.110	.008015	.315	.223	.030050	.322	.206	.005010	.328	.260	.020040	.335	.257	.010030	.343	.087	.030050
.313	.120	.005010	.315	.224	.005010	.322	.224	.010020	.328	.273	.005010	.335	.258	.005010	.343	.088	.060075
.313	.123	.050070	.315	.237	.005010	.322	.228	.025040	.329	.030	.010020	.335	.259	.005015	.343	.092	.005010
.313	.126	.020040	.315	.238	.010020	.322	.241	.010020	.329	.100	.025040	.336	.045	.005010	.343	.094	.025060
.313	.129	.005010	.315	.240	.005010	.322	.242	.025040	.329	.108	.005010	.336	.048	.005010	.343	.097	.010020
.313	.130	.025040	.315	.244	.020035	.322	.287	.010020	.329	.111	.010020	.336	.117	.040060	.343	.110	.025040
	400					.323	.094	.010020	.329	.132	.005010	.336	.118	.040060	.343	.116	.015030
.313	.133	.015030	.315	.250	.005020												
.313 .313 .313	.133 .135 .138	.015030 .030050 .025040	.315 .316 .316	.250 .098 .105	.005020	.323	.099	.020040	.329	.206	.005010	.336	.138	.005048 .030050	.343 .343	.134 .138	.007016

									3 IVIL		WASHEN			ANDI	OIVIDL		
O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any
O.D.	I.D.	Thickness* From To	O.D.	1.D.	Thickness* From To	O.D.	1.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	1.D.	From To	U.D.	1.D.	Thickness* From To
.343	.161	.005008	.348	.266	.015030	.353	.232	.020040	.359	.190	.020040	.365	.254	.005010	.370	.146	.025048
.343	.167	.010020	.349	.123	.010020	.353	.237	.005010	.359	.195	.030050	.365	.255	.015025	.370	.148	.005010
.343	.193	.005060	.349	.171	.015030	.353	.242	.015025	.359	.204	.010025	.365	.257	.015030	.370	.158	.010020
.343	.194	.060078	.349	.176	.010015	.353	.254	.005010	.359	.210	.025042	.365	.265	.042062	.370	.159	.035060
.343	.195	.006070	.349	.191	.035050	.353	.281	.005010	.359	.221	.025040	.365	.268	.005010	.370	.160	.070080
.343	.196	.010020	.349	.192	.015030	.354	.048	.005010	.359	.240	.005010	.365	.270	.020040	.370	.171	.005020
.343	.197	.025040	.349	.197	.020030	.354	.052	.030050	.359	.257	.010020	.365	.307	.005010	.370	.173	.020040
.343	.217	.040050	.349	.220	.015030	.354	.061	.015025	.359	.258	.020040	.365	.312	.005020	.370	.180	.020030
.343	.219	.032050	.349	.252	.015030	.354	.070	.015025	.359	.260	.031042	.365	.315	.005010	.370	.189	.020040
.343	.225	.020030	.349	.285	.020030	.354	.099	.010020	.359	.267	.020032	.366	.077	.005010	.370	.191	.005010
.343	.229	.005010	.349	.290	.005010	.354	.114	.060080	.359	.284	.010020	.366	.129	.015025	.370	.196	.010020
.343	.230	.025035	.349	.297	.005010	.354	.119	.040060	.359	.293	.005015	.366	.158	.015030	.370	.199	.015025
.343	.245	.005010	.350	.060	.005010	.354	.125	.005070	.360	.038	.005010	.366	.190	.040060	.370	.202	.060080
.343	.261	.010020	.350	.089	.005010	.354	.128	.025040	.360	.080	.005010	.366	.206	.005020	.370	.205	.005010
.343	.274	.020040	.350	.090	.005010	.354	.144	.030050	.360	.095	.005010	.366	.218	.016032	.370	.206	.025040
.344	.102	.005010	.350	.121	.010020	.354	.145	.020040	.360	.102	.015030	.366	.219	.015030	.370	.211	.060080
.344	.152	.025045	.350	.122	.005010	.354	.147	.020035	.360	.115	.030040	.366	.225	.020040	.370	.212	.040050
.344	.165	.015030	.350	.125	.090110	.354	.152	.060080	.360	.126	.005010	.366	.241	.020040	.370	.218	.040060
.344	.167	.015025	.350	.154	.005010	.354	.161	.010020	.360	.136	.005020	.366	.253	.005015	.370	.220	.015030
.344	.172	.035050	.350	.160	.020040	.354	.162	.010020	.360	.164	.020032	.366	.254	.005030	.370	.252	.005010
.344	.184	.025040	.350	.167	.015030	.354	.178	.010020	.360	.171	.025040	.366	.268	.030050	.370	.254	.020040
.344	.189	.015025	.350	.168	.030050	.354	.201	.005010	.360	.175	.005020	.366	.272	.025035	.370	.256	.015030
.344	.190	.005008	.350	.171	.005010	.354	.204	.010060	.360	.177	.050070	.366	.274	.010020	.370	.261	.005010
.344	.196	.020060	.350	.178	.060080	.354	.226	.005010	.360	.185	.005010	.366	.294	.005012	.370	.269	.040060
.344	.252	.025040	.350	.181	.025040	.354	.237	.010020	.360	.186	.040060	.366	.305	.016025	.370	.300	.020030
.344	.267	.025040	.350	.194	.005010	.354	.238	.005040	.360	.188	.015030	.366	.312	.015025	.370	.330	.005010
.344	.290	.010020	.350	.195	.060080	.354	.245	.005010	.360	.190	.030050	.367	.098	.030050	.371	.099	.020040
.344	.291	.005010	.350	.203	.032042	.354	.279	.005010	.360	.192	.060090	.367	.105	.015025	.371	.129	.050070
.345	.043	.005010	.350	.213	.020030	.354	.315	.005010	.360	.193	.005015	.367	.125	.090125	.371	.130	.050075
.345	.125	.020032	.350	.223	.010020	.355	.070	.015030	.360	.203	.030042	.367	.176	.050062	.371	.131	.020030
.345	.132	.032048	.350	.231	.015030	.355	.083	.030050	.360	.207	.050062	.367	.186	.005010	.371	.150	.005010
.345	.135	.032048	.350	.245	.040050	.355	.103	.070080	.360	.230	.010020	.367	.258	.050060	.371	.176	.005010
.345	.150	.030042	.350	.252	.005020	.355	.131	.050078	.360	.245	.005010	.367	.260	.015030	.371	.184	.010020
.345	.159	.005010	.350	.253	.005010	.355	.158	.025042	.360	.260	.025042	.367	.264	.005010	.371	.195	.050070
.345	.170	.005010	.350	.255	.025040	.355	.159	.040060	.360	.277	.005010	.367	.272	.020040	.371	.201	.040060
.345	.189	.005010	.350	.262	.005010	.355	.160	.040060	.360	.312	.015025	.367	.273	.005010	.371	.206	.060083
.345	.192	.005075	.350	.276	.025040	.355	.175	.040060	.361	.215	.030050	.368	.061	.005010	.371	.222	.030050
.345	.193	.025060	.350	.291	.020045	.355	.185	.005010	.361	.243	.025040	.368	.063	.005010	.371	.233	.005010
.345	.198	.040060	.351	.064	.005010	.355	.198	.030050	.361	.281	.005010	.368	.080	.020030	.371	.245	.050075
.345	.205	.005010	.351	.091	.030050	.355	.201	.020040	.361	.296	.005010	.368	.122	.025042	.371	.250	.005032
.345	.216	.005010	.351	.094	.005010	.355	.226	.008016	.362	.121	.005010	.368	.124	.040050	.371	.252	.035050
.345	.223	.010050	.351	.097	.005010	.355	.230	.005010	.362	.143	.015030	.368	.154	.005010	.371	.253	.015030
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.345	.252	.010020	.351	.145	.005010	.355	.255	.010020	.362	.221	.010020	.368	.168	.025040	.371	.256	.005010
.345	.276	.015030	.351	.166	.008015	.355	.260	.030040	.362	.235	.040060	.368	.193	.020040	.371	.260	.005020
.345	.277	.005010	.351	.171	.005015	.355	.281	.015025	.362	.247	.015030	.368	.194	.050070	.371	.262	.040050
.346	.044	.015030	.351	.184	.005010	.355	.282	.005025	.362	.257	.030050	.368	.195	.070090	.371	.269	.005010
.346	.046	.025040	.351	.200	.025050	.356	.111	.025040	.362	.267	.025040	.368	.199	.015050	.371	.281	.020030
.346	.084	.030050	.351	.201	.020030	.356	.154	.015030	.362	.283	.005010	.368	.223	.060080	.371	.283	.010020
.346	.116	.005010	.351	.208	.030060	.356	.198	.030060	.363	.152	.005010	.368	.226	.007015	.371	.314	.005010
.346	.128	.050070	.351	.222	.005010	.356	.250	.050070	.363	.180	.050070	.368	.256	.005010	.372	.060	.010020
.346	.143	.040060	.351	.230	.040060	.356	.255	.005010	.363	.191	.008016	.368	.257	.020040	.372	.071	.020040
.346	.149	.075090	.351	.241	.020040	.356	.282	.025040	.363	.192	.020040	.368	.263	.005010	.372	.083	.040060
.346	.152	.005010	.351	.252	.010020	.357	.085	.005010	.363	.254	.010040	.368	.265	.005030	.372	.003	.040060
.346	.158	.005010	.351	.268	.020030	.357	.003	.005012	.363	.255	.010020	.368	.284	.005030	.372	.099	.020040
.346	.163	.005025	.351	.309	.010020	.357	.142	.020040	.363	.259	.010020	.368	.287	.020040	.372	.106	.025040
.346	.166	.005010	.352	.031	.010020	.357	.150	.030050	.363	.286	.025036	.368	.298	.005010	.372	.124	.005010
.346	.172	.040090	.352	.090	.010015	.357	.173	.070090	.363	.314	.005010	.368	.323	.005010	.372	.153	.025042
.346	.180	.005010	.352	.129	.020030	.357	.191	.060080	.364	.120	.020040	.369	.084	.030040	.372	.158	.025042
.346	.196	.005010	.352	.167	.030050	.357	.195	.060080	.364	.151	.090110	.369	.117	.015030	.372	.162	.020040
.346	.207	.030060	.352	.168	.008020	.357	.260	.040050	.364	.181	.010020	.369	.177	.050070	.372	.164	.015030
.346	.210	.040060	.352	.184	.015030	.357	.303	.010020	.364	.205	.015030	.369	.181	.040060	.372	.174	.025040
.346	.216	.020030	.352	.191	.035050	.357	.318	.005010	.364	.210	.005015	.369	.190	.005015	.372	.177	.060080
.346	.219	.010020	.352	.236	.030050	.358	.126	.025040	.364	.258	.015030	.369	.194	.005010	.372	.179	.015030
.346	.253	.010020	.352	.240	.040060	.358	.127	.025040	.365	.046	.010020	.369	.197	.005010	.372	.180	.015030
.346	.289	.005010	.352	.254	.005010	.358	.164	.020040	.365	.062	.010020	.369	.205	.005010	.372	.196	.062080
.347	.157	.020030	.352	.255	.030050	.358	.170	.020040	.365	.002	.020040	.369	.208	.005010	.372	.190	.002000
.347	.174	.030050	.352	.263	.010020	.358	.178	.030050	.365	.146	.050070	.369	.215	.025040	.372	.202	.015030
.347	.203	.025040	.353	.062	.010020	.358	.203	.005010	.365	.178	.005010	.369	.224	.005020	.372	.202	.030050
.347	.203	.025040	.353	.128	.020040	.358	.203	.020030	.365	.176	.020040	.369	.257	.050070	.372	.204	.030030
.347	.234	.040060	.353		.020040	.358		.020030	.365	.189	.020040	.369	.313	.005010	.372	.221	.050075
.347	.253	.040060	.353	.143 157	.020075	.358	.213 .238	.005010	.365	.193	.007015	.369	.324	.005010	.372	.230	.015030
.347		.016025		.157	.015030	.358				.200		.369			.372	.230	.050070
	.256		.353	.158			.252	.005010	.365		.005010		.034	.020025			
.347	.263	.005010	.353	.159	.030050	.358	.257	.010020	.365	.201	.030040	.370	.088	.010025	.372	.253	.010020 .010060
.347	.287	.005010	.353	.172	.025040	.359	.069	.030050	.365	.208	.020040	.370	.101	.005020	.372	.254	
.348	.168	.020040	.353	.178	.005010	.359	.127	.025040	.365	.212	.050070	.370	.110	.025040	.372	.255	.005010
.348	.172	.005010	.353	.190	.015030	.359	.137	.010020	.365	.226	.005010	.370	.119	.005010	.372	.256	.005015
.348	.173	.010042	.353	.225	.032050	.359	.158	.010020	.365	.247	.050070	.370	.125	.005060	.372	.257	.020030
.348	.174	.005010	.353	.226	.020042	.359	.159	.020035	.365	.250	.005020	.370	.126	.005010	.372	.258	.040050
.348	.225	.025042	.353	.227	.005010	.359	.160	.040060	.365	.253	.025040	.370	.140	.010042	.372	.272	.005010

372 378 105 105 375 121 101		JIZL		ANTOF	_	Aliu	LING CIT	, , ,	- 110									
372 278		I.D.	O.D.	Thickness*	I.D.	O.D.	Thickness*	I.D.	O.D.	Thickness*	I.D.	O.D.	Thickness*	I.D.	O.D.		I.D.	O.D.
372 311 015-030 375 122 000-07 376 130 022-040 377 315 001-020 375 120 010-020 376 130 002-010 389 372 315 000-010 375 120 010-020 376 103 002-010 381 255 015-030 390 373 030 0375 011 1010-020 375 112 000-000 376 1070 000-000 376 1070 000-000 376 1070 000-000 376 1070 000-000 378 1070 000-001 381 200 000-000 373 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 000-000 378 1010 <td>From To 223 .012020</td> <td>.223</td> <td>380</td> <td></td> <td>200</td> <td>381</td> <td></td> <td>276</td> <td>377</td> <td></td> <td>126</td> <td>376</td> <td></td> <td>101</td> <td>375</td> <td></td> <td>278</td> <td>372</td>	From To 223 .012020	.223	380		200	381		276	377		126	376		101	375		278	372
372 315 005 - 108 375 128 101 - 0.07 376 161 000 - 000 378 061 001 - 000 389 373 039 025 - 038 375 129 005 - 030 376 166 010 - 020 376 168 005 - 070 378 104 011 - 020 375 108 005 - 000 376 168 005 - 070 378 108 010 - 020 375 108 005 - 000 376 168 005 - 070 378 130 010 - 020 375 108 005 - 070 378 168 005 - 070 378 130 010 - 020 300 300 300 373 131 010 - 020 373 141 005 - 000 376 168 005 - 000 376 178 179 005 - 000 380 373 165 005 - 000 376 178 179 000 300 373 161 005 - 000 376 174 075 - 000 378 174 005 -		.227																
372 315 009-101 375 129 010-102 376 168 010-102 378 004 010-203 381 255 015-030 390 373 008 101-000 375 132 008 009 036 376 168 000-010 376 117 000-010 381 290 005-010 381 290 005-010 380 380 000-010 380 381 200 000-010 380 381 200 000-010 380 381 200 000-010 380 381 200 000-010 380 381 381 200 000-010 380 382 383 381 380 000-010 381 380 382 383 383 382 383<		.276																
373 049 0285 0395 375 110 000 030 390 </td <td></td> <td>.038</td> <td></td>		.038																
373 088 015 - 0.09 375 135 050 - 002 376 149 005 - 0.07 378 140 0.01 - 0.02 381 294 005 - 0.010 390 002 - 0.035 393 373 1.42 0.06 - 0.015 375 1.43 0.05 - 0.010 376 1.61 0.05 - 0.010 378 1.64 0.05 - 0.010 300 0.02 - 0.03 390 373 1.42 0.05 - 0.010 376 1.61 0.05 - 0.010 378 1.64 0.05 - 0.010 300 0.05 - 0.010 381 315 0.02 - 0.003 373 1.75 0.05 - 0.010 381 318 0.05 - 0.010 380 0.05 300 373 1.61 0.05 - 0.010 373 1.61 0.05 - 0.010 373 1.75 0.05 - 0.010 373 1.75 0.05 - 0.010 373 1.75 0.05 - 0.010 373 1.75 0.05 - 0.010 373 1.75 0.05 - 0.010 373 1.75 0.05 - 0.010 300 0.05 - 0.010 373	039 .005010	.039	.390	.015030	.260	.381		.064	.378	.010090	.157	.376	.005036	.129	.375		.039	.373
373 191 0.00 0.00 375 115 0.00 0.00 381 300 0.00 0.35 39 373 112 0.00 0.05 375 1.14 0.05 .04 .05 .04 .05 .04 .05 .04 .05 .04 .05 .04 .05 .00 .03 .05 .00 .03 .05 .00 .03 .03 .05 .00 .03 .05 .00 .00 .03 .00 .00 .03 .00	077 .010020	.077	.390	.005010	.290	.381	.005010	.127	.378	.050070	.158	.376	.080090	.132	.375	.010020	.041	.373
373 142 0.05 - 0.15 375 143 0.75 - 0.80 376 161 0.05 - 0.05 378 164 0.10 - 0.00 381 315 0.02 - 0.06 382 0.05 - 0.01 378 17 0.02 - 0.00 375 1.45 0.02 - 0.00 375 1.46 0.05 - 0.00 376 1.72 0.05 - 0.00 378 1.76 0.05 - 0.01 382 1.63 0.05 - 0.00 380 1.00 0.05 0.00 376 1.77 0.00 0.05 0.05 0.01 382 1.63 0.05 0.03 373 1.03 0.05 0.05 0.03 387 1.02 0.05 0.00 380 1.03 0.00 380 1.00 0.00 380 1.00 0.00 380 1.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 3.00 0.00 0.00 0.00 3.00 0.00 0.00 0.00 3.00 0.00		.087		.005010	.294	.381		.130	.378	.050075	.159	.376	.050062	.133	.375		.068	.373
373 142 062 078 375 144 005 040 376 169 005 010 378 171 032 050 382 132 025 040 336 330 330 337 318 005 010 332 132 025 040 336 174 075 090 378 200 010 020 382 175 015 030 030 393 373 189 005 010 375 148 030 050 036 376 177 020 035 378 200 010 020 382 175 015 030 390 373 318 005 010 375 148 030 050 0376 177 020 038 378 202 015 030 382 132 025 030 390 373 373 188 010 020 0375 150 020 010 376 188 060 030 378 215 020 030 030 378 215 030 050 376 187 030 050 378 215 020 030 030 373 373 383 030 050 375 156 0305 050 0376 187 030 050 378 255 010 050 038 220 040 050 030 373 373 383 030 050 375 156 0305 050 376 187 030 050 378 255 070 030 038 222 040 030 030 0373 187 030 050 375 156 0305 050 376 187 030 050 378 255 070 030 038 222 070 030 050 376 187 030 050 0378 255 070 03		.129																
373 195 020 - 040 375 147 030 - 050 376 177 050 - 050 376 177 020 - 030 378 200 010 - 020 382 175 015 030 390 390 390 391 373 168 005 - 016 375 147 030 - 050 376 177 020 - 035 378 202 015 - 030 382 189 050 - 072 390 373 168 005 - 010 375 150 020 - 105 376 182 010 - 020 378 220 015 - 030 382 189 050 - 072 390 373 174 005 - 010 375 150 020 - 105 376 182 010 - 020 378 241 005 - 010 376 180 050 - 078 373 174 005 - 010 375 150 020 - 105 376 187 090 - 050 378 282 010 - 020 382 199 030 - 050 390 373 373 174 005 - 010 375 153 005 - 050 376 187 090 - 050 378 282 010 - 050 382 220 40 005 - 010 380 373 198 000 - 050 375 156 005 - 010 376 189 005 - 020 378 285 015 - 025 382 207 030 - 050 383 373 198 000 - 050 375 156 005 - 010 376 189 005 - 020 378 285 015 - 025 382 227 030 - 050 390 390 373 192 010 - 050 375 156 005 - 010 376 189 020 - 050 378 285 015 - 025 382 227 030 - 050 390 390 393 373 192 010 - 050 375 161 020 - 040 376 189 030 - 050 378 289 005 - 010 382 225 030 - 050 390 390 390 390 390 390 390 390 390 39		.145																
373 159 0.020 - 0.40 375 147 0.90 - 0.905 376 174 0.75 - 0.900 378 200 0.11 - 0.200 .382 175 0.15 - 0.300 .393 373 168 0.10 - 0.200 .375 1.15 0.020 - 1.100 .376 1.80 0.00 - 0.000 .382 1.95 0.05 - 0.10 .396 1.82 0.10 - 0.02 .378 .244 .005 - 0.10 .382 1.95 .005 - 0.00 .390 .382 .200 .005 .005 .000 .390 .390 .382 .200 .000 .382 .200 .000 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390 .390<		.157																
373 166 005 - 015 375 160 020 - 105 376 177 020 - 025 378 202 015 - 030 382 189 050 - 072 390 373 160 005 - 010 375 150 020 - 105 376 1882 010 - 020 378 240 005 - 101 332 195 005 - 010 390 373 174 005 - 010 375 153 005 - 050 376 187 050 - 050 378 252 102 - 030 382 199 030 - 050 390 393 373 189 030 - 050 375 153 005 - 050 376 187 030 - 050 378 252 101 - 050 382 207 030 - 050 393 373 198 030 - 050 375 158 005 - 010 376 189 005 - 020 378 250 015 - 050 382 207 030 - 050 390 393 373 192 010 - 050 375 161 020 - 040 376 191 040 - 050 378 252 015 - 050 382 252 030 - 050 390 390 393 373 192 010 - 050 375 161 020 - 040 376 191 040 - 050 378 259 015 - 050 382 252 030 - 050 390 390 393 373 195 005 - 050 375 161 020 - 040 376 191 040 - 050 378 259 015 - 050 382 252 030 - 050 390 390 393 373 195 005 - 050 375 161 020 - 040 376 199 020 - 050 378 259 015 - 050 382 252 030 - 050 390 390 390 390 390 390 390 390 390 39		.162 .169																
373 176 005 - 010 375 150 020 - 105 376 182 010 - 020 378 244 020 - 500 382 199 030 - 505 390 383 373 175 050 - 078 375 152 005 - 010 376 187 030 - 505 378 252 010 - 020 382 299 030 - 505 390 383 373 189 030 - 505 375 156 005 - 501 376 189 005 - 020 378 255 015 - 525 382 207 030 - 505 390 383 373 191 030 - 505 375 156 005 - 501 376 190 020 - 080 378 289 020 - 030 382 229 030 - 505 390 387 319 005 - 060 375 160 006 - 100 376 191 040 - 080 378 289 020 - 030 382 225 035 - 025 390 390 373 193 005 - 060 375 160 006 - 100 376 191 040 - 080 378 289 020 - 030 382 225 035 - 055 390 373 319 005 - 060 375 162 006 - 100 376 194 030 - 505 378 289 020 - 035 382 232 035 - 505 390 373 232 005 - 010 375 165 006 - 100 376 194 030 - 505 378 289 012 - 025 382 232 035 - 055 390 373 222 015 - 330 375 155 045 - 085 376 204 010 - 020 379 143 385 030 - 505 380 383 115 015 - 053 383 373 283 030 - 585 375 172 005 - 505 376 205 005 - 010 378 289 012 - 025 382 232 015 - 530 375 172 005 - 505 376 205 005 - 010 378 289 012 - 025 383 315 015 - 035 380 375 175 005 - 055 376 205 005 - 010 379 162 015 - 035 384 127 020 - 000 380 373 283 001 - 080 375 175 005 - 055 376 220 020 - 040 379 162 015 - 035 384 127 020 - 000 380 373 383 384 385 030		.181																
373 174 0.05 - 0.10 375 152 0.06 - 0.08 378 251 0.20 - 0.03 382 219 0.03 - 0.50 390 373 175 0.05 - 0.05 0.05 - 0.05 376 1.68 0.05 - 0.02 376 1.69 0.05 - 0.00 378 2.55 0.15 - 0.05 382 2.07 0.05 - 0.05 390 373 1.91 0.05 - 0.06 3.75 1.60 0.05 - 0.01 376 1.60 0.05 - 0.01 376 1.60 0.05 - 0.01 376 1.60 0.05 - 0.01 375 1.60 0.05 - 0.01 375 1.61 0.05 - 0.01 375 1.61 0.05 - 0.01 375 1.61 0.05 - 0.01 375 1.61 0.05 - 0.01 376 1.61 0.05 - 0.01 376 1.62 0.06 - 1.00 376 1.62 0.06 - 1.00 376 1.62 0.06 - 1.00 376 1.62 0.06 - 1.00 376 1.62 0.06 - 1.00 376 1.62 0.06 - 1.00 376 1.62 0.0		.185																
373 375 050 - 078 375 153 005 - 050 376 187 080 - 050 378 282 010 - 060 382 207 030 - 050 390 393 373 191 030 - 072 375 158 005 - 010 376 190 020 - 080 378 285 020 - 030 382 225 030 - 050 390 387 319 010 - 080 375 161 020 - 040 376 191 040 - 080 378 289 020 - 030 382 225 030 - 050 390 387 319 005 - 060 375 161 020 - 040 376 191 040 - 050 378 289 020 - 050 382 225 030 - 050 390 373 319 005 - 010 375 162 006 - 100 376 194 040 - 050 378 289 040 - 050 382 232 015 - 025 390 373 200 005 - 010 375 162 006 - 100 376 194 040 - 050 378 289 040 - 050 382 328 045 - 025 390 373 220 015 - 030 375 165 040 - 062 376 400 005 - 010 378 289 012 - 025 382 328 045 - 050 390 373 220 015 - 030 375 165 045 - 050 376 204 010 - 040 379 182 015 - 035 383 115 015 - 030 390 373 222 015 - 030 375 175 050 - 050 376 209 020 - 040 379 182 015 - 055 384 117 020 - 030 390 373 289 005 - 010 375 175 050 - 050 376 220 020 - 040 0379 184 040 - 070 384 144 030 - 050 390 373 289 005 - 010 375 175 005 - 012 376 220 020 - 030 379 184 040 - 070 384 159 030 - 050 390 373 318 005 - 010 375 175 005 - 012 376 220 020 - 050 0379 188 005 - 010 384 244 030 - 050 390 379 184 040 - 070 384 159 030 - 050 390 373 318 005 - 010 375 180 005 - 010 376 223 005 - 010 379 188 005 - 010 384 241 030 - 050 390 373 318 005 - 010 375 180 005 - 010 376 223 005 - 010 379 221 005 - 010 384 241 030 - 050 390 373 318 005 - 010 375 180 005 - 010 376 244 020 - 040 379 221 005 - 010 384 248 238 020 - 030 390 374 409 005 - 010 375 180 005 - 010 376 240 005 - 010 380 380 38		.195																
373 191 090 - 072 375 168 005 - 010 376 190 004 - 080 378 286 005 - 030 382 225 030 - 050 390 373 193 005 - 060 375 161 020 - 040 376 194 030 - 050 378 269 005 - 010 382 232 015 - 025 390 373 196 005 - 010 375 163 008 - 010 376 169 005 - 010 378 229 005 - 010 383 109 005 - 010 383 109 005 - 010 383 109 005 - 010 383 109 005 - 010 383 109 005 - 010 383 115 005 - 030 383 115 005 - 010 383 315 009 300 303 373 328 005 - 010 373 216 015 - 033 384 127 005 - 010 383 135 000 - 050 376 220 000 - 010 377 160 00		.198																
373 192	201 .070090	.201	.390	.030050	.207	.382	.015025	.255	.378	.005020	.189	.376	.005012	.156	.375	.030050	.189	.373
373 193 005-000 375 161 020-040 376 196 005-010 378 289 012-038 323 320 005-010 375 163 005-006 376 196 005-010 378 229 015-026 382 328 015-050 330 321 00 005-010 375 163 005-010 376 290 010-020 379 143 005-010 338 115 105-030 330 333 373 230 373 373 323 374 374	217 .015030	.217	.390	.030050	.225	.382	.020030	.258	.378	.020080	.190	.376	.005010	.158	.375	.030072	.191	.373
373 296 0.05 -010 375 162 .006 - 100 376 199 .005 - 010 378 299 .012 - 025 382 288 .015 - 025 390 .330 373 290 .005 - 010 375 168 .042 - 062 376 .204 .010 - 020 .379 143 .050 - 070 .383 .099 .030 - 050 .390 .337 .328 .030 - 050 .375 .190 .015 - 050 .376 .209 .020 - 040 .379 162 .015 - 035 .383 .115 .015 - 030 .390 .337 .328 .030 - 050 .375 .172 .005 - 050 .376 .209 .020 - 040 .379 .162 .015 - 035 .383 .115 .015 - 030 .390 .337 .328 .040 - 060 .375 .172 .005 - 050 .376 .209 .020 - 040 .379 .163 .020 - 037 .384 .127 .020 - 030 .390 .337 .328 .040 - 060 .375 .173 .005 - 012 .376 .220 .020 .020 .039 .379 .164 .040 .00 .376 .384 .127 .020 - 030 .390 .337 .328 .040 - 060 .375 .175 .005 - 012 .376 .220 .020 .032 .379 .173 .005 - 010 .384 .124 .030 - 050 .390 .337 .328 .005 - 040 .375 .175 .005 - 012 .376 .220 .020 .032 .379 .173 .005 - 010 .384 .159 .030 - 050 .390 .337 .328 .005 - 040 .375 .175 .005 .012 .376 .222 .005 - 042 .379 .198 .005 - 010 .384 .159 .030 - 050 .390 .337 .328 .005 .004 .375 .175 .005 .012 .376 .222 .005 - 042 .379 .200 .005 - 010 .384 .159 .030 - 050 .390 .337 .328 .005 .004 .375 .180 .005 - 010 .375 .224 .005 .005 .005 .005 .005 .005 .007 .384 .005 .007 .384 .005 .007 .375 .188 .005 .030 .376 .224 .005 .005 .379 .221 .005 .010 .384 .228 .020 .030 .330 .374 .005 .007 .375 .188 .005 .030 .376 .244 .032 .050 .379 .250 .005 .010 .384 .228 .025 .005 .010 .375 .180 .005 .010 .375 .180 .005 .010 .375 .244 .030 .050 .379 .250 .005 .010 .385 .186 .020 .032 .391 .374 .009 .005 .010 .375 .180 .005 .010 .375 .244 .030 .050 .379 .250 .005 .010 .385 .186 .020 .032 .391 .374 .009 .005 .010 .375 .180 .005 .010 .375 .240 .005 .000 .375 .240 .005 .375 .240 .005 .000 .375 .240 .005 .000 .375 .240 .005 .000 .375 .240 .0		.235		.015025										.160		.010060		
373 200 .005010 .375 .168 .005060 .376 .197 .005010 .378 .209 .005010 .383 .099 .030050 .390 373 222 .015030 .375 .169 .015050 .376 .205 .005010 .379 .162 .020053 .384 .127 .020030 .399 .163 .020035 .384 .147 .020032 .379 .168 .020040 .379 .164 .040050 .384 .147 .020032 .379 .173 .020030 .376 .220002 .379 .173 .080010 .375 .175 .080010 .375 .175 .080010 .375 .170 .080010 .376 .222 .005010 .379 .173 .084 .414 .030050 .390 373 .317 .010 .020 .375 .184 .005010 .376 .224 .030022 .379		.236																
373 210 .005010 .375 .168 .042062 .376 .204 .010020 .379 .162 .015030 .383 .115030 .390 .390 .020005 .391 .383 .155030050 .390 .209 .020004 .379 .163 .020033 .384 .127 .020030 .390 .373 .283 .040060 .375 .173 .020030 .390 .090040 .089 .979 .164 .004070 .384 .147 .020030 .390 .373 .286 .042060 .375 .177 .005012 .376 .222 .005012 .379 .198 .005010 .384 .241 .030051 .384 .233 .005010 .384 .241 .030051 .384 .241 .030051 .384 .241 .030051 .384 .231 .030 .380 .333 .334 .499 .005010 .384 .		.241																
373 222 015 - 030 375 169 015 - 050 376 200 005 - 010 379 162 015 - 035 383 155 030 - 050 390 373 253 040 - 060 375 172 005 - 050 376 209 020 - 040 379 163 020 - 035 384 144 030 - 050 390 373 253 040 - 060 375 175 005 - 051 376 202 020 - 032 379 163 020 - 035 384 144 030 - 050 390 373 328 042 - 080 375 175 005 - 010 376 220 020 - 032 379 173 005 - 010 384 144 030 - 050 390 373 373 253 040 - 050 10 375 177 080 - 075 376 222 005 - 040 379 173 005 - 010 384 214 030 - 050 390 373 317 0.00 - 020 375 180 080 - 080 376 223 005 - 042 379 220 005 - 010 384 228 020 - 030 390 373 318 005 - 010 375 188 005 - 030 376 224 030 - 050 379 221 0.00 - 010 384 271 0.015 - 020 390 374 0.93 0.96 0.96 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97		.256																
373 238 0.00 0.05 375 172 0.05 0.50 0.376 173 0.00 0.376 173 0.00 0.376 173 0.00 0.0		.257																
3373 255 .040 .060 375 .173 .020 .030 .376 .210 .020 .032 .379 .173 .050 .010 .384 .144 .030 .050 .390 .373 .269 .005 .010 .375 .177 .060 .075 .376 .222 .005 .010 .379 .120 .005 .010 .379 .120 .005 .010 .379 .120 .005 .010 .379 .200 .005 .010 .379 .200 .005 .010 .384 .218 .003 .390 .005 .010 .384 .281 .005 .003 .376 .224 .003 .050 .005 .010 .384 .281 .015 .003 .391 .237 .005 .005 .010 .385 .181 .003 .037 .252 .040 .050 .375 .181 .003 .037 .257 .040 .062		.258																
3373 256 .042060 .375 .175 .005012 .376 .222 .005010 .379 .173 .005010 .384 .159 .030050 .390 .373 .317 .010020 .375 .180 .060080 .376 .222 .005042 .379 .200 .005010 .384 .238 .020030 .390 .373 .318 .005010 .375 .180 .060080 .376 .224 .005010 .384 .221 .005010 .384 .221 .005010 .384 .228 .005010 .384 .221 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .384 .228 .005010 .381 .811		.260																
373 269 0.05010 .375 .177 .060075 .376 .222 .005010 .379 .101020 .375 .180 .060080 .376 .223 .005042 .379 .200 .005010 .384 .238 .020030 .390 .373 .318 .005010 .375 .188 .005030 .376 .224 .090050 .379 .221 .005010 .384 .221 .015010 .384 .281 .005010 .385 .188 .005030 .376 .224 .032050 .379 .221 .005010 .385 .186 .005032 .391 .374 .099 .005010 .375 .190 .080104 .376 .252 .040060 .375 .181 .030042 .385 .181 .030032 .391 .374 .130 .010022 .375 .193 .005015 .376 .260 .005032 .380 .093		.262																
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374 0.49 0.05 - 0.10 3.75 1.18 0.05 - 0.30 3.76 2.44 0.32 - 0.05 3.79 2.50 0.05 - 0.10 3.94 2.25 0.15 - 0.30 3.91 3.74 0.83 0.36 - 0.50 3.75 1.89 0.80 - 1.04 3.76 2.51 0.20 - 0.32 3.79 2.52 0.05 - 0.10 3.85 1.56 0.20 - 0.32 3.91 3.74 1.20 0.40 - 0.60 3.75 1.90 0.80 - 1.04 3.76 2.52 0.40 - 0.50 3.79 2.52 0.05 - 0.10 3.85 1.56 0.20 - 0.32 3.91 3.74 1.20 0.40 - 0.60 3.75 1.91 0.40 - 0.90 3.76 2.55 0.40 - 0.80 3.79 2.57 0.40 - 0.62 3.85 1.88 0.25 - 0.40 3.91 3.74 1.30 0.10 - 0.20 3.75 1.92 0.05 - 0.90 3.76 2.55 0.40 - 0.80 3.80 0.95 0.15 - 0.30 3.85 1.94 0.60 - 0.80 3.91 3.74 1.37 0.80 - 1.00 3.75 1.93 0.05 - 0.05 3.76 2.60 0.05 - 0.32 3.80 0.95 0.15 - 0.30 3.85 2.29 0.05 - 0.10 3.91 3.74 1.38 0.05 - 0.15 3.75 1.95 0.05 - 0.42 3.76 2.63 0.05 - 0.20 3.80 0.96 0.60 - 0.80 3.85 2.49 0.25 - 0.48 3.91 3.74 1.57 0.25 - 0.40 3.75 1.96 0.05 - 0.42 3.76 2.63 0.05 - 0.20 3.80 0.96 0.60 - 0.80 3.85 2.49 0.25 - 0.48 3.91 3.74 1.75 0.40 - 0.60 3.75 2.00 0.40 - 0.60 3.76 2.69 0.05 - 0.10 3.80 1.16 0.05 - 0.10 3.85 2.25 0.05 - 0.12 3.91 3.74 1.75 0.40 - 0.60 3.75 2.03 0.15 - 0.60 3.76 2.76 0.40 - 0.60 3.80 1.48 0.25 - 0.40 3.85 2.26 0.05 - 0.10 3.91 3.74 1.75 0.40 - 0.60 3.75 2.04 0.60 - 0.80 3.76 3.16 0.05 - 0.10 3.80 1.48 0.25 - 0.40 3.85 2.20 0.10 - 0.20 3.75 3.20 0.25 0.62 3.77 0.35 0.15 0.05 0.10 3.80 1.48 0.25 - 0.40 3.85 2.20 0.10 - 0.20 3.91 3.74 1.75 0.40 - 0.60 3.75 2.04 0.60 - 0.80 3.76 3.16 0.05 - 0.10 3.80 1.62 0.40 - 0.60 3.85 3.01 0.05 - 0.10 3.81 3.34 1.85 0.15 - 0.30 3.75 2.05 0.05 0.15 3.77 0.05 0.10 3.80 1.15 0.05 - 0.10 3.86 3.20 0.10 0.20 3.91 3.74 1.75 0.40 - 0		.314																
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374 120 0.40060 375 191 0.40090 376 254 .025044 .379 .297 .030042 .385 .188 .025040 .391 .374 .130 .010020 .375 .192 .005090 .376 .255 .040060 .380 .093 .015030 .385 .194 .060080 .391 .374 .138 .005015 .375 .193 .005015 .376 .260 .005032 .380 .095 .015030 .385 .239 .005010 .391 .374 .138 .005015 .375 .194 .040060 .376 .261 .010020 .380 .096 .060080 .385 .241 .030070 .391 .374 .149 .010015 .375 .196 .005042 .376 .263 .005020 .380 .096 .060080 .385 .249 .025048 .391 .374 .168 .025040 .375 .200 .040060 .376 .271 .010020 .380 .116 .005010 .385 .252 .005012 .391 .374 .173 .040060 .375 .202 .010023 .376 .276 .040060 .380 .126 .030050 .385 .260 .005060 .391 .374 .173 .040060 .375 .203 .015060 .376 .376 .301 .005010 .380 .148 .025040 .385 .262 .050060 .391 .374 .175 .040060 .375 .203 .015060 .376 .376 .316 .005010 .380 .148 .025040 .385 .262 .050060 .391 .374 .185 .015030 .375 .203 .015060 .376 .311 .005010 .380 .149 .080100 .385 .290 .010020 .391 .374 .185 .015030 .375 .205 .008015 .377 .031 .005010 .380 .173 .005010 .386 .121 .030050 .391 .374 .185 .015030 .375 .205 .008015 .377 .031 .005010 .380 .173 .005010 .386 .121 .030050 .391 .374 .185 .015030 .375 .205 .008015 .377 .031 .005010 .380 .173 .005010 .386 .121 .030050 .391 .374 .191 .005006 .375 .213 .015025 .377 .035 .015025 .380 .175 .015090 .386 .130	105 .005010	.105	.391	.020032	.156	.385	.005010	.252	.379	.020032	.251	.376	.080104	.189	.375	.036050	.083	.374
374 130 010 - 020 375 192 0.05 - 090 376 255 0.40 - 060 380 0.93 0.015 - 0.30 385 1.94 0.60 - 0.80 3.91		.132																
374 137 0.80 1.100 3.75 1.193 0.05 0.15 3.76 2.26 0.05 0.05 0.32 3.80 0.95 0.15 0.30 3.85 2.39 0.05 0.10 3.91 3.74 1.138 0.05 0.05 0.375 1.194 0.40 0.060 3.76 2.261 0.10 0.020 3.80 0.96 0.60 0.80 3.85 2.24 0.30 0.070 0.391 3.74 1.149 0.10 0.015 3.75 1.195 0.05 0.42 3.76 2.263 0.05 0.200 3.80 0.96 0.60 0.80 3.85 2.49 0.025 0.048 3.91 3.74 1.157 0.25 0.40 3.75 1.196 0.05 0.060 3.76 2.29 0.05 0.010 3.80 1.16 0.05 0.10 3.85 2.25 0.05 0.012 3.91 3.74 1.188 0.25 0.40 0.60 3.75 2.00 0.40 0.60 3.76 2.71 0.10 0.40 3.80 1.18 0.025 0.40 3.85 2.26 0.05 0.05 0.01 3.91 3.74 1.75 0.40 0.60 3.75 2.03 0.15 0.60 3.76 3.01 0.05 0.10 3.80 1.48 0.25 0.40 3.85 2.20 0.05 0.60 3.91 3.74 1.75 0.40 0.60 3.75 2.04 0.60 0.80 3.76 3.01 0.05 0.10 3.80 1.49 0.80 1.00 3.85 2.20 0.05 0.06 3.91 3.74 1.75 0.40 0.60 3.75 2.04 0.60 0.80 3.76 3.01 0.05 0.10 3.80 1.49 0.80 1.00 3.85 2.20 0.05 0.00 3.91 3.74 1.75 0.40 0.60 3.75 2.04 0.60 0.80 3.76 3.01 0.05 0.10 3.80 1.49 0.80 1.00 3.85 3.01 0.05 0.10 3.80 3.14 0.80 3.85 3.01 0.05 0.10 3.80 3.14 0.80 3.85 3.01 0.05 0.10 3.80 3.14 0.80 3.85 3.01 0.05 0.10 3.80 3.14 0.80 3.85 3.01 0.05 0.10 3.80 3.14 0.80 3.16		.163																
374 .138 .005015 .375 .194 .040060 .376 .261 .010020 .380 .096 .060080 .385 .241 .030070 .391 .374 .149 .010015 .375 .195 .005042 .376 .263 .005020 .380 .007 .040060 .385 .249 .025048 .391 .374 .157 .025040 .375 .196 .005060 .376 .269 .005010 .380 .116 .005010 .385 .252 .005012 .391 .374 .188 .025040 .375 .200 .040060 .376 .271 .010040 .380 .126 .030050 .385 .260 .005010 .391 .374 .173 .040060 .375 .202 .010032 .376 .276 .040060 .380 .149 .080100 .385 .260 .005010 .391 .374 .175 .040060 .375 .203 .015060 .376 .301 .005010 .380 .149 .080100 .385 .260 .005010 .391 .374 .175 .040060 .375 .203 .015060 .376 .331 .005010 .380 .149 .080100 .385 .290 .010020 .391 .374 .185 .015030 .375 .205 .008015 .377 .031 .005010 .380 .173 .005010 .386 .121 .030050 .391 .374 .185 .015030 .375 .205 .008015 .377 .035 .015025 .380 .175 .015090 .386 .121 .030050 .392 .374 .191 .005060 .375 .213 .015025 .377 .035 .035 .030042 .380 .186 .005010 .386 .141 .010020 .392 .374 .194 .005010 .375 .213 .015025 .377 .086 .030042 .380 .186 .015040 .386 .161 .050062 .392 .374 .196 .025040 .375 .213 .015025 .377 .035 .035 .035 .190 .005010 .386 .141 .010020 .392 .374 .196 .005010 .375 .223 .005070 .377 .110 .005010 .380 .190 .005010 .386 .181 .040060 .392 .374 .206 .005010 .375 .226 .005070 .377 .110 .005010 .380 .191 .005010 .386 .257 .020 .		.177																
374 1.49 0.10 - 0.15 3.75 1.95 0.05 - 0.04 3.76 2.63 0.05 - 0.02 3.80 0.97 0.40 - 0.60 3.85 2.49 0.25 - 0.48 3.91 3.74 1.157 0.25 - 0.40 3.75 2.00 0.040 - 0.60 3.76 2.271 0.10 - 0.40 3.80 1.26 0.030 - 0.50 3.85 2.56 0.005 - 0.10 3.91 3.74 1.172 0.40 - 0.60 3.75 2.00 0.40 - 0.60 3.76 2.71 0.10 - 0.40 3.80 1.26 0.30 - 0.50 3.85 2.60 0.05 - 0.10 3.91 3.74 1.77 0.40 - 0.60 3.75 2.02 0.10 - 0.32 3.76 2.76 0.40 - 0.60 3.80 1.48 0.25 - 0.40 3.85 2.60 0.05 - 0.010 3.91 3.74 1.75 0.40 - 0.60 3.75 2.04 0.60 - 0.80 3.76 3.16 0.05 - 0.10 3.80 1.49 0.80 - 1.00 3.85 2.20 0.10 - 0.02 3.91 3.74 1.75 0.40 - 0.60 3.75 2.04 0.60 - 0.80 3.76 3.16 0.05 - 0.10 3.80 1.62 0.40 - 0.60 3.85 3.01 0.05 - 0.10 3.91 3.74 1.185 0.15 - 0.30 3.75 2.09 0.025 - 0.62 3.77 0.31 0.05 - 0.10 3.80 1.73 0.05 - 0.10 3.86 1.21 0.30 - 0.50 3.91 3.74 1.185 0.15 - 0.30 3.75 2.09 0.25 - 0.62 3.77 0.35 0.15 - 0.25 3.80 1.75 0.15 - 0.90 3.86 1.30 0.20 - 0.30 3.92 3.74 1.19 0.05 - 0.10 3.75 2.13 0.15 - 0.25 3.77 0.68 0.30 - 0.42 3.80 1.80 0.05 - 0.10 3.86 1.41 0.10 - 0.20 3.92 3.74 1.96 0.25 0.40 3.75 2.18 0.60 - 0.80 3.77 0.71 0.05 - 0.10 3.80 1.90 0.05 - 0.10 3.86 1.81 0.40 - 0.60 3.92 3.74 2.90 0.05 - 0.10 3.75 2.23 0.50 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.91 0.05 - 0.10 3.86 3.14 0.40 - 0.60 3.92 3.74 2.20 0.05 - 0.10 3.75 2.23 0.50 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.91 0.05 - 0.10 3.86 2.25 0.20 - 0.40 3.92 3.74 2.20 0.05 - 0.10 3.75 2.23 0.50 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.91 0.05 - 0.10 3.86 2.25 0.20 - 0.40 3.92 3.74 2.20 0.05 - 0.10 3.75 2.23 0.50 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.91 0.05 - 0.10 3.86 3.31		.197																
374 157 0.25 - 0.40 375 1.96 0.05 - 0.60 376 2.29 0.05 - 0.10 380 1.16 0.05 - 0.10 385 2.52 0.05 - 0.10 3.91 3.74 1.72 0.40 - 0.60 3.75 2.20 0.40 - 0.60 3.76 2.71 0.10 - 0.40 3.80 1.26 0.30 - 0.50 3.85 2.60 0.05 - 0.10 3.91 3.74 1.72 0.40 - 0.60 3.75 2.02 0.10 - 0.32 3.76 2.76 0.40 - 0.60 3.80 1.48 0.25 - 0.40 3.85 2.62 0.55 - 0.60 3.91 3.74 1.73 0.40 - 0.60 3.75 2.03 0.15 - 0.60 3.76 3.01 0.05 - 0.10 3.80 1.49 0.80 - 1.00 3.85 2.20 0.10 - 0.20 3.91 3.74 1.75 0.40 - 0.60 3.75 2.04 0.60 - 0.80 3.76 3.16 0.05 - 0.10 3.80 1.49 0.80 - 1.00 3.85 2.20 0.10 - 0.20 3.91 3.74 1.80 0.20 - 0.80 3.75 2.20 0.08 - 0.15 3.77 0.31 0.05 - 0.10 3.80 1.62 0.40 - 0.60 3.85 3.01 0.05 - 0.10 3.91 3.74 1.85 0.15 - 0.30 3.75 2.20 0.02 - 0.62 3.77 0.35 0.15 - 0.25 3.80 1.75 0.15 - 0.90 3.86 1.30 0.20 - 0.30 3.92 3.74 1.94 0.05 - 0.10 3.75 2.13 0.15 - 0.25 3.77 0.47 0.30 - 0.42 3.80 1.80 0.05 - 0.10 3.86 1.81 0.10 - 0.20 3.92 3.74 1.96 0.25 - 0.40 3.75 2.13 0.15 - 0.25 3.77 0.68 0.30 - 0.42 3.80 1.80 0.05 - 0.10 3.86 1.81 0.40 - 0.60 3.92 3.74 1.99 0.05 - 0.10 3.75 2.23 0.05 - 0.70 3.77 1.00 0.15 - 0.30 3.80 1.91 0.20 - 0.40 3.86 2.20 0.05 - 0.62 3.92 3.74 2.20 0.05 - 0.10 3.75 2.23 0.05 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.92 0.05 - 0.10 3.86 2.25 0.20 0.40 3.92 3.74 2.20 0.05 - 0.10 3.75 2.23 0.05 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.92 0.05 - 0.10 3.86 2.25 0.20 0.40 3.92 3.74 2.20 0.05 - 0.10 3.75 2.23 0.05 - 0.70 3.77 1.10 0.20 - 0.30 3.80 1.94 0.05 - 0.10 3.86 2.25 0.20 0.40 3.92 3.74 2.20 0.05 - 0.10 3.75 2.25 0.05 - 0.70 3.77 1.11 0.20 - 0.30 3.80 1.92 0.05 - 0.10 3.86 2.25 0.20 0.40		.226 .242																
374 168 .025040 .375 .200 .040060 .376 .271 .010040 .380 .126 .030050 .385 .260 .005010 .391 .374 .172 .040060 .375 .202 .010032 .376 .276 .040060 .380 .148 .025040 .385 .262 .050060 .391 .374 .175 .040060 .375 .203 .015080 .376 .301 .005010 .380 .149 .080010 .385 .290 .010020 .391 .374 .175 .040060 .375 .204 .060080 .376 .316 .005010 .380 .149 .080060 .385 .301 .005010 .391 .374 .185 .015030 .375 .205 .008015 .377 .031 .005010 .380 .175 .015 .016 .386 .121 .030050 .391 .374 .185 .015030 .375 .209 .025082 .377 .035 .015025 .380 .175 .015090 .386 .130 .202030 .392 .374 .191 .005060 .375 .211 .010020 .377 .047 .030042 .380 .180 .005010 .386 .141 .010020 .392 .374 .194 .005010 .375 .213 .015025 .377 .068 .030042 .380 .180 .005010 .386 .141 .010020 .392 .374 .199 .005010 .375 .220 .005010 .377 .071 .005010 .380 .190 .005010 .386 .181 .040060 .392 .374 .200 .005010 .375 .220 .005070 .377 .100 .015030 .380 .191 .020040 .386 .200 .010020 .392 .374 .200 .005010 .375 .225 .050070 .377 .110 .020030 .380 .191 .005010 .386 .225 .020040 .375 .226 .015030 .377 .110 .020030 .380 .192 .005010 .386 .225 .020040 .392 .374 .206 .005010 .375 .226 .015030 .377 .114 .020040 .380 .192 .005010 .386 .225 .020040 .393 .374 .224 .005010 .375 .228 .005070 .377 .114 .020040 .380 .195 .005010 .386 .225 .020040 .393 .374 .222 .0050		.242																
.374 .172 .040060 .375 .202 .010032 .376 .276 .040060 .380 .148 .025040 .385 .262 .050060 .391 .374 .173 .040060 .375 .203 .015060 .376 .316 .005010 .380 .149 .080100 .385 .290 .010020 .391 .374 .175 .040060 .375 .204 .060080 .376 .316 .005010 .380 .182 .040060 .385 .301 .005010 .386 .131 .030050 .391 .374 .180 .020080 .375 .209 .025062 .377 .031 .005010 .386 .121 .030050 .381 .341 .030022 .380 .186 .015090 .386 .131 .020030 .392 .374 .194 .005010 .375 .213 .015022 .377 .047 .0068 <td></td> <td>.285</td> <td></td>		.285																
374 173 0.40 0.60 375 2.03 0.15 0.60 376 3.01 0.05 0.10 380 1.49 0.80 1.00 0.85 2.90 0.10 0.05 0.31 3.34 1.75 0.40 0.60 3.75 2.04 0.60 0.80 3.76 3.01 0.05 0.10 3.80 1.62 0.40 0.60 3.85 3.01 0.05 0.01 0.31 0.31 0.31 0.32		.306																
.374 .180 .020080 .375 .205 .008015 .377 .031 .005010 .380 .173 .005010 .386 .121 .030050 .391 .374 .185 .015030 .375 .209 .025062 .377 .035 .015025 .380 .175 .015090 .386 .130 .020030 .392 .374 .191 .005010 .375 .211 .010020 .377 .047 .030042 .380 .186 .015040 .386 .162 .050062 .392 .374 .196 .025040 .375 .218 .060080 .377 .071 .005010 .380 .190 .005010 .386 .162 .050062 .392 .374 .199 .005010 .375 .223 .050070 .377 .101 .020030 .380 .191 .020040 .386 .220 .040050 .392		.307																
.374 .185 .015030 .375 .209 .025062 .377 .035 .015025 .380 .175 .015090 .386 .130 .020030 .392 .374 .194 .005010 .375 .211 .015025 .377 .068 .030042 .380 .186 .015040 .386 .141 .010020 .392 .374 .194 .005040 .375 .218 .060080 .377 .071 .005010 .386 .181 .040060 .392 .374 .199 .005010 .375 .220 .005010 .377 .100 .015030 .380 .191 .020040 .386 .281 .040050 .392 .374 .200 .005010 .375 .223 .050070 .377 .101 .020030 .380 .191 .005010 .386 .225 .020040 .392 .374 .202 .025040	314 .015020	.314	.391	.005010	.301	.385	.040060	.162	.380	.005010	.316	.376	.060080	.204	.375	.040060	.175	.374
.374 .191 .005060 .375 .211 .010020 .377 .047 .030042 .380 .180 .005010 .386 .141 .010020 .392 .374 .196 .025040 .375 .218 .060080 .377 .068 .030042 .380 .186 .015040 .386 .162 .050062 .392 .374 .199 .005010 .375 .220 .005010 .377 .100 .015030 .380 .191 .020040 .386 .200 .010020 .392 .374 .290 .005010 .375 .223 .050070 .377 .101 .020030 .380 .191 .005010 .386 .225 .020040 .386 .225 .020040 .392 .374 .202 .025040 .375 .225 .050070 .377 .110 .020030 .380 .194 <t>.005010 .386 .237</t>	348 .005010	.348	.391	.030050	.121	.386	.005010	.173	.380	.005010	.031	.377	.008015	.205	.375	.020080	.180	.374
.374 .194 .005010 .375 .213 .015025 .377 .068 .030042 .380 .186 .015040 .386 .162 .050062 .392 .374 .199 .025040 .375 .218 .060080 .377 .071 .005010 .380 .190 .005010 .386 .181 .040060 .392 .374 .199 .005010 .375 .220 .050070 .377 .100 .015030 .380 .191 .020040 .386 .200 .010020 .392 .374 .202 .025040 .375 .225 .050070 .377 .110 .020030 .380 .194 .005010 .386 .225 .020040 .392 .374 .202 .025040 .375 .226 .015030 .377 .110 .020040 .380 .194 .005010 .386 .250 .015040 .393		.129																
.374 .196 .025040 .375 .218 .060080 .377 .071 .005010 .380 .190 .005010 .386 .181 .040060 .392 .374 .199 .005010 .375 .220 .005010 .377 .100 .015030 .380 .191 .020040 .386 .200 .010020 .392 .374 .200 .005010 .375 .223 .050070 .377 .101 .020030 .380 .192 .005010 .386 .225 .020040 .392 .374 .202 .025040 .375 .225 .050070 .377 .110 .020030 .380 .194 .005010 .386 .237 .040050 .392 .374 .226 .005010 .375 .225 .050075 .377 .115 .005010 .380 .195 .005025 .386 .250 .015040 .393		.190																
.374 .199 .005010 .375 .220 .005010 .377 .100 .015030 .380 .191 .020040 .386 .200 .010020 .392 .374 .200 .005010 .375 .223 .050070 .377 .101 .020030 .380 .192 .005010 .386 .225 .020040 .392 .374 .202 .025040 .375 .226 .015030 .377 .110 .020040 .380 .194 .005010 .386 .237 .040050 .392 .374 .206 .005010 .375 .226 .015030 .377 .115 .005040 .380 .195 .005025 .386 .250 .015040 .393 .374 .222 .005010 .375 .235 .010020 .377 .134 .015030 .380 .215 .030050 .386 .313 .020040 .393		.207																
.374 .200 .005010 .375 .223 .050070 .377 .101 .020030 .380 .192 .005010 .386 .225 .020040 .392 .374 .202 .025040 .375 .225 .050070 .377 .110 .020030 .380 .194 .005010 .386 .237 .040050 .392 .374 .206 .005010 .375 .226 .015030 .377 .114 .020040 .380 .195 .005025 .386 .250 .015040 .393 .374 .221 .010020 .375 .235 .010020 .377 .115 .005010 .380 .204 .012025 .386 .301 .020040 .393 .374 .222 .005010 .375 .238 .005075 .377 .144 .015030 .380 .226 .005010 .387 .091 .030050 .393		.219																
.374 .202 .025040 .375 .225 .050070 .377 .110 .020030 .380 .194 .005010 .386 .237 .040050 .392 .374 .206 .005010 .375 .226 .015030 .377 .114 .020040 .380 .195 .005025 .386 .250 .015040 .393 .374 .221 .010020 .375 .235 .010020 .377 .115 .005010 .380 .204 .012025 .386 .301 .020040 .393 .374 .222 .005010 .375 .237 .005075 .377 .134 .015030 .380 .215 .030050 .386 .313 .020030 .393 .374 .224 .005016 .375 .245 .050060 .377 .145 .050060 .380 .242 .015030 .387 .118 .020030 .393		.280																
.374 .206 .005010 .375 .226 .015030 .377 .114 .020040 .380 .195 .005025 .386 .250 .015040 .393 .374 .221 .010020 .375 .235 .010020 .377 .115 .005010 .380 .204 .012025 .386 .301 .020040 .393 .374 .222 .005010 .375 .237 .005075 .377 .134 .015030 .380 .215 .030050 .386 .313 .020030 .393 .374 .224 .005010 .375 .238 .005030 .377 .140 .005010 .380 .266 .005010 .387 .091 .030050 .393 .374 .225 .008016 .375 .248 .010020 .377 .147 .010020 .380 .255 .005010 .387 .118 .020030 .393		.328																
.374 .221 .010020 .375 .235 .010020 .377 .115 .005010 .380 .204 .012025 .386 .301 .020040 .393 .374 .222 .005010 .375 .237 .005075 .377 .134 .015030 .380 .215 .030050 .386 .313 .020030 .393 .374 .224 .005010 .375 .238 .005060 .377 .140 .005010 .380 .226 .005010 .387 .091 .030050 .393 .374 .225 .008016 .375 .248 .010020 .377 .145 .050060 .380 .242 .015030 .387 .118 .020030 .393 .374 .232 .005060 .375 .248 .010020 .377 .147 .010020 .380 .252 .005010 .387 .189 .032048 .393		.042																
.374 .222 .005010 .375 .237 .005075 .377 .134 .015030 .380 .215 .030050 .386 .313 .020030 .393 .374 .224 .005010 .375 .238 .005030 .377 .140 .005010 .380 .226 .005010 .387 .091 .030050 .393 .374 .225 .008016 .375 .245 .050060 .377 .145 .050060 .380 .242 .015030 .387 .118 .020030 .393 .374 .232 .005040 .375 .248 .010020 .377 .147 .010020 .380 .255 .005010 .387 .118 .020030 .393 .374 .236 .050060 .375 .250 .005060 .377 .156 .030060 .380 .262 .005010 .387 .189 .032048 .393 .374 .257 .056040 .375 .252 .005015 .377		.103																
.374 .224 .005010 .375 .238 .005030 .377 .140 .005010 .380 .226 .005010 .387 .091 .030050 .393 .374 .225 .008016 .375 .245 .050060 .377 .145 .050060 .380 .242 .015030 .387 .118 .020030 .393 .374 .232 .005040 .375 .248 .010020 .377 .147 .010020 .380 .255 .005010 .387 .171 .060090 .393 .374 .236 .050060 .375 .250 .005060 .377 .156 .030060 .380 .262 .005010 .387 .189 .032048 .393 .374 .237 .030060 .375 .252 .005015 .377 .157 .070090 .380 .262 .005010 .387 .192 .005010 .393 .374 .252 .005040 .375 .253 .005015 .377		.111																
.374 .225 .008016 .375 .245 .050060 .377 .145 .050060 .380 .242 .015030 .387 .118 .020030 .393 .374 .232 .005040 .375 .248 .010020 .377 .147 .010020 .380 .255 .005010 .387 .171 .060090 .393 .374 .236 .050060 .375 .250 .005060 .377 .156 .030060 .380 .262 .005010 .387 .189 .032048 .393 .374 .237 .030060 .375 .252 .005015 .377 .157 .070090 .380 .264 .025040 .387 .192 .005010 .393 .374 .252 .005040 .375 .253 .005025 .377 .164 .005010 .380 .276 .005040 .387 .258 .020040 .393 .374 .255 .005010 .375 .255 .020030 .377		.120																
.374 .236 .050060 .375 .250 .005060 .377 .156 .030060 .380 .262 .005010 .387 .189 .032048 .393 .374 .237 .030060 .375 .252 .005015 .377 .157 .070090 .380 .264 .025040 .387 .192 .005010 .393 .374 .252 .005040 .375 .253 .005025 .377 .164 .005010 .380 .276 .005010 .387 .258 .020040 .393 .374 .255 .005010 .375 .254 .005040 .377 .165 .020030 .380 .276 .005010 .387 .280 .005010 .393 .374 .257 .025060 .375 .255 .020030 .377 .171 .025040 .380 .280 .030040 .387 .318 .008020 .393 .374 .280 .005010 .375 .257 .025040 .377		.158		.020030									.050060					
.374 .237 .030060 .375 .252 .005015 .377 .157 .070090 .380 .264 .025040 .387 .192 .005010 .393 .374 .252 .005040 .375 .253 .005025 .377 .164 .005010 .380 .276 .005010 .387 .258 .020040 .393 .374 .255 .005010 .375 .254 .005040 .377 .165 .020030 .380 .277 .010020 .387 .280 .005010 .393 .374 .257 .025060 .375 .255 .020030 .377 .171 .025040 .380 .280 .030040 .387 .280 .005010 .393 .374 .280 .005010 .375 .257 .025040 .377 .173 .030050 .380 .285 .032050 .387 .328 .010020 .393 .374 .307 .005010 .375 .258 .010020 .377		.196																
.374 .252 .005040 .375 .253 .005025 .377 .164 .005010 .380 .276 .005010 .387 .258 .020040 .393 .374 .255 .005010 .375 .254 .005040 .377 .165 .020030 .380 .277 .010020 .387 .280 .005010 .393 .374 .257 .025060 .375 .255 .020030 .377 .171 .025040 .380 .280 .030040 .387 .318 .008020 .393 .374 .280 .005010 .375 .257 .025040 .377 .173 .030050 .380 .285 .032050 .387 .328 .010020 .393 .374 .307 .005010 .375 .258 .010020 .377 .182 .025048 .381 .094 .005010 .388 .090 .015025 .393 .374 .320 .010020 .375 .267 .020030 .377		.201																
.374 .255 .005010 .375 .254 .005040 .377 .165 .020030 .380 .277 .010020 .387 .280 .005010 .393 .374 .257 .025060 .375 .255 .020030 .377 .171 .025040 .380 .280 .030040 .387 .318 .008020 .393 .374 .280 .005010 .375 .257 .025040 .377 .173 .030050 .380 .285 .032050 .387 .328 .010020 .393 .374 .307 .005010 .375 .258 .010020 .377 .182 .025048 .381 .094 .005010 .388 .090 .015025 .393 .374 .320 .010020 .375 .267 .020030 .377 .185 .010020 .381 .099 .025040 .388 .127 .008020 .393		.209																
.374 .257 .025060 .375 .255 .020030 .377 .171 .025040 .380 .280 .030040 .387 .318 .008020 .393 .374 .280 .005010 .375 .257 .025040 .377 .173 .030050 .380 .285 .032050 .387 .328 .010020 .393 .374 .307 .005010 .375 .258 .010020 .377 .182 .025048 .381 .094 .005010 .388 .090 .015025 .393 .374 .320 .010020 .375 .267 .020030 .377 .185 .010020 .381 .099 .025040 .388 .127 .008020 .393		.214																
.374 .280 .005010 .375 .257 .025040 .377 .173 .030050 .380 .285 .032050 .387 .328 .010020 .393 .374 .307 .005010 .375 .258 .010020 .377 .182 .025048 .381 .094 .005010 .388 .090 .015025 .393 .374 .320 .010020 .375 .267 .020030 .377 .185 .010020 .381 .099 .025040 .388 .127 .008020 .393		.217																
.374 .307 .005010 .375 .258 .010020 .377 .182 .025048 .381 .094 .005010 .388 .090 .015025 .393 .374 .320 .010020 .375 .267 .020030 .377 .185 .010020 .381 .099 .025040 .388 .127 .008020 .393		.230 .237																
.374 .320 .010020 .375 .267 .020030 .377 .185 .010020 .381 .099 .025040 .388 .127 .008020 .393		.237																
		.240																
		.256	.393	.005010	.136	.388	.005010	.114	.381	.030060	.189	.377	.010020	.274	.375	.010020	.034	.375
		.277																
		.279																
		.285																
	287 .005015	.287	.393		.215	.388			.381	.032042		.377		.285	.375		.059	.375
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		.315																
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		.142																
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O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
204		From To	200	200	From To	400	200	From To	406	005	From To	410	270	From To	401	070	From To
.394	.168 .183	.050075 .010020	.398 .399	.320 .169	.020040 .005010	.402 .402	.300 .359	.015030 .005010	.406 .406	.285 .304	.005010	.413 .414	.379 .081	.010020 .030050	.421 .421	.279 .280	.005010 .005010
.394	.196	.050075	.399	.200	.020040	.403	.144	.005010	.407	.063	.005010 .005010	.414	.162	.030050	.421	.291	.005010
.394	.203	.005010	.399	.223	.020040	.403	.189	.025036	.407	.137	.020040	.414	.166	.005010	.421	.319	.020030
.394	.207	.050075	.399	.226	.050070	.403	.192	.020040	.407	.175	.005010	.414	.212	.080100	.421	.322	.005010
.394	.208	.070090	.399	.260	.070090	.403	.193	.016025	.407	.207	.005015	.414	.236	.070080	.422	.038	.020036
.394	.237	.005010	.399	.284	.010020	.403	.203	.005010	.407	.225	.020040	.414	.252	.005060	.422	.123	.005010
.394	.239	.025040	.399	.290	.005010	.403	.263	.030050	.407	.237	.020040	.414	.261	.005010	.422	.129	.010025
.394	.240	.005025	.399	.362	.005010	.404	.100	.005010	.407	.253	.010015	.414	.277	.035045	.422	.130	.015025
.394	.243	.015030	.400	.066	.025048	.404	.128	.005010	.407	.257	.010020	.414	.282	.020030	.422	.153	.005010
.394	.251	.005080	.400	.091	.005010	.404	.173	.060080	.407	.261	.008016	.414	.315	.010020	.422	.189	.025035
.394	.255	.045064	.400	.119	.005010	.404	.180	.060080	.407	.262	.005040	.415	.092	.040060	.422	.218	.010020
.394	.260	.040060	.400	.124	.005010	.404	.189	.025040	.407	.265	.015036	.415	.179	.040070	.422	.282	.040060
.394	.319 .099	.005010	.400	.131	.020030	.404 .404	.190	.025040	.407	.320	.010020	.415	.192	.070090	.422 .422	.335	.010020
.395	.165	.030050	.400	.139	.020035	.404	.195	.010020	.408	.083	.020050 .025040	.415 .415	.243	.008020	.423	.375	.005010
.395	.172	.020035	.400	.147	.025048	.404	.210	.030050	.408	.166	.015040	.415	.253	.005010	.423	.153	.005015
.395	.174	.015030	.400	.151	.010060	.404	.218	.005010	.408	.172	.005015	.415	.265	.050070	.423	.177	.030050
.395	.175	.090105	.400	.153	.005010	.404	.220	.025040	.408	.173	.005010	.415	.281	.050072	.423	.226	.040060
.395	.186	.070090	.400	.160	.020040	.404	.224	.005010	.408	.194	.040060	.415	.285	.015025	.423	.250	.020035
.395	.191	.025093	.400	.168	.042062	.404	.246	.005010	.408	.202	.030040	.415	.313	.010020	.423	.254	.020030
.395	.195	.005010	.400	.172	.005010	.404	.252	.005010	.408	.240	.020040	.415	.324	.025035	.423	.269	.060078
.395	.200	.005010	.400	.173	.030050	.404	.260	.015025	.408	.261	.005015	.416	.121	.005010	.423	.270	.060080
.395	.209	.050070	.400	.182	.016032	.404	.265	.015030	.408	.297	.010020	.416	.128	.040060	.423	.271	.050070
.395	.210	.025040	.400	.192	.005060	.404	.280	.060080	.409	.129	.015030	.416	.160	.005010	.423	.278	.025050
.395	.219	.010020	.400	.198	.015050	.404	.313	.005012	.409	.167	.015025	.416	.180	.020030	.423	.314	.010020
.395	.220 .225	.015035 .010020	.400 .400	.200 .202	.015025 .005010	.404 .405	.320 .099	.005020 .005010	.409 .409	.172 .194	.020040 .035050	.416 .416	.205 .218	.062080	.423 .423	.319 .328	.015025 .030042
.395	.236	.040060	.400	.203	.005010	.405	.107	.005010	.409	.210	.060083	.416	.241	.008020	.423	.345	.010020
.395	.243	.005015	.400	.206	.050070	.405	.108	.030050	.409	.244	.030040	.416	.251	.025040	.424	.139	.030050
.395	.246	.015030	.400	.210	.005020	.405	.137	.005010	.409	.313	.015030	.416	.256	.020040	.424	.169	.005030
.395	.248	.060075	.400	.216	.005010	.405	.156	.040060	.409	.322	.015030	.416	.260	.025040	.424	.190	.005020
.395	.251	.020030	.400	.225	.050070	.405	.162	.015025	.410	.063	.005010	.417	.251	.048062	.424	.196	.040060
.395	.277	.040050	.400	.240	.015020	.405	.168	.005010	.410	.102	.005010	.417	.276	.005010	.424	.230	.015025
.395	.280	.040060	.400	.250	.050070	.405	.175	.040060	.410	.186	.005010	.417	.356	.010020	.424	.319	.005010
.395	.284	.005048	.400	.252	.005010	.405	.184	.005010	.410	.188	.030040	.418	.149	.050070	.424	.325	.005010
.395	.294 .322	.036050 .005010	.400 .400	.253 .254	.010020 .010020	.405 .405	.201 .202	.005010 .020072	.410 .410	.201 .210	.005105 .040060	.418 .418	.190 .206	.025050	.425 .425	.130 .138	.020040 .030050
.395	.338	.005010	.400	.255	.005030	.405	.202	.050060	.410	.220	.025040	.418	.251	.030040	.425	.147	.020030
.396	.055	.010020	.400	.258	.005010	.405	.222	.050070	.410	.223	.010020	.418	.257	.025040	.425	.165	.015030
.396	.151	.040060	.400	.260	.005010	.405	.243	.010015	.410	.254	.005010	.418	.289	.020030	.425	.191	.060080
.396	.194	.010015	.400	.261	.015030	.405	.250	.020030	.410	.256	.030042	.418	.315	.035050	.425	.194	.015030
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.396	.221	.005015	.400	.273	.025040	.405	.253	.025040	.410	.300	.005010	.419	.148	.062090	.425	.212	.005010
.396	.259	.030050	.400	.282	.015030	.405	.257	.005040	.410	.306	.015030	.419	.173	.080104	.425	.250	.015030
.396	.260	.030050	.400 .400	.286	.030040 .015030	.405 .405	.261	.010020 .025048	.410	.314	.005010	.419 .419	.224	.040060	.425	.256	.050070
.396	.277 .278	.020040 .020040	.400	.288 .311	.015030	.405	.276 .279	.050060	.410 .410	.317 .358	.020035 .020030	.419	.260 .296	.010020	.425 .425	.261 .284	.050062 .030050
.396	.285	.025040	.400	.314	.025040	.405	.303	.015025	.411	.091	.020030	.419	.303	.005010	.425	.317	.015030
.396	.318	.005010	.400	.347	.005010	.406	.094	.005010	.411	.095	.005010	.419	.313	.020040	.425	.318	.005010
.396	.333	.005030	.400	.360	.005010	.406	.120	.032048	.411	.127	.020040	.419	.329	.005025	.425	.319	.040050
.396	.338	.005008	.401	.102	.005010	.406	.124	.020040	.411	.225	.005010	.419	.345	.005010	.425	.326	.020030
.397	.025	.005010	.401	.121	.030050	.406	.127	.025040	.411	.258	.020050	.420	.036	.005010	.425	.336	.020030
.397	.032	.005010	.401	.125	.030105	.406	.128	.015030	.411	.259	.070075	.420	.095	.005010	.425	.343	.020040
.397	.105	.008016	.401	.128	.025040	.406	.140	.025042	.411	.292	.010020	.420	.129	.020030	.425	.344	.005010
.397	.109 .153	.005015 .025040	.401 .401	.130 165	.005010 .005010	.406 .406	.155 .161	.050075 .050075	.411 .411	.310 .314	.010020 .030050	.420 .420	.170 .179	.015030 .005010	.425 .426	.345 .140	.005010 .015030
.397	.176	.025040	.401	.165 .169	.005010	.406	.170	.010025	.411 .411	.314	.030030	.420	.179	.005010	.426	.187	.015030
.397	.183	.010020	.401	.171	.005010	.406	.171	.048072	.412	.136	.003020	.420	.204	.030050	.426	.215	.005015
.397	.196	.010015	.401	.202	.020060	.406	.189	.012020	.412	.161	.030050	.420	.234	.005010	.426	.216	.070090
.397	.212	.005015	.401	.219	.020040	.406	.190	.005010	.412	.190	.005070	.420	.238	.020030	.426	.219	.005010
.397	.231	.005010	.401	.221	.060075	.406	.201	.050070	.412	.196	.005015	.420	.241	.005010	.426	.225	.010020
.397	.250	.005010	.401	.237	.035050	.406	.203	.005010	.412	.211	.005010	.420	.251	.030040	.426	.234	.025040
.397	.255	.070090	.401	.241	.030050	.406	.204	.030050	.412	.218	.010020	.420	.254	.006012	.426	.256	.040060
.397	.267	.020040	.401	.251	.025040	.406	.209	.030050	.412	.222	.010020	.420	.258	.005010	.426	.257	.050075
.397	.280 .298	.040050 .015030	.401	.258	.015025 .005010	.406	.218	.025040 .025042	.412 .412	.231	.060080 .005010	.420 .420	.279 .280	.005016 .010025	.426 .426	.270 .272	.050070 .005010
.397	.315	.032042	.401 .401	.263 .298	.005010	.406 .406	.220 .221	.025042	.412	.236 .241	.005010	.420	.311	.010025	.426	.314	.005010
.397	.320	.020040	.401	.314	.010020	.406	.224	.005010	.412	.272	.020040	.420	.314	.030050	.426	.320	.010020
.397	.325	.015025	.401	.318	.005010	.406	.242	.062080	.412	.290	.040060	.420	.319	.005010	.426	.345	.010020
.398	.117	.020035	.401	.328	.005030	.406	.250	.020035	.412	.326	.010040	.421	.058	.005010	.426	.354	.015025
.398	.188	.005010	.402	.099	.015025	.406	.252	.050070	.413	.169	.005010	.421	.108	.005010	.427	.107	.010020
.398	.191	.040060	.402	.145	.015060	.406	.257	.025042	.413	.187	.010020	.421	.121	.005010	.427	.134	.030050
.398	.200	.070080	.402	.157	.005010	.406	.260	.005010	.413	.212	.010020	.421	.178	.020040	.427	.187	.005010
.398	.225	.005010	.402	.162	.060080	.406	.262	.025040	.413	.222	.042072	.421	.204	.020040	.427	.213	.030050
.398	.234 .241	.005010 .040060	.402 .402	.193 .235	.015025 .050070	.406 .406	.264 .269	.036050 .005010	.413 .413	.223 .229	.005010 .005010	.421 .421	.209 .234	.005010 .025040	.427 .427	.230 .233	.010020 .050070
.398	.286	.040060	.402	.256	.030070	.406	.276	.042062	.413	.269	.005010	.421	.251	.025040	.427	.260	.005010
.398	.303	.005010	.402	.270	.040060	.406	.278	.005010	.413	.319	.005010	.421	.252	.005010	.427	.265	.015030
.398	.304	.015030	.402	.281	.048062	.406	.284	.020040	.413	.326	.005010	.421	.268	.025040	.427	.279	.040060

									140	100	LING CIT	Andi	_ 1 011	ANTO	*****	SIZL	JEIGILD
O.D.	I.D.	Choose Any Thickness*															
.427	.325	.015030	.432	.314	.005010	.435	.254	.005008	.437	.259	.050070	.439	.165	.025040	.442	.286	.005010
.427	.347	.005010	.432	.315	.005010	.435	.257	.025040	.437	.260	.010025	.439	.173	.030050	.442	.317	.040060
.428	.034	.016025	.432	.316	.040060	.435	.261	.025045	.437	.261	.005010	.439	.174	.005050	.443	.190	.025040
.428	.101	.010020	.432	.317	.005010	.435	.267	.010020	.437	.262	.030042	.439	.185	.090105	.443	.191	.025040
.428	.132	.005010	.432	.319	.030050	.435	.268	.010020	.437	.265	.005012	.439	.189	.010075	.443	.223	.005010
.428	.143	.050070	.432	.356	.015025	.435	.284	.040072	.437	.275	.020040	.439	.190	.060080	.443	.224	.040060
.428	.179	.090105	.432	.364	.005010	.435	.290	.025050	.437	.281	.042062	.439	.192	.005010	.443	.278	.020040
.428	.187	.005010	.433	.042	.031048	.435	.296	.005010	.437	.284	.015030	.439	.203	.040090	.443	.295	.016025
.428	.213	.020040	.433	.052	.015030	.435	.305	.005010	.437	.287	.010020	.439	.207	.040060	.443	.336	.040060
.428	.220	.040060	.433	.054	.015030	.435	.321	.030050	.437	.302	.005012	.439	.251	.060080	.444	.165	.005010
.428 .428	.241 .299	.005010 .005010	.433 .433	.089 .157	.020040 .030050	.435 .435	.327 .380	.030050 .010020	.437 .437	.312 .316	.005010 .010015	.439 .439	.252 .253	.060080 .010025	.444 .444	.174 .196	.030050 .015030
.428	.311	.025040	.433	.178	.105125	.436	.187	.005010	.437	.321	.020040	.439	.260	.025040	.444	.220	.030050
.428	.316	.025040	.433	.202	.015030	.436	.188	.070090	.437	.325	.005010	.439	.264	.060075	.444	.318	.030050
.428	.318	.010020	.433	.203	.005030	.436	.201	.005010	.437	.328	.020030	.439	.276	.005010	.444	.342	.010020
.429	.135	.005010	.433	.220	.005010	.436	.226	.010025	.437	.329	.040060	.439	.282	.005010	.444	.347	.020040
.429	.161	.020040	.433	.224	.005010	.436	.241	.025035	.437	.343	.005060	.439	.313	.040060	.444	.349	.005010
.429	.189	.010020	.433	.237	.030050	.436	.251	.080100	.437	.365	.005010	.439	.315	.005010	.444	.381	.015030
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.429	.257	.010020	.433	.239	.005010	.436	.254	.010020	.437	.380	.005010	.439	.321	.040060	.445	.116	.050070
.429	.260	.015060	.433	.243	.020050	.436	.256	.005010	.438	.048	.005010	.440	.024	.005010	.445	.136	.010020
.430	.111	.005010	.433	.251	.010030	.436	.263	.005010	.438	.058	.020035	.440	.052	.025040	.445	.142	.040050
.430	.115	.010020	.433	.253	.008070 .020040	.436	.279	.010025	.438	.087	.005010	.440	.090	.035050	.445	.206	.035050
.430 .430	.120 .128	.005012 .032042	.433 .433	.276 .278	.020040	.436 .436	.282 .283	.025075 .010020	.438 .438	.093 .094	.005010 .025040	.440 .440	.105 .127	.005010 .010020	.445 .445	.212 .219	.005010 .050070
.430	.130	.032042	.433	.281	.010020	.436	.287	.010020	.438	.119	.025040	.440	.127	.030050	.445	.252	.015025
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.430	.175	.015030	.433	.321	.035050	.436	.318	.005010	.438	.136	.010015	.440	.168	.040060	.445	.331	.030050
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.430	.191	.020080	.434	.079	.030050	.437	.096	.015025	.438	.195	.030040	.440	.210	.010020	.446	.049	.010020
.430 .430	.200 .206	.070090 .080100	.434 .434	.094 .103	.040060 .040060	.437 .437	.120 .125	.040060 .005015	.438 .438	.196 .198	.005020 .025035	.440 .440	.211 .217	.005010 .070090	.446 .446	.151 .162	.062090 .005010
.430	.215	.032042	.434	.160	.090125	.437	.125	.005015	.438	.200	.025035	.440	.217	.005020	.446	.171	.040060
.430	.220	.015035	.434	.176	.020040	.437	.127	.015060	.438	.201	.025050	.440	.228	.015040	.446	.197	.010020
.430	.230	.005010	.434	.187	.005010	.437	.128	.030050	.438	.202	.020050	.440	.237	.050075	.446	.208	.050070
.430	.250	.090110	.434	.196	.005010	.437	.129	.010042	.438	.203	.075090	.440	.245	.005010	.446	.256	.005010
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.430	.265	.005080	.434	.201	.005020	.437	.133	.050062	.438	.206	.020030	.440	.252	.010025	.446	.307	.030050
.430	.279	.005010	.434	.224	.005010	.437	.141	.048072	.438	.207	.005010	.440	.253	.005010	.446	.319	.032060
.430	.285	.020030	.434	.236	.032062	.437	.142	.040060	.438	.210	.042060	.440	.260	.010070	.446	.325	.032060
.430	.300	.010020	.434	.244	.040050	.437	.143	.040060	.438	.216	.005100	.440	.265	.005010	.447	.127	.020040
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.430 .430	.314 .339	.030030	.434 .434	.255 .271	.050070	.437	.147 .150	.020040	.438	.236 .247	.005010 .005010	.440	.283 .291	.040062 .020040	.447	.202	.025040
.430	.343	.015030	.434	.282	.005010	.437	.157	.015030	.438	.249	.050075	.440	.304	.030050	.447	.223	.025050
.430	.364	.005010	.434	.286	.020030	.437	.158	.005010	.438	.255	.005030	.440	.314	.040060	.447	.230	.025040
.430	.372	.005020	.434	.315	.005010	.437	.166	.010050	.438	.256	.025050	.440	.316	.020050	.447	.236	.005010
.430	.376	.005010	.434	.316	.015040	.437	.169	.008016	.438	.257	.030050	.440	.328	.040060	.447	.250	.020040
.430	.379	.015020	.434	.318	.005010	.437	.171	.030050	.438	.258	.005010	.440	.355	.015025	.447	.254	.010020
.431	.040	.005010	.434	.320	.005010	.437	.183	.050062	.438	.259	.005010	.440	.381	.010020	.447	.270	.020030
.431	.126	.035050	.434	.330	.030050	.437	.191	.010104	.438	.263	.020050	.440	.390	.005010	.447	.313	.015025
.431	.127	.025040	.434	.350	.025035	.437	.194	.020104	.438	.265	.030060	.441	.042	.010020	.447	.337	.005010
.431	.157	.025040	.435	.064	.035062	.437	.197	.040125	.438	.266	.015030	.441	.093	.005020	.447	.375	.020036
.431 431	.158	.005010 .005010	.435	.067	.020040	.437	.198	.005010	.438	.274	.015030	.441	.143	.005020	.447	.380	.015030
.431	.195 .197	.020030	.435	.077	.005010	.437	.199	.015032	.438	.276 .281	.030050	.441	.151	.030050	.448	.094	.005010
.431	.235	.020030	.435	.082	.030050	.437	.204	.020030	.438	.282	.000080	.441	.172	.062083	.448	.181	.030040
.431	.238	.030060	.435	.112	.007012	.437	.215	.020033	.438	.284	.050075	.441	.172	.002003	.448	.189	.005012
.431	.259	.005030	.435	.136	.090105	.437	.217	.060080	.438	.297	.005010	.441	.198	.005030	.448	.191	.030048
.431	.294	.015025	.435	.149	.060083	.437	.218	.015062	.438	.297	.015025	.441	.224	.050075	.448	.203	.015030
.432	.080	.005010	.435	.160	.010020	.437	.219	.008016	.438	.313	.030060	.441	.242	.020030	.448	.205	.030060
.432	.117	.030050	.435	.166	.090105	.437	.220	.040060	.438	.315	.010020	.441	.254	.020040	.448	.215	.020040
.432	.118	.015030	.435	.174	.025040	.437	.222	.005010	.438	.316	.005010	.441	.255	.005010	.448	.223	.025040
.432	.120	.015030	.435	.178	.105125	.437	.225	.032062	.438	.322	.010020	.441	.257	.020048	.448	.245	.005020
.432	.122	.030050	.435	.182	.060083	.437	.228	.050070	.438	.323	.025040	.441	.258	.030050	.448	.248	.010020
.432	.125	.032062	.435	.190	.070090	.437	.232	.030042	.438	.325	.005010	.441	.266	.042072	.448	.251	.032060
.432	.130	.010020	.435	.191	.005010	.437	.238	.006016	.438	.328	.010020	.441	.270	.025040	.448	.271	.030050
.432	.133	.050090	.435	.198	.005072	.437	.245	.020040	.438	.335	.005010	.441	.273	.005010	.448	.312	.005010
.432 .432	.135 .187	.040060	.435 .435	.200 .203	.050075	.437	.251	.010015 .010020	.438 .438	.337 .339	.025040 .025040	.441	.316 .319	.040060	.448	.323 .331	.010020
.432	.199	.005010	.435	.214	.005008	.437	.252	.035050	.438	.365	.025040	.441	.320	.005010	.448	.367	.010020 .035050
.432	.260	.080010	.435	.214	.025050	.437	.253 .254	.005050	.438	.381	.020030	.441	.154	.005008	.448	.368	.030040
.432	.263	.015025	.435	.237	.015030	.437	.255	.010020	.438	.384	.015030	.442	.195	.005010	.448	.377	.005010
	0		.435	.250	.015030	.437	.257	.008016	.439	.118	.030050	.442	.254	.020040	.449	.259	.005010
.432	.297	.005010	.400	.200													
.432 .432	.297 .313	.005010 .020048	.435	.252	.015030	.437	.258	.025070	.439	.141	.010020	.442	.260	.010020	.449	.351	.005010

								BUKER	2 ME	IAL	WASHER	O AITE		AND I	OIVIDE	LUL	BURKED
O.D.	I.D.	Choose Any Thickness*															
		From To			From To			From To	-		From To			From To			From To
.449	.412	.005010	.455	.195	.015030	.463	.320	.040050	.468	.287	.005010	.471	.206	.005010	.474	.317	.005015
.450 .450	.062 .065	.030050 .006015	.455	.235 .257	.020030	.463 .463	.321 .322	.030050	.468 .468	.312 .320	.050070	.471 .471	.218 .222	.005010	.474 .474	.320 .381	.030050 .005012
.450	.089	.030050	.455 .455	.261	.020032 .007016	.463	.333	.015030	.468	.321	.005010 .005072	.471	.223	.020030	.474	.396	.005012
.450	.114	.015030	.455	.265	.015030	.463	.391	.020030	.468	.390	.015030	.471	.224	.020040	.475	.113	.005010
.450	.120	.010015	.455	.266	.040060	.464	.129	.005010	.468	.400	.020040	.471	.254	.005010	.475	.147	.020040
.450	.138	.005015	.455	.302	.015030	.464	.141	.050070	.468	.405	.005010	.471	.256	.035050	.475	.175	.020030
.450	.143	.005010	.455	.353	.010020	.464	.159	.060080	.469	.100	.020040	.471	.258	.030050	.475	.192	.005010
.450	.162	.050075	.455	.383	.025040	.464	.160	.015030	.469	.149	.080104	.471	.259	.005010	.475	.192	.060080
.450	.174	.025040	.456	.074	.005010	.464	.190	.030050	.469	.184	.005010	.471	.287	.005015	.475	.196	.005010
.450	.182	.005010	.456	.153	.025040	.464	.210	.020036	.469	.192	.005030	.471	.296	.005010	.475	.214	.050070
.450 .450	.185 .192	.040050 .005010	.456 .456	.158 .189	.020040 .030040	.464 .464	.218 .237	.005010 .015030	.469 .469	.206 .228	.075100 .010020	.471 .471	.318 .319	.050070 .010020	.475 .475	.227 .241	.020030 .040060
.450	.200	.015010	.456	.190	.025062	.464	.244	.005020	.469	.254	.030050	.471	.322	.010020	.475	.259	.010030
.450	.201	.005010	.456	.194	.040062	.464	.252	.005020	.469	.263	.030050	.471	.337	.005010	.475	.279	.005010
.450	.216	.005010	.456	.221	.005010	.464	.265	.010020	.469	.269	.015025	.471	.348	.025042	.475	.286	.005010
.450	.223	.015025	.456	.235	.005010	.464	.318	.015025	.469	.281	.005020	.471	.378	.005012	.475	.306	.005010
.450	.237	.030050	.456	.257	.020030	.464	.320	.040060	.469	.320	.004008	.471	.387	.005010	.475	.324	.020040
.450	.240	.005010	.456	.261	.005010	.464	.367	.010020	.469	.321	.005010	.472	.097	.005020	.475	.334	.040060
.450	.247	.005010	.456	.356	.010020	.464	.393	.005010	.469	.322	.010020	.472	.099	.020040	.475	.347	.020040
.450	.251	.020100	.456	.360	.010020	.465	.062	.030050	.469	.325	.020035	.472	.103	.005010	.475	.360	.005010
.450	.252 .254	.005020 .025040	.456 .456	.378	.005010 .010020	.465 .465	.117 .134	.040060	.469 .469	.343 .349	.005010 .010020	.472 .472	.125	.005010	.475 .475	.368	.015040 .005010
.450 .450	.254	.025040	.456	.390 .252	.050075	.465 .465	.134	.030040	.469	.349	.020030	.472	.157 .160	.005010	.475	.378 .380	.010010
.450	.259	.010020	.457	.252	.005010	.465	.188	.060070	.469	.384	.020030	.472	.162	.050070	.475	.397	.020030
.450	.260	.025040	.457	.255	.030050	.465	.200	.005010	.470	.042	.015025	.472	.165	.015030	.475	.400	.020040
.450	.264	.050070	.457	.311	.030040	.465	.210	.040060	.470	.044	.020030	.472	.169	.025050	.475	.411	.010020
.450	.280	.050075	.457	.313	.050060	.465	.211	.100120	.470	.057	.005010	.472	.196	.032048	.475	.424	.015040
.450	.284	.020040	.457	.363	.005010	.465	.217	.005010	.470	.094	.005015	.472	.200	.005010	.476	.144	.032060
.450	.290	.080100	.457	.407	.015025	.465	.221	.005010	.470	.116	.035050	.472	.211	.005010	.476	.163	.015030
.450	.292	.015025	.458	.172	.062090	.465	.222	.060070	.470	.118	.025042	.472	.236	.005010	.476	.169	.070080
.450	.295	.015030	.458	.250	.040062	.465	.229	.005010	.470	.119	.010025	.472	.237	.015030	.476	.181	.030040
.450 .450	.316 .317	.005030 .005025	.459 .459	.172 .173	.050075 .005050	.465 .465	.252 .261	.006015 .005010	.470 .470	.138 .143	.015025 .012050	.472 .472	.238 .239	.005010	.476 .476	.190 .210	.015030 .105125
.450	.320	.005025	.459	.173	.040050	.465	.283	.075090	.470	.149	.005010	.472	.239	.075090	.476	.240	.010025
.450	.350	.015025	.459	.290	.060080	.465	.285	.080090	.470	.150	.060090	.472	.245	.030040	.476	.289	.010030
.450	.368	.010020	.459	.312	.040060	.465	.314	.015025	.470	.158	.050070	.472	.246	.030050	.476	.314	.010020
.450	.370	.015030	.459	.337	.040060	.465	.345	.005010	.470	.159	.050070	.472	.265	.005010	.476	.324	.025040
.450	.375	.025042	.459	.347	.020030	.465	.402	.005020	.470	.176	.060080	.472	.268	.070090	.476	.376	.010020
.451	.146	.020030	.459	.350	.020030	.466	.125	.015030	.470	.187	.110130	.472	.270	.090105	.476	.404	.005010
.451	.188	.020030	.460	.040	.010020	.466	.127	.020040	.470	.200	.005010	.472	.282	.020040	.477	.132	.030040
.451	.241	.025040 .030050	.460	.143	.020040	.466	.189	.020040	.470	.210	.035050	.472	.289	.005010	.477	.140	.005010 .005010
.451 .451	.267 .274	.030030	.460 .460	.159 .194	.005010 .005010	.466 .466	.191 .198	.020045 .040060	.470 .470	.218 .225	.010040 .030050	.472 .472	.315 .316	.025040	.477 .477	.168 .178	.005010
.451	.315	.040062	.460	.244	.020040	.466	.205	.020030	.470	.228	.010020	.472	.317	.050070	.477	.201	.020030
.451	.317	.005010	.460	.279	.005010	.466	.210	.020035	.470	.239	.005010	.472	.319	.005030	.477	.266	.005010
.451	.334	.020030	.460	.301	.005010	.466	.218	.050070	.470	.255	.047085	.472	.376	.005010	.477	.302	.025040
.451	.344	.030050	.460	.306	.005010	.466	.241	.020040	.470	.259	.060080	.472	.379	.005010	.477	.390	.010020
.451	.353	.010020	.460	.313	.020030	.466	.251	.025040	.470	.265	.032048	.472	.387	.025035	.478	.170	.010020
.451	.378	.020030	.460	.319	.020040	.466	.259	.080100	.470	.271	.010020	.472	.399	.010020	.478	.222	.025040
.451	.395	.005010	.460	.378	.030042	.466	.264	.005010	.470	.276	.050075	.473	.039	.005010	.478	.253	.005010
.452	.036 .102	.010020	.460 461	.380 .091	.005015	.466 466	.290 .293	.020030 .005010	.470 .470	.279 .280	.005010	.473 .473	.070 157	.010020 .005010	.478 .478	.254 .255	.015030 .090105
.452 .452	.250	.015030 .040060	.461 .461	.215	.005010 .045060	.466 .466	.319	.010010	.470 .470	.290	.010020 .015030	.473	.157 .172	.120135	.478	.255	.090105
.452	.257	.010020	.461	.334	.005010	.466	.321	.010020	.470	.312	.020030	.473	.205	.005010	.478	.315	.050070
.452	.284	.005010	.461	.355	.015025	.466	.344	.015030	.470	.316	.005010	.473	.217	.015030	.478	.316	.025040
.452	.328	.040060	.462	.062	.030050	.466	.380	.005010	.470	.317	.005010	.473	.227	.005010	.478	.322	.005010
.452	.339	.010020	.462	.090	.025042	.467	.103	.010020	.470	.319	.015030	.473	.238	.030050	.478	.325	.050070
.453	.236	.030050	.462	.100	.060080	.467	.189	.075105	.470	.324	.020040	.473	.240	.010020	.478	.343	.005010
.453	.243	.020030	.462	.158	.040060	.467	.201	.015030	.470	.330	.020030	.473	.242	.030050	.478	.375	.050062
.453	.275	.010020	.462	.165	.005010	.467	.204	.005010	.470	.338	.005010	.473	.243	.005020	.479	.127	.005010
.453	.300	.030050	.462	.203	.010030	.467	.213	.015030	.470	.340	.005012	.473	.248	.020030	.479	.160	.050075
.453 .453	.308 .330	.015030 .031048	.462 .462	.288 .318	.005010 .070080	.467 .467	.218 .245	.015020 .025040	.470 .470	.341 .346	.050075 .010020	.473 .473	.262 .274	.005010	.479 .479	.178 .210	.005010 .025036
.453	.354	.040060	.462	.324	.005010	.467	.251	.050072	.470	.350	.010020	.473	.284	.030050	.479	.219	.020040
.453	.378	.031042	.462	.336	.050060	.467	.260	.030050	.470	.360	.005010	.473	.289	.030050	.479	.294	.005010
.453	.398	.010020	.462	.377	.015025	.467	.294	.020030	.470	.369	.005010	.473	.315	.005010	.479	.377	.015030
.454	.107	.005010	.463	.073	.015030	.467	.323	.005015	.470	.373	.020035	.473	.317	.010020	.479	.380	.005008
.454	.136	.030050	.463	.166	.015030	.467	.380	.005010	.470	.380	.030040	.473	.318	.005010	.479	.385	.005010
.454	.193	.070090	.463	.188	.060080	.467	.382	.005010	.470	.384	.015025	.473	.319	.005010	.479	.412	.005010
.454	.228	.005010	.463	.189	.025040	.467	.420	.005010	.470	.418	.005010	.473	.320	.005020	.479	.424	.020025
.454	.320	.025040	.463	.222	.025040	.468	.084	.010025	.471	.126	.040050	.473	.321	.005010	.480	.062	.020040
.454 .454	.356 .390	.020030 .005010	.463 .463	.224 .245	.010020 .030060	.468 .468	.128 .150	.005015 .030050	.471 .471	.130 .149	.030080 .005010	.473 .474	.397 .126	.005030	.480 .480	.086 .127	.015030 .005010
.454	.421	.005010	.463	.245	.050060	.468	.222	.040060	.471	.165	.005010	.474	.238	.010020	.480	.159	.005010
.455	.080	.005010	.463	.263	.060075	.468	.254	.010015	.471	.170	.020030	.474	.260	.020070	.480	.166	.030050
.455	.141	.010020	.463	.267	.030050	.468	.257	.005010	.471	.174	.005010	.474	.261	.040060	.480	.170	.005010
.455	.145	.005010	.463	.270	.005010	.468	.258	.020040	.471	.197	.030040	.474	.278	.005010	.480	.192	.005010
.455	.186	.025040	.463	.288	.005010	.468	.259	.010090	.471	.203	.115135	.474	.279	.005010	.480	.196	.040060
.455	.187	.025035	.463	.313	.005010	.468	.261	.005015	.471	.205	.100125	.474	.284	.005010	.480	.201	.015030

O.D.	I.D.	Choose Any Thickness*															
.480	.215	.030050	.485	.320	.010040	.490	.265	.005010	.494	.204	.005010	.496	.249	.005010	.498	.262	.032104
.480	.222	.005010	.485	.328	.032050	.490	.295	.005010	.494	.211	.005010	.496	.252	.020040	.498	.265	.050075
.480	.237	.040060	.485	.336	.010020	.490	.301	.005010	.494	.224	.005010	.496	.253	.020070	.498	.269	.050070
.480	.250	.005010	.485	.347	.020030	.490	.302	.005010	.494	.240	.100125	.496	.255	.005010	.498	.300	.020030
.480	.251	.030050	.485	.350	.020030	.490	.313	.015030	.494	.241	.005010	.496	.260	.015030	.498	.302	.025040
.480	.256	.070090	.485	.354	.010020	.490	.315	.015020	.494	.261	.010020	.496	.262	.015030	.498	.315	.005010
.480	.260	.015030	.485	.376	.015025	.490	.316	.015020	.494	.262	.025040	.496	.263	.015030	.498	.321	.010020
.480	.276	.010020	.485	.385	.015030	.490	.343	.030040	.494	.265	.010060	.496	.265	.060080	.498	.323	.020040
.480	.310	.040060	.485	.386	.015025	.490	.344	.005010	.494	.273	.005010	.496	.304	.080080	.498	.328	.060075
.480	.325	.010020	.485	.402	.030050	.490	.353	.010020	.494	.274	.005010	.496	.318	.040080	.498	.337	.015030
.480	.330	.020040	.485	.411	.020040	.490	.360	.020040	.494	.278	.010020	.496	.319	.005010	.498	.339	.020035
.480	.350	.020040	.485	.412	.020040	.490	.377	.050070	.494	.280	.005010	.496	.332	.005010	.498	.341	.050070
.480	.354	.005010	.485	.431	.005010	.490	.378	.010042	.494	.282	.005010	.496	.332	.030050	.498	.344	.015025
.480 .480	.360 .365	.015030	.486 .486	.062 .128	.030050 .015030	.490 .490	.380 .391	.005010 .016025	.494 .494	.314 .321	.015050 .010020	.496 .496	.343 .346	.030042 .050070	.498 .498	.377 .380	.005010 .010015
.480	.368	.015025	.486	.220	.025040	.490	.393	.030042	.494	.322	.050070	.496	.349	.050075	.498	.392	.005042
.480	.370	.015030	.486	.224	.040060	.490	.412	.005010	.494	.323	.005078	.496	.353	.050070	.498	.399	.015025
.480	.371	.020030	.486	.230	.030050	.490	.416	.005015	.494	.325	.025035	.496	.377	.050070	.498	.408	.005010
.480	.380	.005010	.486	.260	.010020	.491	.136	.020040	.494	.348	.030050	.496	.380	.005040	.498	.426	.005010
.480	.391	.005010	.486	.315	.015030	.491	.172	.005010	.494	.367	.005010	.496	.381	.015075	.499	.065	.015025
.480	.407	.015030	.486	.327	.005050	.491	.207	.020030	.494	.370	.008015	.496	.390	.030040	.499	.072	.050075
.480	.417	.005010	.486	.355	.005010	.491	.250	.005010	.494	.373	.005010	.496	.400	.005010	.499	.090	.040060
.481	.089	.005010	.486	.404	.010020	.491	.252	.100134	.494	.380	.005010	.496	.433	.005010	.499	.094	.042062
.481	.126	.020040	.487	.042	.025042	.491	.253	.005075	.494	.399	.025040	.496	.437	.005010	.499	.118	.060080
.481	.161	.005010	.487	.071	.010020	.491	.254	.050075	.494	.420	.008015	.497	.088	.020030	.499	.123	.050060
.481	.188	.020030	.487	.120	.005010	.491	.256	.040060	.495	.034	.015025	.497	.098	.030050	.499	.125	.005010
.481	.200	.005020	.487	.225	.010032	.491	.265	.090105	.495	.040	.005010	.497	.137	.030048	.499	.138	.005010
.481 .481	.246 .256	.015040	.487 .487	.233 .256	.040060 .025040	.491 .491	.266 .267	.010030 .005010	.495 .495	.063 .064	.020035 .005010	.497 .497	.138 .166	.030048 .010020	.499 .499	.142 .170	.030050 .020030
.481	.256	.005010	.487 .487	.256	.025040	.491	.268	.005010	.495	.064	.040062	.497	.191	.060080	.499	.170	.050072
.481	.336	.005010	.487	.270	.090110	.491	.317	.010020	.495	.136	.030050	.497	.193	.025040	.499	.175	.010020
.481	.361	.040060	.487	.272	.005010	.491	.320	.010020	.495	.143	.100125	.497	.196	.005010	.499	.190	.020030
.481	.383	.010020	.487	.286	.015030	.491	.338	.030050	.495	.158	.030060	.497	.215	.005010	.499	.192	.005030
.481	.387	.010020	.487	.321	.040060	.491	.385	.015030	.495	.162	.048075	.497	.220	.020070	.499	.193	.005075
.481	.390	.050060	.487	.327	.030040	.491	.393	.005010	.495	.170	.005010	.497	.250	.015030	.499	.194	.005010
.481	.402	.005010	.487	.336	.025040	.492	.124	.110130	.495	.184	.070090	.497	.252	.005025	.499	.201	.050075
.482	.173	.030050	.487	.337	.020040	.492	.193	.030050	.495	.190	.010020	.497	.253	.005010	.499	.203	.080100
.482	.190	.020040	.487	.355	.005020	.492	.201	.040050	.495	.191	.020030	.497	.254	.015060	.499	.215	.010020
.482	.315	.020040	.487	.364	.005010	.492	.204	.105125	.495	.195	.005010	.497	.258	.090110	.499	.229	.005010
.482	.329	.050075	.487	.399	.005010	.492	.250	.020040	.495	.200	.030050	.497	.259	.010040	.499	.239	.030040
.482 .482	.332 .334	.020040 .005010	.487 .488	.402 .031	.005010 .005010	.492 .492	.254 .255	.030060 .030050	.495 .495	.203 .210	.050070 .025040	.497 .497	.280 .287	.015030 .005015	.499 .499	.240 .243	.048070 .005010
.482	.359	.010040	.488	.054	.025040	.492	.256	.010020	.495	.215	.010020	.497	.315	.005013	.499	.246	.005010
.482	.396	.005010	.488	.096	.060090	.492	.260	.070090	.495	.223	.050070	.497	.316	.035050	.499	.250	.080100
.483	.033	.010020	.488	.118	.080104	.492	.276	.005010	.495	.225	.075090	.497	.318	.015030	.499	.254	.035060
.483	.077	.020040	.488	.137	.005010	.492	.281	.030050	.495	.236	.010020	.497	.319	.015030	.499	.257	.005010
.483	.149	.005060	.488	.193	.050070	.492	.290	.020030	.495	.252	.040060	.497	.324	.005010	.499	.258	.015030
.483	.152	.015060	.488	.281	.032062	.492	.323	.005010	.495	.268	.080100	.497	.337	.005010	.499	.259	.030050
.483	.202	.042062	.488	.315	.005010	.492	.328	.012020	.495	.282	.042072	.497	.344	.062075	.499	.264	.010020
.483	.247	.005010	.488	.365	.010020	.492	.377	.030050	.495	.285	.015040	.497	.347	.005030	.499	.265	.025040
.483	.360	.030040	.488	.400	.005010	.492	.379	.005010	.495	.286	.015040	.497	.406	.005010	.499	.281	.080100
.483	.375	.025040	.489	.180	.030050	.492	.380	.005010	.495	.298	.025045	.497	.410	.020030	.499	.313	.005010
.483	.379	.030040	.489	.189	.025040	.492	.393	.020042	.495	.310	.010030	.497	.437	.005010	.499	.318	.050070
.484	.119	.020040	.489	.192	.020030	.493	.125	.015030	.495	.312	.005010	.497	.442	.005030	.499	.323	.010060
.484 .484	.143	.016025 .005010	.489 .489	.205	.030060	.493 .493	.131 .145	.020040	.495 .495	.315	.040060	.498	.063	.050062 .040060	.499	.326	.030050 .005010
.484 .484	.257	.050075	.489	.230	.040060	.493	.145	.005010	.495	.325	.020040	.498	.078	.040060	.499	.329	.005010
.484	.285	.060080	.489	.296	.010020	.493	.193	.075090	.495	.327	.080100	.498	.096	.030050	.499	.377	.050060
.484	.313	.050072	.489	.303	.010020	.493	.198	.005010	.495	.329	.010030	.498	.122	.020040	.499	.381	.005060
.484	.350	.010020	.489	.304	.020040	.493	.207	.005010	.495	.337	.060080	.498	.126	.010015	.499	.394	.005010
.484	.370	.005010	.489	.315	.005010	.493	.244	.050070	.495	.347	.035050	.498	.130	.005010	.499	.409	.025042
.484	.379	.040060	.489	.320	.040060	.493	.258	.020040	.495	.361	.050065	.498	.134	.010020			
.484	.398	.040060	.489	.333	.020030	.493	.282	.050075	.495	.363	.040060	.498	.148	.060080			
.484	.432	.005010	.489	.338	.035050	.493	.284	.030050	.495	.381	.010020	.498	.173	.020040			
.485	.115	.015030	.489	.382	.005010	.493	.300	.030050	.495	.401	.010025	.498	.175	.100125			
.485	.120	.010080	.489	.431	.005010	.493	.316	.025040	.495	.440	.005008	.498	.184	.005010			
.485	.162	.020040	.490	.126	.070090	.493	.320	.060080	.496	.041	.030042	.498	.187	.015030			
.485	.170	.040060	.490	.127	.025040	.493	.350	.005010	.496	.085	.005010	.498	.197	.040062	_		00
.485 485	.200	.005010	.490	.155	.040060	.493	.354	.025040	.496	.128	.020040	.498	.215	.010032			
.485 .485	.250 .257	.015030 .005010	.490 .490	.165 .167	.015030	.493 .493	.369	.005010	.496 .496	.130 .132	.010020	.498	.216	.025042 .050072	.500	.035	.005008
.485 .485	.258	.005010	.490	.170	.020030	.493	.375	.020040	.496	.156	.000000	.498	.220	.020072	.500	.050	.005008
.485	.260	.015025	.490	.174	.020030	.493	.376	.005010	.496	.162	.035050	.498	.232	.020042	.500	.064	.005010
.485	.270	.005010	.490	.189	.030050	.493	.388	.005010	.496	.170	.020030	.498	.239	.025042	.500	.070	.005010
.485	.281	.005010	.490	.230	.005010	.493	.394	.025040	.496	.186	.070090	.498	.247	.015030	.500	.071	.005010
.485	.288	.005010	.490	.250	.005010	.494	.032	.005010	.496	.194	.030050	.498	.248	.005010	.500	.072	.040062
.485	.312	.030050	.490	.252	.005010	.494	.081	.005016	.496	.203	.005012	.498	.251	.005010	.500	.077	.005010
.485	.313	.010020	.490	.259	.090110	.494	.131	.030050	.496	.205	.005060	.498	.252	.005010	.500	.082	.008025
. 100			400	000	005 010	101	160		406		005 010	100			.500	006	
.485	.317 .319	.005010 .010020	.490 .490	.260 .260	.005010 .020040	.494 .494	.162	.020030 .050070	.496 .496	.218	.005010 .005010	.498 .498	.257 .259	.010020 .090120	.500	.086 .088	.005010 .040060

Dec									BUKER	2 ME	IAL	WASHER	3 AIL	I LA	AND I	JIVIDE	LUL	BURKED
Sept	O.D.	I.D.		O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.		O.D.	I.D.	Thickness*
Mary			From To			From To			From To			From To			From To			From To
100																		
100																		
Section Column																		
																		.020032
	.500	.112	.030050	.500	.269	.020036	.501	.202	.005010	.504	.343	.070090	.511	.165	.040060	.516	.156	.030050
	.500	.113	.020040	.500	.270	.005090	.501	.205	.030100	.504	.361	.005010	.511	.237	.005010	.516	.195	.008015
1.00																		
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1.00																		
Section 131																		
1.500 1.32																		
500 138 005 - 010 500 289 015 - 080 501 281 085 015																		
140	.500	.133	.005010	.500	.289	.015030	.501	.253	.005125	.505	.149		.511	.327	.020040	.516	.445	.005010
500 144 008 - 016 500 286 012 - 028 012 - 028 020 - 030 050 220 010 - 020 512 188 040 - 020 517 341 040 - 020 050	.500	.136	.012020	.500	.291	.025040	.501	.254	.048072	.505	.167	.025040	.511	.383	.015030	.517	.331	.030050
142 180 142 180 142 180 142 180 150 286 101 102 281 283 285	.500														.005010			
500																		
500 145 007 - 102 500 509 300 005 501 521 005 - 101 505 301 005 - 301 505 305 512 238 005 - 010 517 417 005 - 010 500																		
146 0.055 0.050																		
140																		
1500 1500 0.08 .050 .500																		
500 153 005 - 010 500 305 005 - 201 318 005 - 090 505 341 025 - 075 512 312 010 - 202 518 234 015 - 020 500 136 005 - 010 500 319 005 - 301 340 007 - 900 505 386 022 - 040 512 320 005 - 010 518 234 005 - 010 500 138 005 - 010 518 005 - 010																		
500 160 0.05010 500 312 0.15030 501 340 0.070090 505 386 0.20005 512 320 0.05010 518 336 0.05010 505																		
1.63 0.65 0.77 0.65 0.71 0.65 0.71 0.65 0.75 0.75					.309		.501	.322		.505	.355	.025040	.512	.317		.518	.253	.005010
1.60																		
1.500 1.68 0.25 - 0.75 5.60 315 0.15 - 1.04 5.01 375 0.15 - 0.05 5.00 5																		
1.70																		
1.72 0.006 0.050 0.500 317 0.055 0.050 0.501 379 0.030 0.050 0.505 0.507 0.501 0.512 385 0.055 0.101 0.512 0.555 0.501 0.506 0.505 0.505 0.055 0.0																		
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1.500 1.76 0.60 0.070 5.00 3.19 0.25 0.05 0.01 3.88 0.10 0.20 5.00 5.00 0.05 0.01 5.12 4.33 0.05 0.10 1.01 3.00 5.00																		
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	.500	.177	.060075	.500	.320	.015025	.501	.397	.005010	.506	.220	.040060	.513	.119	.040060	.519	.170	.050070
1.500 1.687 1.500 1.687 1.500 3.27 1.200 1.500	.500	.180	.025040	.500		.005010		.400	.030050			.040060		.126	.015030	.519		.030040
1.500 188 0.050 0.500 5.00 3.28 0.48 0.70 5.01 4.09 0.30 0.48 5.06 2.66 0.05 0.01 5.13 1.74 0.30 0.500 5.19 3.97 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.10 0.05 0.01 0.05 0.05 0.05 0.01 0.05																		
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500 200 .040075 500 .366 .005010 .502 .188 .062090 .507 .319 .005010 .513 .383 .005010 .520 .346 .020030 .500 .201 .010020 .500 .361 .050060 .502 .189 .030050 .507 .368 .005030 .513 .346 .005010 .520 .380 .005010 .500 .203 .006 .203 .006 .203 .006 .203 .006 .203 .006 .203 .006 .203 .006 .203 .005 .006 .203 .005 .001 .002 .006 .203 .005 .007 .005 .00			.005135						.080104			.050075			.005010			
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.500 .233 .100125 .500 .412 .005010 .503 .131 .005120 .508 .405 .030050 .515 .191 .050070 .522 .290 .040050 .500 .234 .100120 .500 .415 .012016 .503 .142 .030060 .508 .430 .030040 .515 .206 .080104 .522 .353 .015025 .500 .235 .005010 .500 .441 .010020 .503 .157 .050062 .509 .081 .030050 .515 .218 .005010 .502 .413 .030050 .500 .237 .088125 .500 .446 .005010 .503 .157 .050010 .509 .084 .030050 .515 .227 .030050 .522 .435 .015030 .500 .245 .020030 .500 .452 .010020 .503 .280 .075																		
.500 .235 .005010 .500 .441 .010020 .503 .153 .040050 .509 .031 .030050 .515 .218 .005010 .522 .413 .030050 .500 .237 .008125 .500 .446 .005010 .503 .157 .050062 .509 .064 .030050 .515 .227 .030050 .522 .435 .015030 .500 .238 .105125 .500 .450 .005010 .503 .159 .005010 .509 .080 .030050 .515 .228 .005010 .522 .437 .005010 .500 .245 .020030 .500 .452 .010020 .503 .220 .030040 .509 .285 .010020 .515 .228 .005010 .523 .118 .025040 .500 .251 .015030 .501 .039 .050075 .503 .281 .010																		
.500 .237 .008125 .500 .446 .005010 .503 .157 .050062 .509 .064 .030050 .515 .227 .030050 .522 .435 .015030 .500 .238 .105125 .500 .450 .005010 .503 .159 .005010 .509 .080 .030050 .515 .228 .005010 .522 .437 .005010 .500 .245 .020030 .500 .452 .010020 .503 .280 .075100 .509 .285 .010020 .515 .253 .105125 .523 .118 .025040 .500 .251 .015030 .501 .099 .050075 .503 .281 .010020 .509 .285 .010020 .515 .260 .020040 .523 .252 .070090 .500 .251 .015030 .501 .130 .030050 .503 .281 .010																		
.500 .238 .105125 .500 .450 .005010 .503 .159 .005010 .509 .080 .030050 .515 .228 .005010 .522 .437 .005010 .500 .245 .020030 .500 .452 .010020 .503 .205 .030040 .509 .219 .025042 .515 .253 .105125 .523 .118 .025040 .500 .250 .010134 .501 .061 .005020 .503 .280 .075100 .509 .285 .010020 .515 .260 .020040 .523 .252 .070090 .500 .251 .015030 .501 .099 .050075 .503 .281 .010020 .509 .286 .010020 .515 .308 .008015 .523 .273 .005010 .500 .254 .005050 .501 .130 .030050 .503 .316 .005																		
.500 .245 .020030 .500 .452 .010020 .503 .205 .030040 .509 .219 .025042 .515 .253 .105125 .523 .118 .025040 .500 .250 .010134 .501 .061 .005020 .503 .280 .075100 .509 .285 .010020 .515 .260 .020040 .523 .252 .070090 .500 .251 .015030 .501 .099 .050075 .503 .281 .010020 .509 .286 .010020 .515 .308 .008015 .523 .273 .005010 .500 .253 .005050 .501 .130 .030050 .503 .315 .005010 .509 .298 .050070 .515 .310 .008015 .523 .396 .015030 .500 .254 .005083 .501 .131 .025040 .503 .318 .005																		
.500 .250 .010134 .501 .061 .005020 .503 .280 .075100 .509 .285 .010020 .515 .260 .020040 .523 .252 .070090 .500 .251 .015030 .501 .099 .050075 .503 .281 .010020 .509 .286 .010020 .515 .308 .008015 .523 .273 .005010 .500 .253 .005050 .501 .130 .030050 .503 .315 .005010 .509 .298 .050070 .515 .310 .008015 .523 .396 .015030 .500 .254 .005083 .501 .131 .025040 .503 .318 .005010 .509 .430 .020035 .515 .315 .008015 .523 .402 .005010 .500 .255 .005030 .501 .136 .005020 .503 .318 .050																		
.500 .251 .015030 .501 .099 .050075 .503 .281 .010020 .509 .286 .010020 .515 .308 .008015 .523 .273 .005010 .500 .253 .005050 .501 .130 .030050 .503 .315 .005010 .509 .298 .050070 .515 .310 .008015 .523 .396 .015030 .500 .254 .005083 .501 .131 .025040 .503 .316 .005010 .509 .430 .020035 .515 .315 .008015 .523 .402 .005010 .500 .255 .005030 .501 .136 .005020 .503 .318 .050070 .510 .053 .015025 .515 .316 .008015 .523 .402 .005010 .500 .257 .005104 .501 .139 .075105 .503 .363 .005																		
.500 .253 .005050 .501 .130 .030050 .503 .315 .005010 .509 .298 .050070 .515 .310 .008015 .523 .396 .015030 .500 .254 .005083 .501 .131 .025040 .503 .316 .005070 .510 .503 .515 .315 .008015 .523 .402 .005010 .500 .255 .005030 .501 .136 .005020 .503 .318 .050070 .510 .053 .015025 .510 .083 .008015 .523 .402 .005010 .500 .257 .005010 .501 .139 .075105 .503 .363 .005010 .510 .156 .025042 .515 .318 .005010 .501 .150 .523 .406 .032050 .500 .258 .100120 .501 .143 <t.070090< td=""> .503 .383</t.070090<>																		
.500 .254 .005083 .501 .131 .025040 .503 .316 .005010 .509 .430 .020035 .515 .315 .008015 .523 .402 .005010 .500 .255 .005030 .501 .136 .005020 .503 .318 .050070 .510 .053 .015025 .515 .316 .008015 .523 .406 .032050 .500 .257 .005104 .501 .139 .075105 .503 .363 .005010 .510 .156 .025042 .515 .318 .005010 .523 .411 .040060 .500 .258 .100120 .501 .143 .070090 .503 .383 .005010 .510 .210 .075090 .515 .322 .015025 .523 .428 .015030 .500 .259 .100125 .501 .158 .005010 .503 .387 .005010 .510 .251 .020040 .515 .378 .005010																		
.500 .255 .005030 .501 .136 .005020 .503 .318 .050070 .510 .053 .015025 .515 .316 .008015 .523 .406 .032050 .500 .257 .005104 .501 .139 .075105 .503 .363 .005010 .510 .156 .025042 .515 .318 .005010 .523 .411 .040060 .500 .258 .100120 .501 .143 .070090 .503 .383 .005010 .510 .210 .075090 .515 .322 .015025 .523 .428 .015030 .500 .259 .100125 .501 .158 .005010 .503 .387 .005010 .510 .251 .020040 .515 .377 .005010 .524 .286 .030048 .500 .260 .005020 .501 .168 .045060 .503 .411 .005010 .510 .269 .005010 .515 .378 .020030																		
.500 .258 .100120 .501 .143 .070090 .503 .383 .005010 .510 .210 .075090 .515 .322 .015025 .523 .428 .015030 .500 .259 .100125 .501 .158 .005010 .503 .387 .005010 .510 .251 .020040 .515 .377 .005010 .524 .286 .030048 .500 .260 .005020 .501 .168 .045060 .503 .411 .005010 .510 .269 .005010 .515 .378 .020030 .524 .323 .020060																		
.500 .259 .100125 .501 .158 .005010 .503 .387 .005010 .510 .251 .020040 .515 .377 .005010 .524 .286 .030048 .500 .260 .005020 .501 .168 .045060 .503 .411 .005010 .510 .269 .005010 .515 .378 .020030 .524 .323 .020060		.257		.501	.139		.503	.363		.510	.156	.025042			.005010		.411	
.500 .260 .005020 .501 .168 .045060 .503 .411 .005010 .510 .269 .005010 .515 .378 .020030 .524 .323 .020060																		
250 201. 387. 384. 015. 010 200. 388. 316. 301 000. 010.																		
	.500	.201	.050075	.501	.170	.000010	.504	.125	.050104	.010	.200	.040075	.010	.000	.003010	.524	.50/	.013025

									140	100	LING OII	AIIGL	1 011	ANT OF		SIZL	LIGILD
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
		From To			From To			From To			From To			From To			From To
.524	.396	.005010	.530	.375	.005010	.535	.338	.025040	.542	.178	.030050	.550	.120	.005060	.551	.418	.036060
.524	.409	.010020	.530	.377	.005010	.535	.343	.008015	.542	.303	.060080	.550	.140	.020040	.551	.443	.010025
.524	.441	.005010	.530	.385	.050060	.535	.357	.005010	.542	.380	.040060	.550	.158	.005010	.551	.461	.005010
.524	.463	.025040	.530	.388	.010020	.535	.378	.012025	.542	.395	.005010	.550	.159	.090100	.551	.472	.005030
.525	.068	.015032	.530	.393	.005010	.535	.379	.010020	.542	.437	.010020	.550	.173	.015030	.552	.093	.025040
.525	.156	.090105	.530	.397	.025035	.535	.384	.010020	.542	.440	.020040	.550	.190	.020030	.552	.094	.005008
.525	.187	.015030	.530	.403	.005010	.535	.445	.005010	.542	.453	.005010	.550	.193	.005060	.552	.129	.031048
.525 .525	.201 .252	.060080	.530 .530	.417	.005010	.536 .536	.105 .191	.030050	.543 .543	.198	.040060 .020040	.550	.197 .208	.005010 .048062	.552 .552	.160 .202	.020040 .015030
.525	.258	.005010 .060080	.530	.441 .450	.015030	.536	.242	.075090 .005010	.543	.316 .333	.020040	.550 .550	.240	.046062	.552	.202	.060080
.525	.308	.000000	.530	.468	.005030	.536	.259	.100125	.543	.346	.030050	.550	.245	.020040	.552	.212	.000000
.525	.346	.060080	.530	.490	.005030	.536	.264	.010020	.543	.377	.030030	.550	.250	.040100	.552	.237	.005010
.525	.357	.005010	.531	.143	.015050	.536	.264	.030050	.543	.433	.005010	.550	.255	.020032	.552	.238	.005010
.525	.358	.070080	.531	.158	.032048	.536	.276	.005010	.543	.441	.005010	.550	.259	.005040	.552	.240	.010020
.525	.375	.005010	.531	.180	.050075	.536	.324	.025040	.544	.189	.005010	.550	.266	.010020	.552	.276	.030040
.525	.378	.030050	.531	.191	.012020	.536	.346	.010015	.544	.206	.020040	.550	.271	.005010	.552	.286	.010020
.525	.390	.060080	.531	.200	.015030	.537	.104	.016025	.544	.226	.010020	.550	.282	.035125	.552	.305	.025060
.525	.401	.020040	.531	.202	.015030	.537	.243	.105125	.544	.227	.020040	.550	.300	.042062	.552	.319	.005010
.525	.428	.005015	.531	.206	.005030	.537	.283	.105125	.544	.311	.030040	.550	.304	.030060	.552	.320	.090110
.526	.195	.030050	.531	.213	.005010	.537	.370	.040060	.544	.324	.005010	.550	.315	.005048	.552	.321	.005010
.526	.203	.030050	.531	.230	.105125	.537	.375	.005010	.544	.325	.020040	.550	.316	.005030	.552	.387	.040060
.526	.256	.030050	.531	.254	.060083	.537	.394	.010020	.544	.385	.005010	.550	.317	.015030	.552	.395	.005015
.526	.270	.010020	.531	.257	.010060	.537	.409	.025040	.544	.421	.005010	.550	.319	.005010	.552	.396	.050075
.526	.357	.005010	.531	.264	.030050	.538	.210	.030060	.544	.449	.015030	.550	.322	.030050	.552	.397	.005010
.526	.437	.015030	.531	.271	.025035	.538	.219	.005010	.544	.463	.005010	.550	.323	.008020	.552	.398	.005010
.527	.129	.015025	.531	.295	.015030	.538	.257	.015030	.544	.502	.010020	.550	.332	.005010	.552	.400	.025040
.527	.145	.005010	.531	.317	.010060	.538	.309	.010020	.545	.100	.042060	.550	.344	.060083	.552	.401	.010015
.527	.346	.040060	.531	.330	.040060	.538	.340	.030050	.545	.187	.005012	.550	.351	.005010	.552	.425	.040050
.527	.348	.032050	.531	.335	.090120	.538	.342	.040060	.545	.244	.005060	.550	.357	.040062	.552	.434	.015030
.527	.369	.005010	.531	.340	.050070	.538	.385	.050075	.545	.260	.050070	.550	.375	.005020	.552	.438	.005010
.527	.393	.030050	.531	.346	.042062	.538	.440	.005010	.545	.313	.005010	.550	.380	.005020	.552	.478	.005010
.527	.437	.010020	.531	.348	.050072	.538	.457	.005010	.545	.319	.015050	.550	.381	.040060	.553	.176	.010020
.527	.443	.020040	.531	.350	.040062	.539	.195	.025050	.545	.346	.042062	.550	.390	.070090	.553	.212	.060080
.528	.128	.010020	.531	.386	.010020	.539	.252	.060080	.545	.378	.040060	.550	.398	.005010	.553	.229	.005010
.528	.152	.005012	.531	.406	.050060	.539	.278	.015030	.545	.382	.040062	.550	.400	.050070	.553	.237	.005010
.528	.201	.010020	.531	.438	.005010	.539	.318	.005010	.545	.385	.005010	.550	.404	.020040	.553	.242	.040060
.528	.209	.010020	.531	.463	.015030	.539	.366	.005010	.545	.409	.010020	.550	.408	.040060	.553	.320	.005010
.528	.236	.040060	.532	.073	.010020	.539	.367	.025040	.545	.410	.020030	.550	.409	.060075	.553	.396	.015030
.528 .528	.254 .265	.005010 .030060	.532 .532	.166 .201	.100125 .005010	.539 .539	.380 .399	.025042 .005030	.545 .545	.442 .445	.005010	.550 .550	.415 .421	.005010 .020040	.554 .554	.154 .240	.015030 .005010
.528	.268	.040060	.532	.207	.062090	.539	.420	.005030	.546	.217	.005010	.550	.427	.020040	.554	.249	.030050
.528	.308	.005010	.532	.250	.002030	.539	.425	.005010	.546	.259	.005010	.550	.429	.035050	.554	.258	.025035
.528	.360	.025040	.532	.329	.040075	.539	.447	.005010	.546	.271	.010020	.550	.479	.005010	.554	.318	.090110
.528	.410	.040060	.532	.381	.030050	.539	.469	.007015	.546	.305	.005010	.550	.487	.010020	.554	.330	.005010
.528	.439	.010020	.532	.395	.005010	.540	.162	.032062	.546	.375	.030050	.550	.498	.005010	.554	.370	.005020
.528	.453	.005010	.532	.451	.005010	.540	.186	.060070	.546	.378	.015030	.551	.081	.005010	.554	.379	.010020
.529	.132	.005010	.532	.468	.020040	.540	.220	.020040	.546	.410	.020030	.551	.095	.012020	.554	.405	.030048
.529	.175	.015030	.532	.490	.012020	.540	.229	.030050	.546	.435	.020040	.551	.141	.005010	.554	.440	.020040
.529	.234	.070090	.533	.067	.010020	.540	.262	.010020	.547	.144	.005010	.551	.161	.005010	.554	.468	.010025
.529	.280	.015030	.533	.201	.010020	.540	.280	.030060	.547	.160	.010015	.551	.166	.030105	.555	.125	.030050
.529	.313	.030048	.533	.224	.040060	.540	.282	.042062	.547	.214	.005010	.551	.172	.080100	.555	.131	.060080
.529	.331	.020040	.533	.236	.005010	.540	.284	.015030	.547	.256	.005010	.551	.201	.005010	.555	.154	.020040
.529	.375	.050075	.533	.240	.050070	.540	.320	.005010	.547	.258	.005010	.551	.220	.015025	.555	.173	.105135
.529	.385	.005010	.533	.266	.090105	.540	.321	.010020	.547	.293	.060070	.551	.225	.070090	.555	.250	.010020
.529	.439	.015030	.533	.274	.005010	.540	.333	.015025	.547	.296	.010130	.551	.236	.005010	.555	.253	.080104
.530	.066	.035060	.533	.367	.070090	.540	.347	.078104	.547	.312	.005010	.551	.238	.005020	.555	.265	.020040
.530	.090	.010020	.533	.389	.020030	.540	.348	.015030	.547	.317	.050070	.551	.240	.005050	.555	.308	.005010
.530	.099	.015030	.533	.411	.010025	.540	.388	.050070	.547	.320	.030050	.551	.246	.060080	.555	.318	.005010
.530	.130	.040060	.534	.039	.015030	.540	.391	.030050	.547	.365	.005010	.551	.253	.005010	.555	.320	.060080
.530	.153	.080104	.534	.131	.030050	.540	.392	.010020	.547	.405	.005020	.551	.264	.070090	.555	.328	.050078
.530	.180	.005010	.534	.186	.070090	.540	.395	.005010	.548	.095	.040060	.551	.278	.005010	.555	.356	.050060
.530	.191	.005010	.534	.193	.015030	.540	.399	.025040	.548	.170	.050070	.551	.284	.030050	.555	.360	.050070
.530	.206	.100125	.534	.207	.030050	.540	.408	.015025	.548	.211	.015030	.551	.294	.012025	.555	.438	.005010
.530	.219	.030050	.534	.220	.005010	.540	.409	.005010	.548	.303	.005016	.551	.300	.020040	.555	.440	.005010
.530 .530	.222	.020035 .005010	.534	.284	.060083	.540 .540	.413 .420	.040050	.548 .548	.325	.060080	.551 .551	.315	.005010	.555	.443	.015030
.530	.253	.015030	.534	.394	.030050	.540	.420 .446	.005010	.548	.329	.025040	.551	.316 .317	.005050	.555	.445 .475	.030045
.530	.255	.015030	.534	.441	.030030	.540	.152	.060090	.548	.401	.050070	.551	.317	.050070	.556	.475	.030045
.530	.270	.100125	.535	.064	.012020	.541	.132	.010020	.548	.452	.030070	.551	.320	.005010	.556	.120	.030050
.530	.272	.100125	.535	.228	.075104	.541	.300	.010020	.548	.453	.025040	.551	.321	.005010	.556	.136	.030050
.530	.273	.100125	.535	.238	.010020	.541	.306	.010020	.549	.099	.005010	.551	.322	.005010	.556	.172	.040060
.530	.277	.005010	.535	.239	.005010	.541	.314	.050060	.549	.216	.005010	.551	.330	.050070	.556	.197	.030050
.530	.281	.040050	.535	.244	.015030	.541	.319	.030050	.549	.316	.005010	.551	.357	.015030	.556	.200	.005010
.530	.312	.005010	.535	.298	.010020	.541	.375	.030050	.549	.326	.005010	.551	.377	.010020	.556	.263	.005010
.530		.015070	.535	.310	.025042	.541	.378	.040060	.549	.334	.025040	.551	.378	.010100	.556	.281	.075104
	.314				.005010	.541	.402	.005030	.549	.452	.030060	.551	.385	.005010	.556	.317	.040060
	.314	.010020	.535	.314	.0050101			000									
.530 .530	.315	.010020 .025040	.535 .535	.314 .318	.005010	.541	.407	.040060	.549	.455	.010020	.551	.387	.010020	.556	.323	.040060
.530							.407 .415	.040060 .005010	.549 .549	.455 .476	.010020 .005010	.551 .551	.387 .394	.010020 .005040	.556	.323 .327	.040060 .010020
.530 .530	.315 .316	.025040	.535	.318	.005010	.541											
.530 .530 .530	.315 .316 .320	.025040 .025040	.535 .535	.318 .320	.005010 .016025	.541 .541	.415	.005010	.549	.476	.005010	.551	.394	.005040	.556	.327	.010020

O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*									
O.D.	1.D.	Thickness* From To	0.0.	1.0.	Thickness* From To	O.D.	1.0.	Thickness* From To	O.D.	1.0.	Thickness* From To	O.D.	1.0.	From To	O.D.	1.0.	From To
.557	.242	.010020	.560	.375	.050070	.562	.281	.032050	.564	.214	.030050	.569	.447	.020040	.577	.199	.060090
.557	.262	.010020	.560	.377	.005015	.562	.282	.080100	.564	.252	.075090	.569	.470	.015025	.577	.253	.050070
.557	.276	.005010	.560	.379	.020040	.562	.285	.050070	.564	.253	.040060	.569	.472	.012020	.577	.290	.050070
.557	.317	.020060	.560	.380	.005010	.562	.289	.050070	.564	.256	.020040	.569	.474	.005010	.577	.325	.042062
.557	.380	.040060	.560	.381	.015060	.562	.290	.025040	.564	.283	.005020	.569	.481	.030050	.577	.328	.090120
.557	.387	.025040	.560	.384	.005010	.562	.297	.010020	.564	.286	.015030	.570	.170	.080090	.577	.353	.025040
.557	.396	.050070	.560	.390	.030060	.562	.304	.020030	.564	.311	.025040	.570	.193	.015030	.577	.376	.010025
.557	.421	.010020	.560	.392	.035060	.562	.309	.005010	.564	.337	.010020	.570	.206	.105125	.578	.173	.025042
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.560	.370	.005010	.562	.275	.050075	.564	.208	.040050	.569	.324	.015075	.577	.096	.012025	.585	.264	.025040
				-	. 4												

									140	100	LING OIL	AIIGI	_ 1 011	ANTO	1111	SIZE	JEIGILD
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
	.290	.090105	.590	.379	.025040	.594		From To .005010			.025040			.005010			.015030
.585 .585	.327	.050105	.590	.386	.025040	.594	.405 .423	.005010	.600 .600	.156 .157	.025040	.604 .604	.252 .255	.005010	.610 .610	.395 .409	.015030
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.590 .590	.145 .147	.005010	.593 .593	.195 .196	.015030 .015040	.598 .598	.506 511	.040050 .005015	.600 .601	.550	.005010	.609 .609	.128 .274	.030050 .005010	.614	.207 .268	.020040 .005010
.590	.147	.005020 .060080	.593	.196	.015040	.598	.511 .527	.005015	.601	.159 .165	.080100 .005010	.609	.274	.020032	.614 .614	.330	.005010
.590	.201	.000000	.593	.265	.005010	.599	.128	.060080	.601	.227	.005010	.609	.400	.040060	.614	.354	.050070
.590	.202	.030050	.593	.301	.050070	.599	.149	.025042	.601	.228	.005010	.609	.487	.030060	.614	.373	.050070
.590	.209	.125156	.593	.311	.020050	.599	.189	.010020	.601	.257	.030050	.609	.506	.020030	.614	.388	.015030
.590	.237	.005010	.593	.318	.005010	.599	.201	.075090	.601	.313	.020040	.609	.546	.015025	.614	.402	.010020
.590	.238	.005010	.593	.392	.075095	.599	.254	.080090	.601	.315	.040060	.609	.551	.015025	.614	.434	.030050
.590	.250	.070090	.593	.399	.010020	.599	.257	.050070	.601	.357	.060080	.610	.094	.060080	.614	.456	.030050
.590	.290	.040060	.593	.407	.100120	.599	.378	.030050	.601	.376	.005020	.610	.100	.040060	.614	.479	.005010
.590	.292	.010020	.593	.410	.005010	.599	.383	.030050	.601	.377	.010020	.610	.191	.040060	.614	.482	.008020
.590	.295	.005010	.593	.437	.005010	.599	.400	.035050	.601	.378	.005010	.610	.204	.010030	.614	.534	.005010
.590	.314	.060080	.593	.453	.005010	.599	.401	.005010	.601	.391	.025040	.610	.206	.104125	.614	.540	.005010
.590 590	.316	.005010	.593	.464	.015030	.599	.408 .413	.005060	.601	.401	.040060	.610	.209	.104125	.615	.030	.005010
.590 .590	.317 .318	.040090 .030050	.593 .593	.468 .472	.020040 .005010	.599 .599	.413 .415	.025040 .005010	.601 .601	.428 .438	.010020 .005010	.610 .610	.248 .250	.020032 .020040	.615 .615	.041 .099	.015030 .020030
.590	.324	.030030	.593	.472	.005010	.599	.415 .476	.050070	.601	.436 .461	.005010	.610	.258	.040090	.615	.110	.020030
.590	.327	.050075	.593	.497	.005010	.599	.489	.005010	.601	.480	.005010	.610	.273	.005010	.615	.126	.020030
.590	.329	.042062	.593	.518	.020030	.600	.041	.015025	.602	.101	.080100	.610	.317	.010020	.615	.137	.025080
.590	.331	.010020	.594	.061	.015030	.600	.046	.005010	.602	.180	.050080	.610	.321	.080100	.615	.140	.015030
.590	.334	.005010	.594	.283	.005010	.600	.066	.020035	.602	.254	.005010	.610	.328	.050075	.615	.153	.020030
.590	.339	.035060	.594	.312	.010020	.600	.076	.020030	.602	.255	.040060	.610	.335	.015030	.615	.212	.020030
.590	.340	.010050	.594	.315	.005010	.600	.077	.005010	.602	.407	.025040	.610	.352	.020040	.615	.240	.005010
.590	.344	.032050	.594	.325	.005010	.600	.089	.020040	.602	.486	.040060	.610	.365	.010020	.615	.267	.040060
.590	.345	.040060	.594	.358	.015025	.600	.118	.015030	.603	.227	.030050	.610	.367	.020030	.615	.298	.020030
					070 000	.600	.119	.080100	.603	.479	.040060	.610	.375	.050060	.615	.315	.010020
.590	.355	.005010	.594	.375	.070090												
		.005010 .020032 .005010	.594 .594 .594	.375 .378 .383	.070090	.600	.128	.032048	.603 .603	.498 .504	.010020 .010020	.610 .610	.376	.060125 .010020	.615 .615	.321	.050070

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161 162 163																		
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1615 448 0.00 -0.00 619 449 0.00 -0.00 612 381 410 0.00 -0.00 623 200 0.00	.615	.420	.010020	.619		.005010	.621		.025040	.623	.191		.624	.533		.625	.318	.005125
1815 486	.615	.441	.005010	.619	.440	.005040	.621	.380	.090105	.623	.202	.050090	.624	.564	.005010	.625	.319	.020040
1615 478 030 040 049 481 050 050 021 438 032 040 075 050 050 060 060 070 025 030 030 075															.005010			
1616 510 620 620 640 610 620 620 621 642 620																		
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Section 1992 070 - 1998 2820 1998 089 - 1970 682 1599 048 - 1975 0823 375 070 - 1020 0825 157 100 - 101 6825 3826 039 - 1030 6825 6825 0805 - 101 6825 3826 039 - 1030 6826 039 - 1030 6820 1806 039 - 1030 039																		
6.66 256 0.02 0.022 0.022 0.022 0.026 0.026 0.027 0.020																		
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1.61 288 0.15 - 0.30 6.02 250 0.10 - 0.35 6.02 1.80 0.16 - 0.02 6.02 1.05 0.05 - 0.10 0.	.616													.160				
6.16 323 0.10 0.20 620 252 0.20 0.40 622 1.90 0.20 0.40 623 460 0.50 0.75 0.85 187 0.25 0.50 625 378 0.15 0.05 0.01 0.05 0.10 0.20 0.	.616								.007015						.025042			
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6.66 4.10 .005 - 0.10 .620 .288 .005 - 0.10 .622 .214 .015 - 0.30 .623 .501 .010 - 0.20 .625 .191 .025 - 0.42 .625 .384 .015 - 0.30 .616 .486 .496 .040 - 0.60 .620 .229 .005 - 0.01 .622 .200 .005 - 0.01 .623 .505 .005 - 0.01 .625 .192 .050 - 0.07 .625 .386 .032 - 0.48 .686 .486 .040 - 0.60 .620 .322 .040 - 0.60 .622 .251 .005 - 0.01 .623 .505 .005 - 0.01 .625 .191 .050 - 0.01 .625 .386 .032 - 0.48 .686 .686 .050 .005 - 0.01 .625 .005 - 0.01 .625 .005 - 0.01 .625 .005																		
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617 351 005 - 010 620 370 015 - 025 622 332 050 - 070 624 179 005 - 040 625 208 005 - 010 625 398 050 - 070 627 362 025 005 - 010 625 398 050 - 070 627 362 035 005 - 010 625 389 050 - 070 625 617 362 035 - 010 620 380 080 - 100 622 315 100 - 125 624 128 050 - 070 625 221 100 - 125 625 400 025 - 040 625 617 362 035 035 - 010 620 381 015 - 025 622 317 040 - 080 624 173 020 - 055 625 220 005 - 010 625 402 005 - 015 617 448 065 - 080 620 384 100 - 125 622 325 007 - 025 624 177 010 - 020 625 222 050 - 070 625 406 060 - 075 617 514 005 - 010 620 394 010 - 020 622 348 005 - 010 624 178 015 - 030 625 222 050 - 070 625 405 060 - 075 617 514 005 - 010 620 394 010 - 020 622 348 005 - 010 624 178 035 - 040 625 223 005 - 010 625 405 060 - 075 618 120 015 - 030 620 406 030 - 050 622 374 005 - 010 624 178 035 - 040 625 225 035 - 020 625 425 020 - 035 618 124 040 - 060 620 409 030 - 050 622 377 025 - 105 624 220 005 - 010 625 226 032 - 042 625 425 020 - 035 618 124 040 - 050 620 440 030 - 050 622 377 025 - 105 624 224 005 - 010 625 231 005 - 010 625 441 005 - 010 618 185 040 - 050 620 440 025 - 042 622 384 005 - 010 624 225 050 - 075 625 231 005 - 010 625 441 005 - 010 618 185 040 - 050 620 440 025 - 042 622 384 005 - 010 624 225 050 - 075 625 238 075 - 090 625 449 070 - 090 618 225 045																		
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617	.617	.359	.025040	.620	.378	.020035	.622	.314	.075125	.624	.128	.025040	.625	.208	.005010	.625	.399	.050075
617 448 0.65 - 0.80 6.20 3.34 1.00 - 1.25 6.22 3.20 0.25 - 0.07 6.24 1.73 0.20 - 0.50 6.25 2.20 0.05 - 0.10 6.25 4.06 0.06 - 0.075 6.17 5.14 0.05 - 0.10 6.20 3.94 0.10 - 0.20 6.22 3.43 0.05 - 0.10 6.24 1.77 0.10 - 0.20 6.25 2.22 0.05 - 0.070 6.25 4.06 0.06 - 0.075 0.05	.617	.362	.005010	.620	.380	.080100	.622	.315	.100125	.624	.156	.050070	.625	.210	.100125	.625	.400	.025040
617 486 010 - 020 620 394 010 - 125 622 325 007 - 025 624 177 010 - 020 625 222 .005010 .625 .415 .005015 .617 .514 .005010 .620 .406 .005060 .622 .374 .005010 .624 .178 .015030 .625 .223 .005010 .625 .415 .005015 .036 .618 .120 .015030 .620 .408 .030050 .622 .374 .005010 .624 .178 .015030 .625 .225 .015020 .625 .425 .020035 .618 .124 .040060 .620 .409 .030050 .622 .376 .015025 .624 .204 .005010 .625 .226 .032042 .625 .425 .020035 .618 .164 .030050 .620 .409 .030050 .622 .377 .025105 .624 .220 .005010 .625 .226 .032074 .025 .440 .005105 .618 .165 .040050 .620 .400 .025 .042 .622 .389 .060075 .624 .250 .050075 .625 .238 .005072 .625 .445 .005010 .618 .185 .040060 .620 .440 .025042 .622 .389 .060075 .624 .254 .005010 .625 .238 .005070 .625 .435 .025046 .625 .435 .025046 .625 .345 .005070 .625 .238	.617	.385	.005010	.620	.381	.015025	.622	.317	.040080	.624	.168	.060080	.625	.211	.040060	.625	.401	.070090
617 514 0.05 - 0.10 620 3.94 0.10 - 0.20 6.22 3.43 0.05 - 0.10 6.24 1.78 0.15 - 0.30 6.25 2.23 0.05 - 0.10 6.25 4.25 0.02 - 0.35 618 1.20 0.15 - 0.30 6.20 4.08 0.30 - 0.50 6.22 3.74 0.05 - 0.10 6.24 2.04 0.05 - 0.10 6.25 2.25 0.05 - 0.04 6.25 4.25 0.00 - 0.06 618 1.24 0.40 - 0.60 6.20 4.09 0.30 - 0.50 6.22 3.76 0.15 - 0.25 6.24 2.20 0.05 - 0.10 6.25 2.26 0.05 - 0.04 6.25 4.40 0.05 - 0.10 618 1.84 0.30 - 0.50 6.20 4.10 0.80 - 1.05 6.22 3.78 0.15 - 0.30 6.24 2.20 0.05 - 0.10 6.25 2.30 0.75 - 0.90 6.25 4.41 0.05 - 0.10 618 1.85 0.40 - 0.50 6.20 4.20 0.20 - 0.60 6.22 3.38 0.05 - 0.10 6.24 2.25 0.50 - 0.75 6.25 2.38 0.05 - 0.70 6.25 4.41 0.05 - 0.10 618 2.15 0.05 - 0.10 6.20 4.42 0.32 - 0.48 6.22 3.80 0.05 - 0.10 6.24 2.54 0.05 - 0.10 6.25 2.38 0.05 - 0.70 6.25 4.45 0.05 - 0.10 618 2.15 0.01 - 0.20 6.20 4.42 0.32 - 0.48 6.22 3.90 0.05 - 0.10 6.24 2.54 0.05 - 0.10 6.25 2.39 0.77 - 0.90 6.25 4.45 0.05 - 0.10 618 2.59 0.04 - 0.60 6.20 4.42 0.32 - 0.48 6.22 3.90 0.05 - 0.10 6.24 2.55 0.05 - 0.10 6.25 2.39 0.77 - 0.90 6.25 4.45 0.05 - 0.10 618 2.59 0.04 - 0.60 6.20 4.42 0.32 - 0.48 6.22 3.90 0.05 - 0.10 6.24 2.55 0.05 - 0.10 6.25 2.39 0.77 - 0.90 6.25 4.45 0.05 - 0.10 618 2.59 0.04 - 0.60 6.20 4.42 0.32 - 0.48 6.22 3.90 0.05 - 0.10 6.24 2.25 0.05 - 0.10 6.25 2.39 0.77 - 0.90 6.25 4.45 0.05 - 0.10 618 3.36 0.05 - 0.78 6.20 4.42 0.32 - 0.48 6.22 3.90 0.05 - 0.10 6.24 2.25 0.05 - 0.70 6.25 2.25 0.05 - 0.70 6.25 4.45 0.05 - 0.00 618 3.38 0.40 - 0.60 6.20 5.00 0.05 - 0.10 6.22 4.00 0.05 - 0.10 6.24 2.28 0.05 - 0.70 6.25 2.25 0.05 - 0.70 6.25 4.45 0.05 - 0.00 618 3.38 0.40	.617	.448	.065080	.620	.384	.100125	.622	.320	.025070	.624	.173	.020050	.625	.220	.005010	.625	.402	.005015
6.17 5.56 0.05 - 0.10 6.20 4.06 0.05 - 0.50 6.22 3.74 0.05 - 0.10 6.24 4.196 0.032 - 0.42 6.25 2.25 0.15 - 0.20 6.25 4.25 0.20 - 0.35 6.18 1.24 0.040 - 0.60 6.20 4.09 0.30 - 0.50 6.22 3.77 0.25 - 1.05 6.24 2.20 0.05 - 0.10 6.25 2.30 0.75 - 0.90 6.25 4.40 0.05 - 1.05 6.18 1.18 0.040 - 0.50 6.20 4.10 0.80 - 1.05 6.22 3.78 0.15 - 0.30 6.24 2.29 0.05 - 0.10 6.25 2.30 0.75 - 0.90 6.25 4.41 0.05 - 0.10 6.18 1.18 0.040 - 0.50 6.20 4.10 0.80 - 1.05 6.22 3.78 0.15 - 0.30 6.24 2.29 0.05 - 0.70 6.25 2.36 0.25 - 0.04 6.25 4.42 0.05 - 0.10 6.18 1.18 0.040 - 0.05 6.20 4.00 0.25 - 0.04 6.25 3.38 0.05 - 0.10 6.25 6.24 2.20 0.05 - 0.75 6.25 2.36 0.25 - 0.04 6.25 4.42 0.05 - 0.10 6.25 6.25 6.25 0.05 - 0.05 6.20 6.25 4.42 0.05 - 0.10 6.25 6	.617	.496		.620	.390	.100125	.622	.325	.007025	.624	.177	.010020	.625	.222	.050070	.625	.406	.060075
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.618		.475						.488			.335			.266				
.618 .526 .032042 .621 .062 .030050 .622 .511 .005010 .624 .378 .005010 .625 .273 .060070 .625 .570 .015030 .618 .531 .005010 .621 .075 .005010 .622 .531 .010020 .624 .379 .080100 .625 .279 .060080 .626 .096 .015025 .618 .549 .005010 .621 .091 .005010 .622 .532 .008015 .624 .380 .105125 .625 .280 .030060 .626 .100 .015030 .618 .551 .015025 .621 .125 .050070 .622 .533 .005015 .624 .392 .030050 .625 .281 .120134 .626 .104 .005010 .618 .556 .005010 .621 .159 .030042 .622 .534 .005010 .624 .398 .020040 .625 .283 .025060 .626 .113 .030050 .618 .560 .015025 .621 .161 .090120 .622 .540 .005010 .624 .399 .030050 .625 .284 .005040 .626 .129 .005130 .619 .125 .050070 .621 .172 .005010 .623 .030 .010020 .624 .403 .030050 .625 .290 .090100 .626 .133 .030060 .619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .298 .015040 .626 .193 .020075 .619 .171 .015075 .621 .194 .005010 .623 .094 .060075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
.618 .531 .005010 .621 .075 .005010 .622 .531 .010020 .624 .379 .080100 .625 .279 .060080 .626 .096 .015025 .618 .549 .005010 .621 .091 .005010 .622 .532 .008015 .624 .380 .105125 .625 .280 .030060 .626 .100 .015030 .618 .551 .015025 .621 .125 .050070 .622 .533 .005015 .624 .392 .030050 .625 .281 .120134 .626 .104 .005010 .618 .556 .005010 .621 .159 .030042 .622 .534 .005010 .624 .398 .020040 .625 .283 .025060 .626 .113 .030050 .618 .560 .015025 .621 .161 .090120 .622 .540 .005010 .624 .398 .020040 .625 .284 .005040 .626 .129 .005130 .619 .125 .050070 .621 .172 .005010 .623 .030 .010020 .624 .403 .030050 .625 .284 .005040 .626 .129 .005030 .060 .619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .298 .015030 .626 .193 .020075 .025 .025 .025 .026 .026 .026 .193 .020075 .025 .026 .026 .026 .026 .026 .026 .026 .026																		
.618																		
.618 .551 .015025 .621 .125 .050070 .622 .533 .005015 .624 .392 .030050 .625 .281 .120134 .626 .104 .005010 .618 .556 .005010 .621 .159 .030042 .622 .534 .005010 .624 .398 .020040 .625 .283 .025060 .626 .113 .030050 .618 .560 .015025 .621 .161 .090120 .622 .540 .005010 .624 .399 .030050 .625 .284 .005040 .626 .129 .005130 .619 .125 .050070 .621 .172 .005010 .623 .030 .010020 .624 .403 .030050 .625 .290 .090100 .626 .133 .030060 .619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .298 .015030 .626 .193 .020075 .621 .171 .015075 .621 .194 .005010 .623 .094 .060075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
.618 .556 .005010 .621 .159 .030042 .622 .534 .005010 .624 .398 .020040 .625 .283 .025060 .626 .113 .030050 .618 .560 .015025 .621 .161 .090120 .622 .540 .005010 .624 .399 .030050 .625 .284 .005040 .626 .129 .005130 .619 .125 .050070 .621 .172 .005010 .623 .030 .010020 .624 .403 .030050 .625 .290 .090100 .626 .133 .030060 .619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .298 .015030 .626 .193 .020075 .621 .171 .015075 .621 .194 .005010 .623 .094 .060075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
.618 .560 .015025 .621 .161 .090120 .622 .540 .005010 .624 .399 .030050 .625 .284 .005040 .626 .129 .005130 .619 .125 .050070 .621 .172 .005010 .623 .030 .010020 .624 .403 .030050 .625 .290 .090100 .626 .133 .030060 .619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .298 .015030 .626 .193 .020075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
.619 .125 .050070 .621 .172 .005010 .623 .030 .010020 .624 .403 .030050 .625 .290 .090100 .626 .133 .030060 .619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .293 .005040 .626 .156 .020035 .619 .171 .015075 .621 .194 .005010 .623 .094 .060075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
.619 .158 .100125 .621 .182 .105125 .623 .062 .015030 .624 .415 .025050 .625 .293 .005040 .626 .156 .020035 .619 .171 .015075 .621 .194 .005010 .623 .094 .060075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
.619 .171 .015075 .621 .194 .005010 .623 .094 .060075 .624 .425 .035050 .625 .298 .015030 .626 .193 .020075																		
0.00 0.																		
	.010	.200	.000000	.02 1	.200	.002000	.020	.100	.0-0000	.024	00	.000000	.020	.200	.520050	.020	.130	.020040

									140	100	LING OII	AIIGL	1 01	ANT OF		SIZE	LIGILD
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
		From To			From To			From To		1.D.	From To	O.D.	1.D.	From To	0.0.		From To
.626	.202	.005010	.627	.505	.050070	.630	.336	.005010	.634	.354	.010030	.640	.540	.005010	.648	.490	.010020
.626	.204	.030156	.627	.510	.005040	.630	.346	.040060	.634	.394	.005010	.640	.576	.020030	.648	.493	.015030
.626	.207	.050070	.627	.527	.005010	.630	.354	.005070	.634	.459	.020030	.640	.579	.005010	.648	.521	.005010
.626	.217	.100125	.627	.547	.007012	.630	.363	.070090	.634	.477	.008016	.641	.125	.005010	.648	.551	.005010
.626	.229	.005010	.628	.096	.030050	.630	.368	.050075	.634	.478	.005010	.641	.243	.020090	.649	.126	.020050
.626	.253	.060080	.628	.125	.005010	.630	.384	.005040	.634	.512	.010020	.641	.265	.005060	.649	.201	.090100
.626	.257	.015030	.628	.166	.050070	.630	.387	.010020	.634	.524	.005020	.641	.308	.005010	.649	.203	.025040
.626	.262	.100125	.628	.191	.040060	.630	.394	.060070	.635	.167	.015035	.641	.320	.010025	.649	.250	.005010
.626	.268	.020060	.628	.198	.005010	.630	.395	.005020	.635	.179	.010015	.641	.332	.015030	.649	.266	.125135
.626	.277	.020040	.628	.201	.040060	.630	.397	.005090	.635	.200	.025040	.641	.368	.020040	.649	.281	.005020
.626	.281	.005020	.628	.208	.020040	.630	.400	.025090	.635	.204	.010020	.641	.470	.010020	.649	.286	.070090
.626	.282	.020040	.628	.232	.030050	.630	.401	.015030	.635	.312	.035050	.641	.475	.005010	.649	.338	.030050
.626	.312	.035050	.628	.238	.050070	.630	.403	.005010	.635	.356	.010020	.641	.501	.031048	.649	.387	.005010
.626	.314	.005015	.628	.261	.040060	.630	.404	.005010	.635	.375	.032042	.641	.522	.020030	.649	.452	.005010
.626	.315	.040060	.628	.271	.005010	.630	.415	.080105	.635	.376	.005010	.641	.533	.030060	.649	.522	.005010
.626	.317	.010015	.628	.287	.090105	.630	.417	.050070	.635	.410	.005010	.642	.153	.030050	.649	.562	.005010
.626	.326	.020030	.628	.331	.105120	.630	.427	.005010	.635	.443	.020030	.642	.254	.015030	.649	.583	.005010
.626	.339	.100125	.628	.375	.060083	.630	.440	.070090	.635	.470	.030042	.642	.411	.005010	.650	.056	.005010
.626	.344	.025040	.628	.449	.005010	.630	.443	.070090	.635	.531	.025040	.642	.449	.005010	.650	.062	.020040
.626	.377	.005010	.628	.449	.020040	.630	.461	.015030	.636	.179	.008015	.642	.477	.070090	.650	.076	.005010
.626	.379	.005010	.628	.477	.005010	.630	.475	.010020	.636	.212	.005010	.642	.482	.020040	.650	.118	.010030
.626	.381	.005010	.628	.483	.030050	.630	.478	.010020	.636	.275	.005010	.642	.536	.007012	.650	.161	.005015
.626	.386	.005075	.628	.510	.010020	.630	.479	.040050	.636	.381	.015030	.643	.146	.010020	.650	.162	.040060
.626	.392	.005010	.628	.511	.040060	.630	.499	.005010	.636	.384	.005010	.643	.169	.005010	.650	.212	.005010
.626	.394	.015030	.628	.555	.020030	.630	.500	.015030	.636	.393	.020030	.643	.174	.005010	.650	.236	.005010
.626	.408	.090105	.629	.095	.062078	.630	.502	.015030	.636	.410	.005015	.643	.256	.010020	.650	.250	.020030
.626	.409	.020030	.629	.149	.015030	.630	.518	.010020	.636	.454	.015030	.643	.322	.015030	.650	.255	.005010
.626	.422	.070090	.629	.177	.005010	.630	.534	.005010	.636	.565	.005010	.643	.370	.005010	.650	.255	.020040
.626	.442	.005025	.629	.226	.005010	.630	.554	.005010	.637	.244	.020040	.643	.502	.005010	.650	.260	.042060
.626	.445	.020040	.629	.290	.050083	.630	.558	.005020	.637	.356	.005010	.643	.503	.015030	.650	.260	.130150
.626	.468	.005010	.629	.292	.042060	.631	.150	.040060	.637	.381	.025040	.643	.530	.005010	.650	.290	.015030
.626	.470	.005010	.629	.316	.005010	.631	.154	.050070	.637	.399	.105125	.644	.171	.005010	.650	.311	.075090
.626	.478	.005010	.629	.319	.005010	.631	.238	.005010	.637	.422	.020040	.644	.257	.050070	.650	.312	.005120
.626	.495	.040060	.629	.344	.005010	.631	.240	.010020	.637	.425	.012020	.644	.316	.020035	.650	.315	.010020
.626	.499	.010020	.629	.351	.090110	.631	.315	.015030	.637	.520	.005010	.644	.346	.015030	.650	.316	.005010
.626	.501	.010020	.629	.356	.010020	.631	.316	.005010	.638	.156	.032048	.644	.396	.025040	.650	.317	.005010
.626	.504	.010020	.629	.391	.030050	.631	.318	.005010	.638	.263	.040060	.644	.454	.025040	.650	.319	.005010
.626	.505	.005010	.629	.406	.030050	.631	.319	.005010	.638	.338	.020040	.644	.477	.020030	.650	.325	.050075
.626	.507	.005030	.629	.407	.030050	.631	.320	.005010	.638	.401	.005010	.644	.503	.020040	.650	.326	.005010
.626	.510	.010025	.629	.427	.005010	.631	.374	.105125	.638	.401	.015030	.644	.531	.030050	.650	.357	.015030
.626	.528	.025040	.629	.472	.030080	.631	.378	.060080	.638	.410	.020040	.645	.152	.030050	.650	.374	.015030
.626	.564	.005010	.629	.473	.005020	.631	.386	.060080	.638	.451	.020040	.645	.170	.035050	.650	.377	.005030
.626	.566	.010020	.629	.507	.005030	.631	.387	.010020	.638	.506	.025040	.645	.214	.010020	.650	.380	.050070
.627	.036	.025035	.629	.512	.015030	.631	.396	.005010	.639	.199	.060080	.645	.316	.020032	.650	.388	.070090
.627	.058	.020032	.629	.517	.005010	.631	.399	.010020	.639	.322	.005010	.645	.347	.025040	.650	.397	.005010
.627	.125	.020040	.630	.052	.015030	.631	.403	.060080	.639	.325	.010020	.645	.393	.050062	.650	.404	.040060
.627	.129	.025040	.630	.128	.005010	.631	.411	.020030	.639	.394	.020040	.645	.434	.032048	.650	.410	.080090
.627	.133	.040060	.630	.138	.030060	.631	.437	.005010	.639	.415	.025040	.645	.441	.060080	.650	.424	.005010
.627	.166	.005010	.630	.140	.020040	.631	.452	.060080	.639	.438	.030050	.645	.470	.005010	.650	.469	.050070
.627	.182	.005010	.630	.141	.100120	.631	.521	.040060	.639	.439	.040050	.645	.501	.030050	.650	.500	.005010
.627	.196	.050070	.630	.158	.050060	.632	.160	.030040	.639	.453	.005010	.645	.510	.005010	.650	.503	.015030
.627	.198	.010025	.630	.163	.050060	.632	.239	.005010	.639	.524	.025035	.645	.518	.040060	.650	.505	.020030
.627	.236	.100125	.630	.174	.050075	.632	.253	.015030	.639	.550	.005010	.645	.579	.005010	.650	.507	.010020
.627	.248	.100125	.630	.177	.030050	.632	.261	.020040	.639	.576	.015030	.646	.204	.060070	.650	.534	.025040
.627	.253	.005010	.630	.188	.090105	.632	.285	.005010	.640	.036	.015030	.646	.210	.060110	.650	.540	.005010
.627	.265	.050070	.630	.204	.050065	.632	.317	.005010	.640	.073	.025040	.646	.255	.020030	.650	.553	.010020
.627	.266	.030050	.630	.209	.105125	.632	.320	.005010	.640	.168	.025040	.646	.257	.005010	.650	.562	.005010
.627	.280	.100125	.630	.214	.065080	.632	.357	.005010	.640	.175	.025042	.646	.273	.020035	.651	.147	.042060
.627	.281	.100120	.630	.236	.005025	.632	.359	.025040	.640	.186	.030050	.646	.316	.005012	.651	.160	.020030
.627	.283	.030048	.630	.237	.005020	.632	.387	.020060	.640	.251	.020040	.646	.344	.020030	.651	.229	.005010
.627	.285	.042062	.630	.238	.005010	.632	.426	.070090	.640	.256	.005010	.646	.393	.090105	.651	.315	.010020
.627	.313	.090120	.630	.239	.005010	.632	.475	.040060	.640	.299	.005010	.646	.409	.005010	.651	.374	.010020
.627	.314	.015030	.630	.241	.050060	.632	.480	.005072	.640	.334	.005010	.646	.447	.005010	.651	.377	.030050
.627	.323	.105125	.630	.243	.005010	.632	.547	.010020	.640	.342	.040060	.646	.539	.005010	.651	.379	.005010
.627	.334	.100125	.630	.247	.030050	.633	.119	.005010	.640	.361	.030050	.647	.131	.005010	.651	.380	.015030
.627	.335	.100125	.630	.254	.025040	.633	.172	.015035	.640	.377	.030040	.647	.191	.030050	.651	.394	.005010
.627	.344	.050125	.630	.275	.005125	.633	.256	.060080	.640	.390	.050075	.647	.283	.030050	.651	.398	.005010
.627	.349	.080104	.630	.279	.005010	.633	.267	.032050	.640	.400	.005010	.647	.355	.010020	.651	.450	.010020
.627	.375	.005010	.630	.280	.005015	.633	.282	.080100	.640	.406	.005010	.647	.381	.105125	.651	.460	.005010
.627	.376	.080104	.630	.282	.050070	.633	.346	.060080	.640	.429	.012020	.647	.407	.030050	.651	.465	.010020
.627	.378	.030050	.630	.283	.105125	.633	.377	.075090	.640	.441	.010020	.647	.472	.015030	.651	.485	.040060
.627	.379	.030050	.630	.315	.005010	.633	.439	.030050	.640	.443	.025040	.647	.492	.005010	.651	.505	.005010
.627	.380	.050070	.630	.316	.005090	.633	.472	.010020	.640	.444	.015030	.648	.093	.005010	.651	.551	.005030
.627	.385	.083120	.630	.317	.010020	.633	.501	.030050	.640	.446	.015030	.648	.144	.020040	.652	.096	.062078
.627	.389	.005010	.630	.319	.005050	.633	.517	.005010	.640	.451	.080090	.648	.202	.008015	.652	.118	.062090
.627	.392	.005010	.630	.320	.005010	.633	.551	.015030	.640	.460	.050060	.648	.209	.015030	.652	.193	.030050
.627	.406	.050090	.630	.321	.005010	.634	.116	.032042	.640	.485	.020040	.648	.250	.050070	.652	.258	.060080
.627	.442	.005010	.630	.326	.060080	.634	.155	.050070	.640	.489	.040060	.648	.266	.005010	.652	.376	.005010
.627	.475	.020030	.630	.330	.010020	.634	.194	.015025	.640	.501	.015048	.648	.298	.050075	.652	.400	.010020
007	.486	.012025	.630	.331	.050125	.634	.330	.005010	.640	.508	.015030	.648	.382	.005012	.652	.406	.015030
.627	. 100																

									3 IVIL		WASHILN						
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
O.D.	1.D.	From To	0.0.	1.0.	Thickness* From To	O.D.	1.0.	Thickness* From To	O.D.	1.0.	Thickness* From To	O.D.	1.D.	From To	O.D.	1.D.	From To
.652	.412	.005010	.657	.375	.005010	.665	.173	.050075	.670	.257	.040125	.674	.441	.005080	.679	.501	.015030
.652	.435	.005010	.657	.413	.005010	.665	.249	.030050	.670	.260	.020030	.674	.450	.040060	.679	.509	.005010
.652	.439	.020040	.657	.417	.005010	.665	.251	.075090	.670	.280	.010020	.674	.473	.025040	.680	.163	.005010
.652	.453	.005010	.657	.530	.020040	.665	.334	.050130	.670	.300	.005010	.674	.480	.070090	.680	.200	.032050
.652	.501	.030042	.657	.531	.040060	.665	.374	.120140	.670	.315	.005010	.674	.504	.075090	.680	.204	.090110
.652	.510	.010020	.657	.538	.040060	.665	.383	.040060	.670	.317	.005010	.674	.536	.040060	.680	.239	.005010
.653	.154	.040062	.657	.613	.016025	.665	.397	.070090	.670	.319	.050070	.674	.562	.020030	.680	.253	.005030
.653	.238	.040062	.658	.255	.010020	.665	.434	.040060	.670	.330	.050075	.675	.095	.005010	.680	.256	.040060
.653	.276	.005010	.658	.314	.030050	.665	.515	.025040	.670	.331	.005010	.675	.203	.020040	.680	.262	.005010
.653	.316	.010020	.658	.375	.010020	.665	.550	.005012	.670	.350	.020100	.675	.224	.005010	.680	.270	.015035
.653	.317	.005010	.658	.385	.050060	.665	.569	.020040	.670	.354	.105125	.675	.280	.060090	.680	.283	.080105
.653	.376	.010020	.658	.437	.005012	.665	.576	.030048	.670	.355	.005010	.675	.284	.032050	.680	.300	.032050
.653	.392	.050090	.658	.478	.005010	.666	.143	.015030	.670	.360	.040050	.675	.301	.050105	.680	.316	.048062
.653	.414	.050070	.658	.478	.015025	.666	.168	.075090	.670	.365	.060080	.675	.375	.010020	.680	.317	.030040
.653	.442	.005010	.658	.479	.030042	.666	.196	.020040	.670	.378	.060080	.675	.386	.040060	.680	.325	.005050
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.654	.142	.040060	.658	.572	.005010	.666	.267	.040062	.670	.385	.010020	.675	.416	.015030	.680	.330	.015030
.654	.267	.030050	.659	.125	.015025	.666	.430	.020030	.670	.398	.040060	.675	.435	.070090	.680	.369	.050075
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.654	.574	.015025	.659	.501	.015030	.667	.270	.025040	.670	.480	.010020	.675	.504	.005010	.680	.485	.050060
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.001	.000	.000 .010	.554	.000	.0.0	.575	00	.000 .010	.5, 4	.555	.010	.57.5	.000	.555 .010	.554	.550	.010

									140	100	LING OIT	Andi		ANT OF	*****	SIZE	LIGILD
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
.684	.323	.020040	.686	.512	.005010	.688	.317	.005010	.690	.354	.005010	.698	.506	.010020	.700	.476	.005010
.684	.399	.005010	.686	.520	.015030	.688	.326	.015030	.690	.365	.005010	.698	.527	.005010	.700	.478	.070080
.684	.400	.015030	.686	.528	.005010	.688	.328	.080105	.690	.376	.010030	.698	.541	.025040	.700	.500	.005010
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.684	.542	.035050	.687	.189	.010060	.688	.349	.005010	.690	.503	.050070	.699	.070	.040060	.700	.510	.010025
.684	.568	.025045	.687	.191	.005010	.688	.350	.050070	.690	.530	.040060	.699	.076	.015025	.700	.511	.020040
.684	.581	.015025	.687	.194	.125156	.688	.352	.050070	.690	.533	.072090	.699	.201	.040060	.700	.514	.020060
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.686	.270	.005010	.687	.506	.005010	.690	.167	.005010	.695	.520	.005010	.700	.381	.005010	.702	.516	.050075
.686	.313	.100120	.687	.510	.050060	.690	.173	.050070	.695	.557	.005010	.700	.383	.040060	.702	.561	.015030
.686	.345	.060080	.687	.511	.020040	.690	.188	.040060	.695	.558	.015030	.700	.385	.090105	.702	.595	.025040
.686	.346	.025035	.687	.513	.042062	.690	.190	.010020	.695	.626	.015025	.700	.392	.010020	.702	.635	.010020
.686	.360	.015025	.687	.517	.030048	.690	.192	.060080	.696	.037	.007015	.700	.394	.135156	.703	.119	.030050
.686	.377	.060080	.687	.564	.005010	.690	.202	.030050	.696	.147	.005015	.700	.397	.005010	.703	.206	.025040
.686 .686	.379 .381	.025040 .080105	.687 .687	.566 .603	.005015 .005010	.690 .690	.206 .220	.050075 .020032	.696 .696	.156 .166	.005010 .062090	.700 .700	.405 .406	.120134 .050150	.703 .703	.263 .409	.005010 .010020
.686	.385	.080105	.688	.130	.050060	.690	.250	.125135	.696	.178	.062090	.700	.406 .411	.050150	.703	.409 .442	.010020
.686	.390	.048062	.688	.168	.050060	.690	.254	.050070	.696	.176	.050070	.700	.417	.005020	.703	.480	.030050
.686	.392	.050062	.688	.205	.025040	.690	.264	.105125	.696	.281	.090120	.700	.435	.005010	.703	.482	.050070
.686	.395	.010020	.688	.206	.040060	.690	.265	.100125	.696	.458	.025042	.700	.437	.005010	.703	.487	.040050
.686	.398	.005010	.688	.216	.050070	.690	.280	.050075	.696	.498	.005010	.700	.441	.005020	.703	.516	.020040
.686	.407	.050070	.688	.253	.010020	.690	.281	.050070	.696	.531	.015030	.700	.443	.105125	.703	.525	.030050
.686	.421	.005010	.688	.259	.040060	.690	.317	.080100	.697	.313	.090110	.700	.446	.010020	.703	.540	.040060
.686	.437	.015030	.688	.263	.005190	.690	.323	.020070	.697	.532	.025040	.700	.450	.005080	.703	.635	.010020
	100	.050075	.688	.284	.005010	.690	.330	.105135	.698	.231	.005010	.700	.455	.005010	.704	.078	.040060
.686	.438										005 010	700	450	020 050	704	050	050 070
.686 .686	.483	.050075	.688	.311	.010040	.690	.336	.060075	.698	.361	.005010	.700	.456	.030050	.704	.259	.050070
.686				.311 .313 .316	.010040 .020140 .005010	.690 .690 .690	.336 .343 .344	.060075 .050070 .100120	.698 .698	.361 .477 .500	.005010 .005010 .005010	.700 .700 .700	.456 .465 .473	.030030	.704 .704 .704	.259 .264 .268	.060080

Dec									BUKER	2 INIE	IAL	WASHER	JAIL	I LA	AND I	OIVIDE	LUL	BURKED
1941 1942	0.0	LD		0.0	LD		0.0	ID		0.0	ın		OD	LD		0.0	LD	
1. 1. 1. 1. 1. 1. 1. 1.	O.D.	1.0.	From To	O.D.	1.0.		O.D.	1.D.		O.D.	1.D.	From To	O.D.	1.D.		O.D.	1.0.	From To
140	.704	.336	.005010	.708	.512	.005040	.710	.578	.040060	.717	.476	.025040	.721	.423	.005010	.728	.454	.015025
Texa	.704	.343	.060080	.708	.550	.020036	.710	.589	.005030	.717	.478	.005010	.721	.530	.010020	.728	.473	.025042
140	.704	.366	.010040	.708	.551	.045060	.710	.610	.010020	.717	.515	.050075	.721	.594	.016025	.728	.477	.005010
1904 480	.704	.475	.010025	.708	.575	.010025	.710	.620	.005010	.717	.548	.005010	.721	.601	.020040	.728	.500	.005015
140	.704	.478	.040060	.708	.630	.005010	.711	.160	.005010	.717	.628	.005010	.722	.186	.005010	.728	.532	.020040
1946 1956 1969	.704	.480	.015030	.708	.632	.005010	.711	.168	.005010	.718	.131	.030050	.722	.221	.080100	.728	.545	.015030
174	.704	.497	.020035	.708	.636	.015030	.711	.320	.005010	.718	.160	.048062	.722	.233	.050070	.728	.574	.005010
	.704	.503	.060100	.708	.637	.005020	.711	.407	.020050	.718	.189	.015030	.722	.265	.050075	.728	.591	.030050
1704 1805 1806	.704	.532	.030050	.708	.641	.005010	.711	.485	.040060	.718	.205	.005010	.722	.268	.005010	.728	.631	.012020
Fig. Property Pr	.704	.553	.005010	.709	.145	.005010	.711	.486	.040060	.718	.213	.015030	.722	.314	.050075	.728	.632	.005010
1.00 1.00	.704	.600	.020040	.709	.149	.030060	.711	.526	.015025	.718	.252	.010025	.722	.320	.050080	.729	.219	.010020
	.704	.626	.005010	.709	.177	.005010	.712	.177	.020032	.718	.257	.025040	.722	.324	.030050	.729	.376	.015030
1.00	.705	.085	.005012	.709	.181	.060080	.712	.200	.005015	.718	.262	.020040	.722	.376	.100125	.729	.379	.005010
200 201 202 203 205 207 209 203 205 206 206 207 207 205 206 206 207 207 205 206 206 207	.705	.098	.005010	.709	.239	.005020	.712	.234	.005010	.718	.282	.062083	.722	.481	.050060	.729	.382	.135156
1706	.705	.248	.015030	.709	.243	.005010	.712	.236	.005010	.718	.313	.015030	.722	.500	.072090	.729	.397	.025040
1705 1716	.705	.253	.050072	.709	.253	.160180	.712	.246	.080105	.718	.353	.005010	.722	.515	.010020	.729	.477	.005010
1705 311 0.05 - 0.01 0.70 314 0.05 - 0.01 712 314 0.05 - 0.01 718 380 0.05 - 0.00 723 314 0.05 - 0.00 730 230 0.	.705	.265	.020040	.709	.259	.040060	.712	.252	.005010	.718	.375	.030060	.722	.540	.078090	.729	.500	.005010
1705	.705	.274	.005010	.709	.313	.005110	.712	.505	.005010	.718	.378	.025050	.722	.636	.010020	.729	.513	.007016
705 347 005 -010 709 347 005 -010 712 54	.705	.311	.005010	.709	.314	.005010	.712	.514	.005010	.718	.380	.005090	.723	.221	.005040	.729	.552	.060080
105	.705	.312	.005010	.709	.316	.005030	.712	.525	.040060	.718	.395	.010020	.723	.314	.040060	.730	.238	.060080
1.705 1.48	.705	.317	.005010	.709	.317	.005010	.712	.530	.030050	.718	.398	.005010	.723	.382	.030060	.730	.280	.010020
1.705 1.48	.705	.361	.105125	.709		.005010	.712	.567	.015030	.718	.406			.632	.005010	.730	.287	.050075
1708	.705		.010020	.709		.005010		.646	.005010	.718	.408			.637		.730	.401	.005010
1.765 1.76	.705	.438	.005010	.709		.005010	.713	.116	.050070	.718	.418	.015030	.723	.641	.005010	.730	.415	.005010
1705 531	.705	.516	.025040	.709			.713	.199		.718	.438	.090125		.173	.030050	.730		.005010
1705 550 0.00 - 0.05 709 381 0.03 - 0.05 718 418 0.05 - 0.07 724 218 0.05 - 0.07 709 470 470 0.05 - 0.07 718 548 0.05 - 0.07 724 428 0.05 - 0.01 720 480 0.05 - 0.07 706 254 0.05 - 0.07 718 548 0.05 - 0.07 724 428 0.05 - 0.01 730 480 0.05 - 0.07 706 254 0.05 - 0.07 708 348 0.05 - 0.07 718 548 0.05 - 0.07 724 428 0.05 - 0.01 730 480 0.05 - 0.07 706 254 0.05 - 0.07 708 348 0.05 - 0.07 708 7																		
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706 254 0.90 0.95 709 392 010 0.90 713 540 0.01 0.06 0.07 718 582 0.05 0.00 724 5.00 0.05 0.07 730 4.98 0.20 0.00 0.05			.015025															
706 390 005 - 010 709 395 005 - 020 714 111 020 - 030 718 593 015 - 020 724 570 0.05 - 010 730 519 050 - 0.07 706 398 005 - 070 709 399 010 - 020 714 111 020 - 030 718 595 005 - 010 725 598 040 - 080 730 599 015 - 030 706 402 005 - 010 709 439 005 - 050 714 111 020 - 030 718 639 006 - 030 725 189 040 - 080 730 599 015 - 030 03	.706	.254	.030050	.709	.392	.010020	.713	.540	.040060	.718	.562	.005040	.724	.508	.025040	.730	.486	.020040
706 396 006 - 007 079 397 005 - 020 714 101 102 020 030 718 595 005 - 010 724 670 009 - 010 730 519 050 - 070 706 492 005 - 010 709 495 090 - 105 714 118 202 - 030 718 638 006 - 030 725 128 040 - 060 730 599 015 - 030 706 434 025 - 040 709 474 005 - 050 714 140 020 - 030 719 196 040 - 060 725 187 060 - 090 730 615 020 - 030 706 430 032 - 042 709 474 010 - 020 714 140 020 - 030 719 196 040 - 060 725 187 060 - 090 730 615 020 - 030 706 450 030 075	.706	.347	.005010	.709	.394	.010050	.713	.595	.010020	.718	.585	.005010	.724	.519	.020040	.730	.492	.030050
706 496 0.05 - 0.10 709 439 0.05 - 0.05 714 111 802 - 0.05 718 500 0.04 - 0.06 725 128 0.04 - 0.06 730 528 0.05 - 0.01 706 420 0.05 - 0.10 7.09 437 0.05 - 0.05 714 125 0.20 - 0.03 719 132 0.03 - 0.05 725 180 0.04 - 0.06 730 571 0.05 - 0.01 706 434 0.05 - 0.01 709 472 0.05 - 0.05 714 125 0.02 - 0.03 719 132 0.03 - 0.05 725 187 0.06 - 0.09 730 571 0.05 - 0.01 706 438 0.04 - 0.06 709 475 0.04 - 0.06 714 125 0.05 - 0.01 719 198 0.01 - 0.03 725 269 101 - 0.03 708 0.05 0.01 706 438 0.04 - 0.06 709 475 0.04 - 0.06 714 228 0.05 - 0.01 719 198 0.01 - 0.03 725 269 1.00 - 1.02 125 730 6.38 0.05 - 0.01 706 6.05 0.07 0.05 714 285 0.07 - 0.09 719 240 0.015 - 0.03 725 269 1.00 - 1.02 173 0.05	.706	.390	.005010	.709	.395	.005020	.713	.672	.005010	.718	.593	.015020	.724	.570	.005010	.730	.506	.040060
706 496 0.05 - 0.10 709 439 0.05 - 0.05 714 111 802 - 0.05 718 500 0.04 - 0.06 725 128 0.04 - 0.06 730 528 0.05 - 0.01 706 420 0.05 - 0.10 7.09 437 0.05 - 0.05 714 125 0.20 - 0.03 719 132 0.03 - 0.05 725 180 0.04 - 0.06 730 571 0.05 - 0.01 706 434 0.05 - 0.01 709 472 0.05 - 0.05 714 125 0.02 - 0.03 719 132 0.03 - 0.05 725 187 0.06 - 0.09 730 571 0.05 - 0.01 706 438 0.04 - 0.06 709 475 0.04 - 0.06 714 125 0.05 - 0.01 719 198 0.01 - 0.03 725 269 101 - 0.03 708 0.05 0.01 706 438 0.04 - 0.06 709 475 0.04 - 0.06 714 228 0.05 - 0.01 719 198 0.01 - 0.03 725 269 1.00 - 1.02 125 730 6.38 0.05 - 0.01 706 6.05 0.07 0.05 714 285 0.07 - 0.09 719 240 0.015 - 0.03 725 269 1.00 - 1.02 173 0.05	.706	.395		.709			.714	.101			.595		.724	.670		.730	.519	.050070
1706	.706			.709		.010020												
706	.706	.402	.005010	.709			.714	.118	.020030	.718	.638		.725	.128				
706	.706	.420	.005010	.709	.455	.090105	.714	.125	.020030	.719	.132	.030050	.725	.160	.020040	.730	.571	.005010
1706																		
706 500 709 475 040 060 714 223 050 077 719 237 005 010 725 296 100 125 730 632 005 0.076 070 070 076 0.00 075 100 075 100 005 010 075 100 005 010 075 100 025 070 030 0																		
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707 315 100 - 125 709 483 005 - 010 714 349 048 - 072 719 324 015 - 030 725 488 010 - 020 731 416 016 - 026 707 329 005 - 010 725 505 010 - 020 731 436 010 - 020 737 329 030 - 050 710 325 030	.706	.500	.075100	.709	.476	.005010	.714	.285	.070090	.719	.240	.015030	.725	.339	.005030	.731	.206	.030050
707 316 0.05 - 125 709 490 0.60 - 0.80 714 414 0.40 - 0.60 719 329 0.80 - 1.00 7.75 5.05 0.10 - 0.20 7.31 426 0.10 - 0.20 7.07 3.35 0.20 - 0.40 7.09 5.03 0.80 - 1.05 714 5.55 0.60 - 0.75 7.19 3.74 0.10 - 1.01 7.25 5.40 0.50 - 0.07 7.31 4.35 3.03 - 0.05 7.07 3.35 0.20 - 0.40 7.09 5.03 0.80 - 1.05 7.15 1.98 0.30 - 0.78 7.19 3.78 0.05 - 0.10 7.25 5.48 0.20 - 0.40 7.31 4.82 0.20 - 0.40 7.07 4.72 0.15 0.30 0.70 0.50 0.05 0.10 7.05 1.99 0.80 - 0.83 7.19 3.80 0.05 - 0.00 7.26 3.80 0.06 - 0.08 7.11 4.82 0.20 - 0.40 7.07 4.72 0.15 0.30 0.07 0.25 0.05 - 0.10 7.75 3.50 0.80 - 1.01 7.15 3.15 0.80 - 1.04 7.19 3.95 0.40 - 0.80 7.26 2.88 0.05 - 0.07 7.31 5.85 0.05 - 0.10 7.08 1.20 7.09 5.96 0.20 - 0.04 7.15 3.30 0.80 - 1.02 7.19 4.11 0.70 - 0.90 7.26 3.04 0.00 0.20 7.32 4.33 0.10 - 0.20 7.20 7.30 4.35 0.10 0.20 7.20 7.30 4.35 0.10 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 4.35 0.20 0.20 7.20 7.20 7.20 4.20 0.20 7.20	.706	.505	.010060	.709	.482	.070090	.714	.299	.020030	.719	.254	.008016	.725	.346	.005010	.731	.410	.070090
707 320 005 - 010 709 492 030 - 050 714 555 050 - 075 719 374 010 - 015 725 540 050 - 070 731 433 030 - 050 707 438 005 - 010 709 530 080 - 105 715 198 080 - 083 719 378 040 - 080 725 548 020 - 040 731 482 020 - 040 707 436 005 - 010 709 519 040 - 080 715 198 080 - 083 719 380 070 - 090 725 630 040 - 060 731 482 020 - 040 707 436 005 - 010 709 595 030 - 050 715 323 015 - 030 719 439 080 - 105 726 830 050 - 010 731 585 005 - 010 707 436 005 - 010 709 596 020 - 040 715 330 005 - 010 719 439 080 - 105 726 830 050 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731 585 005 - 010 731	.707	.315		.709			.714			.719								.005080
1707 335 020 040 709 503 080 105 715 198 030 078 719 378 005 010 725 548 020 040 731 452 100 120	.707	.316	.005125	.709	.490	.060080	.714	.414	.040060	.719	.329	.080100	.725	.505	.010020	.731	.426	.010020
1.707	.707	.320	.005010	.709	.492	.030050	.714	.555	.050075	.719	.374	.010015	.725	.540	.050070	.731	.433	.030050
1.707	.707	.335	.020040	.709	.503	.080105	.715	.198	.030078	.719	.378	.005010	.725	.548	.020040	.731	.453	.100120
1.707	.707	.436	.005010	.709	.519	.040060	.715	.199	.060083	.719	.380	.070090	.725	.630	.040060	.731	.482	.020040
708 120 0.72 - 120 709 5.96 0.20 - 0.40 715 330 0.05 - 0.12 719 441 307 - 0.90 726 3.04 0.10 - 0.20 0.32 1.59 0.70 - 0.90 708 1.70 0.40 - 0.60 710 0.20 0.55 - 0.70 7.15 3.66 0.20 - 0.40 7.19 453 0.50 - 0.70 726 3.15 0.20 - 0.30 7.32 1.59 0.70 - 0.90 7.70 0.30 7.70	.707	.472	.015030	.709	.550	.005010	.715	.315	.090104	.719	.395	.040060	.726	.183	.050070	.731	.564	.005010
1.708 136	.707	.480	.005010	.709	.592	.030050	.715	.323	.015030	.719	.439	.080105	.726	.286	.005010	.731	.585	.005010
708	.708	.120		.709	.596					.719	.441	.070090					.043	.010020
708	.708	.136	.040060	.710	.133	.005010	.715	.366	.020040	.719	.453	.050070	.726	.315	.020030	.732	.159	.070090
708 218 0.05 - 0.30 710 211 0.70 - 0.90 715 3.79 0.05 - 0.10 7.79 5.43 0.40 - 0.60 7.26 3.43 0.05 - 0.10 7.32 1.65 0.05 - 0.10 7.08 2.38 0.05 - 0.10 7.10 2.38 0.05 - 0.10 7.15 4.47 0.90 - 1.00 7.70 2.55 0.40 - 0.60 7.26 3.38 0.05 - 0.10 7.32 2.53 0.10 - 0.15 7.08 2.39 0.30 - 0.50 7.10 2.52 0.08 - 0.10 7.15 4.40 0.90 - 1.00 7.20 2.54 0.20 - 0.35 7.26 3.38 0.05 - 0.10 7.32 2.53 0.10 - 0.15 7.08 2.53 0.40 - 0.60 7.10 2.52 0.08 - 0.10 7.15 4.47 0.080 - 1.05 7.20 2.59 0.05 - 0.10 7.26 4.06 0.30 - 0.50 7.32 2.53 0.40 - 0.62 7.08 2.57 0.50 - 0.70 7.10 2.79 0.05 - 0.10 7.15 4.47 0.05 - 0.07 7.20 2.51 1.10 - 1.87 7.26 4.49 0.02 - 0.40 7.32 2.51 0.50 - 0.75 7.26 4.85 0.15 - 0.30 7.32 2.90 0.05 - 0.10 7.08 2.79 0.60 - 0.08 7.10 2.79 0.05 - 0.10 7.15 4.49 0.05 - 0.07 7.20 3.15 0.05 - 0.75 7.26 4.85 0.15 - 0.30 7.32 2.90 0.05 - 0.10 7.08 2.79 0.60 - 0.08 7.10 3.08 0.15 - 1.25 7.15 4.95 0.05 - 0.10 7.20 3.21 0.50 - 0.75 7.26 4.85 0.15 - 0.30 7.32 3.30 0.05 - 0.60 7.08 2.79 0.60 - 0.60 7.10 3.08 0.10 - 1.02 7.15 5.00 0.20 - 0.35 7.20 3.41 0.90 - 1.05 7.72 2.57 2.57 2.00 - 0.40 7.32 3.35 0.20 - 0.40 7.08 2.79 0.60 - 0.60 7.32 3.35 0.20 - 0.40 7.20 3.41 0.90 - 1.05 7.27 2.57																		.015030
1.708 2.286 0.309 0.505 0.710 2.286 0.005 0.010 0.715 0.437 0.008 0.010 0.720 2.254 0.020 0.035 0.726 3.375 1.05 1.252 7.32 1.99 0.42 0.205 0.708 2.39 0.030 0.050 0.710 0.252 0.008 0.016 7.15 0.470 0.006 1.05 7.20 2.559 0.005 0.010 7.726 0.406 0.300 0.505 0.732 2.63 0.40 0.005 0.010 0.720 0.255 0.008 0.016 7.15 0.744 0.900 0.005 0.720 2.259 0.005 0.010 7.726 0.406 0.300 0.505 0.732 2.63 0.40 0.005 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 7.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.255 0.005 0.010 0.736 0.005 0																		
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.708 .293 .050070 .710 .308 .100120 .715 .526 .015025 .720 .360 .020030 .727 .259 .130150 .732 .443 .015030 .708 .305 .005010 .710 .315 .005010 .710 .317 .005010 .716 .230 .015030 .720 .401 .005016 .727 .484 .005010 .732 .475 .008015 .708 .319 .005070 .710 .318 .010015 .716 .224 .002040 .720 .446 .025040 .727 .480 .040050 .732 .502 .025042 .020 .030 .716 .234 .005010 .720 .455 .105125 .727 .500 .015030 .733 .159 .070090 .708 .335 .020030 .716 .405 .025042 .720 .463 .080104 .727 .5																		
7.708 .305 .005010 .710 .315 .005010 .715 .535 .025040 .720 .380 .020040 .727 .397 .005010 .732 .475 .008015 .708 .315 .005010 .710 .317 .005010 .716 .230 .015030 .720 .440 .025042 .727 .448 .005010 .732 .550 .025042 .708 .322 .005010 .710 .330 .010020 .716 .324 .005010 .720 .446 .025042 .727 .500 .015030 .733 .159 .070090 .708 .335 .020030 .710 .354 .008020 .716 .474 .030050 .720 .473 .005010 .727 .570 .040060 .733 .389 .010020 .733 .389 .010020 .733 .389 .010020 .733 .345 .050010																		
.708 .315 .005010 .710 .317 .005010 .716 .230 .015030 .720 .401 .005015 .727 .448 .005010 .732 .502 .025042 .708 .319 .005070 .710 .318 .010015 .716 .264 .020040 .720 .446 .025040 .727 .480 .040050 .732 .550 .040050 .708 .322 .005010 .710 .330 .010020 .716 .324 .005010 .720 .455 .105125 .727 .500 .015030 .733 .159 .070090 .708 .335 .020030 .710 .342 .020030 .716 .405 .025042 .720 .463 .080010 .727 .512 .010020 .733 .234 .005010 .708 .338 .005010 .710 .354 .008020 .716 .474 .030050 .720 .473 .005010 .727 .570 .040060 .733 .389 .010020 .708 .339 .040060 .710 .376 .020 .040 .716 .515 .040062 .720 .473 .005010 .727 .576 .040060 .733 .389 .010020 .708 .341 .005010 .710 .454 .005072 .716 .624 .030048 .720 .502 .015020 .727 .576 .015030 .733 .502 .040060 .708 .347 .005010 .710 .454 .005010 .716 .630 .020040 .720 .550 .005010 .728 .174 .020040 .733 .515 .050070 .708 .375 .005010 .710 .454 .005010 .717 .187 .010020 .720 .564 .020032 .728 .219 .010020 .733 .515 .050070 .708 .375 .005010 .710 .474 .005010 .717 .223 .050070 .720 .566 .015030 .728 .251 .005010 .734 .162 .015030 .708 .375 .005010 .710 .475 .015030 .717 .223 .050070 .720 .566 .015030 .728 .251 .005010 .734 .162 .015030 .708 .393 .005020 .710 .477 .030050 .717 .293 .010020 .720 .566 .015030 .728 .251 .005010 .734 .162 .015030 .708 .395 .005070 .710 .505 .050070 .717 .318 .025040 .720 .566 .015030 .728 .251 .025040 .734 .192 .080125 .738 .395 .010020 .710 .507 .020 .035 .717 .322 .032050 .720 .561 .005010 .728 .259 .025040 .734 .192 .080125 .738 .395 .010020 .710 .525 .005 .010 .717 .338 .030050 .720 .561 .005010 .728 .259 .025040 .734 .192 .080125 .738 .100 .005 .010 .708 .395 .010020 .710 .525 .005 .010 .717 .338																		
.708 .319 .005070 .710 .318 .010015 .716 .264 .020040 .720 .446 .025040 .727 .480 .040050 .732 .550 .040050 .708 .322 .005010 .710 .330 .010020 .716 .324 .005010 .720 .455 .105125 .727 .500 .015030 .733 .159 .070090 .708 .335 .020030 .710 .342 .020030 .716 .405 .025042 .720 .463 .080010 .727 .510 .010020 .733 .234 .005010 .708 .338 .005010 .710 .354 .008020 .716 .474 .030050 .720 .473 .005010 .727 .576 .015030 .733 .389 .010020 .727 .576 .015030 .733 .435 .030050 .708 .347 .005010 .710																		
.708 .322 .005010 .710 .330 .010020 .716 .324 .005010 .720 .455 .105125 .727 .500 .015030 .733 .159 .070090 .708 .335 .020030 .710 .342 .020030 .716 .405 .025042 .720 .463 .080104 .727 .512 .010020 .733 .234 .005010 .708 .338 .005010 .710 .354 .008020 .716 .474 .030050 .720 .476 .070090 .727 .576 .015035 .733 .389 .010020 .716 .515 .040062 .720 .476 .070090 .727 .576 .015035 .733 .435 .030050 .708 .341 .005010 .710 .454 .005010 .720 .550 .005010 .728 .174 .020040 .733 .515 .050070 <td></td>																		
.708 .335 .020030 .710 .342 .020030 .716 .405 .025042 .720 .463 .080104 .727 .512 .010020 .733 .234 .005010 .708 .338 .005010 .710 .354 .008020 .716 .474 .030050 .720 .473 .005010 .727 .576 .040060 .733 .389 .010020 .708 .339 .040060 .710 .376 .020040 .716 .515 .040062 .720 .476 .070090 .727 .576 .015035 .733 .435 .030050 .708 .341 .050010 .710 .454 .005010 .716 .624 .030040 .720 .550 .005010 .727 .586 .015030 .733 .515 .050070 .700 .728 .174 .020040 .733 .515 .050070 .720 .564 .0																		
.708 .338 .005010 .710 .354 .008020 .716 .474 .030050 .720 .473 .005010 .727 .570 .040060 .733 .389 .010020 .708 .339 .040060 .710 .376 .020040 .716 .515 .040062 .720 .476 .070090 .727 .576 .015035 .733 .435 .030050 .708 .341 .005010 .710 .413 .050072 .716 .624 .030048 .720 .502 .015020 .727 .586 .015030 .733 .502 .040060 .708 .354 .050010 .710 .454 .005010 .711 .823 .050070 .720 .564 .002040 .728 .219 .010020 .733 .515 .050070 .708 .372 .010020 .710 .474 .005010 .717 .283 .050																		
.708 .339 .040060 .710 .376 .020040 .716 .515 .040062 .720 .476 .070090 .727 .576 .015035 .733 .435 .030050 .708 .341 .005010 .710 .413 .050072 .716 .624 .030048 .720 .502 .015020 .727 .586 .015030 .733 .502 .040060 .708 .347 .005010 .710 .454 .005010 .716 .630 .020040 .720 .550 .005010 .728 .174 .020040 .733 .515 .050070 .708 .354 .050060 .710 .473 .010020 .717 .187 .010020 .720 .566 .015030 .728 .219 .010020 .734 .162 .015030 .710 .474 .005010 .710 .474 .005010 .717 .293 .050070																		
.708 .341 .005010 .710 .413 .050072 .716 .624 .030048 .720 .502 .015020 .727 .586 .015030 .733 .502 .040060 .708 .347 .005010 .710 .454 .005010 .716 .630 .020040 .720 .550 .005010 .728 .174 .020040 .733 .515 .050070 .708 .354 .050060 .710 .473 .010020 .717 .187 .010020 .720 .564 .020032 .728 .219 .010020 .733 .650 .015030 .708 .375 .005010 .710 .474 .005010 .717 .223 .050070 .720 .568 .015030 .728 .253 .025040 .734 .162 .015030 .708 .375 .002 .710 .477 .030050 .717 .293 .010020<																		
.708 .347 .005010 .710 .454 .005010 .716 .630 .020040 .720 .550 .005010 .728 .174 .020040 .733 .515 .050070 .708 .354 .050060 .710 .473 .010020 .717 .187 .010020 .720 .564 .020032 .728 .219 .010020 .733 .650 .010015 .708 .372 .010020 .710 .474 .005010 .717 .223 .050070 .720 .566 .015030 .728 .251 .005010 .734 .162 .015030 .708 .375 .005010 .710 .475 .015030 .717 .290 .030050 .720 .568 .015030 .728 .253 .025040 .734 .187 .005010 .708 .393 .005020 .710 .497 .030050 .717 .318 .025																		
.708 .354 .050060 .710 .473 .010020 .717 .187 .010020 .720 .564 .020032 .728 .219 .010020 .733 .650 .010015 .708 .372 .010020 .710 .474 .005010 .717 .223 .050070 .720 .566 .015030 .728 .251 .005010 .734 .162 .015030 .708 .375 .005010 .710 .475 .015030 .717 .290 .030050 .720 .568 .015030 .728 .253 .025040 .734 .187 .005010 .708 .393 .005020 .710 .497 .030050 .717 .293 .010020 .720 .594 .050075 .728 .259 .025040 .734 .192 .080125 .708 .394 .050070 .710 .505 .050070 .717 .318 .025																		
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.708 .375 .005010 .710 .475 .015030 .717 .290 .030050 .720 .568 .015030 .728 .253 .025040 .734 .187 .005010 .708 .393 .005020 .710 .497 .030050 .717 .293 .010020 .720 .594 .050075 .728 .259 .025040 .734 .192 .080125 .708 .394 .050070 .710 .505 .050070 .717 .318 .025040 .720 .612 .005010 .728 .291 .025040 .734 .198 .070090 .708 .395 .010020 .710 .507 .020035 .717 .322 .032050 .720 .621 .005010 .728 .292 .025042 .734 .203 .040080 .708 .404 .050070 .710 .525 .005010 .527 .642 .030																		
.708 .393 .005020 .710 .497 .030050 .717 .293 .010020 .720 .594 .050075 .728 .259 .025040 .734 .192 .080125 .708 .394 .050070 .710 .505 .050070 .717 .318 .025040 .720 .612 .005010 .728 .291 .025040 .734 .198 .070090 .708 .395 .010020 .710 .507 .020035 .717 .322 .032050 .720 .621 .005010 .728 .292 .025042 .734 .203 .040080 .708 .404 .050070 .710 .525 .005010 .717 .396 .020040 .720 .639 .005010 .728 .328 .025040 .734 .209 .005010 .708 .413 .080100 .710 .526 .010025 .717 .438 .030050 .720 .642 .030040 .728 .328 .35 .060090 .734 .258 .040060 .708 .415 .025040 .710 .533 .070090 .717 .440 .080100 .721 .250 .050075 .728 .395 .010020 .734 .260 .032050 .720 .025 .708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040 .734 .316 .010020																		
.708 .394 .050070 .710 .505 .050070 .717 .318 .025040 .720 .612 .005010 .728 .291 .025040 .734 .198 .070090 .708 .395 .010020 .710 .507 .020035 .717 .322 .032050 .720 .621 .005010 .728 .292 .025042 .734 .203 .040080 .708 .404 .050070 .710 .525 .005010 .717 .396 .020040 .720 .639 .005010 .728 .328 .025040 .734 .209 .005010 .708 .413 .080100 .710 .526 .010025 .717 .438 .030050 .720 .642 .030040 .728 .328 .025040 .734 .209 .005010 .708 .415 .025040 .710 .530 .070090 .717 .440 .080100 .721 .250 .050075 .728 .395 .010020 .734 .260 .032050 .708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040 .734 .316 .010020																		
.708 .395 .010020 .710 .507 .020035 .717 .322 .032050 .720 .621 .005010 .728 .292 .025042 .734 .203 .040080 .708 .404 .050070 .710 .525 .005010 .717 .396 .020040 .720 .639 .005010 .728 .328 .025040 .734 .209 .005010 .708 .413 .080100 .710 .526 .010025 .717 .438 .030050 .720 .642 .030040 .728 .375 .060090 .734 .258 .040060 .708 .415 .025040 .710 .530 .070090 .717 .440 .080100 .721 .250 .050075 .728 .395 .010020 .734 .260 .032050 .708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040																		
.708 .404 .050070 .710 .525 .005010 .717 .396 .020040 .720 .639 .005010 .728 .328 .025040 .734 .209 .005010 .708 .413 .080100 .710 .526 .010025 .717 .438 .030050 .720 .642 .030040 .728 .375 .060090 .734 .258 .040060 .708 .415 .025040 .710 .530 .070090 .717 .440 .080100 .721 .250 .050075 .728 .395 .010020 .734 .260 .032050 .708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040 .734 .316 .010020																		
.708 .413 .080100 .710 .526 .010025 .717 .438 .030050 .720 .642 .030040 .728 .375 .060090 .734 .258 .040060 .708 .415 .025040 .710 .530 .070090 .717 .440 .080100 .721 .250 .050075 .728 .395 .010020 .734 .260 .032050 .708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040 .734 .316 .010020																		
.708 .415 .025040 .710 .530 .070090 .717 .440 .080100 .721 .250 .050075 .728 .395 .010020 .734 .260 .032050 .708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040 .734 .316 .010020																		
.708 .478 .010020 .710 .533 .050070 .717 .447 .005010 .721 .318 .030042 .728 .402 .010040 .734 .316 .010020																		
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O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
.734	.380	.010015	.740	.160	.005010	.743	.541	.005010	.746	.253	.040060	.748	.259	.008016	.749	.408	.005010
.734	.400	.020040	.740	.200	.005010	.743	.556	.005010	.746	.260	.005010	.748	.315	.005010	.749	.424	.040060
.734	.406	.050125	.740	.206	.005010	.743	.572	.040060	.746	.285	.005010	.748	.316	.005190	.749	.437	.042060
.734	.420	.093130	.740	.250	.120135	.743	.596	.005010	.746	.316	.005030	.748	.318	.005020	.749	.438	.010020
.734	.466	.060075	.740	.318	.005010	.743	.600	.010080	.746	.318	.078090	.748	.322	.005010	.749	.440	.005070
.734	.485	.020030	.740	.330	.070080	.743	.623	.010020	.746	.319	.040060	.748	.328	.105134	.749	.445	.005015
.734	.515	.030042	.740	.341	.050070	.743	.630	.016025	.746	.378	.010020	.748	.331	.015030	.749	.459	.005010
.734	.531	.005010	.740	.344	.020030	.744	.187	.100120	.746	.379	.040060	.748	.357	.070090	.749	.468	.005010
.734	.630	.032048	.740	.352	.020040	.744	.215	.030050	.746	.386	.060070	.748	.376	.005010	.749	.471	.050070
.735	.193	.050070	.740	.377	.050093	.744	.236	.010020	.746	.390	.006010	.748	.377	.156187	.749	.474	.050070
.735 .735	.282 .321	.050070 .030060	.740 .740	.380 .386	.030125 .005010	.744 .744	.262 .370	.015030 .015030	.746 .746	.393 .395	.110130 .030050	.748 .748	.384 .385	.020040 .005010	.749 .749	.499 .503	.020080 .005010
.735	.346	.050080	.740	.390	.005050	.744	.383	.035050	.746	.405	.005010	.748	.393	.060080	.749	.504	.090120
.735	.369	.060080	.740	.391	.005010	.744	.388	.005010	.746	.437	.042060	.748	.397	.005010	.749	.507	.008016
.735	.371	.015030	.740	.410	.105125	.744	.403	.031048	.746	.438	.005010	.748	.400	.005010	.749	.517	.005010
.735	.380	.105156	.740	.412	.062075	.744	.409	.050070	.746	.445	.040060	.748	.451	.005010	.749	.528	.005010
.735	.385	.020030	.740	.439	.005010	.744	.413	.105125	.746	.455	.010020	.748	.461	.010020	.749	.531	.005010
.735	.393	.005110	.740	.440	.010020	.744	.430	.005010	.746	.469	.030060	.748	.462	.005010	.749	.562	.010020
.735	.401	.015025	.740	.453	.020040	.744	.438	.040060	.746	.480	.015090	.748	.473	.005015	.749	.563	.005010
.735	.412	.005010	.740	.489	.005080	.744	.449	.060080	.746	.499	.020040	.748	.476	.005020	.749	.575	.040060
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.735 .735	.451 .454	.050070	.740	.502 .510	.080100	.744 .744	.500 .504	.005012 .005010	.746 .746	.521	.005010	.748 .748	.503 .504	.010040 .050070	.749 .749	.595 .599	.035062 .015030
.735	.454 .454	.005010	.740 .740	.510	.040060	.744 .744	.504 .507	.040075	.746	.531 .533	.005020 .030050	.748	.504 .507	.020070	.749	.609	.015030
.735	.500	.020070	.740	.550	.005010	.744	.523	.030050	.746	.564	.030030	.748	.507	.020030	.749	.620	.015030
.735	.560	.060080	.740	.571	.005010	.744	.525	.040050	.746	.565	.075090	.748	.513	.070020	.749	.626	.040060
.735	.627	.040060	.740	.603	.005010	.744	.532	.010020	.746	.579	.025048	.748	.553	.005010	.749	.633	.010020
.736	.118	.015030	.740	.626	.005010	.744	.561	.005010	.746	.608	.050070	.748	.563	.015030	.749	.640	.030060
.736	.159	.040050	.740	.628	.005010	.744	.599	.005012	.746	.621	.005010	.748	.570	.005012	.749	.644	.005010
.736	.160	.030050	.740	.631	.005010	.744	.622	.020040	.746	.627	.020040	.748	.573	.012020	.749	.650	.040050
.736	.268	.042060	.740	.659	.005010	.745	.095	.005010	.746	.634	.010020	.748	.582	.005010	.749	.669	.005010
.736	.310	.048070	.740	.660	.020030	.745	.120	.015040	.746	.670	.005010	.748	.626	.040060			
.736	.313	.040060	.740	.691	.005010	.745	.126	.032050	.747	.131	.025040	.748	.629	.010020			
.736 .736	.318 .380	.015030 .020030	.740 .741	.696 .201	.010020 .015025	.745 .745	.143 .184	.035055 .010020	.747 .747	.143 .214	.030050 .065080	.748 .748	.632 .634	.015030 .005030			
.736	.386	.040060	.741	.203	.060080	.745	.190	.040060	.747	.235	.005010	.748	.635	.015025			
.736	.436	.005010	.741	.261	.156187	.745	.191	.025035	.747	.261	.015025	.748	.644	.025040		— I	
.736	.467	.005010	.741	.291	.015025	.745	.193	.020060	.747	.268	.005010	.748	.670	.005015			50
.736	.504	.007016	.741	.296	.015030	.745	.200	.050070	.747	.269	.040060	.748	.693	.005010			JU
.736	.516	.030050	.741	.322	.050075	.745	.214	.015030	.747	.315	.005010	.749	.064	.030050			
.736	.565	.005010	.741	.378	.050080	.745	.234	.040060	.747	.316	.030040	.749	.087	.015030	.750	.063	.025048
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.736 .736	.601 .633	.015030 .015030	.741 .741	.505 .515	.060083	.745 .745	.264 .265	.010020 .050125	.747 .747	.376 .377	.010020 .010015	.749 .749	.162 .181	.030050 .060090	.750 .750	.085 .090	.005010 .010015
.736	.650	.025040	.741	.529	.010020	.745	.291	.005010	.747	.380	.010015	.749	.190	.010020	.750	.096	.060090
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.737	.330	.040060	.741	.562	.030060	.745	.317	.105135	.747	.397	.105125	.749	.200	.005010	.750	.118	.005010
.737	.364	.005010	.741	.570	.020040	.745	.320	.080105	.747	.468	.030050	.749	.200	.020042	.750	.125	.012025
.737	.419	.030060	.741	.636	.015030	.745	.330	.015030	.747	.475	.008012	.749	.203	.125156	.750	.126	.005010
.737	.436	.040050	.741	.640	.005010	.745	.389	.050070	.747	.478	.005015	.749	.204	.005060	.750	.128	.005010
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.737	.505	.005070	.742	.149	.005010	.745	.422	.090100	.747	.508	.100125	.749	.221	.040060	.750	.133	.030050
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.738	.511	.015030	.742	.380	.030050	.745	.510	.020040	.747	.628	.005010	.749	.268	.060090	.750	.156	.025075
.738	.538	.015030	.742	.387	.100135	.745	.538	.030050	.747	.632	.030050	.749	.272	.005010	.750	.161	.090100
.738	.540	.015025	.742	.389	.042062	.745	.541	.010025	.747	.651	.005010	.749	.286	.105120	.750	.165	.060080
.738	.544	.005010	.742	.426	.050070	.745	.558	.010020	.747	.691	.015025	.749	.313	.005040	.750	.166	.025035
.738	.594	.015030	.742	.443	.025060	.745	.560	.005010	.748	.066	.015030	.749	.315	.005010	.750	.171	.005010
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.739 739	.222	.040060	.742	.466 474	.060075	.745 745	.571 576	.005010 .042060	.748	.139	.020042	.749 .749	.322	.005010	.750	.184	.030050
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.739	.505	.015030	.742	.593	.025040	.745	.626	.040060	.748	.197	.005010	.749	.351	.005010	.750	.191	.050075
.739	.519	.005010	.742	.671	.010020	.745	.628	.005010	.748	.201	.060090	.749	.364	.005010	.750	.192	.050070
.739	.522	.015030	.743	.144	.070090	.745	.661	.010015	.748	.237	.005010	.749	.375	.025040	.750	.193	.010075
.739	.565	.015030	.743	.271	.050075	.745	.693	.010020	.748	.238	.005010	.749	.379	.036060	.750	.194	.042062
.739	.576	.005010	.743	.390	.005010	.746	.100	.032050	.748	.239	.050070	.749	.386	.005010	.750	.195	.005125
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			.743	.475	.040050	.746	.166	.050075	.748	.249	.050075	.749	.395	.005010	.750	.198	.025105
.739	.632	.005010				7.0	000	000 00-	710	050	005 015	7 10			750	000	
.739	.634	.005010	.743	.488	.060080	.746	.200	.060080	.748	.252	.005010	.749	.397	.015025	.750	.200	.030060
						.746 .746 .746	.200 .203 .204	.060080 .030050 .070090	.748 .748 .748	.252 .254 .255	.005010 .060090 .005010	.749 .749 .749	.397 .402 .403	.015025 .100120 .005008	.750 .750 .750	.200 .202 .203	.030060 .005010 .030050

									3 IVIL		WASHEN			AND I	OIVIDE		
O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any
O.D.	I.D.	Thickness* From To	O.D.	1.D.	Thickness* From To	O.D.	1.0.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	1.D.	Thickness*	U.D.	1.D.	Thickness* From To
.750	.204	.050070	.750	.396	.060070	.750	.630	.005060	.751	.600	.030050	.755	.533	.010020	.766	.535	.080100
.750	.206	.070090	.750	.400	.010040	.750	.632	.005010	.751	.606	.005010	.755	.552	.030040	.766	.557	.025040
.750	.209	.030050	.750	.402	.042060	.750	.634	.005020	.751	.626	.005025	.755	.554	.005010	.766	.585	.015030
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.750	.218	.005010	.750	.406	.090110	.750	.640	.010020	.751	.634	.005010	.755	.586	.005010	.766	.676	.005010
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.750	.232	.050075	.750	.413	.005015	.750	.651	.040060	.752	.143	.090120	.756	.375	.040050	.767	.224	.090110
.750	.236	.005030	.750	.415	.005010	.750	.679	.005010	.752	.145	.100125	.756	.395	.005010	.767	.301	.100125
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.750	.252	.005080	.750	.437	.005010	.750	.700	.010020	.752	.196	.040060	.756	.570	.020030	.767	.563	.020040
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.750	.317	.005030	.750	.506	.005020	.751	.303	.005010	.752	.624	.050070	.760	.446	.010020	.770	.531	.050060
.750	.318	.005015	.750	.509	.005010	.751	.307	.010020	.752	.697	.010020	.760	.471	.050070	.770	.536	.015030
.750	.319	.040100	.750	.510	.010020	.751	.315	.015030	.753	.133	.075090	.760	.482	.040060	.770	.571	.025040
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.750	.321	.005010	.750	.511	.030060	.751	.325	.015030	.753	.276	.010020	.760	.525	.015030	.770	.664	.005010
.750	.325	.125156	.750	.512	.005075	.751	.331	.075093	.753	.318	.050070	.760	.565	.020040	.770	.680	.035045
.750	.326	.025040	.750	.512	.010075	.751	.332	.005010	.753	.330	.110130	.760	.571	.070090	.770	.711	.035045
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.750	.329	.070090	.750	.517	.030050	.751	.343	.025040	.753	.375	.100125	.760	.592	.020035	.771	.474	.050070
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.750	.354	.005010	.750	.535	.010020	.751	.435	.005010	.753	.527	.005010	.762	.616	.005010	.772	.404	.005010
.750	.356	.070080	.750	.536	.040060	.751	.437	.005010	.753	.609	.025050	.763	.503	.005010	.772	.412	.050060
.750	.359	.015125	.750	.540	.040050	.751	.438	.050070	.753	.627	.005015	.763	.660	.005010	.772	.671	.010020
.750	.362	.050075	.750	.545	.015030	.751	.440	.050070	.753	.629	.005010	.764	.315	.050075	.773	.126	.005010
.750	.364	.005010	.750	.549	.005010	.751	.448	.050070	.754	.253	.005010	.764	.528	.060080	.773	.238	.062080
.750	.374	.010020	.750	.550	.020030	.751	.455	.010020	.754	.265	.030060	.764	.707	.005010	.773	.370	.060080
.750	.375	.005010	.750	.551	.010020	.751	.463	.050070	.754	.393	.005010	.765	.117	.040062	.773	.480	.015030
.750	.376	.005125	.750	.558	.040060	.751	.470	.075090	.754	.428	.048062	.765	.222	.030050	.773	.579	.090100
.750	.377	.005010	.750	.562	.040060	.751	.499	.005025	.754	.460	.105125	.765	.265	.100125	.773	.656	.020040
.750	.378	.005187	.750	.563	.010060	.751	.500	.050070	.754	.469	.040060	.765	.285	.005010	.773	.677	.040050
.750	.379	.015040	.750	.564	.005060	.751	.503	.005110	.754	.509	.030050	.765	.293	.040060	.773	.692	.005010
.750	.381	.048062	.750	.565	.010040	.751	.504	.010080	.754	.532	.080105	.765	.312	.050062	.774	.251	.050070
.750	.382	.020040	.750	.566	.012020	.751	.505	.010105	.755	.222	.005010	.765	.331	.025040	.774	.556	.050070
.750	.383	.060083	.750	.569	.050062	.751	.506	.015025	.755	.281	.005010	.765	.348	.025035	.774	.605	.010020
.750	.384	.005020	.750	.570	.020040	.751	.508	.020030	.755	.335	.170190	.765	.406	.005010	.774	.634	.010020
.750	.385	.005010	.750	.582	.030050	.751	.513	.090120	.755	.347	.010020	.765	.508	.005010	.774	.705	.005010
.750	.387	.050080	.750	.584	.005010	.751	.515	.025040	.755	.378	.010080	.765	.528	.050060	.775	.228	.050072
.750	.388	.025040	.750	.590	.005010	.751	.516	.008060	.755	.385	.025042	.765	.533	.015030	.775	.229	.070090
.750	.389	.050070	.750	.595	.005020	.751	.521	.048060	.755	.393	.005010	.765	.565	.010020	.775	.231	.042062
.750	.390	.005105	.750	.609	.040060	.751	.524	.005010	.755	.513	.030040	.765	.625	.050070	.775	.252	.005010
.750	.394	.100125	.750	.625	.005050	.751	.563	.005040	.755	.520	.005010	.766	.505	.030050	.775	.324	.100125
.750	.395	.020050	.750	.626	.015030	.751	.594	.010020	.755	.532	.020040	.766	.518	.050070	.775	.335	.015030

									140	100	LING CIT	Andi	_ 1 011	ANTOF		SIZL	3 LIST LD
O.D.	I.D.	Choose Any Thickness*															
.775	.368	.080090	.780	.552	.040060	.785	.392	.110130	.787	.525	.005010	.790	.441	.020040	.797	.413	.005010
.775	.379	.005012	.780	.562	.031048	.785	.406	.005010	.787	.530	.030050	.790	.448	.015030	.797	.561	.020040
.775	.428	.025040	.780	.566	.030050	.785	.417	.050070	.787	.547	.005010	.790	.450	.030042	.797	.691	.025040
.775	.457	.005010	.780	.566	.080100	.785	.450	.050070	.787	.551	.005030	.790	.452	.030060	.798	.312	.010025
.775	.464	.048070	.780	.570	.020040	.785	.475	.015050	.787	.556	.005010	.790	.467	.030050	.798	.351	.010020
.775	.469	.080100	.780	.579	.005015	.785	.482	.100125	.787	.577	.005010	.790	.478	.025045	.798	.378	.005010
.775	.500	.075090	.780	.591	.060090	.785	.512	.060080	.787	.603	.005010	.790	.500	.050072	.798	.487	.005010
.775	.525	.100125	.780	.593	.005010	.785	.520	.090105	.787	.610	.005080	.790	.511	.125135	.798	.578	.005090
.775	.555	.020030	.780	.598	.050070	.785	.523	.005020	.787	.630	.030050	.790	.515	.020040	.798	.624	.070090
.775	.560	.070090	.780	.600	.005010	.785	.530	.030050	.787	.631	.005010	.790	.550	.030042	.798	.632	.010020
.775	.602	.005010	.780	.627	.020030	.785	.548	.042062	.787	.648	.025040	.790	.560	.020040	.798	.656	.005010
.775	.643	.005030	.780	.640	.030070	.785	.556	.030050	.787	.661	.005010	.790	.565	.040060	.798	.711	.010020
.776	.196	.015030	.780 .780	.658	.005010	.785 .785	.569 .594	.005010	.787 .787	.677	.010020	.790	.586	.015025 .050070	.799 .799	.252	.005010
.776 .776	.197 .221	.020035 .005010	.780	.672 .684	.015030 .025040	.785	.656	.005010 .005010	.787	.680 .697	.060080 .005010	.790 .790	.623 .642	.010040	.799	.360 .397	.170190 .010020
.776	.239	.070090	.780	.685	.005012	.785	.696	.010020	.787	.707	.005010	.790	.650	.030042	.799	.401	.030050
.776	.240	.025040	.781	.111	.025040	.786	.157	.015030	.788	.128	.010020	.790	.694	.040060	.799	.439	.005010
.776	.283	.030050	.781	.142	.010020	.786	.198	.015030	.788	.218	.040060	.790	.728	.010020	.799	.471	.005010
.776	.386	.005010	.781	.172	.010020	.786	.253	.070090	.788	.227	.005010	.791	.056	.015030	.799	.472	.030050
.776	.432	.070090	.781	.280	.156190	.786	.257	.005010	.788	.237	.080100	.791	.323	.050070	.799	.492	.080100
.776	.598	.050070	.781	.316	.005010	.786	.300	.005010	.788	.243	.030050	.791	.400	.010020	.799	.500	.005010
.776	.646	.020040	.781	.317	.010030	.786	.316	.090135	.788	.244	.005010	.791	.401	.025040	.799	.501	.010020
.776	.653	.040050	.781	.335	.005050	.786	.382	.005010	.788	.317	.010020	.791	.531	.010020	.799	.505	.025040
.777	.150	.005010	.781	.402	.010020	.786	.396	.040060	.788	.319	.060080	.791	.635	.005010	.799	.580	.050075
.777	.317	.020040	.781	.430	.048062	.786	.436	.050070	.788	.322	.005010	.791	.674	.010020	.799	.596	.005010
.777 777	.328	.156187	.781 .781	.448	.015030 .005010	.786 .786	.443	.100120	.788 .788	.355	.010020	.792 .792	.317	.062083	.799 .799	.629 .653	.015025 .005010
.777 .777	.392 .421	.020030 .025040	.781	.485 .488	.050060	.786	.446 .452	.040060 .010020	.788	.376 .394	.005010 .125156	.792	.420 .485	.020030 .025040	.799	.653 .671	.005010
.777	.572	.025040	.781	.400 .501	.005015	.786	.452 .474	.010020	.788	.395	.005010	.792	.465 .517	.025040	.799	.673	.005010
.777	.613	.050070	.781	.518	.040060	.786	.477	.005010	.788	.397	.005015	.792	.606	.005010	.799	.674	.005010
.778	.221	.005015	.781	.531	.008012	.786	.484	.040050	.788	.403	.005030	.792	.672	.010020	.799	.694	.005010
.778	.261	.060070	.781	.557	.020040	.786	.502	.010020	.788	.414	.020040	.792	.695	.015030	.799	.701	.005010
.778	.266	.062075	.781	.600	.015030	.786	.505	.005020	.788	.440	.005010	.793	.256	.010020	.800	.076	.005010
.778	.363	.070090	.781	.605	.032050	.786	.515	.010020	.788	.452	.005010	.793	.386	.050060	.800	.190	.020040
.778	.386	.030050	.781	.621	.040060	.786	.531	.020030	.788	.473	.010020	.793	.438	.080100	.800	.194	.050070
.778	.390	.015030	.781	.625	.050075	.786	.535	.005030	.788	.476	.030050	.793	.439	.060090	.800	.200	.025040
.778	.408	.020040	.781	.627	.040060	.786	.556	.040060	.788	.478	.030050	.793	.441	.020040	.800	.222	.065080
.778	.435	.120135	.781	.628	.005010	.786	.572	.050070	.788	.483	.070090	.793	.471	.025048	.800	.225	.040060
.778 .779	.534 .190	.062078	.781 .781	.629 .640	.025060 .060070	.786 .786	.594 .598	.010020 .030050	.788 .788	.487 .488	.040060 .040050	.793 .793	.505	.025040 .032050	.800	.250 .252	.020030 .008015
.779	.264	.030050	.782	.200	.060070	.786	.626	.030050	.788	.505	.050070	.793	.575 .257	.032030	.800	.252	.040060
.779	.270	.060090	.782	.368	.010020	.786	.631	.030050	.788	.512	.060090	.794	.285	.005010	.800	.254	.025040
.779	.318	.050070	.782	.437	.090105	.786	.680	.010020	.788	.521	.048062	.794	.420	.090110	.800	.256	.005010
.779	.323	.015030	.782	.440	.015030	.787	.129	.030050	.788	.545	.005010	.794	.477	.135160	.800	.315	.010020
.779	.378	.090105	.782	.442	.070090	.787	.141	.040060	.788	.555	.040060	.794	.552	.070090	.800	.316	.005010
.779	.395	.032060	.782	.482	.070090	.787	.142	.030060	.788	.566	.080100	.795	.116	.005010	.800	.320	.105125
.779	.422	.030050	.782	.500	.030060	.787	.161	.050070	.788	.596	.030050	.795	.159	.005010	.800	.327	.020040
.779	.439	.015030	.782	.513	.030050	.787	.188	.020040	.788	.697	.010015	.795	.170	.090125	.800	.345	.075104
.779	.476	.100125	.782	.517	.080100	.787	.203	.040060	.788	.715	.005010	.795	.175	.005010	.800	.370	.005012
.779	.492	.050060	.782	.530	.093103	.787	.208	.070080	.788	.716	.010020	.795	.187	.030050	.800	.377	.005010
.779	.568	.010020	.782	.542	.005010	.787	.228	.052072	.789	.114	.025040	.795	.197	.008016	.800	.378	.005078
.779 .779	.579 .632	.005010 .030060	.782 .782	.546 .562	.010020 .060083	.787 .787	.238 .256	.005010 .010020	.789 .789	.221 .255	.005010 .010020	.795 .795	.267 .281	.048062 .040060	.800 .800	.379 .380	.005020 .040060
.779	.633	.005010	.782	.563	.010020	.787	.257	.025060	.789	.262	.040050	.795	.340	.040000	.800	.387	.020040
.779	.640	.040060	.782	.565	.005020	.787	.279	.005010	.789	.312	.040050	.795	.392	.010020	.800	.397	.005010
.779	.680	.005010	.782	.699	.005010	.787	.315	.005020	.789	.316	.005010	.795	.427	.090105	.800	.397	.070090
.779	.700	.010020	.783	.062	.030050	.787	.317	.005010	.789	.327	.005010	.795	.482	.030050	.800	.398	.005010
.780	.051	.025035	.783	.254	.050070	.787	.318	.005010	.789	.354	.060080	.795	.509	.030060	.800	.411	.070090
.780	.190	.020060	.783	.270	.070080	.787	.319	.005010	.789	.438	.005010	.795	.532	.005010	.800	.426	.105135
.780	.267	.062090	.783	.278	.010020	.787	.324	.015030	.789	.478	.050080	.795	.551	.010020	.800	.437	.005010
.780	.306	.015030	.783	.320	.050070	.787	.329	.005010	.789	.498	.005010	.795	.577	.090105	.800	.439	.030050
.780	.378	.005020	.783	.453	.080104	.787	.355	.135156	.789	.514	.005010	.795	.634	.005010	.800	.440	.005010
.780	.380	.080105	.783	.488	.005010	.787	.380	.015030	.789	.543	.010020	.795	.655	.030040	.800	.441	.010020
.780 .780	.390 .391	.080104	.783 .783	.500	.030050	.787 .787	.392	.005010	.789 .790	.630 .160	.010020	.795 .795	.680 730	.005040	.800 .800	.443 464	.005020 .040060
.780	.403	.080100	.783	.513 .604	.025040 .005010	.787	.394	.015030	.790	.175	.015030 .050070	.795	.730 .731	.025035	.800	.464 .490	.030050
.780	.408	.030050	.783	.630	.060080	.787	.397	.005010	.790	.240	.010020	.796	.256	.005010	.800	.502	.005020
.780	.420	.060080	.783	.635	.050070	.787	.398	.005020	.790	.250	.032042	.796	.286	.005010	.800	.504	.005020
.780	.422	.015040	.783	.645	.005020	.787	.399	.070080	.790	.288	.090110	.796	.290	.025040	.800	.505	.005010
.780	.425	.010020	.783	.646	.005010	.787	.400	.040060	.790	.319	.005010	.796	.353	.030040	.800	.508	.005010
.780	.460	.030060	.783	.656	.048062	.787	.410	.060080	.790	.320	.005010	.796	.397	.050070	.800	.510	.020040
.780	.484	.005010	.784	.480	.030050	.787	.424	.005010	.790	.341	.020040	.796	.509	.040060	.800	.528	.005010
.780	.498	.080104	.784	.592	.015030	.787	.433	.010020	.790	.350	.025048	.796	.520	.005012	.800	.530	.030050
.780	.500	.015030	.784	.599	.030050	.787	.453	.005010	.790	.375	.015030	.796	.521	.030060	.800	.544	.005010
.780	.503	.006012	.784	.601	.030050	.787	.472	.030050	.790	.377	.020040	.796	.525	.010020	.800	.550	.060075
.780	.510	.005030	.784	.612	.020030	.787	.473	.005010	.790	.378	.040050	.796	.579	.040060	.800	.551	.005010
.780	.511	.030050	.785	.170	.042062	.787	.475	.010020	.790	.383	.075090	.796	.602	.025040	.800	.557	.005010
.780	.520	.007015 .075090	.785	.238	.006010	.787	.477	.050070	.790	.423	.025040	.796	.610	.005070	.800	.558	.005015
700		U/3 - U9()	.785	.343	.005010	.787	.480	.020030	.790	.438	.020040	.796	.630	.030040	.800	.560	.070090
.780 .780	.527 .529	.025040	.785	.357	.005010	.787	.490	.120130	.790	.440	.010020	.797	.349	.005010	.800	.574	.050060

								BUKER	2 ME	IAL	WASHER	O AITE	I LA	AND I	DIVIDE	L DL	BURKED
O.D.	I.D.	Choose Any Thickness*															
.800	.575	.025040	.806	.350	.005010	.810	.475	.025042	.812	.473	.015020	.816	.510	From To .005012	.823	.523	.070090
.800	.582	.025040	.806	.378	.060083	.810	.480	.025042	.812	.501	.015020	.816	.520	.005012	.823	.755	.005020
.800	.594	.005010	.806	.407	.030050	.810	.501	.080100	.812	.506	.060080	.817	.195	.050070	.823	.756	.005010
.800	.618	.005010	.806	.469	.030050	.810	.507	.010025	.812	.508	.015025	.817	.319	.060083	.824	.321	.005010
.800	.619	.005010	.806	.631	.020040	.810	.514	.080125	.812	.509	.050075	.817	.321	.015030	.824	.333	.005010
.800	.623	.050075	.806	.636	.005010	.810	.522	.040060	.812	.515	.042060	.817	.411	.040060	.824	.508	.050070
.800	.626	.005010	.806	.641	.060083	.810	.533	.025050	.812	.517	.030040	.817	.455	.060090	.824	.543	.025040
.800	.628	.025080	.806	.650	.050070	.810	.543	.020040	.812	.524	.050070	.817	.505	.050070	.824	.605	.042062
.800	.631	.010020	.806	.671	.005010	.810	.545	.020040	.812	.530	.032042	.817	.631	.005010	.825	.238	.005010
.800	.639	.005010	.806	.691	.020040	.810	.551	.005010	.812	.540	.010020	.817	.660	.005010	.825	.317	.005010
.800	.641	.016025	.806	.692	.005010	.810	.561	.120140	.812	.561	.005030	.817	.661	.005010	.825	.319	.005020
.800	.645	.025040	.807	.117	.015030	.810	.564	.005015	.812	.577	.020040	.817	.690	.012020	.825	.399	.005010
.800	.654	.040060	.807	.222	.015030	.810	.565	.025050	.812	.591	.020030	.817	.711	.005010	.825	.400	.015030
.800	.659	.010020	.807	.283	.005010	.810	.569	.020040	.812	.592	.005050	.817	.750	.010020	.825	.414	.105125
.800	.670	.005020	.807	.389	.050070	.810	.600	.040060	.812	.596	.025040	.818	.264	.030040	.825	.483	.040060
.800	.672	.005010	.807	.445	.040060	.810	.646	.005010	.812	.625	.015110	.818	.317	.030040	.825	.511	.005010
.800	.675	.005010	.807	.531	.080090	.810	.652	.005010	.812	.641	.015080	.818	.321	.010020	.825	.518	.070080
.800	.677	.005010	.807	.534	.005010	.810	.675	.005010	.812	.647	.015025	.818	.330	.005010	.825	.525	.010020
.800	.678	.005010	.807	.598	.020040	.810	.690	.010020	.812	.650	.040060	.818	.391	.125156	.825	.527	.090125
.800	.679 .680	.005010	.807 .807	.625	.005010	.810 .810	.703 .706	.005010	.812 .812	.655	.020030	.818 .818	.432	.060080	.825 .825	.543	.015030
	.694	.020040	.807	.629	.020040	.810	.723	.025042	.812	.675 .687		.818	.549				.020040
.800	.711	.020040	.807	.638 .640	.010020	.811	.123	.005010	.812	.697	.050070 .050062	.818	.591	.005010	.825 .825	.624 .632	.030040
.801	.148	.010040	.807	.670	.050070	.811	.156	.030050	.812	.707	.005002	.818	.644	.010020	.825	.669	.020030
.801	.255	.030060	.807	.690	.015030	.811	.188	.040060	.813	.156	.040060	.818	.690	.040060	.825	.709	.005010
.801	.321	.040050	.807	.745	.020031	.811	.201	.040060	.813	.162	.040060	.818	.720	.025040	.826	.250	.040050
.801	.332	.080104	.808	.228	.005015	.811	.282	.050070	.813	.194	.100125	.819	.065	.025040	.826	.314	.030050
.801	.339	.040060	.808	.231	.060080	.811	.322	.030050	.813	.204	.005010	.819	.174	.005010	.826	.319	.030050
.801	.345	.075102	.808	.317	.015030	.811	.333	.005010	.813	.272	.100134	.819	.250	.005010	.826	.359	.105125
.801	.376	.015030	.808	.375	.105125	.811	.342	.135187	.813	.318	.060080	.819	.260	.010020	.826	.401	.010020
.801	.376	.040060	.808	.413	.060080	.811	.376	.040060	.813	.328	.005010	.819	.531	.005010	.826	.414	.025040
.801	.400	.025040	.808	.414	.025040	.811	.393	.010020	.813	.350	.030050	.819	.675	.025040	.826	.434	.050070
.801	.439	.005010	.808	.471	.005010	.811	.403	.060070	.813	.380	.100125	.819	.690	.020035	.826	.536	.090105
.801	.490	.005010	.808	.478	.020040	.811	.411	.010020	.813	.406	.030125	.819	.700	.040060	.826	.620	.030050
.801	.502	.015025	.808	.532	.005010	.811	.449	.100125	.813	.407	.100125	.820	.090	.005010	.826	.660	.020040
.801	.505	.005010	.808	.620	.015030	.811	.548	.070090	.813	.419	.005010	.820	.125	.015030	.826	.711	.025040
.801 .801	.596 .598	.015025 .015030	.808 .808	.626 .692	.015030 .030050	.811 .811	.553 .566	.040060 .025050	.813 .813	.431 .435	.005010 .100125	.820 .820	.159 .198	.105135	.827 .827	.187 .215	.010020 .005010
.801	.629	.040060	.809	.092	.030050	.811	.567	.042062	.813	.433	.050070	.820	.221	.010020	.827	.236	.005010
.801	.650	.010020	.809	.094	.015032	.811	.568	.005010	.813	.450	.040060	.820	.280	.060075	.827	.238	.005010
.801	.657	.005010	.809	.099	.005015	.811	.576	.026052	.813	.493	.005010	.820	.310	.005010	.827	.317	.005125
.801	.674	.005010	.809	.157	.050070	.811	.577	.025042	.813	.494	.020040	.820	.315	.005010	.827	.318	.005010
.801	.696	.060070	.809	.250	.020030	.811	.595	.035060	.813	.496	.010020	.820	.320	.040060	.827	.328	.060080
.802	.257	.060080	.809	.257	.030050	.811	.623	.005010	.813	.500	.050083	.820	.340	.005010	.827	.331	.120135
.802	.261	.040062	.809	.288	.070090	.811	.630	.005010	.813	.504	.105135	.820	.348	.005010	.827	.332	.156187
.802	.346	.020035	.809	.321	.025042	.811	.656	.005010	.813	.510	.020040	.820	.380	.005010	.827	.376	.005010
.802	.387	.050075	.809	.336	.050070	.811	.658	.020030	.813	.562	.080100	.820	.392	.010020	.827	.393	.005010
.802	.408	.100110	.809	.377	.005010	.812	.127	.025040	.813	.563	.005020	.820	.395	.050075	.827	.407	.090120
.802	.453	.025040	.809	.385	.005010	.812	.130	.015030	.813	.597	.020040	.820	.405	.135160	.827	.412	.005010
.802	.503	.005010	.809	.414	.070090	.812	.136	.040060	.813	.631	.010020	.820	.442	.025040	.827	.415	.060080
.802	.516	.040060	.809	.475	.070090	.812	.141	.005040	.813	.634	.060080	.820	.450	.012025	.827	.473	.005010
.802	.596	.005010	.809	.483	.032042	.812	.191	.020040	.813	.659	.035048	.820	.453	.015025	.827 .827	.509	.050075 .005010
.802 .802	.611 .622	.025040 .020030	.809 .809	.504 .508	.005010 .005010	.812 .812	.192 .219	.005010 .062075	.813 .813	.680 .728	.005030 .005010	.820 .820	.460 .482	.030040 .070090	.827	.632 .749	.005010
.802	.701	.005010	.809	.570	.050070	.812	.221	.080100	.814	.412	.060080	.820	.500	.005010	.828	.108	.005010
.802	.704	.025040	.809	.601	.020040	.812	.245	.020036	.814	.522	.040060	.820	.536	.050070	.828	.317	.010015
.802	.752	.005008	.809	.625	.005010	.812	.253	.080104	.814	.532	.090105	.820	.542	.005010	.828	.407	.015030
.803	.261	.050075	.810	.057	.005010	.812	.255	.005010	.814	.598	.050075	.820	.559	.050075	.828	.447	.060080
.803	.264	.010020	.810	.116	.015032	.812	.269	.050070	.814	.628	.020030	.820	.564	.100125	.828	.499	.005008
.803	.345	.080105	.810	.142	.040060	.812	.312	.040060	.814	.637	.042062	.820	.565	.100125	.828	.502	.030040
.803	.422	.015030	.810	.150	.040060	.812	.314	.025042	.814	.641	.005010	.820	.566	.005010	.828	.504	.005020
.803	.517	.105125	.810	.166	.025040	.812	.315	.015030	.814	.751	.020030	.820	.572	.105125	.828	.530	.005010
.803	.569	.005010	.810	.185	.005010	.812	.375	.150180	.815	.129	.020040	.820	.591	.010020	.828	.590	.015030
.803	.715	.010025	.810	.192	.050062	.812	.376	.156190	.815	.221	.020030	.820	.600	.005010	.828	.655	.005010
.804	.134	.050072	.810	.198	.030050	.812	.378	.050083	.815	.255	.060075	.820	.636	.030050	.828	.727	.005010
.804	.191	.060080	.810	.210	.025042	.812	.379	.025032	.815	.260	.048062	.820	.678	.010020	.829	.137	.025048
.804 .804	.313 .330	.005010	.810 .810	.218	.100125 .062078	.812 .812	.390	.031060	.815 .815	.281 .309	.105120	.820 .820	.698 .726	.005030	.829 .829	.250 .283	.030050 .020030
.804	.409	.050072 .100125	.810	.250 .255	.062078	.812	.391 .398	.080100 .015135	.815	.439	.005010 .025040	.820	.144	.015025 .032048	.829	.283 .414	.020030
.804	.602	.005010	.810	.233	.020040	.812	.401	.040060	.815	.444	.025040	.821	.157	.032040	.829	.430	.100125
.805	.312	.005010	.810	.355	.005050	.812	.406	.075090	.815	.468	.025036	.821	.266	.010020	.829	.468	.100125
.805	.564	.090110	.810	.379	.005090	.812	.409	.050090	.815	.500	.015030	.821	.416	.100125	.829	.475	.080104
.805	.573	.060080	.810	.385	.080105	.812	.410	.060070	.815	.527	.080104	.821	.596	.005030	.829	.480	.105135
.805	.632	.005010	.810	.386	.015030	.812	.411	.105125	.815	.555	.030050	.821	.625	.005010	.829	.500	.005010
.805	.656	.005010	.810	.395	.005010	.812	.436	.100125	.815	.556	.015025	.821	.636	.060080	.829	.503	.025040
.805	.672	.005010	.810	.405	.060080	.812	.437	.015030	.815	.578	.080100	.821	.727	.030048	.829	.648	.050070
.805	.692	.010020	.810	.413	.005012	.812	.441	.032048	.815	.669	.025040	.822	.200	.020030	.829	.653	.030060
.806	.209	.005010	.810	.419	.062078	.812	.442	.062075	.816	.419	.060080	.822	.523	.060080	.829	.761	.020030
.806	.262	.040060	.810	.443	.005010	.812	.456	.104125	.816	.439	.015030	.822	.693	.050070	.830	.160	.060090
.806	.300	.005010	.810	.455	.060093	.812	.469	.030050	.816	.456	.070090	.823	.407	.005010	.830	.187	.020040

	O.D.	LD.	Choose Any Thickness*	O.D.	LD	Choose Any Thickness*	O.D.	LD.	Choose Any Thickness*	O.D.	LD.	Choose Any Thickness*	O.D.	I.D.		O.D.	LD	Choose Any Thickness*
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	.830	.632	.025040	.840	.515	.025040	.847	.193	.090105	.850	.711	.015030	.856	.640	.015030	.860	.750	.005010
1808 1809 1800	.830	.636	.015030	.840	.535	.005010	.847	.253	.005010	.850	.731	.020040	.856	.650	.010020	.860	.757	.005010
180				.840			.847	.323	.005010	.850	.735	.005030			.010020	.860	.767	.005010
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831 834 0.50 0.05 0.01 840 0.75 0.00 0.07 847 838 0.05 0.01 850 0.00 0.01 857 400 0.05 0.01 851 0.00																		
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831 489 005 -010 840 633 007 -015 848 687 907 -026 851 164 005 -007 857 856 015 -025 1861 620 005 -010 832 832 481 005 -026 835 173 005 -010 831 184 040 -036 857 860 010 -026 831 833 030 -027 833 832 830 005 -010 840 870 101 -026 848 831 005 -027 835 832 832 832 832 832 832 832 832 832 832																		
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833 770 0.030 - 1.042 844 469 752-05 848 685 302 - 0.02 851 503 0.050 - 1.00 885 649 0.030 - 0.00 862 477 0.15 - 0.02 0.00 851 303 0.00 - 0.00 884 482 0.00 0.00 802 472 0.00 - 0.00 884 482 0.00 0.00 803 0.00 0.00 803 0.00 0.00 803 0.00 1.00 809 0.05 884 580 0.00 0.00 804 400 0.00 805 851 500 0.00 885 720 0.00 802 2.00 0.00 802 2.00 0.00 800 1.00 800 .00 800 .00 <td>.832</td> <td></td> <td>.030040</td> <td>.840</td> <td></td> <td></td> <td>.848</td> <td></td> <td>.005010</td> <td>.851</td> <td>.421</td> <td>.105120</td> <td>.858</td> <td>.626</td> <td>.005010</td> <td>.862</td> <td>.295</td> <td>.040070</td>	.832		.030040	.840			.848		.005010	.851	.421	.105120	.858	.626	.005010	.862	.295	.040070
8384 .003 .000 .000 .814 .404 .000 .851 .513 .040 .000 .820 .822 .222 .020 .000 .824 .262 .000 .000 .851 .516 .000 .000 .851 .000 .000 .850 .000 .000 .851 .000 .000 .000 .852 .000 <th< td=""><td></td><td>.607</td><td></td><td>.840</td><td>.731</td><td></td><td>.848</td><td>.610</td><td></td><td>.851</td><td></td><td></td><td></td><td>.630</td><td></td><td></td><td>.312</td><td>.025042</td></th<>		.607		.840	.731		.848	.610		.851				.630			.312	.025042
844 462 0.093 0.090 - 0.000 841 851 0.090 - 0.001 849 1.51 0.090 - 0.005 851 564 0.000 - 0.001 868 2.000 - 0.001 868 2.000 - 0.001 868 0.000 - 0.001 868 720 0.000 - 0.000 868 2.52 0.000 - 0.001 868 0.000 - 0.001 868 720 0.000 - 0.001 868 0.000 - 0.001 868 773 0.000 - 0.001 868 0.000 - 0.001 868 773 0.000 - 0.001 868 0.000 - 0.001 868 0.000 - 0.001 869 0.000 - 0.001 869 0.000 - 0.001 869 0.000 - 0.001 869 0.000 - 0.001 869 0.000 - 0.001 869 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001 860 0.000 - 0.001																		
834 462 020 - 040 841 651 05 - 050 849 686 05 - 050 841 663 05 - 050 841 663 05 - 050 841 752 010 - 020 849 413 005 - 010 851 640 005 - 010 888 773 010 - 020 862 538 156 000 - 010 888 773 010 - 020 862 538 156 000 - 010 888 773 010 - 020 842 270 050 - 010 851 640 005 - 010 889 500 005 - 010 851 640 005 - 010 888 700 000 - 010 851 640 005 - 010 885 640 005 - 010 885 640 005 - 010 885 640 005 - 020 889 851 005 - 010 880 800 005 - 020 882 840 005 - 020 882 860 005 - 020 889 840 005 - 020 880 800 005 - 020 882 840 005 - 020 </td <td></td>																		
844 550 0.05 - 0.010 841 f883 0.05 - 0.020 849 4.01 0.04 - 0.00 851 633 0.05 - 0.010 888 773 0.01 - 0.00 862 529 0.05 - 0.075 844 .596 0.03 - 0.50 842 .378 0.05 - 0.042 .470 0.05 - 0.070 .891 .685 .00 - 0.020 .802 .005 - 0.010 .801 .005 .000 .005 .000 .005 .000 .005 .005 .000 .005 .000 .005 .000 .005 .001 .005 .005 .000 .005 .000 .005																		
834 599 0.30 - 6506 841 7.72 0.10 - 0.00 849 497 0.00 - 100 851 6.00 0.00 - 0.01 850 6.20 0.00 - 0.00 850 0.00 0.00 0.00 850 0.00 0.00 850 0.00 0.00 850 0.00 0.00 850 0.00 0.00 850 0.00 0.00 850 0.00 0.00 850 0.00 0.00 850 0.00 0.00 0.00 850 0.00 0.00 .889 0.00 0.00 .889 0.00 0.00 .889 0.00 0.00 .880 0.00 0.00 0.00 .880 0.00 0.00 .880 0.00 .00 .880 0.00 .00 .880 .00 0.00 .00 .880 .890 .00 .00 .880 .890 .00 .00 .880 .890 .00 .00 .880 .890 .00 .00 .880 .890 .00																		
8.84 .596 .030650 .842 .378 .025042 .849 .479 .005010 .851 .655 .050010 .084 .030050 .882 .671 .040060 .889 .171 .010020 .882 .689 .055010 .851 .682 .087 .040060 .889 .171 .010020 .882 .680 .005010 .883 .281 .005011 .885 .287 .005001 .885 .287 .005001 .885 .389 .005015 .886 .005001 .880 .005001 .880 .005001 .880 .005001 .880 .005001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880 .000001 .880																		
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835 221 0.05 - 0.10 842 6.31 0.05 - 0.05 859 380 0.05 - 0.15 862 892 2.02 - 0.03 .835 340 0.04 - 0.06 .824 .632 .615 0.55 1.55 0.05 - 0.01 .852 .409 0.05 - 0.01 .850 .174 0.05 - 0.01 .850 .174 0.05 - 0.01 .850 .174 0.05 - 0.01 .850 .174 0.05 - 0.01 .850 .174 0.05 - 0.01 .850 .175 0.05 - 0.01 .850 .175 0.05 - 0.01 .850 .101 .102 .850 .101 .102 .850 .101 .102 .850 .102 .102 .103 .102 .103 .850 .102 .102 .103 .102 .102 .850 .102 .102 .103 .852 .543 .102 .048 .202 .002 .002 .002 .002 .008 .852 .543 .002 .002 .002 .002 .002 .002 <				.842			.849		.005010	.851	.671	.040060		.171	.010020	.862		.005010
835 390 040-060 842 632 101-060 850 155 055-040 852 409 005-020 859 439 020-030 862 751 030-000 030-010 835 480 010-120 842 769 005-010 850 175 050-070 852 528 015-030 859 450 005-010 860 202 008-010 863 239 005-010 860 202 008-010 863 272 008-010 860 202 008-010 850 204 008-010 850 860 202 008-010 850 208 262	.835	.200	.020035	.842	.593	.080095	.849	.606	.005010	.852	.187	.040060	.859	.265	.075090	.862	.680	.020032
835 441 070 - 090 842 769 005 - 010 850 .174 025 - 070 852 503 020 - 030 859 .480 0.05 - 020 .862 .763 005 - 010 835 .506 080 - 100 842 .774 005 - 010 .850 .180 .120 - 135 .525 .581 .115 - 025 .869 .489 .020 - 030 .863 .272 .022 - 078 835 .595 .010 - 0.20 .843 .121 .040 - 0.60 .850 .200 .000 - 0.00 .852 .620 .000 - 0.00 .852 .620 .000 - 0.00 .852 .640 .852 .650 .640 .850 .250 .000 - 0.00 .853 .250 .000 - 0.00 .853 .820 .000 - 0.00 .853 .860 .860 .869 .869 .869 .800 .800 .833 .431 .000 - 0.00 .833 .831 .000 - 0.00 .883 .850 .860 .860 .860 .860 .860	.835	.221	.005010	.842	.631	.005008	.849	.631	.010020	.852	.257	.062090	.859	.380	.005015	.862	.692	.020030
835 480 0.10 - 0.20 842 729 0.05 - 101 850 180 190 - 103 852 528 151 - 0.20 859 484 0.15 - 0.30 863 139 0.30 - 0.50 835 570 0.05 - 0.50 843 142 0.10 - 0.20 850 2.00 0.20 - 0.00 852 5.43 0.15 - 0.00 859 5.00 .83 3.75 0.22 - 0.00 .85 2.00 0.20 - 0.00 852 5.83 0.05 - 0.00 .85 2.00 0.05 - 0.00 .85 .20 - 0.00 .85 .20 - 0.00 .85 .20 - 0.00 .85 .20 - 0.00 .85 .85 .00 - 0.00 .86 .42 - 0.00 .00 - 0.00 .85 .82 - 0.00 .85 .85 .88 .00 - 0.00 .88 .42 - 0.00 .00 - 0.00 .83 .42 - 0.00 .00 - 0.00 .83 .42 - 0.00 .00 - 0.00 .83 .42 - 0.00 .00 - 0.00 .83 .43 - 0.00 .00 - 0.00 .83 - 0.00 .00 - 0.00 .83 - 0.00 .00 - 0.00 <td></td>																		
835 506 080 - 100 .842 .764 .005010 .850 .200 .020020 .852 .543 .015025 .859 .010020 .843 .142 .010020 .850 .200 .020020 .852 .543 .020040 .855 .508 .025040 .853 .032042 .843 .228 .020000 .850 .020040 .855 .515 .032042 .863 .422 .005010 .800																		
835 570 005-050 843 1.142 0.10-020 880 2.20 0.20-080 852 628 0.25-040 859 508 0.20-040 859 508 0.00 0.08-070 0.08-000 833 3.75 0.00-000 .843 2.20 0.05-010 850 2.20 0.015-030 852 685 0.20-040 .859 .606 0.60-0.00 .863 .505 0.005-010 835 7.82 0.20-0.030 .843 .386 0.05-010 .850 .250 .005-010 .853 .356 .020-0.030 .863 .354 .005-010 .860 .251 .120-140 .853 .366 .030-0.060 .859 .628 .020-0.030 .863 .341 .005-0.010 .850 .055-0.010 .853 .480 .005-0.010 .853 .481 .005-0.010 .850 .361 .005-0.010 .850 .629 .005-0.010 .863 .681 .005-0.010 .853 .480 .005-0.010 .850 </td <td></td>																		
835 595 010 - 020 843 210 040 - 060 850 240 048 - 072 852 628 020 - 002 859 615 032 - 060 83 242 090 - 120 835 753 020 - 040 843 288 .040 - 060 850 .251 1.20 - 140 .853 .266 .030 - 060 .859 .606 .060 - 080 .833 .501 .005 - 010 835 .782 .020 - 030 .843 .388 .005 - 010 .850 .851 .005 - 010 .853 .307 .005 - 010 .863 .960 - 020 .863 .300 - 010 .863 .905 - 010 .863 .300 - 070 .893 .800 - 000 - 000 .800 - 000 .800 .830 .830 .000 - 000 .803 .800 - 000 - 000 .803 .800 - 000 - 000 .800 - 000 .800 .800 - 000 .800 - 000 .800 - 000 .800 .800 - 000 .800 - 000 .800 - 000 .800 - 000 .800 - 000 .800 - 000 .800 - 000 .800 - 000																		
8.85 0.30 0.00 8.43 2.80 0.05 0.15 1.20 1.00 8.53 2.86 0.02 0.00 8.63 0.50 0.05 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																		
.836 .782 .020030 .843 .358 .050010 .850 .252 .005010 .853 .357 .005010 .859 .629 .005010 .863 .640 .010030 .836 .438 .005010 .843 .300 .070090 .850 .283 .005010 .859 .650 .030070 .863 .679 .040002 .836 .480 .004060 .843 .500 .005010 .850 .301 .015125 .853 .480 .010020 .863 .680 .005008 .836 .680 .005010 .850 .300 .005010 .850 .850 .300 .000008 .853 .628 .005010 .863 .680 .010000 .863 .822 .001000 .863 .822 .010000 .863 .822 .010000 .863 .862 .010000 .863 .862 .010000 .863 .862 .0																		
.836 .416 .010020 .843 .390 .070090 .850 .283 .005010 .853 .401 .040060 .859 .660 .020040 .863 .679 .040062 .836 .438 .005010 .843 .450 .005010 .850 .302 .105032 .833 .005070 .859 .671 .040060 .863 .680 .005008 .836 .680 .005060 .843 .530 .040060 .850 .319 .060083 .628 .040060 .859 .750 .050010 .863 .860 .005010 .850 .331 .060010 .850 .331 .060010 .850 .340 .055010 .853 .622 .040060 .859 .750 .055010 .863 .860 .030050 .860 .030050 .860 .032040 .860 .030050 .860 .032040 .860 .861 .852 .005 -	.835	.753		.843			.850		.120140			.030060	.859			.863	.531	
.836 .438 .055010 .843 .453 .100125 .850 .301 .015030 .853 .408 .050070 .859 .650 .030070 .863 .679 .040062 .836 .480 .040060 .843 .530 .040060 .850 .316 .090105 .833 .467 .010020 .859 .675 .030050 .863 .682 .010020 .836 .705 .032060 .843 .559 .050072 .850 .319 .060080 .853 .628 .040060 .859 .705 .005010 .863 .682 .005010 .803 .680 .005010 .803 .680 .036 .080010 .803 .005010 .803 .805 .340 .005010 .850 .808 .080010 .803 .809 .005010 .803 .809 .005010 .803 .809 .005010 .803 .808 .005010	.835	.782	.020030	.843	.358	.005010	.850	.252	.005010	.853	.357	.005010	.859	.629	.005010	.863	.540	.015030
.836 .450 .040060 .843 .500 .005010 .850 .302 .105125 .853 .436 .016025 .859 .671 .040060 .863 .080 .005006 .843 .559 .050072 .850 .319 .060080 .853 .628 .040060 .859 .705 .005010 .863 .682 .010020 .837 .506 .115130 .843 .630 .005010 .850 .330 .020040 .853 .622 .005010 .859 .709 .005010 .863 .688 .005010 .837 .500 .015010 .863 .880 .031050 .883 .881 .087 .030050 .881 .868 .005010 .863 .883 .881 .883 .881 .883 .881 .883 .881 .883 .881 .883 .881 .883 .881 .883 .881 .883 .881 .881 .883	.836	.416		.843	.390	.070090	.850	.283		.853	.401	.040060	.859	.646	.020040	.863	.626	
836 6.80 0.05 - 0.08 8.43 5.50 0.40 - 0.60 .850 .316 0.90 - 1.05 .853 .467 0.10 - 0.20 .859 .705 .032 - 0.60 .843 .559 .050010 .850 .319 .060080 .853 .632 .040060 .859 .779 .005010 .863 .687 .015020 837 .506 .115 - 1.30 .843 .656 .010020 .850 .340 .005010 .859 .779 .005010 .863 .688 .005010 .863 .632 .005010 .860 .030050 .860 .030050 .860 .030050 .860 .030050 .860 .030050 .860 .171 .015030 .864 .282 .030030 .850 .375 .050010 .860 .375 .050010 .860 .252 .030040 .864 .283 .050010 .860 .374 .005010 .854 .352 .000012 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																		
836 .705 .032060 .843 .559 .050072 .850 .319 .060080 .853 .628 .040060 .859 .775 .050010 .863 .687 .055010 .837 .527 .040060 .843 .656 .010020 .850 .340 .050010 .850 .005010 .853 .726 .030050 .860 .032042 .863 .759 .015050 .837 .530 .048075 .843 .689 .030040 .850 .351 .050010 .860 .171 .015030 .864 .208 .055010 .863 .586 .010020 .850 .351 .030040 .860 .212 .030050 .864 .280 .055010 .851 .030050 .854 .329 .050075 .860 .225 .030050 .864 .329 .050075 .860 .225 .050010 .864 .328 .032040 .844 <td></td>																		
887 .506 .115130 .843 .630 .005010 .853 .622 .005010 .860 .032042 .863 .688 .065010 .837 .527 .040060 .843 .689 .030042 .850 .350 .080010 .853 .750 .005010 .864 .202 .020030 .050010 .864 .202 .005010 .864 .202 .005010 .853 .750 .005010 .864 .202 .005010 .850 .351 .030050 .854 .077 .005030 .860 .192 .090125 .864 .362 .005010 .854 .352 .005075 .860 .252 .015030 .864 .420 .080010 .883 .821 .025040 .844 .578 .005010 .854 .578 .010020 .860 .252 .015030 .864 .420 .080004 .840 .252 .015030 .864 .430<																		
837 5.27 J.404060 843 666 .010020 .850 .340 .005010 .853 .726 .030050 .860 .036 .032042 .883 .759 .015050 .837 .591 .005010 .843 .782 .020030 .850 .351 .030050 .860 .171 .015030 .864 .208 .005010 .837 .633 .025040 .844 .099 .025040 .850 .356 .010020 .854 .329 .050075 .860 .252 .030040 .864 .368 .065010 .837 .673 .025040 .844 .555 .010020 .850 .377 .005010 .854 .578 .010020 .860 .252 .015030 .864 .430 .040060 .838 .281 .032044 .855 .005010 .850 .377 .005010 .854 .578 .010020 .860 <																		
.837 .530 .048075 .843 .689 .030040 .850 .350 .080104 .853 .750 .005010 .860 .171 .015030 .864 .208 .005010 .837 .591 .005040 .844 .099 .025040 .850 .356 .010020 .854 .329 .050075 .860 .225 .030040 .864 .368 .005010 .837 .679 .025040 .844 .397 .005010 .850 .374 .005010 .854 .352 .100125 .860 .252 .015030 .864 .420 .080010 .837 .783 .010020 .844 .578 .005010 .850 .377 .005010 .854 .583 .005010 .850 .380 .005010 .854 .583 .005010 .850 .255 .005010 .860 .255 .005010 .860 .561 .015020																		
.837 .591 .005010 .843 .782 .020030 .850 .351 .030050 .854 .077 .005030 .860 .192 .090125 .864 .316 .005010 .837 .633 .025040 .844 .099 .025040 .850 .374 .005010 .854 .329 .050075 .860 .252 .015030 .864 .420 .086100 .837 .693 .025040 .844 .555 .010020 .850 .377 .005020 .854 .578 .010020 .864 .430 .040060 .838 .291 .050075 .844 .610 .030060 .850 .380 .030040 .854 .605 .005010 .860 .265 .075090 .864 .536 .045025 .838 .290 .050010 .850 .380 .030050 .860 .275 .030050 .864 .536 .060020																		
.837 .633 .025040 .844 .099 .025040 .850 .356 .010020 .854 .329 .050075 .860 .225 .030040 .864 .368 .005010 .837 .679 .025040 .844 .357 .005010 .850 .377 .005010 .854 .352 .100125 .860 .252 .015030 .864 .420 .080100 .838 .281 .032060 .844 .578 .005010 .850 .378 .005010 .854 .583 .030050 .860 .265 .075090 .864 .505 .015025 .884 .666 .070090 .850 .382 .005010 .854 .655 .005010 .864 .536 .080104 .884 .610 .005010 .850 .884 .100125 .854 .655 .005010 .860 .257 .030050 .864 .551 .005010 .860																		
.837 .679 .025040 .844 .397 .005010 .850 .374 .005010 .854 .352 .100125 .860 .252 .015030 .864 .420 .080100 .837 .783 .010020 .844 .555 .010020 .850 .377 .005010 .854 .583 .030050 .860 .255 .005010 .864 .430 .040060 .838 .281 .032060 .844 .578 .005010 .850 .380 .030040 .854 .605 .005010 .864 .556 .075090 .864 .556 .005010 .860 .275 .030050 .864 .550 .384 .005012 .854 .655 .005010 .860 .275 .030050 .864 .551 .005010 .860 .275 .030050 .864 .551 .005010 .860 .321 .062090 .864 .551 .005010																		
.838 .281 .032060 .844 .578 .005010 .850 .378 .005010 .854 .583 .030050 .860 .261 .010030 .864 .505 .015025 .838 .290 .050075 .844 .610 .030060 .850 .380 .030040 .854 .605 .005010 .860 .275 .030050 .864 .551 .005010 .860 .314 .075090 .864 .551 .005010 .850 .381 .0050125 .854 .655 .005010 .860 .314 .075090 .864 .551 .005010 .850 .381 .100125 .854 .655 .005010 .860 .321 .062090 .864 .595 .005010 .860 .321 .062090 .864 .595 .005008 .883 .680 .005010 .860 .321 .062090 .864 .595 .005010 .860 .324	.837	.679	.025040	.844	.397		.850	.374	.005010	.854	.352	.100125	.860	.252		.864	.420	.080100
.838 .290 .050075 .844 .610 .030060 .850 .380 .030040 .854 .605 .005010 .860 .265 .075090 .864 .536 .080104 .838 .376 .015030 .844 .666 .070090 .850 .382 .005125 .854 .650 .005010 .860 .275 .030050 .864 .551 .005010 .838 .482 .031048 .844 .703 .005010 .850 .854 .605 .005010 .860 .314 .075090 .864 .595 .005010 .838 .508 .005010 .844 .750 .020040 .850 .495 .015025 .855 .078 .005010 .860 .324 .060080 .864 .628 .050070 .838 .563 .040060 .845 .163 .010020 .850 .502 .005010 .855 .229<																		
.838 .376 .015030 .844 .666 .070090 .850 .382 .005125 .854 .650 .005010 .860 .275 .030050 .864 .551 .005010 .838 .482 .031048 .844 .701 .015030 .850 .384 .100125 .854 .655 .005010 .860 .314 .075090 .864 .569 .010020 .838 .483 .050015 .844 .711 .015030 .850 .433 .005010 .854 .808 .015020 .860 .321 .062090 .864 .595 .005010 .864 .620 .010020 .855 .078 .005010 .860 .321 .062090 .864 .620 .010020 .853 .005010 .850 .381 .016 .005010 .855 .130 .005010 .850 .905010 .855 .229 .050075 .860 .343																		
.838 .482 .031048 .844 .703 .005010 .850 .384 .100125 .854 .655 .005010 .860 .314 .075090 .864 .569 .010020 .838 .483 .050075 .844 .711 .015030 .850 .433 .005010 .854 .808 .015020 .860 .321 .062090 .864 .595 .005008 .838 .508 .005010 .844 .750 .020040 .850 .505 .015025 .855 .078 .005010 .860 .324 .060080 .864 .628 .050070 .853 .618 .040060 .845 .163 .010020 .850 .502 .005010 .855 .229 .050070 .860 .344 .005010 .864 .628 .050070 .855 .229 .050070 .860 .344 .005010 .864 .633 .005010 .855																		
.838 .483 .050075 .844 .711 .015030 .850 .433 .005010 .854 .808 .015020 .860 .321 .062090 .864 .595 .005008 .838 .508 .005010 .844 .750 .020040 .850 .495 .015025 .855 .078 .005010 .860 .324 .060080 .864 .620 .010020 .838 .563 .040060 .845 .163 .010020 .850 .500 .015025 .855 .130 .060080 .860 .384 .065010 .864 .628 .050070 .838 .651 .010020 .845 .313 .015090 .850 .502 .005010 .855 .229 .050075 .860 .340 .002030 .864 .633 .005010 .850 .506 .002040 .855 .229 .050075 .860 .348 .005015																		
.838 .508 .005010 .844 .750 .020040 .850 .495 .015025 .855 .078 .005010 .860 .324 .060080 .864 .620 .010020 .838 .563 .040060 .845 .163 .010020 .850 .500 .015025 .855 .130 .060080 .860 .338 .005010 .864 .628 .050070 .838 .618 .040060 .845 .313 .015090 .850 .502 .005010 .855 .229 .050075 .860 .340 .020030 .864 .633 .005010 .850 .503 .005010 .855 .242 .020040 .860 .384 .005015 .864 .633 .005010 .855 .242 .020040 .860 .428 .100125 .864 .781 .010020 .845 .485 .020030 .850 .503 .005012 .855																		
.838 .563 .040060 .845 .163 .010020 .850 .500 .015025 .855 .130 .060080 .860 .338 .005010 .864 .628 .050070 .838 .618 .040060 .845 .313 .015090 .850 .502 .005010 .855 .229 .050075 .860 .340 .020030 .864 .633 .005010 .838 .651 .010020 .845 .466 .005010 .850 .503 .005010 .855 .229 .050040 .860 .384 .005015 .864 .639 .042062 .838 .665 .005010 .845 .482 .005010 .850 .506 .020040 .855 .327 .048072 .860 .428 .100125 .864 .781 .010020 .838 .756 .015020 .850 .500 .509 .005012 .855 .375<																		
.838 .618 .040060 .845 .313 .015090 .850 .502 .005010 .855 .229 .050075 .860 .340 .020030 .864 .633 .005010 .838 .651 .010020 .845 .466 .005010 .850 .503 .005010 .855 .242 .020040 .860 .384 .005015 .864 .639 .042062 .838 .665 .005010 .845 .482 .005010 .850 .506 .020040 .855 .327 .048072 .860 .428 .100125 .864 .781 .010020 .838 .756 .015020 .845 .497 .015030 .850 .510 .005012 .855 .375 .005062 .860 .488 .010020 .865 .260 .020040 .839 .316 .015030 .850 .513 .005012 .855 .376 .070																		
.838 .651 .010020 .845 .466 .005010 .850 .503 .005010 .855 .242 .020040 .860 .384 .005015 .864 .639 .042062 .838 .665 .005010 .845 .482 .005010 .850 .506 .020040 .855 .327 .048072 .860 .428 .100125 .864 .781 .010020 .838 .706 .015020 .845 .495 .020030 .850 .509 .005012 .855 .331 .030050 .860 .439 .020035 .865 .205 .005010 .839 .316 .015030 .845 .497 .015030 .850 .513 .005012 .855 .376 .005062 .860 .458 .010020 .865 .260 .020040 .839 .502 .005010 .850 .513 .005010 .855 .503 .010																		
.838																		
.838 .756 .005010 .845 .497 .015030 .850 .510 .005012 .855 .375 .005062 .860 .458 .010020 .865 .260 .020040 .839 .316 .015030 .845 .513 .015030 .850 .513 .005060 .855 .376 .070090 .860 .488 .010020 .865 .351 .020030 .839 .502 .005010 .845 .651 .030050 .850 .523 .040060 .855 .503 .010080 .860 .496 .005010 .865 .355 .015030 .839 .591 .010015 .845 .660 .010020 .850 .535 .050075 .855 .509 .070080 .860 .542 .005010 .865 .398 .020040 .839 .628 .050070 .845 .758 .005035 .850 .564 .005010 .855 .513 .010020 .860 .540 .040060 .855 .412 .060080 .839 .652 .005010 .845 .782 .005010 .850 .574 .060080 .855 .531 .010020 .860 .562 .015030 .865 .412 .040060 .864 .400 .165 .005010 .866 .242 .032050 .850 .585 .010020 .855 .562 .005010 .860 .563 .005015 .865 .421 .040060 .861 .400 .400060 .865 .401 .040 -	.838		.005010		.482	.005010			.020040			.048072	.860		.100125			.010020
.839 .316 .015030 .845 .513 .015030 .850 .513 .005060 .855 .376 .070090 .860 .488 .010020 .865 .351 .020030 .839 .502 .005010 .845 .651 .030050 .850 .523 .040060 .855 .503 .010080 .860 .496 .005010 .865 .355 .015030 .839 .591 .010015 .845 .660 .010020 .850 .535 .050075 .855 .509 .070080 .860 .512 .005010 .865 .398 .020040 .839 .628 .050070 .845 .758 .005035 .850 .566 .005010 .855 .512 .005010 .860 .412 .060080 .839 .652 .005010 .845 .782 .005010 .850 .574 .060080 .855 .531 .010																		
.839 .502 .005010 .845 .651 .030050 .850 .523 .040060 .855 .503 .010080 .860 .496 .005010 .865 .355 .015030 .839 .591 .010015 .845 .660 .010020 .850 .535 .050075 .855 .509 .070080 .860 .512 .005010 .865 .398 .020040 .839 .628 .050070 .845 .758 .005035 .850 .566 .005010 .855 .512 .005010 .860 .412 .060080 .839 .652 .005010 .845 .782 .005010 .850 .574 .060080 .855 .531 .010020 .860 .562 .015030 .865 .421 .040060 .840 .165 .005010 .846 .242 .032050 .850 .585 .010020 .855 .562 .005																		
.839 .591 .010015 .845 .660 .010020 .850 .535 .050075 .855 .509 .070080 .860 .512 .005010 .865 .398 .020040 .839 .628 .050070 .845 .758 .005035 .850 .566 .005010 .855 .512 .005010 .860 .540 .040060 .865 .412 .060080 .839 .652 .005010 .845 .782 .005010 .850 .574 .060080 .855 .531 .010020 .855 .531 .010020 .860 .563 .005015 .865 .421 .040060 .840 .165 .005010 .846 .242 .032050 .850 .585 .010020 .855 .562 .005010 .860 .563 .005015 .865 .434 .005010																		
.839 .628 .050070 .845 .758 .005035 .850 .566 .005010 .855 .512 .005010 .860 .540 .040060 .865 .412 .060080 .839 .652 .005010 .845 .782 .005010 .850 .574 .060080 .855 .531 .010020 .860 .562 .015030 .865 .421 .040060 .840 .165 .005010 .846 .242 .032050 .850 .585 .010020 .855 .562 .005010 .860 .563 .005015 .865 .434 .005010																		
.839 .652 .005010 .845 .782 .005010 .845 .782 .005010 .850 .574 .060080 .855 .531 .010020 .860 .562 .015030 .865 .421 .040060 .840 .165 .005010 .846 .242 .032050 .850 .585 .010020 .855 .562 .005010 .860 .563 .005015 .865 .434 .005010																		
.840 .165 .005010 .846 .242 .032050 .850 .585 .010020 .855 .562 .005010 .860 .563 .005015 .865 .434 .005010																		

								BUKER	2 ME	IAL	WASHER	O AITE	I LA	AND I	JIVIBL	L DL	BURKED
O.D.	I.D.	Choose Any Thickness*															
965	176	.020040	967	120	.020040	.870	210	.080100	.872	.334	.010050	.874	E10	.015030	.875	.384	.008016
.865 .865	.476 .477	.020040	.867 .867	.129 .264	.070090	.870	.318 .320	.040060	.872	.376	.010030	.874	.513 .514	.005010	.875	.389	.040060
.865	.479	.070090	.867	.336	.090120	.870	.345	.025040	.872	.386	.010020	.874	.526	.050070	.875	.390	.060075
.865	.492	.036060	.867	.360	.020040	.870	.352	.005010	.872	.388	.010020	.874	.533	.030060	.875	.391	.040060
.865	.493	.010020	.867	.370	.025040	.870	.354	.060080	.872	.394	.005025	.874	.535	.032048	.875	.393	.005010
.865	.551	.080100	.867	.381	.030060	.870	.381	.090120	.872	.397	.040060	.874	.540	.030050	.875	.395	.090125
.865	.553	.010020	.867	.387	.005010	.870	.387	.135187	.872	.399	.005010	.874	.579	.015030	.875	.396	.010020
.865	.566	.005010	.867	.394	.010020	.870	.393	.050070	.872	.402	.010020	.874	.601	.070090	.875	.397	.050070
.865	.570	.030040	.867	.398	.005010	.870	.394	.070080	.872	.475	.060083	.874	.603	.005010	.875	.399	.005010
.865	.597	.042062	.867	.405	.090105	.870	.421	.040060	.872	.476	.055085	.874	.621	.005010	.875	.405	.100120
.865	.626	.040060	.867	.413	.005010	.870	.437	.060080	.872	.562	.075090	.874	.624	.020040	.875	.406	.050060
.865	.630	.005010	.867	.452	.005010	.870	.440	.156187	.872	.593	.075104	.874	.625	.015025	.875	.412	.100125
.865 .865	.634 .635	.005070 .005010	.867 .867	.474 .477	.090110 .015030	.870 .870	.450 .459	.090120 .010020	.872 .872	.605 .626	.005010 .005010	.874 .874	.627 .645	.030050	.875 .875	.413 .415	.005015 .060083
.865	.650	.020030	.867	.560	.040060	.870	.461	.040060	.872	.687	.005010	.874	.658	.005010	.875	.430	.000003
.865	.656	.015030	.867	.566	.005010	.870	.472	.005010	.872	.725	.040060	.874	.660	.010020	.875	.436	.060080
.865	.672	.010015	.867	.593	.015030	.870	.478	.010020	.872	.728	.005010	.874	.688	.015030	.875	.437	.050080
.865	.698	.005010	.867	.608	.080120	.870	.502	.030040	.872	.754	.005010	.874	.721	.010020	.875	.438	.010020
.865	.714	.005010	.867	.632	.025040	.870	.505	.040075	.872	.755	.005025	.874	.751	.020030	.875	.439	.005010
.865	.715	.032042	.867	.638	.012020	.870	.506	.080105	.872	.760	.005010	.875	.070	.005010	.875	.440	.015125
.865	.740	.020040	.867	.644	.080100	.870	.508	.105135	.872	.807	.010015	.875	.086	.005010	.875	.448	.030050
.865	.755	.032050	.867	.670	.015030	.870	.512	.005010	.873	.140	.048062	.875	.087	.020040	.875	.451	.005010
.865	.756	.005010	.867	.688	.005008	.870	.520	.075090	.873	.153	.050075	.875	.111	.020040	.875	.452	.005010
.865	.794	.005010	.867	.690	.010020	.870	.540	.005010	.873	.194	.070090	.875	.129	.020040	.875	.453	.025080
.866	.157	.020030	.867	.704	.025040	.870	.541	.105125	.873	.195	.005010	.875	.133	.032042	.875	.456	.090125
.866	.197	.080100	.867	.709	.005010	.870	.551	.050070	.873	.224	.020040	.875	.140	.015030	.875	.465	.080100
.866 .866	.236 .239	.005020 .030050	.867 .867	.710 .724	.010030 .040060	.870 .870	.557 .562	.005010 .005060	.873 .873	.307 .312	.007016 .030050	.875 .875	.150 .153	.005010	.875 .875	.473 .475	.100125 .025040
.866	.239	.030030	.867	.753	.040060	.870 .870	.567	.005060	.873	.361	.105125	.875	.158	.040060	.875	.475 .481	.120135
.866	.276	.030040	.867	.760	.015030	.870	.578	.040060	.873	.365	.005010	.875	.161	.040060	.875	.486	.020040
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.866	.315	.005020	.868	.237	.005010	.870	.608	.030060	.873	.387	.015025	.875	.175	.040060	.875	.502	.015030
.866	.316	.005010	.868	.238	.005010	.870	.610	.005012	.873	.388	.005010	.875	.180	.062075	.875	.504	.030125
.866	.317	.005010	.868	.315	.015060	.870	.625	.015030	.873	.405	.015030	.875	.184	.020040	.875	.505	.005042
.866	.318	.005020	.868	.317	.005010	.870	.628	.025040	.873	.410	.105135	.875	.187	.090105	.875	.506	.090125
.866	.322	.005010	.868	.442	.005010	.870	.629	.005010	.873	.412	.005010	.875	.190	.105125	.875	.507	.030125
.866	.325	.090105	.868	.462	.030050	.870	.632	.010050	.873	.436	.050075	.875	.192	.025042	.875	.513	.032135
.866	.336	.070080	.868	.473	.005010	.870	.639	.005010	.873	.440	.105135	.875	.196	.020040	.875	.516	.060080
.866	.350	.025040	.868	.477	.005010	.870	.640	.030060	.873	.467	.015030	.875	.196	.050075	.875	.517	.005010
.866 .866	.355 .394	.005010 .005020	.868 .868	.513 .521	.015025 .100134	.870 .870	.647 .649	.005010 .015030	.873 .873	.470 .503	.030050 .015070	.875 .875	.199 .203	.050070 .062090	.875 .875	.518 .527	.090110 .032048
.866	.395	.010020	.868	.527	.010020	.870	.650	.040060	.873	.522	.020040	.875	.204	.040060	.875	.530	.015030
.866	.396	.005010	.868	.563	.080100	.870	.682	.015075	.873	.532	.170190	.875	.226	.005010	.875	.531	.105125
.866	.397	.005015	.868	.606	.015030	.870	.687	.050062	.873	.546	.050070	.875	.236	.005060	.875	.537	.005010
.866	.401	.105125	.868	.607	.015030	.870	.691	.005010	.873	.582	.100125	.875	.246	.040060	.875	.562	.050072
.866	.416	.005010	.868	.610	.090125	.870	.695	.005010	.873	.599	.075090	.875	.250	.005050	.875	.563	.005105
.866	.439	.005010	.868	.620	.005010	.870	.711	.025040	.873	.604	.025040	.875	.252	.010020	.875	.567	.005090
.866	.444	.005010	.868	.627	.080105	.870	.728	.005010	.873	.627	.030060	.875	.253	.050075	.875	.568	.020048
.866	.453	.030040	.868	.641	.040060	.870	.738	.005010	.873	.628	.105125	.875	.257	.070130	.875	.579	.050060
.866	.473	.005010	.868	.664	.060080	.870	.744	.005010	.873	.630	.005050	.875	.260	.030040	.875	.580	.015030
.866	.474	.005020	.868	.665	.010030	.870	.754	.005012	.873	.632	.005015	.875	.267	.090134	.875	.600	.090105
.866	.475	.010020	.868	.687	.005010	.870	.755	.042062	.873	.780	.025040	.875	.268	.005010	.875	.610	.025040
.866	.484	.070090 .100125	.868 .868	.689 .719	.005010 .070090	.870 .870	.761 810	.020030	.874 .874	.200	.042080 .040060	.875 .875	.281 .282	.005010	.875 .875	.611 621	.050070 .060080
.866	.496 .500	.010020	.868	.736	.010020	.871	.810 .211	.015025 .050070	.874	.203	.030050	.875	.307	.030050	.875	.621 .626	.050070
.866	.531	.025040	.868	.751	.010020	.871	.381	.030070	.874	.259	.005010	.875	.315	.100120	.875	.628	.005060
.866	.543	.030060	.868	.760	.025040	.871	.383	.060070	.874	.266	.025040	.875	.318	.090110	.875	.630	.050070
.866	.545	.020040	.869	.279	.105135	.871	.410	.030050	.874	.312	.005010	.875	.320	.010020	.875	.631	.015030
.866	.562	.015030	.869	.393	.020035	.871	.455	.005010	.874	.316	.005010	.875	.320	.070090	.875	.632	.100125
.866	.568	.040060	.869	.430	.125187	.871	.477	.060090	.874	.329	.060083	.875	.324	.030040	.875	.635	.005010
.866	.591	.030050	.869	.508	.050070	.871	.579	.010020	.874	.330	.025040	.875	.325	.050072	.875	.637	.010104
.866	.592	.005010	.869	.539	.010020	.871	.581	.070090	.874	.375	.060187	.875	.327	.090125	.875	.650	.100125
.866	.626	.040060	.869	.575	.005010	.871	.582	.005010	.874	.376	.020040	.875	.328	.005010	.875	.652	.031048
.866	.627	.025040	.869	.628	.020080	.871	.590	.005010	.874	.377	.015080	.875	.330	.080104	.875	.654	.075100
.866	.631	.010020	.869	.667	.020030	.871	.673	.010020	.874	.381	.005010	.875	.337	.050072	.875	.660	.062078
.866	.637	.015030	.870	.125	.005015	.871	.675	.015030	.874	.384	.008016	.875	.340	.005010	.875	.666 670	.040060
.866 .866	.638 .642	.060070 .005010	.870 .870	.170 184	.025040 .040062	.871 .871	.752 .757	.005010 .010020	.874 .874	.392 .398	.015030 .125156	.875 .875	.343 .345	.016025 .110130	.875 .875	.670 .674	.005010 .010020
.866	.643	.005010	.870	.184 .186	.040062	.871	.757 .771	.010020	.874 .874	.410	.080100	.875	.345	.042062	.875	.687	.050080
.866	.647	.015030	.870	.196	.005015	.872	.153	.040060	.874	.420	.005010	.875	.354	.005010	.875	.690	.075090
.866	.670	.005010	.870	.202	.005010	.872	.189	.005015	.874	.439	.105125	.875	.362	.012020	.875	.691	.040060
.866	.697	.015025	.870	.239	.005010	.872	.219	.060083	.874	.446	.105125	.875	.367	.005010	.875	.693	.030050
.866	.709	.040060	.870	.248	.040060	.872	.221	.080100	.874	.501	.105125	.875	.375	.100125	.875	.698	.005010
.866	.719	.015030	.870	.264	.100125	.872	.254	.010020	.874	.502	.105125	.875	.376	.005010	.875	.719	.005080
.866	.750	.015030	.870	.280	.120150	.872	.261	.005010	.874	.505	.050070	.875	.377	.010020	.875	.724	.010020
.866	.756	.005010	.870	.307	.010030	.872	.267	.030050	.874	.508	.040060	.875	.378	.020030	.875	.735	.050070
.866	.758	.010030	.870	.312	.013028	.872	.269	.032042	.874	.509	.010020	.875	.380	.105134	.875	.746	.010020
.866	.806	.005010	.870	.313	.015025	.872	.306	.020030	.874	.510	.075090	.875	.382	.015030	.875	.750	.030050
.866	.814	.005010	.870	.316	.012020	.872	.320	.042062	.874	.512	.060080	.875	.383	.150180	.875	.751	.005015

									140	100	LING CIT	AIIGI	_ 1 011	ANTOF	*****	SIZE	J LIGITED
O.D.	I.D.	Choose Any Thickness*															
.875	.754	.015030	.878	.219	.015040	.881	.201	.005010	.892	.073	.025036	.900	.455	.050070	.904	.629	.020100
.875	.755	.005020	.878	.229	.040060	.881	.203	.005010	.892	.273	.070105	.900	.489	.005010	.904	.640	.030040
.875	.756	.025040	.878	.264	.060083	.881	.257	.060080	.892	.390	.005010	.900	.500	.005105	.904	.649	.020035
.875	.760	.020040	.878	.282	.015030	.881	.548	.030050	.892	.514	.005010	.900	.503	.005020	.904	.690	.015030
.876	.067	.015030	.878	.285	.090120	.881	.661	.005010	.892	.612	.010025	.900	.504	.005008	.904	.750	.040060
.876	.093	.020040	.878	.376	.025040	.881	.681	.010015	.892	.632	.005010	.900	.510	.015030	.904	.805	.005040
.876	.102	.020040	.878	.387	.020062	.881	.732	.020030	.892	.653	.050070	.900	.562	.005015	.905	.127	.090110
.876	.127	.060080	.878	.402	.060075	.882	.300	.005010	.892	.726	.005010	.900	.563	.040060	.905	.196	.040060
.876	.130	.005010	.878	.406	.025040	.882	.323	.005010	.893	.621	.040075	.900	.564	.010100	.905	.201	.005010
.876	.164	.005010	.878	.437	.020040	.882	.325	.005010	.893	.701	.005010	.900	.570	.005070	.905	.238	.005010
.876 .876	.173 .282	.050070 .040187	.878 .878	.446 .473	.050075 .135156	.882 .882	.500 .518	.150180	.893 .894	.770 .195	.005010 .020040	.900 .900	.577 .578	.015025 .070090	.905 .905	.259 .330	.005010 .015030
.876	.284	.040167	.878	.478	.010020	.882	.522	.020040	.894	.251	.020040	.900	.590	.010040	.905	.344	.020030
.876	.287	.100125	.878	.501	.020040	.882	.540	.090110	.894	.501	.060080	.900	.592	.110130	.905	.392	.010040
.876	.288	.005010	.878	.516	.100125	.882	.642	.040060	.894	.624	.005010	.900	.595	.070090	.905	.396	.005010
.876	.317	.030050	.878	.518	.100125	.882	.664	.005010	.894	.762	.005010	.900	.610	.020040	.905	.398	.120135
.876	.320	.005010	.878	.523	.100125	.882	.788	.015030	.895	.375	.070090	.900	.625	.025040	.905	.403	.020040
.876	.328	.005187	.878	.531	.020040	.883	.315	.010020	.895	.390	.032062	.900	.626	.050070	.905	.414	.180190
.876	.340	.160190	.878	.562	.025040	.883	.500	.050075	.895	.462	.005010	.900	.628	.005010	.905	.451	.070090
.876	.343	.025040	.878	.570	.005012	.883	.509	.030050	.895	.574	.032042	.900	.629	.010020	.905	.460	.005010
.876	.350	.015025	.878	.585	.005010	.883	.560	.050070	.895	.631	.005010	.900	.630	.120135	.905	.473	.010030
.876 876	.377 .378	.005010 .090105	.878 878	.593	.025050 .020030	.883 .883	.622 777	.050075	.895 .895	.661 .708	.010020 .005010	.900 .900	.634 651	.040060	.905 .905	.475 .481	.105125 .040060
.876 .876	.378	.030105	.878 .878	.627 .628	.020030	.883	.777 .788	.010020 .005010	.895	.708	.050070	.900	.651 .654	.005010 .060070	.905	.493	.040060
.876	.461	.005010	.878	.632	.040060	.884	.411	.005010	.895	.795	.010020	.900	.661	.070090	.905	.513	.060080
.876	.471	.040062	.878	.648	.005010	.884	.510	.015030	.895	.801	.020030	.900	.670	.025048	.905	.520	.020040
.876	.500	.005010	.878	.660	.015030	.885	.150	.020040	.896	.215	.060080	.900	.690	.010050	.905	.531	.050060
.876	.503	.005010	.878	.689	.020040	.885	.212	.010020	.896	.340	.050070	.900	.711	.025040	.905	.558	.005010
.876	.506	.090120	.878	.742	.005010	.885	.325	.005010	.896	.772	.020042	.900	.725	.020040	.905	.564	.040060
.876	.514	.030050	.878	.826	.005010	.885	.396	.005010	.897	.292	.005010	.900	.730	.060080	.905	.585	.050075
.876	.515	.080104	.879	.125	.050060	.885	.443	.005008	.897	.407	.005010	.900	.755	.010020	.905	.634	.032060
.876	.516	.125156	.879	.172	.090120	.885	.456	.005020	.897	.408	.010020	.900	.800	.005010	.905	.637	.015030
.876 .876	.519 .520	.060083 .050070	.879 .879	.250 .327	.025040 .048062	.885 .885	.521 .565	.005010 .015032	.897 .897	.409 .704	.025080 .025040	.900 .900	.805 .810	.005010 .010020	.905 .905	.639 .643	.040060 .010020
.876	.522	.100125	.879	.376	.010020	.885	.626	.020040	.897	.748	.025040	.900	.825	.005010	.905	.657	.070080
.876	.533	.110130	.879	.399	.050070	.885	.695	.005010	.897	.810	.010020	.900	.830	.015025	.905	.667	.040060
.876	.551	.100120	.879	.431	.050070	.885	.705	.005010	.898	.250	.040060	.900	.840	.005010	.905	.672	.070090
.876	.563	.005010	.879	.515	.025040	.886	.118	.030050	.898	.318	.050075	.901	.202	.030050	.905	.673	.090125
.876	.565	.020040	.879	.516	.040060	.886	.291	.030050	.898	.343	.005010	.901	.256	.010016	.905	.674	.075100
.876	.591	.050070	.879	.593	.050070	.886	.443	.005040	.898	.453	.080100	.901	.292	.040060	.905	.677	.105125
.876	.600	.060075	.879	.635	.050075	.886	.531	.050070	.898	.510	.075104	.901	.361	.010020	.905	.682	.010020
.876	.616	.048062	.879	.636	.015030	.886	.548	.060080	.898	.665	.025040	.901	.506	.005020	.905	.709	.015030
.876 .876	.622 .625	.040060 .005010	.880 .880	.165 .170	.050075 .110130	.886 .887	.650 .265	.070090 .062090	.898 .898	.726 .748	.005010 .005010	.901 .901	.626 .694	.005020 .075093	.905 .905	.728 .785	.050070 .005010
.876	.626	.050075	.880	.192	.015030	.887	.325	.035050	.898	.812	.005010	.901	.710	.005020	.906	.316	.005010
.876	.632	.030050	.880	.219	.032050	.887	.572	.050070	.898	.829	.015030	.901	.715	.010020	.906	.317	.005020
.876	.633	.062080	.880	.260	.005187	.887	.714	.020040	.899	.121	.040060	.902	.316	.010030	.906	.325	.005010
.876	.672	.090105	.880	.265	.005010	.887	.755	.005010	.899	.197	.030050	.902	.318	.005010	.906	.332	.090110
.876	.675	.030040	.880	.302	.005015	.887	.795	.005010	.899	.444	.010020	.902	.329	.005010	.906	.394	.010020
.876	.681	.060080	.880	.324	.050070	.888	.382	.075090	.899	.479	.020040	.902	.377	.005010	.906	.395	.090100
.876	.692	.020030	.880	.333	.042060	.888	.530	.005010	.899	.535	.005010	.902	.504	.006012	.906	.396	.010020
.876	.694	.020040	.880	.340	.160190	.888	.535	.015030	.899	.562	.025040	.902	.505	.005020	.906	.405	.010020
.876 .876	.702 .714	.010020 .030050	.880 .880	.357 .375	.005010 .060080	.888 .888	.622 .656	.005010 .005010	.899 .899	.563 .568	.005010 .070090	.902 .902	.535 .564	.005010 .005010	.906 .906	.470 .474	.060080 .005010
.876	.714	.030030	.880	.376	.060060	.888.	.760	.010010	.899	.789	.030040	.902	.642	.005010	.906	.512	.005010
.876	.750	.030040	.880	.380	.005080	.889	.392	.080100	.899	.791	.010020	.902	.658	.005010	.906	.512	.010020
.876	.751	.015030	.880	.381	.005015	.889	.395	.105120	.899	.810	.020030	.902	.679	.030050	.906	.565	.080100
.877	.128	.060080	.880	.386	.070090	.889	.557	.005010	.899	.814	.005010	.902	.790	.030050	.906	.585	.020040
.877	.170	.035060	.880	.406	.005010	.889	.569	.005010	.899	.841	.010020	.902	.792	.005010	.906	.592	.025040
.877	.173	.100125	.880	.407	.080105	.889	.758	.025040	.900	.063	.010020	.903	.252	.080100	.906	.603	.010020
.877	.250	.030050	.880	.426	.005015	.889	.786	.005010	.900	.079	.030050	.903	.258	.060080	.906	.609	.005010
.877	.254	.100125	.880	.430	.005010	.890	.192	.050072	.900	.100	.015030	.903	.315	.030048	.906	.638	.093125
.877	.281	.010015	.880	.455	.005012 .060080	.890	.273	.070105	.900	.154	.005010	.903	.330	.015030	.906	.657	.025035
.877 .877	.313 .329	.025040 .020030	.880 .880	.475 .485	.060080	.890 .890	.385 .405	.090105 .100125	.900 .900	.217 .252	.025040 .005010	.903 .903	.401 .416	.005010 .100125	.906 .906	.669 .728	.015030 .030050
.877	.377	.012020	.880	.495	.005010	.890	.438	.030040	.900	.252	.040060	.903	.500	.025036	.906	.730	.030050
.877	.389	.134187	.880	.505	.015025	.890	.504	.015030	.900	.321	.005010	.903	.531	.160180	.906	.750	.010020
.877	.407	.170190	.880	.518	.040060	.890	.530	.010030	.900	.376	.005030	.903	.664	.025040	.906	.759	.010020
.877	.442	.070080	.880	.523	.005010	.890	.537	.105125	.900	.377	.005010	.903	.710	.010020	.906	.769	.010020
.877	.494	.072083	.880	.530	.030040	.890	.547	.110130	.900	.378	.015040	.903	.735	.005015	.907	.200	.060080
.877	.498	.050075	.880	.541	.025035	.890	.580	.005008	.900	.379	.005078	.903	.760	.015030	.907	.228	.040060
.877	.507	.060080	.880	.557	.005010	.890	.582	.005010	.900	.380	.010020	.903	.766	.040060	.907	.293	.070090
.877	.593	.080100	.880	.604	.005010	.890	.587	.005010	.900	.383	.090110	.903	.771	.005050	.907	.330	.050060
.877	.643	.025042	.880	.621	.020060	.890	.667	.005010	.900	.390	.030060	.903	.781	.040050	.907	.380	.125135
.877 .877	.693 .694	.030050 .070090	.880	.626 .659	.062078	.890	.711	.025040	.900	.400	.005010	.903 .904	.807	.010020	.907 .907	.411	.025040
.877 .877	.694 .755	.070090	.880	.659 .681	.070080	.890 .891	.785 .582	.030050	.900	.406 .437	.135156 .005010	.904	.262	.040060	.907	.469 .514	.005010
.877	.836	.005010	.880	.688	.030050	.891	.632	.005010	.900	.440	.005010	.904	.319	.005020	.907	.603	.070090
.878	.125	.020040	.880	.690	.060070	.891	.669	.010020	.900	.442	.005010	.904	.329	.005010	.907	.624	.020035
.878	.187	.020040	.880	.711	.025040	.891	.711	.005015	.900	.453	.030040	.904	.486	.025042	.907	.645	.020040

								BUKER	2 ME	IAL	WASHER	O AI IL	I LA	AILD I	OIVIDE	LDL	BURKED
O.D.	I.D.	Choose Any Thickness*															
		From To			From To			From To	-		From To			From To			From To
.907	.669	.060080	.915	.623	.030060	.921	.680	.025040	.929	.470	.072105	.935	.481	.030050	.937	.578	.080104
.907	.672 .682	.042060 .030050	.915 .915	.628 .744	.080095	.921 .921	.682 .788	.030050 .020040	.929 .929	.570 .575	.005010	.935 .935	.489 .501	.090120	.937 .937	.580 .594	.030050 .050060
.907 .907	.728	.005015	.915	.775	.005010 .005010	.921	.790	.020040	.929	.600	.005010 .050075	.935	.523	.080104	.937	.623	.020040
.907	.740	.010050	.916	.150	.020032	.922	.316	.105125	.929	.689	.005104	.935	.535	.090105	.937	.624	.020040
.907	.757	.010020	.916	.317	.100120	.922	.450	.080100	.929	.697	.012020	.935	.565	.012020	.937	.625	.005010
.908	.332	.135156	.916	.507	.020040	.922	.608	.050075	.930	.088	.015030	.935	.569	.030050	.937	.629	.030050
.908	.342	.050075	.916	.532	.040060	.922	.630	.010020	.930	.098	.020040	.935	.570	.030060	.937	.637	.025042
.908	.379	.025040	.916	.540	.020040	.922	.640	.030050	.930	.199	.005083	.935	.581	.100125	.937	.640	.032060
.908	.502	.030050	.916	.570	.050090	.922	.670	.010020	.930	.270	.005010	.935	.624	.100125	.937	.650	.005010
.908	.555	.080105	.916	.571	.090110	.922	.687	.020030	.930	.286	.070090	.935	.681	.030050	.937	.656	.032060
.908	.564	.015030	.916	.734	.020040	.922	.755	.020040	.930	.301	.015030	.935	.682	.005010	.937	.672	.005010
.908	.616	.020032	.916	.735	.020040	.922	.758	.050070	.930	.377	.005020	.935	.683	.030060	.937	.675	.060075
.908	.688	.010025	.916	.795	.010020	.923	.265	.090105	.930	.381	.040125	.935	.685	.072120	.937	.687	.100125
.908	.705	.030048	.916	.804	.016032	.923	.397	.015025	.930	.420	.040060	.935	.687	.020040	.937	.693	.015020
.908	.751	.060080	.916	.834	.005010	.923 .923	.502	.015030	.930	.440	.020040	.935	.715	.016032	.937 .937	.703	.010020
.908 .908	.753 .764	.005010	.917 .917	.501 .506	.050090 .010020	.923	.506 .661	.050070 .005010	.930 .930	.475 .501	.040060 .025062	.935 .935	.719 .720	.010030 .050070	.937	.724 .737	.050070 .020030
.908	.765	.020030	.917	.531	.062078	.923	.668	.030050	.930	.520	.020040	.935	.724	.010030	.937	.754	.048072
.909	.250	.030040	.917	.579	.050060	.923	.678	.020030	.930	.609	.042072	.935	.733	.025040	.937	.772	.060080
.909	.342	.050075	.917	.596	.005015	.923	.754	.020040	.930	.630	.010025	.935	.735	.005010	.937	.785	.005015
.909	.364	.005010	.917	.623	.040060	.923	.755	.015050	.930	.635	.080104	.935	.783	.005010	.937	.793	.025040
.909	.379	.005010	.918	.257	.070090	.923	.796	.030050	.930	.645	.005010	.935	.794	.060075	.937	.802	.015040
.909	.634	.010020	.918	.497	.010020	.923	.820	.005010	.930	.673	.010020	.935	.796	.020040	.937	.813	.005010
.909	.676	.007015	.918	.508	.030050	.924	.201	.100125	.930	.679	.005010	.935	.807	.040060	.937	.875	.025035
.909	.749	.040060	.918	.596	.005010	.924	.253	.005010	.930	.700	.005010	.935	.839	.020030	.938	.140	.048062
.909	.796	.005010	.918	.614	.005010	.924	.382	.030040	.930	.701	.015030	.935	.860	.015030	.938	.144	.105135
.910	.250	.080104	.918	.762	.025035	.924	.538	.010015	.930	.710	.005010	.935	.871	.005010	.938	.150	.050072
.910	.330	.030040	.919	.257	.070090	.924	.727	.040060	.930	.750	.025040	.936	.266	.060080	.938	.199	.048062
.910	.381	.050070	.919	.366	.005010	.924	.746	.020040	.930	.760	.005030	.936	.310	.050080	.938	.200	.030060
.910	.400	.015030	.919	.396	.005010	.925	.091	.005010	.930	.812	.010020	.936	.313	.020035	.938	.201	.100120
.910	.417	.010020	.919	.493	.100125	.925	.158	.100125	.931	.454	.020030	.936	.343	.105125	.938	.217	.050072
.910	.425	.005010	.919	.565	.005020	.925	.289	.100120	.931	.478	.020030	.936	.375	.040050	.938	.246	.048062
.910	.440	.005010	.919	.671	.005010	.925	.314	.010015	.931	.598	.035060	.936	.390	.060090	.938	.266	.042060
.910	.468	.075090	.919	.697	.010020	.925	.322	.070090	.931	.600	.010020	.936	.406	.050070	.938	.318	.048062
.910	.490	.130156	.919	.765	.005010	.925	.346	.015025	.931	.632	.105125	.936	.480	.010030	.938 .938	.322	.035060
.910 .910	.500 .515	.025040	.919 .920	.812 .048	.020030 .005010	.925 .925	.397 .438	.048072 .015050	.931 .931	.660 .691	.020030 .040060	.936 .936	.481 .502	.005060	.938	.328 .343	.104134
.910	.540	.060080	.920	.090	.040060	.925	.445	.060083	.931	.729	.050070	.936	.517	.090110	.938	.376	.048062
.910	.560	.110130	.920	.157	.005010	.925	.450	.025040	.931	.762	.020030	.936	.537	.005010	.938	.379	.005010
.910	.590	.005010	.920	.163	.032060	.925	.474	.050070	.931	.811	.040060	.936	.552	.005010	.938	.383	.105125
.910	.638	.010020	.920	.200	.005010	.925	.516	.025040	.932	.243	.050070	.936	.627	.040060	.938	.388	.090105
.910	.650	.005015	.920	.230	.025040	.925	.526	.015030	.932	.330	.025040	.936	.641	.100125	.938	.439	.042062
.910	.667	.030050	.920	.253	.005075	.925	.575	.070090	.932	.335	.050070	.936	.645	.105135	.938	.444	.040062
.910	.703	.030040	.920	.265	.040060	.925	.576	.050075	.932	.465	.090110	.936	.650	.050070	.938	.458	.005010
.910	.750	.010020	.920	.269	.135187	.925	.577	.050075	.932	.469	.040062	.936	.660	.005008	.938	.505	.030050
.910	.811	.020040	.920	.316	.080100	.925	.611	.010020	.932	.563	.005012	.936	.687	.052084	.938	.507	.005010
.910	.820	.005010	.920	.318	.005010	.925	.661	.025040	.932	.676	.015030	.936	.718	.020040	.938	.521	.005010
.911	.256	.080100	.920	.378	.005010	.925	.672	.040060	.932	.749	.050070	.937	.080	.020035	.938	.532	.105125
.911	.416	.062090	.920	.456	.010030	.925	.690	.010020	.932	.775	.005010	.937	.092	.050070	.938	.550	.005010
.911	.471	.030050	.920	.470	.105125	.925	.719	.005010	.932	.869	.005020	.937	.110	.050070	.938	.562	.030050
.911	.564	.030050	.920	.499	.050070	.925	.725	.010020	.932	.870	.010020	.937	.174	.062080	.938	.563	.015030
.911	.568	.005010	.920	.504	.005010	.925	.756	.010020	.933	.197	.010020	.937	.257	.032048	.938	.570	.070090
.911	.615	.005010	.920	.505	.090110	.925	.800	.012025	.933	.415	.010020	.937	.275	.030050	.938	.595	.005010
.911	.710	.030048	.920	.525	.005010	.925	.817	.010020	.933	.508	.032060	.937	.292	.025040	.938	.596	.005010
.911 .911	.780 .815	.005010 .005010	.920 .920	.550 .564	.005010 .015030	.925 .926	.834 .162	.020030 .050070	.933 .933	.624 .688	.025040 .005010	.937 .937	.315 .319	.080100 .025040	.938 .938	.636 .637	.030050 .080104
.912	.176	.005010	.920	.584	.015030	.926	.399	.080070	.933	.726	.005010	.937	.324	.030060	.938	.690	.040060
.912	.549	.070105	.920	.590	.005010	.926	.438	.045060	.933	.775	.010020	.937	.330	.156187	.938	.721	.020040
.912	.563	.010020	.920	.608	.005010	.926	.670	.010020	.933	.836	.005010	.937	.341	.050075	.938	.730	.070090
.912	.596	.005010	.920	.618	.005010	.926	.689	.015030	.934	.094	.005010	.937	.350	.020030	.938	.752	.015090
.912	.636	.060070	.920	.628	.030050	.926	.724	.015030	.934	.190	.010020	.937	.375	.010020	.938	.760	.005010
.912	.656	.105120	.920	.629	.010020	.927	.171	.100125	.934	.414	.025040	.937	.381	.025040	.938	.761	.015030
.912	.683	.015030	.920	.630	.015060	.927	.264	.005010	.934	.508	.020040	.937	.390	.005010	.938	.766	.020030
.912	.805	.005010	.920	.687	.020040	.927	.397	.005010	.934	.513	.005010	.937	.399	.156187	.938	.770	.030050
.913	.493	.015030	.920	.690	.090105	.927	.476	.090110	.934	.563	.048078	.937	.410	.015030	.938	.784	.015030
.913	.507	.020030	.920	.705	.005010	.927	.512	.008016	.934	.743	.020040	.937	.431	.050075	.938	.831	.005010
.913	.510	.020040	.920	.720	.040060	.927	.627	.005010	.934	.753	.005010	.937	.437	.156187	.939	.040	.010020
.913	.665	.080100	.920	.778	.030050	.927	.647	.042060	.934	.754	.005020	.937	.440	.020040	.939	.126	.020030
.913	.847	.005010	.920	.819	.020030	.927	.654	.020040	.934	.757	.030050	.937	.444	.005008	.939	.189	.105135
.914	.521	.005010	.920	.853	.010020	.927	.689	.010020	.934	.770	.040060	.937	.460	.025040	.939	.195	.105125
.914	.596	.025040	.921	.314	.078090	.927	.691	.020040	.934	.797	.005010	.937	.480	.015030	.939	.218	.100125
.914	.650	.015030	.921	.402	.005010	.927	.819	.005010	.935	.152	.040060	.937	.487	.005010	.939	.376	.105125
.915	.350	.040060	.921	.445	.005010	.928	.084	.050062	.935	.216	.080090	.937	.500	.015030	.939	.442	.005030
.915	.446	.015025	.921	.490	.025040	.928	.087	.050060	.935	.273	.010020	.937	.510	.020110	.939	.457	.008016
.915	.448	.005010	.921	.508	.010020	.928	.153	.060080	.935	.310	.050083	.937	.515	.030050	.939	.496	.005010
.915	.509	.050070	.921	.531	.025040	.928	.383	.005015	.935	.318	.005010	.937	.517	.105125	.939	.560	.080104
.915	.510	.005010	.921	.587	.020040	.928	.552	.080100	.935	.321	.005010	.937	.518	.005010	.939	.563	.005010
.915	.512	.020040	.921	.630 .641	.010020	.928	.678	.005010	.935	.439	.020050	.937	.520	.020125	.939	.610	.040060
.915	.616	.015030	.921	.041	.010020	.929	.260	.020040	.935	.455	.100125	.937	.570	.005010	.939	.628	.015030

O.D. .939 .939 .939 .939	I.D. .630 .633	Choose Any Thickness* From To .020040	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any	O.D.	I D	Choose Any
.939 .939 .939									O.D.	1.D.	Thickness*	O.D.	1.0.	Thickness*	O.D.	I.D.	Thickness*
.939 .939 .939			.942	.504	.030050	.945	.673	.015030	.950	.512	.100125	.960	.650	.032050	.969	.656	.060080
.939 .939		.015030	.942	.504	.090120	.945	.686	.060105	.950	.531	.060080	.960	.705	.030060	.969	.661	.060080
.939	.640	.015025	.942	.515	.015035	.945	.708	.060080	.950	.567	.030050	.960	.728	.040060	.969	.750	.005010
.939	.656	.030040	.942	.530	.005010	.945	.710	.030050	.950	.640	.030125	.960	.740	.090105	.969	.770	.010048
	.660	.050070	.942	.628	.060080	.945	.714	.060080	.950	.645	.090105	.960	.750	.030060	.969	.792	.025048
.939	.678	.040060	.942	.693	.005010	.945	.719	.070090	.950	.680	.110130	.960	.751	.050075	.969	.802	.015030
.939	.700	.005010	.942	.724	.100125	.945	.737	.005010	.950	.696	.030040	.960	.758	.005010	.970	.092	.025048
.939	.739	.050070	.942	.744	.005010	.945	.831	.015030	.950	.747	.005010	.960	.774	.005010	.970	.230	.005010
.939	.783	.040060	.942	.794	.005010	.945	.845	.005015	.950	.760	.030050	.960	.783	.020030	.970	.262	.100125
.939	.799	.030050	.942	.798	.020030	.946	.354	.005010	.950	.775	.020035	.960 .961	.820	.005010	.970	.345	.020040
.939 .940	.869 .186	.015025 .031048	.943	.406 .418	.005010 .120140	.946	.386 .398	.010020	.950 .950	.807 .815	.010020 .005010	.961	.438 .500	.050070 .040050	.970 .970	.380 .418	.070080
.940	.194	.010020	.943	.426	.020040	.946	.473	.005010	.951	.104	.005010	.961	.621	.005010	.970	.440	.005010
.940	.231	.005010	.943	.442	.010030	.946	.506	.050070	.951	.156	.015030	.961	.676	.020030	.970	.515	.080100
.940	.253	.007015	.943	.473	.075090	.946	.513	.105125	.951	.285	.010020	.961	.730	.005010	.970	.550	.010020
.940	.315	.010075	.943	.475	.005010	.946	.602	.025042	.951	.376	.010020	.961	.820	.010020	.970	.631	.156187
.940	.400	.160190	.943	.517	.005010	.946	.678	.005010	.951	.377	.020030	.961	.844	.010020	.970	.670	.005010
.940	.407	.090120	.943	.547	.030050	.946	.686	.062070	.951	.380	.040060	.961	.878	.005010	.970	.679	.010020
.940	.437	.005010	.943	.568	.080100	.946	.717	.060080	.951	.388	.010020	.962	.045	.015025	.970	.723	.005010
.940	.440	.110130	.943	.596 .597	.030050	.946	.755 .786	.040060	.951 .951	.500 .586	.010020	.962 .962	.055 .766	.005010	.970 .970	.754 .769	.040060
.940	.481	.050075	.943	.736	.005012	.947	.128	.005010	.951	.661	.015025	.962	.769	.005010	.970	.802	.030048
.940	.490	.075105	.944	.150	.040060	.947	.397	.010020	.951	.741	.020030	.962	.789	.020030	.970	.882	.010020
.940	.502	.015030	.944	.238	.005010	.947	.463	.060070	.952	.125	.025040	.963	.271	.005010	.971	.345	.105135
.940	.508	.100125	.944	.256	.005010	.947	.482	.005010	.952	.166	.060080	.963	.283	.030050	.971	.376	.060080
.940	.509	.050070	.944	.266	.005010	.947	.484	.070090	.952	.198	.048070	.963	.324	.005010	.971	.408	.050075
.940	.518	.050070	.944	.281	.025036	.947	.566	.030048	.952	.213	.048070	.963	.400	.020040	.971	.439	.020040
.940	.520	.090105	.944	.314	.080100	.947	.599	.042060	.952	.376	.005010	.963	.451	.030050	.971	.444	.020030
.940 .940	.525 .535	.040060 .030040	.944 .944	.317 .319	.005020 .008012	.947 .947	.730 .757	.030050 .010025	.952 .952	.470 .502	.005010 .050070	.963 .963	.500 .504	.010020 .005010	.971 .971	.515 .550	.015030
.940	.553	.100125	.944	.394	.005010	.947	.780	.020040	.952	.555	.060070	.963	.659	.080100	.971	.605	.005010
.940	.590	.015030	.944	.423	.156187	.947	.783	.048062	.952	.570	.080100	.963	.758	.020030	.971	.631	.080104
.940	.591	.060070	.944	.432	.105125	.947	.799	.010020	.952	.627	.005010	.963	.800	.030050	.971	.720	.104125
.940	.607	.030060	.944	.442	.005020	.947	.821	.005010	.952	.685	.060070	.963	.885	.010020	.971	.761	.005020
.940	.610	.030060	.944	.473	.005010	.948	.059	.005010	.952	.687	.005010	.964	.376	.030050	.971	.837	.040060
.940	.633	.005010	.944	.475	.005010	.948	.245	.005072	.953	.693	.105125	.964	.500	.015030	.971	.865	.030050
.940	.640	.005105	.944	.479	.020030	.948	.262	.060080	.953	.710	.105135	.964	.652	.090120	.972	.335	.040060
.940 .940	.641 .646	.025040 .060080	.944 .944	.502 .595	.010020 .020040	.948 .948	.390 .398	.005010 .005010	.953 .954	.742 .322	.090105 .005010	.965 .965	.264 .423	.020040 .030040	.972 .972	.365 .570	.010020 .100130
.940	.656	.040060	.944	.633	.005010	.948	.413	.005010	.954	.630	.105125	.965	.506	.060075	.972	.657	.015105
.940	.673	.005030	.944	.673	.015025	.948	.439	.010020	.954	.670	.060070	.965	.514	.090120	.972	.746	.050070
.940	.674	.005010	.944	.694	.040060	.948	.448	.060070	.954	.753	.040060	.965	.580	.032060	.972	.764	.050075
.940	.686	.010020	.944	.766	.020040	.948	.485	.090110	.954	.826	.005010	.965	.610	.020035	.973	.110	.050072
.940	.700	.015025	.944	.795	.015030	.948	.493	.062080	.955	.510	.025040	.965	.620	.025040	.973	.567	.005010
.940	.701	.015030	.945	.221	.050075	.948	.502	.006015	.955	.733	.020040	.965	.644	.005010	.973	.595	.005075
.940 .940	.704 .710	.083105 .030050	.945 .945	.237 .240	.005010 .005010	.948 .948	.503 .506	.005010 .005010	.955 .955	.825 .848	.010020 .005010	.965 .965	.669 .709	.080105	.974 .974	.226 .260	.050075 .050070
.940	.710	.040060	.945	.240	.060125	.948	.514	.050075	.956	.439	.060125	.965	.754	.020040	.974	.502	.005010
.940	.730	.015030	.945	.282	.040060	.948	.514	.030060	.956	.635	.005050	.965	.783	.020040	.974	.669	.015025
.940	.752	.005010	.945	.314	.005010	.948	.576	.005010	.956	.781	.005010	.966	.391	.040060	.974	.699	.025040
.940	.766	.050075	.945	.315	.010020	.948	.666	.035050	.956	.820	.005010	.966	.542	.020032	.974	.716	.120135
.940	.776	.005010	.945	.317	.005070	.948	.763	.005010	.957	.295	.030050	.966	.643	.080105	.974	.755	.050070
.940	.788	.020030	.945	.318	.010020	.948	.780	.020040	.957	.626	.040060	.966	.703	.060075	.974	.768	.030050
.940	.796	.005010	.945	.322	.010020	.948	.864	.025040	.957	.734	.015030	.967	.265	.005030	.975	.440	.005010
.940 .941	.830 .119	.005012	.945 .945	.331	.070090 .020040	.949	.189 .380	.005010	.957 .957	.812	.005010	.967 .967	.347	.090110	.975 .975	.495 .503	.005010
.941	.150	.060070	.945 .945	.345	.020040	.949	.503	.040060	.957	.841 .442	.015020	.967	.542	.090125	.975	.531	.010020
.941	.256	.130150	.945	.389	.050075	.949	.505	.050070	.958	.606	.050072	.967	.567	.070090	.975	.532	.025040
.941	.257	.010020	.945	.393	.030050	.949	.507	.005020	.958	.639	.020030	.967	.593	.050075	.975	.550	.050060
.941	.260	.050070	.945	.394	.010020	.949	.511	.010020	.958	.779	.070080	.967	.719	.060080	.975	.571	.050110
.941	.459	.020030	.945	.411	.005010	.949	.592	.072090	.959	.300	.015025	.967	.761	.050075	.975	.596	.030040
.941	.484	.005010	.945	.434	.020040	.950	.102	.005030	.959	.328	.030050	.968	.517	.050075	.975	.630	.010020
.941	.500	.040060	.945	.434	.156187	.950	.125	.005010	.959	.420	.030050	.968	.625	.050070	.975	.640	.005020
.941	.532	.030050	.945	.453 454	.156187	.950	.131	.062080	.959	.641	.090120	.968	.634	.005015	.975	.687 697	.090100
.941	.555 .566	.005012 .020040	.945 .945	.454 .472	.156187	.950 .950	.186 .189	.020035	.959 .960	.729 .125	.020040	.968 .968	.636 .655	.030050 .025045	.975 .975	.697 .699	.062075 .005010
.941	.632	.030060	.945	.474	.010020	.950	.198	.047070	.960	.133	.010025	.968	.675	.015030	.975	.765	.040050
.941	.675	.005010	.945	.477	.005010	.950	.204	.020035	.960	.155	.050072	.968	.687	.020040	.975	.795	.005012
.941	.717	.050070	.945	.484	.050075	.950	.219	.015030	.960	.259	.005010	.968	.718	.050075	.975	.804	.030060
.941	.744	.006012	.945	.502	.005010	.950	.234	.015030	.960	.315	.020032	.968	.729	.015030	.975	.825	.005010
.941	.816	.028040	.945	.511	.080100	.950	.250	.015030	.960	.350	.032050	.968	.741	.005010	.975	.885	.010020
.941	.821	.010020	.945	.512	.005010	.950	.328	.105125	.960	.398	.090105	.968	.869	.025040	.976	.394	.035050
.941	.880	.020030	.945	.514 510	.180190	.950	.387	.005010	.960	.450	.032050	.969	.250	.050070	.976	.503	.030050
.942 .942	.171 .256	.025040 .005010	.945 .945	.519 .554	.040110 .010020	.950 .950	.395 .440	.005070 .090105	.960 .960	.500 .507	.030060 .080104	.969 .969	.391 .436	.030050 .050075	.976 .976	.525 .527	.010020 .015030
.942	.366	.005010	.945	.607	.005010	.950	.454	.050070	.960	.537	.005010	.969	.559	.020040	.976	.565	.005010
.942	.407	.005010	.945	.610	.060080	.950	.500	.005030	.960	.550	.032050	.969	.565	.020030	.976	.640	.005020
.942	.455	.030120	.945	.627	.032042	.950	.502	.005020	.960	.572	.005010	.969	.582	.005010	.976	.661	.005010
.942	.475	.030050	.945	.669	.050125	.950	.503	.010040	.960	.575	.005010	.969	.638	.025042	.976	.717	.005010
.942	.484	.010020	.945	.671	.005010	.950	.505	.010020	.960	.640	.005010	.969	.641	.060080	.976	.872	.010020

Dec									BUKER	2 ME	IAL	WASHER	O AI IL	I LA	AND I	DIVIDE	LUL	BURKED
177 278 0.15 2.05 2.	O.D.	I.D.	Thickness*	O.D.	I.D.		O.D.	I.D.	Thickness*									
147 148 15 15 15 15 15 15 15 1	077	276		082	704		025	506		000	505		004	605		007	227	
1977 565																		
177 760																		
1477 1478 1570	.977	.560	.020040	.983	.090	.010025	.985	.556	.040060	.990	.631	.005010	.994	.900	.005010	.997	.508	.050070
177 178 179	.977	.626	.070090	.983	.242	.040060	.985	.565	.062105		.635	.060080	.995	.083	.005010		.533	.005010
1.77 1.77																		
1978 500																		
1787 515 503 025 - 040 983 381 015 - 039 985 721 016 - 045 985 722 016 985 723 016 985 723 016 985 725 016 985																		
1876 1876																		
171																		
\$79 \$36 \$015 \$208 \$085 \$471 \$006 \$016 \$085 \$086 \$0	.978	.690	.010020	.983	.416	.005010	.985	.760	.042062	.990	.770	.020030	.995	.378	.005030	.997	.748	.030050
279 340	.979	.171		.983	.434	.005010	.985	.789	.005025	.990	.780	.005010	.995	.392	.050070	.997	.756	.016025
379 383 0.05 - 010 883 .699 101 - 020 686 .225 010 - 020 .998 .413 0.05 - 010 .998 .423 0.05 - 010 .998 .423 0.03 - 0.00 .999 .423 .010 - 020 .998 .421 .00 - 0.00 .999 .423 .010 - 020 .998 .500 .070 - 000 .998 .111 .010 - 020 .099 .824 .010 - 020 .998 .610 .020 - 020 .000																		
279 275																		
979 547 1728 - 1438 683 678 686 - 380 886 - 380 886 - 380 886 - 380 990 842 010 - 200 995 515 070 - 200 988 111 010 - 200 997 970 905 170 905 997 907 907 907 907 907 907 907 907 907																		
979 638 070 080 983 779 000 984 778 000 096 886 000 0770 989 170 010 020 985 515 070 000 988 131 015 000 078 9879 678 078 000 000 1984 183 005 075 986 885 000 0770 981 071 010 020 985 522 000 0 010 988 131 015 030 078 9879 678 078 078 078 078 078 078 078 078 078 0																		
979 680 005 - 010 984 183 050 - 075 986 585 050 - 070 991 207 015 - 025 995 534 082 - 108 988 131 015 - 025 987 770 080 - 085 988 989 980																		
979 674 005 - 010 994 183 005 - 070 996 835 005 - 070 991 071 010 - 020 995 522 005 - 010 998 138 005 - 030 970 770 770 005 - 030 - 034 239 005 - 030 996 835 000 - 030 995 330 005 - 030 996 837 005 - 030 996 83																		
979 - 776																		
171																		
1979 8487 0.15																		
1840 0.05 - 0.00																		
980 198 005 - 010 984 320 010 - 020 986 859 030 - 050 991 406 090 - 125 995 566 030 - 000 998 270 005 - 006 083 380 302 015 - 030 984 395 005 - 101 887 397 005 - 010 991 121 005 - 010 995 637 050 - 070 998 270 005 - 010 980 347 035 015 - 025 984 395 100 - 125 397 505 505 005 - 010 995 637 050 - 070 998 270 005 - 010 980 347 005 - 010 986 348 035 015 - 025 984 395 010 - 100 388 385 015 - 025 036 030 036																		
980 347 005 016 030 984 355 080 010 387 348 005 010 991 517 005 010 095 573 080 030 050 070 098 339 005 010 091 515 080 030 050 070 098 339 005 010 091 515 080 030 050 070 098 339 005 010 091 051																		
980 347 005 016 030 984 394 005 010 287 397 005 010 091 605 005 010 098 637 025 048 989 347 100 125 125 125 135																		
980 347 005 - 010 984 345 005 - 010 987 748 025 - 040 991 605 005 - 010 995 667 025 - 048 998 347 100 - 125 980 448 005 - 010 988 255 025 - 040 991 678 030 - 050 995 666 005 - 030 998 378 080 - 105 998 348 075 - 030 998 070																		
980 395 015 - 025 984 435 005 - 010 987 748 025 - 042 991 627 105 - 135 995 666 005 - 012 998 348 075 - 080 998																		
980 445 005 - 010 984 473 005 - 010 988 349 040 - 060 991 770 015 - 030 040 995 700 020 - 040 998 345 020 - 030 0398 480 040 - 060 991 770 015 - 030 040 060 995 770 030 - 040 998 530 303 - 030 030																		
980 488 020 030 984 487 005 010 988 498 040 080 991 770 015 030 995 770 020 040 998 435 020 030 030 980 481 005 010 984 481 040 040 080 988 505 080 120 991 779 040 060 998 777 020 030 080 998 501 040 030 030 125 030 080 030 010 020 030 080 030 010 020 030 080 030 010 020 030 080 030 030 015 030	.980	.407	.100125	.984	.469	.080100	.988	.255	.025040	.991	.678	.030050	.995	.666	.015030	.998	.378	.080105
980 480 060 0.000 984 481 0.40 0.600 988 5.06 0.25 0.40 991 779 0.40 0.600 995 7.71 0.005 0.010 0.98 5.03 0.30 0.10 0.98 5.03 0.30 0.10 0.98 5.05 0.25 0.40 991 796 0.20 0.05 0.10 995 7.70 0.00 0.60 998 5.03 0.30 0.05 0.99 0.50 0.05 0.10 998 5.04 0.30 0.60 0.98 5.05 0.05 0.10 998 5.05 0.0	.980	.445	.005010	.984	.473		.988	.354	.020040	.991	.751	.030040		.694	.020062		.395	.010030
980 500 010 202 984 513 105 125 986 597 404 506 015 125 986 597 404 506 015 125 986 597 404 506 015 125 986 597 404 506 015 125 986 597 404 506 985 506 005 506 015 985 506 005 506 015 985 506 005 506 015 985 506 005 506 015 985 506 005 506 015 985 506 005 506 015 985 506 005 506 015																		
980 500 010 020 984 513 105 125 988 597 040 060 991 877 005 010 995 740 025 040 998 504 030 0.060 990 505 050 050 105 990 505 050 050 105 990 505 050 050 105 990 505 050 050 105 990 505 050 050 105 990 505 050 050 105 990 505 050 050 105 990 505 050 050 105 990 505 050 05																		
980 501 0.05 0.01 984 530 0.042 0.62 988 773 0.05 0.01 991 880 0.05 0.01 995 750 0.05 0.01 998 5.06 0.05 0.01 990 5.25 0.25 0.25 0.05 0.01 984 5.36 0.05 0.01 988 758 0.05 0.015 592 2.60 0.05 0.01 995 768 0.05 0.01 0.98 5.06 0.05 0.01 0.98 5.06 0.05 0.01 0.98 5.06 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.98 0.05 0.01 0.05 0.																		
980 5.514 0.05 - 0.10 9.94 5.531 0.05 - 0.10 9.98 7.76 0.05 - 0.10 9.95 7.68 0.05 - 0.10 9.98 5.08 0.90 - 0.110 9.90 5.25 0.05 - 0.10 9.98 5.08 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.98 5.08 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 5.25 0.05 - 0.10 9.90 0.05 - 0.10																		
980 521 025 - 040 984 556 005 - 010 988 758 005 - 015 992 280 0.05 - 010 995 766 0.05 - 010 998 5.09 0.05 - 010 980 531 010 - 020 984 525 040 - 060 988 750 0.05 - 010 992 227 0.05 - 015 995 938 010 - 020 998 515 080 - 100 980 680 0.05 - 010 984 625 0.40 - 060 988 760 0.05 - 010 992 270 0.05 - 015 0.95 938 010 - 0.20 998 515 0.05 - 010 980 680 0.07 - 015 984 628 0.35 - 060 988 776 0.05 - 010 992 230 0.110 130 996 170 0.02 - 010 998 534 0.03 - 0.05 0.05																		
980 531 010 020 984 625 040 060 988 760 005 010 992 236 010 130 995 938 010 020 988 516 005 010 090 080 647 005 010 094 236 035 060 098 877 015 030 099 236 010 130 996 170 005 010 098 534 030																		
980 600 030 105 984 628 033 065 025 989 176 005 010 992 336 110 130 996 170 005 010 998 562 015 025 025 036 036 025 036 036 025 036	.980	.522	.005010	.984		.040060	.988	.759		.992	.263		.995	.873		.998	.515	.080100
980 640 007 - 015 984 630 015 - 025 989 176 005 - 010 992 .330 .110 - 130 .996 .170 .005 - 010 .988 .562 .015 - 020 .980 .648 .050070 .984 .641 .080 - 1.03 .989 .251 .080 - 1.00 .992 .253 .025040 .996 .283 .090125 .998 .573 .050070 .980 .684 .080083 .984 .648 .015020 .989 .259 .080070 .992 .535 .005010 .996 .323 .005010 .998 .757 .055010 .990 .400 .990 .400 .990 .890 .990 .890 .990 .891 .990 .990 .891 .990 .891 .990 .891 .990 .891 .990 .891 .990 .891 .990 .891 .990 .891 .990 .891 .990 .891 .990<	.980	.531	.010020	.984	.625	.040060	.988	.760	.005010	.992	.270	.005015	.995	.938	.010020	.998	.516	.005010
980 647 0.05 - 0.10 .984 641 .080105 .989 .251 .080100 .992 .387 .020040 .996 .255 .005010 .998 .563 .075100 .980 .664 .080070 .984 .643 .010020 .989 .253 .030070 .992 .523 .005010 .998 .577 .005010 .980 .668 .080100 .984 .660 .100125 .989 .282 .080100 .992 .582 .030050 .996 .313 .005010 .998 .573 .005010 .998 .799 .005010 .992 .688 .005010 .998 .503 .005010 .998 .503 .005010 .998 .500000 .992 .687 .105996 .395 .166187 .998 .629 .005010 .992 .687 .005010 .994 .463 .006080 .998 .473 .005010 .994 <td></td>																		
980 648 0.050 - 0.070 984 6.43 0.060 - 0.80 9.89 2.53 0.30 - 0.050 992 5.23 0.25 - 0.40 9.96 2.83 0.90 - 1.25 9.98 5.77 0.05 - 0.070 9.90 6.68 0.05 - 0.070 0.90																		
980 664 0.060 - 0.083 9.84 6.48 0.15 - 0.30 9.89 2.29 0.60 - 0.70 9.92 5.36 0.05 - 0.10 9.96 3.18 0.05 - 0.10 9.98 5.77 0.05 - 0.10 0.980 0.05 - 0.10 0.05																		
980 668 080 - 100 984 650 1.00 - 1.25 989 2.82 0.80 - 100 992 5.62 0.30 - 0.50 996 3.23 0.05 - 0.10 998 5.78 0.10 - 0.20 0.90 0.719 0.40 - 0.60 0.984 6.89 0.20 - 0.30 0.989 3.90 0.05 - 0.10 992 6.67 0.05 - 0.10 0.96 3.95 1.56 - 1.87 998 5.80 1.57 - 1.87 1.8																		
980 7.79 0.40 0.60 9.84 6.89 0.20 0.75 9.89 3.90 0.05 0.10 9.92 6.69 0.05 0.10 9.96 3.95 1.56 1.87 9.98 5.80 1.57 1.87 9.80 7.57 0.80 0.104 9.84 7.15 0.50 0.75 9.89 4.00 0.107 0.90 9.92 6.88 0.50 0.70 0.996 4.41 0.20 0.30 9.98 6.30 0.10 0.20 0.980 3.81 0.40 0.60 9.84 7.48 0.10 0.20 9.89 5.50 0.05 0.80 0.992 7.54 0.40 0.60 9.96 4.41 0.20 0.30 9.98 6.37 0.40 0.60 0.984 7.49 0.40 0.60 9.89 5.50 0.25 0.40 9.92 3.83 0.10 0.21 0.986 3.95 0.57 0.90 9.98 6.72 0.70 0.90 9.80 3.90 0.05 0.70 0.90 9.80 3.80 0.05 0.70 0.90 0.90 0.80 0.80 0.05 0.70 0.90 0.90 0.80 0.80 0.05 0.70 0.90 0.90 0.80 0.80 0.05 0.70 0.90 0.90 0.80 0.80 0.05 0.70 0.90 0.90 0.80 0.80 0.05 0.70 0.90 0.90 0.80 0.70 0.90 0.80 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0.90 0.70 0.90 0.90 0.70 0																		
980 740 0.20 -0.40 9.84 7.15 0.50 -0.75 9.89 4.00 1.00 -1.25 9.92 6.87 1.05 -1.35 9.96 3.96 1.00 -1.25 9.98 6.29 0.05 -0.10 0.980 7.75 0.80 0.75 0.																		
980 .757 .080104 .984 .716 .025042 .989 .506 .070090 .992 .688 .050070 .996 .441 .020030 .998 .630 .010020 .980 .841 .030050 .984 .749 .040060 .989 .560 .025040 .992 .835 .010015 .996 .511 .040060 .998 .662 .050070 .980 .851 .101020 .984 .749 .070090 .989 .640 .005010 .998 .578 .075090 .998 .672 .005012 .980 .855 .005010 .984 .799 .025042 .989 .736 .100120 .993 .299 .062120 .996 .666 .040016 .998 .632 .041 .996 .666 .040010 .998 .634 .022040 .998 .431 .050010 .998 .748 .025042 .98																		
980 8.21 0.40060 9.84 .748 0.10020 9.89 .515 0.60080 9.92 .754 0.40060 9.96 .463 0.60080 9.98 6.37 0.40060 .980 .841 .030050 .984 .749 .040060 .989 .660 .025040 .992 .249 .040055 .996 .578 .075090 .998 .662 .050070 .980 .851 .010020 .984 .794 .070090 .989 .640 .005010 .993 .249 .040055 .996 .578 .075090 .998 .672 .005012 .980 .860 .005010 .984 .795 .025042 .989 .736 .100120 .993 .295 .062120 .996 .666 .040060 .998 .678 .032042 .998 .771 .060075 .993 .316 .005010 .996 .662 .010030 .998 .748 .035060 .981 .396 .010020 .984 .799 .040060 .989 .771 .060075 .993 .316 .005010 .996 .692 .010030 .998 .748 .035060 .981 .467 .020030 .984 .817 .005010 .989 .789 .020040 .993 .371 .070090 .996 .740 .050070 .998 .793 .005010 .981 .551 .005010 .998 .835 .015030 .998 .836 .015030 .998 .848 .055020 .993 .605 .020040 .996 .758 .005075 .998 .875 .005010 .998 .758 .005010 .																		
.980 .851 .010020 .984 .794 .070090 .989 .640 .005010 .993 .249 .040050 .996 .678 .075090 .998 .672 .005012 .980 .875 .005010 .984 .795 .025042 .989 .736 .005010 .993 .297 .062120 .996 .666 .040060 .998 .678 .070090 .998 .739 .005010 .993 .371 .070090 .996 .666 .040060 .998 .739 .040060 .993 .371 .070090 .996 .692 .010030 .998 .748 .035060 .981 .660 .005010 .998 .793 .005010 .998 .799 .040060 .998 .740 .050070 .998 .793 .005010 .998 .793 .005010 .998 .793 .005010 .993 .623 .040060 .996 .788					.748	.010020			.060080						.060080			
.980 .860 .005010 .984 .795 .025042 .989 .736 .100120 .993 .295 .062120 .996 .630 .010015 .998 .678 .032042 .980 .375 .005010 .984 .799 .070090 .989 .739 .005010 .993 .297 .062120 .996 .696 .040060 .988 .748 .035060 .981 .467 .020030 .984 .817 .005010 .989 .789 .020040 .993 .371 .070090 .996 .740 .050070 .998 .793 .005010 .981 .500 .050060 .984 .880 .015030 .989 .830 .015030 .993 .523 .040060 .996 .788 .005070 .998 .875 .005010 .981 .565 .005010 .985 .215 .040060 .990 .126 .040060																		
980 875 0.05 - 0.10 984 798 0.70 - 0.90 989 7.39 0.05 - 0.10 9.93 2.97 0.62 - 1.20 9.96 6.66 0.40 - 0.60 9.98 6.94 0.20 - 0.40 9.81 3.96 0.10 - 0.20 9.84 7.79 0.40 - 0.60 9.89 7.71 0.60 - 0.75 9.93 3.16 0.05 - 0.10 9.96 6.92 0.10 - 0.30 9.98 7.48 0.35 - 0.60 9.81 5.04 0.50 - 0.60 9.84 8.38 0.15 - 0.30 9.89 7.89 0.20 - 0.40 9.93 3.71 0.70 - 0.90 9.96 7.74 0.50 - 0.70 9.98 7.93 0.05 - 0.10 9.81 5.04 0.50 - 0.60 9.84 8.38 0.15 - 0.30 9.89 8.30 0.15 - 0.30 9.93 5.23 0.40 - 0.60 9.96 7.58 0.05 - 0.10 9.98 8.55 0.05 - 0.10 9.81 5.12 0.05 - 0.10 9.84 8.80 0.15 - 0.30 9.89 8.44 0.05 - 0.20 9.93 6.65 0.20 - 0.40 9.96 7.85 0.05 - 0.07 9.98 8.77 0.15 - 0.30 9.81 5.55 0.05 - 0.10 9.85 2.15 0.40 - 0.60 9.90 1.25 0.40 - 0.60 9.93 6.40 0.62 0.99 9.96 7.88 0.05 - 0.10 9.98 8.77 0.05 - 0.10 9.81 5.57 0.75 - 1.04 9.85 2.50 0.40 - 0.60 9.90 1.25 0.40 - 0.60 9.93 6.65 0.70 - 0.90 9.96 8.08 0.40 - 0.60 9.99 0.36 0.05 - 0.10 9.81 5.77 0.75 - 1.04 9.85 2.76 0.60 - 0.80 9.90 3.25 0.80 - 1.00 9.93 6.65 0.70 - 0.90 9.96 8.81 0.05 - 0.10 9.91 0.36 0.05 - 0.10 9.81 7.75 0.20 - 0.40 9.85 3.31 0.07 - 0.90 9.90 4.43 0.05 - 0.10 9.93 6.80 0.10 - 0.40 9.96 8.12 0.60 - 0.80 9.99 1.22 0.05 - 0.70 9.81 8.21 0.05 - 0.10 9.85 3.34 0.05 - 0.10 9.90 4.42 0.06 - 0.15 9.94 2.43 0.25 - 0.42 9.96 8.83 0.40 - 0.60 9.99 2.05 0.05 - 0.70 9.81 8.21 0.05 - 0.10 9.85 3.34 0.05 - 0.10 9.90 4.42 0.06 - 0.15 9.94 2.43 0.25 - 0.42 9.96 8.87 0.40 - 0.60 9.99 2.26 0.05 - 0.10 9.81 8.45 0.05 - 0.10 9.85 3.34 0.05 - 0.10 9.90 4.45 0.060 9.94 4.41 0.90 - 1.10 9.96 8.87 0.40 - 0.60 9.99 2.26 0.05 - 0.10 9.81 8.45 0.05 - 0.10 9.85 3.45																		
.981 .396 .010020 .984 .779 .040060 .989 .771 .060075 .993 .316 .005010 .996 .692 .010030 .998 .748 .035060 .981 .467 .020030 .984 .817 .005010 .989 .789 .020040 .993 .523 .040060 .996 .758 .005010 .998 .855 .005010 .981 .512 .005010 .984 .888 .015030 .989 .844 .005010 .993 .605 .020040 .996 .788 .005075 .998 .875 .005010 .993 .638 .040060 .996 .788 .005010 .998 .877 .015030 .981 .565 .005010 .985 .229 .060080 .989 .879 .005010 .993 .638 .040060 .996 .788 .005010 .993 .956 .005010 .990																		
.981 .467 .020030 .984 .817 .005010 .989 .789 .020040 .993 .371 .070090 .996 .740 .050070 .998 .793 .005010 .981 .504 .050010 .984 .838 .015030 .989 .844 .005020 .993 .523 .040060 .996 .758 .050075 .998 .855 .005010 .981 .525 .015030 .985 .209 .060080 .989 .879 .005010 .993 .640 .062090 .996 .788 .005075 .998 .877 .015030 .981 .565 .005010 .985 .215 .040060 .990 .125 .040060 .993 .640 .062090 .996 .788 .040050 .998 .913 .005010 .981 .576 .065 .010 .990 .355 <t.080110< td=""> .993 .655</t.080110<>																		
981 .504 .050060 .984 .838 .015030 .989 .830 .015030 .993 .523 .040060 .996 .758 .005010 .998 .855 .005010 .981 .512 .005010 .985 .209 .060080 .989 .844 .005020 .993 .605 .020040 .996 .785 .050075 .998 .875 .005010 .991 .525 .015030 .985 .209 .060080 .989 .879 .005010 .993 .638 .040060 .996 .788 .005010 .998 .877 .015030 .981 .565 .005010 .985 .215 .040060 .990 .125 .040060 .993 .640 .062090 .996 .798 .040060 .999 .036 .005010 .981 .586 .005015 .985 .276 .060080 .990 .355 .080100 .993 .668 .010040 .996 .812 .060080 .999 .036 .005010 .981 .730 .030050 .985 .316 .005010 .990 .437 .010020 .993 .802 .050070 .996 .813 .015030 .999 .122 .005010 .981 .752 .020040 .985 .331 .070090 .990 .438 .105125 .994 .151 .005010 .996 .823 .005060 .999 .201 .050070 .981 .840 .005010 .985 .354 .005010 .990 .443 .006015 .994 .287 .090110 .996 .864 .040060 .999 .243 .030050 .981 .845 .005010 .985 .395 .005010 .990 .443 .006015 .994 .287 .090110 .996 .864 .040060 .999 .253 .005010 .982 .345 .005010 .990 .456 .030050 .994 .451 .010020 .996 .881 .025040 .999 .253 .005010 .982 .345 .005010 .985 .443 .005010 .990 .456 .030050 .994 .451 .000110 .996 .881 .025040 .999 .253 .005010 .982 .345 .005010 .985 .451 .070090 .990 .516 .030050 .994 .552 .040050 .997 .312 .005010 .999 .348 .080104 .982 .504 .100125 .985 .490 .120156 .																		
981 .512 .005010 .984 .880 .015030 .989 .844 .005020 .993 .605 .020040 .996 .785 .050075 .998 .875 .005010 .981 .525 .015030 .985 .209 .060080 .989 .879 .005010 .993 .638 .040060 .996 .788 .005010 .998 .877 .015030 .981 .565 .005010 .985 .215 .040060 .990 .125 .040060 .993 .640 .062090 .996 .788 .040050 .998 .913 .005010 .981 .577 .075104 .985 .250 .040050 .990 .126 .010020 .993 .685 .070090 .996 .808 .040060 .999 .036 .005010 .981 .586 .005015 .985 .276 .060080 .990 .355 .080100 .993 .689 .010040 .996 .812 .060080 .999 .096 .010020 .981 .752 .020040 .985 .331 .070090 .990 .438 .105125 .994 .151 .005010 .996 .823 .005060 .999 .206 .005010 .981 .821 .005010 .985 .335 .005010 .990 .442 .006015 .994 .243 .025042 .996 .859 .040060 .999 .206 .005010 .981 .840 .005010 .985 .395 .005010 .990 .443 .006015 .994 .243 .025042 .996 .885 .040060 .999 .226 .005010 .981 .845 .005015 .985 .440 .020040 .990 .445 .060080 .994 .441 .010020 .996 .881 .025040 .999 .253 .005010 .982 .345 .060080 .985 .443 .005010 .990 .456 .030050 .994 .441 .090110 .996 .881 .025040 .999 .253 .005010 .982 .345 .060080 .985 .443 .005010 .990 .469 .080100 .994 .441 .090110 .996 .881 .025040 .999 .253 .005010 .982 .501 .005010 .985 .451 .070090 .990 .512 .005010 .994 .540 .005015 .997 .526 .005010 .999 .526 .005010 .999 .526 .005010 .																		
.981 .525 .015030 .985 .209 .060080 .989 .879 .005010 .993 .638 .040060 .996 .788 .005010 .998 .877 .015030 .981 .565 .005010 .985 .215 .040060 .990 .125 .040060 .993 .640 .062090 .996 .798 .040060 .998 .913 .005010 .981 .577 .075104 .985 .250 .040050 .990 .126 .010020 .993 .685 .070090 .996 .808 .040060 .999 .036 .005010 .990 .355 .080100 .993 .689 .010040 .996 .812 .060080 .999 .036 .005010 .999 .036 .005010 .999 .036 .005010 .990 .437 .010020 .993 .802 .050070 .996 .813 .015030 .999												.020040						.005010
.981 .565 .005010 .985 .215 .040060 .990 .125 .040060 .993 .640 .062090 .996 .798 .040050 .998 .913 .005010 .981 .577 .075104 .985 .250 .040050 .990 .126 .010020 .993 .655 .070090 .996 .808 .040060 .999 .036 .005010 .981 .586 .005015 .985 .276 .060080 .990 .355 .080100 .993 .689 .010040 .996 .812 .060080 .999 .096 .010020 .981 .730 .030050 .985 .316 .005010 .990 .437 .010020 .993 .802 .050070 .996 .813 .015030 .999 .201 .055010 .981 .821 .005010 .985 .334 .005010 .990 .443 .006		.525	.015030			.060080		.879	.005010		.638				.005010			.015030
.981 .586 .005015 .985 .276 .060080 .990 .355 .080100 .993 .689 .010040 .996 .812 .060080 .999 .096 .010020 .981 .730 .030050 .985 .316 .005010 .990 .437 .010020 .993 .802 .050070 .996 .813 .015030 .999 .122 .005010 .981 .752 .020040 .985 .331 .070090 .990 .438 .105125 .994 .151 .005010 .996 .823 .005060 .999 .201 .050070 .981 .840 .005010 .985 .354 .005010 .990 .443 .006015 .994 .287 .090110 .996 .864 .040060 .999 .243 .030050 .996 .877 .005030 .999 .252 .030050 .999 .243 .030050												.062090						.005010
.981 .730 .030050 .985 .316 .005010 .990 .437 .010020 .993 .802 .050070 .996 .813 .015030 .999 .122 .005010 .981 .752 .020040 .985 .331 .070090 .990 .438 .105125 .994 .151 .005010 .996 .823 .005060 .999 .201 .050070 .981 .821 .005010 .985 .354 .005010 .990 .442 .006015 .994 .243 .025042 .996 .859 .040060 .999 .206 .005010 .981 .845 .005015 .985 .409 .120140 .990 .454 .060080 .994 .431 .010020 .996 .877 .005030 .999 .252 .030050 .982 .286 .030060 .985 .440 .020040 .990 .456 .030																		
.981 .752 .020040 .985 .331 .070090 .990 .438 .105125 .994 .151 .005010 .996 .823 .005060 .999 .201 .050070 .981 .821 .005010 .985 .354 .005010 .990 .442 .006015 .994 .243 .025042 .996 .859 .040060 .999 .206 .005010 .981 .840 .005015 .985 .409 .120140 .990 .443 .006015 .994 .287 .090110 .996 .864 .040060 .999 .243 .030050 .981 .845 .005015 .985 .409 .120140 .990 .454 .060080 .994 .431 .010020 .996 .877 .005030 .999 .252 .030045 .982 .286 .030060 .985 .443 .005010 .990 .456 .030																		
.981 .821 .005010 .985 .354 .005010 .990 .442 .006015 .994 .243 .025042 .996 .859 .040060 .999 .206 .005010 .981 .840 .005015 .985 .395 .005010 .990 .443 .006015 .994 .287 .090110 .996 .864 .040060 .999 .243 .030050 .981 .845 .005015 .985 .409 .120140 .990 .454 .060080 .994 .431 .010020 .996 .877 .005030 .999 .252 .030045 .982 .286 .030060 .985 .440 .020040 .990 .456 .030050 .994 .441 .090110 .996 .880 .020030 .999 .253 .005010 .982 .501 .080 .985 .443 .005010 .990 .469 .080100<																		
.981 .840 .005010 .985 .395 .005010 .990 .443 .006015 .994 .287 .090110 .996 .864 .040060 .999 .243 .030050 .981 .845 .005015 .985 .409 .120140 .990 .454 .060080 .994 .431 .010020 .996 .877 .005030 .999 .252 .030045 .982 .286 .030060 .985 .440 .020040 .990 .456 .030050 .994 .441 .090110 .996 .880 .020030 .999 .253 .005010 .982 .345 .060080 .985 .443 .005010 .990 .469 .080100 .994 .484 .005010 .996 .881 .025040 .999 .267 .105125 .982 .501 .005010 .985 .450 .025035 .990 .510 .025																		
.981 .845 .005015 .985 .409 .120140 .990 .454 .060080 .994 .431 .010020 .996 .877 .005030 .999 .252 .030045 .982 .286 .030060 .985 .440 .020040 .990 .456 .030050 .994 .441 .090110 .996 .880 .020030 .999 .253 .005010 .982 .345 .060080 .985 .443 .005010 .990 .469 .080100 .994 .484 .005010 .996 .881 .025040 .999 .267 .105125 .982 .501 .005010 .985 .450 .025035 .990 .510 .025040 .994 .500 .090100 .997 .152 .050075 .999 .284 .005010 .982 .502 .015030 .985 .451 .070090 .512 .005010 .994 .508 .090105 .997 .171 .040062 .999																		
.982 .286 .030060 .985 .440 .020040 .990 .456 .030050 .994 .441 .090110 .996 .880 .020030 .999 .253 .005010 .982 .345 .060080 .985 .443 .005010 .994 .484 .005010 .996 .881 .025040 .999 .257 .105125 .982 .501 .005010 .985 .450 .025035 .990 .510 .025040 .994 .500 .090100 .997 .152 .050075 .999 .284 .005010 .982 .502 .015030 .985 .451 .070090 .990 .512 .005010 .994 .508 .090105 .997 .152 .050075 .999 .284 .005010 .982 .503 .005010 .985 .475 .010015 .990 .516 .005010 .994 .513 .130																		
.982 .501 .005010 .985 .450 .025035 .990 .510 .025040 .994 .500 .090100 .997 .152 .050075 .999 .284 .005010 .982 .502 .015030 .985 .451 .070090 .990 .512 .005010 .994 .508 .090105 .997 .171 .040062 .999 .344 .080104 .982 .503 .005010 .985 .475 .010015 .990 .516 .030050 .994 .513 .130150 .997 .250 .005010 .999 .348 .080104 .982 .504 .100125 .985 .490 .120156 .990 .526 .090105 .994 .540 .005010 .997 .266 .010020 .999 .356 .005010 .982 .562 .060080 .985 .500 .020032 .990 .560 .030060 .994 .552 .040050 .997 .312 .005010																		
.982 .502 .015030 .985 .451 .070090 .990 .512 .005010 .994 .508 .090105 .997 .171 .040062 .999 .344 .080104 .982 .503 .005010 .985 .475 .010015 .990 .516 .030050 .994 .513 .130150 .997 .250 .005010 .999 .348 .080104 .982 .504 .100125 .985 .490 .120156 .990 .526 .090105 .994 .540 .005010 .997 .266 .010020 .999 .356 .005010 .982 .562 .060080 .985 .500 .020032 .990 .560 .030060 .994 .552 .040050 .997 .312 .005010 .999 .372 .030060					.443			.469			.484			.881	.025040			
.982 .503 .005010 .985 .475 .010015 .990 .516 .030050 .994 .513 .130150 .997 .250 .005010 .999 .348 .080104 .982 .504 .100125 .985 .490 .120156 .990 .526 .090105 .994 .540 .005010 .997 .266 .010020 .999 .356 .005010 .982 .562 .060080 .985 .500 .020032 .990 .560 .030060 .994 .552 .040050 .997 .312 .005010 .999 .372 .030060																		
.982 .504 .100125 .985 .490 .120156 .990 .526 .090105 .994 .540 .005010 .997 .266 .010020 .999 .356 .005010 .982 .562 .060080 .985 .500 .020032 .990 .560 .030060 .994 .552 .040050 .997 .312 .005010 .999 .372 .030060																		
.982 .562 .060080 .985 .500 .020032 .990 .560 .030060 .994 .552 .040050 .997 .312 .005010 .999 .372 .030060																		
122 123 100 100 100 100 100 100 100 100 100 10																		
	.002	.520	.010. 010	.500	.500	.000 .010	.000	.002	.000 .100	.004	.500	.0 .0 .000	.001	.010	.000	.555	.510	.0.00

									NO	100	LING CH	ARGE	FUF	ANT OF	THE	SIZES	LISTED
O.D.	I.D.	Choose Any Thickness*															
		From To															
.999 .999	.376 .382	.005010 .030050	1.000 1.000	.251 .252	.105125 .005080	1.000 1.000	.452 .457	.010020 .100125	1.000	.688 .690	.008016 .025048	1.001 1.001	.423 .439	.050070 .170190	1.004 1.004	.750 .760	.090105 .090125
.999	.392	.030050	1.000	.252	.030120	1.000	.457	.005010	1.000	.691	.025046	1.001	.494	.005010	1.004	.780	.010020
.999	.401	.040060	1.000	.255	.060070	1.000	.465	.030050	1.000	.700	.005060	1.001	.500	.010020	1.004	.781	.005010
.999	.444	.030050	1.000	.256	.020040	1.000	.468	.100125	1.000	.709	.015030	1.001	.503	.005100	1.004	.873	.050070
.999	.453	.060070	1.000	.256	.170190	1.000	.471	.050070	1.000	.716	.005010	1.001	.504	.005030	1.005	.210	.030042
.999	.505	.005010	1.000	.258	.030050	1.000	.475	.020040	1.000	.720	.010020	1.001	.505	.015025	1.005	.257	.100125
.999	.518	.040060	1.000	.263	.005010	1.000	.476	.100125	1.000	.724	.040060	1.001	.508	.005105	1.005	.262	.010020
.999	.527	.090105	1.000	.264	.042062	1.000	.480	.005125	1.000	.729	.060080	1.001	.531	.170190	1.005	.263	.100125
.999	.563	.015030	1.000	.266	.005030	1.000	.482	.005010	1.000	.733	.025040	1.001	.564	.170190	1.005	.480	.060075
.999	.578	.010020	1.000	.267	.050075	1.000	.485	.040135	1.000	.742	.005010	1.001	.587	.020040	1.005	.510	.025040
.999	.626	.020134	1.000	.268	.030050	1.000	.499	.005010	1.000	.750	.005125	1.001	.595	.050070	1.005	.536	.100125
.999	.629	.050070	1.000	.270	.005010	1.000	.500	.005062	1.000	.751	.100125	1.001	.611	.040062	1.005	.650	.080100
.999	.633	.005010	1.000	.272	.030050	1.000	.501	.030105	1.000	.752	.040105	1.001	.626	.005020	1.005	.758	.005010
.999	.657	.080100	1.000	.273	.135190	1.000	.502	.005187	1.000	.753	.050070	1.001	.628 .629	.040062	1.005	.801	.010020
.999 .999	.674 .675	.100134	1.000 1.000	.280	.050075 .040060	1.000 1.000	.504 .505	.010110 .030050	1.000	.754 .755	.020075 .005125	1.001 1.001	.688	.050070 .006016	1.005 1.005	.840 .900	.005010
.999	.680	.005010	1.000	.281	.040060	1.000	.506	.030030	1.000	.756	.030050	1.001	.690	.050070	1.005	.950	.005010
.999	.693	.005010	1.000	.282	.006070	1.000	.507	.020187	1.000	.759	.005040	1.001	.711	.080090	1.005	.516	.080105
.999	.700	.020030	1.000	.283	.040060	1.000	.508	.005190	1.000	.760	.060080	1.001	.756	.025050	1.006	.584	.040060
.999	.715	.010020	1.000	.292	.005010	1.000	.510	.060083	1.000	.761	.035050	1.001	.818	.080105	1.006	.881	.015030
.999	.754	.050070	1.000	.293	.080104	1.000	.511	.032060	1.000	.764	.105125	1.001	.906	.005010	1.007	.203	.050075
.999	.755	.090105	1.000	.301	.005010	1.000	.513	.140160	1.000	.765	.030050	1.002	.136	.050070	1.007	.414	.015025
.999	.763	.005010	1.000	.310	.062090	1.000	.515	.005187	1.000	.766	.100125	1.002	.140	.042060	1.007	.448	.015025
.999	.787	.025040	1.000	.311	.150180	1.000	.517	.005010	1.000	.767	.050075	1.002	.172	.010025	1.007	.528	.080105
.999	.790	.005010	1.000	.315	.031042	1.000	.518	.015125	1.000	.768	.010020	1.002	.197	.005010	1.007	.569	.135160
.999	.822	.050070	1.000	.316	.005020	1.000	.520	.100125	1.000	.770	.005060	1.002	.277	.010020	1.007	.641	.015030
.999	.832	.025040	1.000	.317	.005012	1.000	.531	.120140	1.000	.771	.015030	1.002	.312	.135160	1.007	.647	.100125
.999	.840	.005010	1.000	.318	.050105	1.000	.534	.050070	1.000	.776	.070090	1.002	.319	.060080	1.007	.725	.062075
.999	.878	.005010	1.000	.320	.010125	1.000	.535	.010060	1.000	.778	.040060	1.002	.379	.005010	1.007	.752	.036050
-			1.000 1.000	.323 .326	.050070 .090120	1.000 1.000	.545 .549	.150190 .100125	1.000	.785 .787	.100125 .060070	1.002 1.002	.384 .442	.090125 .050070	1.007 1.008	.764 .469	.005010
		M	1.000	.328	.010060	1.000	.550	.030110	1.000	.791	.000070	1.002	.454	.025042	1.008	.661	.060080
	·U	00	1.000	.330	.105125	1.000	.556	.025040	1.000	.796	.010015	1.002	.470	.005075	1.008	.689	.050060
			1.000	.332	.005010	1.000	.562	.050075	1.000	.797	.025125	1.002	.504	.100125	1.008	.778	.015030
1.000	.028	.010015	1.000	.338	.100125	1.000	.563	.005020	1.000	.798	.005010	1.002	.505	.005010	1.008	.831	.030040
1.000	.064	.010020	1.000	.340	.032048	1.000	.564	.030050	1.000	.800	.012025	1.002	.507	.010020	1.008	.845	.050070
1.000	.066	.005010	1.000	.343	.050070	1.000	.567	.010020	1.000	.801	.025040	1.002	.531	.035090	1.009	.195	.025042
1.000	.073	.020035	1.000	.344	.010020	1.000	.568	.005010	1.000	.805	.005010	1.002	.532	.005010	1.009	.444	.060080
1.000	.077	.015030	1.000	.354	.100125	1.000	.572	.005080	1.000	.815	.005010	1.002	.534	.025040	1.009	.511	.030050
1.000	.086	.005010	1.000	.357	.010020	1.000	.578	.100125	1.000	.828	.015025	1.002	.564	.062083	1.010	.130	.060070
1.000	.093	.010020	1.000	.363	.005010	1.000	.579	.020040	1.000	.837	.040060	1.002	.579	.015030	1.010	.381	.050070
1.000 1.000	.094 .100	.030060 .050070	1.000 1.000	.372 .375	.010020 .060187	1.000 1.000	.590 .594	.020125 .156187	1.000	.845 .850	.030050 .005010	1.002 1.002	.581 .645	.050070 .015030	1.010 1.010	.388 .420	.005010
1.000	.116	.010062	1.000	.376	.005010	1.000	.598	.060070	1.000	.851	.070080	1.002	.652	.015030	1.010	.450	.005010
1.000	.117	.040060	1.000	.377	.005010	1.000	.600	.005010	1.000	.854	.010020	1.002	.658	.100125	1.010	.506	.005010
1.000	.118	.040060	1.000	.378	.005050	1.000	.605	.010020	1.000	.855	.005010	1.002	.685	.060083	1.010	.510	.015030
1.000	.129	.005010	1.000	.379	.042134	1.000	.610	.005120	1.000	.857	.005010	1.002	.700	.125135	1.010	.540	.015030
1.000	.131	.015030	1.000	.381	.005020	1.000	.611	.030060	1.000	.875	.016025	1.002	.703	.050070	1.010	.640	.050060
1.000	.142	.010062	1.000	.384	.060090	1.000	.623	.030050	1.000	.876	.005010	1.002	.718	.020040	1.010	.664	.025040
1.000	.143	.030050	1.000	.386	.005010	1.000	.624	.005187	1.000	.879	.030060	1.002	.719	.062083	1.010	.757	.015025
1.000	.147	.005010	1.000	.386	.050075	1.000	.625	.015030	1.000	.880	.010020	1.002	.767	.020040	1.011	.501	.015030
1.000	.156	.020040	1.000	.387	.007016	1.000	.626	.050075	1.000	.892	.030050	1.002	.820	.020040	1.012	.315	.030040
1.000	.157	.070090	1.000	.388	.005010	1.000	.627	.105125	1.000	.900	.005010	1.002	.842	.030050	1.012	.358	.010020
1.000	.165	.020072	1.000	.389	.048075	1.000	.628	.005030	1.000	.911	.020035	1.002	.897	.025040	1.012	.551	.030040
1.000 1.000	.168 .170	.050070 .030050	1.000 1.000	.392 .395	.075125 .010020	1.000 1.000	.629 .630	.005010 .030060	1.000	.936 .957	.005010 .015025	1.003 1.003	.211 .377	.010020 .005015	1.012 1.012	.849 .869	.015030 .020040
1.000	.170	.030050	1.000	.400	.010020	1.000	.631	.134156	1.000	.958	.015025	1.003	.410	.005015	1.012	.896	.020040
1.000	.172	.005010	1.000	.403	.105125	1.000	.632	.090110	1.000	.164	.005010	1.003	.441	.030050	1.012	.755	.005010
1.000	.180	.030125	1.000	.405	.042100	1.000	.633	.015030	1.001	.203	.025040	1.003	.445	.010020	1.013	.806	.040060
1.000	.192	.050075	1.000	.406	.020030	1.000	.634	.025060	1.001	.218	.005010	1.003	.455	.062080	1.013	.848	.042060
1.000	.195	.010110	1.000	.407	.156187	1.000	.636	.060075	1.001	.247	.090105	1.003	.498	.005015	1.014	.503	.060080
1.000	.196	.025090	1.000	.409	.120134	1.000	.638	.100125	1.001	.250	.062120	1.003	.508	.005010	1.014	.642	.020040
1.000	.198	.070090	1.000	.410	.005010	1.000	.640	.020080	1.001	.251	.005010	1.003	.628	.045060	1.014	.692	.040060
1.000	.199	.080 800.	1.000	.414	.100125	1.000	.641	.005156	1.001	.253	.010020	1.003	.641	.005012	1.014	.848	.005010
1.000	.200	.134160	1.000	.415	.025040	1.000	.646	.040080	1.001	.260	.080100	1.003	.723	.025040	1.014	.860	.005010
1.000	.205	.050075	1.000	.418	.050070	1.000	.649	.005010	1.001	.262	.005010	1.003	.780	.010020	1.014	.874	.015030
1.000	.209	.105125	1.000	.425	.040060	1.000	.655	.030050	1.001	.264	.090120	1.003	.807	.030048	1.014	.884	.005040
1.000	.215	.050075	1.000	.427	.110120	1.000	.656	.005010	1.001	.268	.005010	1.003	.810	.005010	1.015	.534	.050075
1.000	.217	.025125	1.000	.432	.005010	1.000	.665	.050070	1.001	.269	.050070	1.004	.148	.080105	1.015	.652	.060080
1.000	.218	.015048	1.000	.434	.104125	1.000	.669 670	.005032	1.001	.285	.105135	1.004	.185	.005010	1.015	.671 755	.010020
1.000 1.000	.219 .220	.005125	1.000	.437 .438	.050125 .020040	1.000 1.000	.670 .671	.105125	1.001 1.001	.322 .344	.080100 .015030	1.004 1.004	.320	.020040	1.015	.755 .773	.005010
1.000	.220	.010020 .005050	1.000 1.000	.438 .440	.020040	1.000	.673	.080090	1.001	.344	.015030	1.004	.423 .458	.005010 .050070	1.015 1.015	.773 .790	.020030
1.000	.225	.050070	1.000	.441	.100120	1.000	.674	.100125	1.001	.380	.005125	1.004	.531	.005010	1.015	.818	.100125
1.000	.228	.005010	1.000	.443	.135170	1.000	.675	.005030	1.001	.385	.005010	1.004	.549	.005010	1.015	.842	.050070
1.000	.237	.060080	1.000	.444	.005010	1.000	.676	.020030	1.001	.389	.030050	1.004	.567	.100125	1.015	.876	.015030
1.000	.238	.010020	1.000	.445	.060080	1.000	.679	.050070	1.001	.409	.005010	1.004	.628	.062120	1.016	.302	.100125
1.000	.239	.015030	1.000	.447	.010020	1.000	.680	.005125	1.001	.416	.070090	1.004	.675	.100125	1.016	.460	.015030
1.000	.250	.008070	1.000	.451	.005010	1.000	.686	.030060	1.001	.418	.050070	1.004	.705	.040060	1.016	.481	.020040

								BUKER	2 INE	IAL	WASHER	O AITE	FLAI	AND I	JIVIBL	E DE	BURKED
O.D.	I.D.	Choose Any Thickness*															
O.D.	1.D.	From To	О.Б.	1.D.	From To	O.D.	1.D.	From To	O.D.	1.D.	From To	O.D.	1.0.	From To	O.D.	1.D.	From To
1.016	.505	.050070	1.023	.869	.010020	1.030	.194	.030050	1.040	.378	.005010	1.050	.440	.010020	1.056	.205	.005010
1.016	.522	.015030	1.023	.885	.010020	1.030	.273	.060075	1.040	.544	.090120	1.050	.500	.005030	1.056	.634	.050075
1.016	.650	.005010	1.023	.887	.010020	1.030	.336	.156187	1.040	.560	.030050	1.050	.503	.005020	1.056	.659	.005010
1.016	.750	.005010	1.023	.893	.015030	1.030	.377	.020030	1.040	.627	.020040	1.050	.504	.005008	1.056	.676	.040060
1.016	.761	.015030	1.023	.909	.005010	1.030	.383	.015030	1.040	.714	.120140	1.050	.564	.005020	1.056	.719	.032060
1.016	.920	.005010	1.024	.394	.010020	1.030	.384	.010015	1.040	.809	.012025	1.050	.567	.100120	1.056	.726	.005010
1.016	.929	.005010	1.024	.395	.005010	1.030	.417	.030050	1.040	.831	.025035	1.050	.570	.015030	1.056	.841	.005040
1.017	.301	.050075	1.024	.398	.005010	1.030	.505	.050070	1.040	.869	.005010	1.050	.615	.020040	1.056	.875	.010020
1.017	.627	.005008	1.024	.454	.040060	1.030	.510	.062080	1.040	.875	.025040	1.050	.626	.005050	1.056	.877	.015030
1.017	.754	.005015	1.024	.473	.005010	1.030	.533	.110130	1.040	.915	.010020	1.050	.629	.005010	1.057	.350	.005010
1.017	.825	.005060	1.024	.476	.005010	1.030	.542	.015030	1.040	.926	.020030	1.050	.635	.005010	1.057	.838	.005010
1.017	.865	.005010	1.024	.568	.050070	1.030	.585	.005010	1.041	.788	.015030	1.050	.712	.032060	1.058	.251	.005010
1.017	.878	.048062	1.024	.629	.005010	1.030	.626	.140160	1.041	.909	.005010	1.050	.722	.032042	1.058	.428	.040050
1.018	.203	.008015	1.024	.694	.015030	1.030	.649	.005010	1.041	.919	.005010	1.050	.754	.005020	1.058	.501	.010020
1.018	.317	.010020	1.024	.709	.060080	1.030	.688	.050060	1.042	.544	.090120	1.050	.760	.030050	1.058	.520	.040060
1.018	.688	.050070	1.024	.717	.070090	1.030	.690	.090125	1.042	.773	.015030	1.050	.765	.010020	1.058	.532	.060075
1.018	.696	.050070	1.024	.801	.030050	1.030	.719	.100125	1.042	.789	.015030	1.050	.771	.110120	1.058	.583	.090110
1.018	.747	.048062	1.024	.874	.010020	1.030	.749	.040060	1.043	.473	.105135	1.050	.798	.025048	1.058	.601	.005010
1.018	.807	.010020	1.024	.881	.010020	1.030	.815	.020030	1.043	.676	.070090	1.050	.804	.005010	1.058	.626	.005030
1.018	.824	.020040	1.025	.243	.005010	1.030	.850	.030050	1.044	.191	.032060	1.050	.820	.030050	1.058	.628	.005010
1.018	.826	.005010	1.025	.315	.005010	1.030	.894	.050075	1.044	.193	.007015	1.050	.826	.005010	1.058	.640	.050070
1.018	.832	.020040	1.025	.318	.005010	1.030	.952	.005015	1.044	.378	.020040	1.050	.828	.005010	1.058	.676	.005030
1.019	.166	.015030	1.025	.330	.020040	1.030	.967	.020030	1.044	.512	.020030	1.050	.850	.005010	1.058	.688	.105125
1.019	.415	.020030	1.025	.337	.060080	1.031	.377	.015030	1.044	.750	.100125	1.050	.876	.005010	1.058	.735	.050083
1.019	.613	.015030	1.025	.375	.030040	1.031	.385	.005010	1.044	.828	.025042	1.050	.877	.050070	1.058	.757	.030050
1.019	.665 .757	.030050 .005010	1.025 1.025	.394 .395	.010020	1.031 1.031	.408 .485	.105135	1.044 1.045	.987 .210	.010020 .030042	1.050 1.050	.878 .896	.010090	1.058 1.058	.762 .872	.075100 .050070
1.019	.766	.010010	1.025	.410	.036060	1.031	.520	.020040	1.045	.230	.030042	1.050	.900	.030050	1.058	.897	.060080
1.019	.769	.050070	1.025	.433	.050070	1.031	.520 .846	.005010	1.045	.252	.006016	1.050	.950	.030050	1.056	.058	.010020
1.019	.769	.010020	1.025	.433	.090070	1.031	.864	.005010	1.045	.288	.005010	1.050	.970	.030040	1.059	.153	.010020
1.020	.316	.050075	1.025	.470	.005010	1.031	.910	.010020	1.045	.300	.005010	1.050	.984	.005010	1.059	.188	.040060
1.020	.378	.015030	1.025	.475	.005010	1.031	.958	.010020	1.045	.407	.030050	1.051	.264	.090110	1.059	.347	.060070
1.020	.510	.135160	1.025	.477	.005010	1.032	.175	.100125	1.045	.465	.005010	1.051	.315	.008015	1.059	.450	.090120
1.020	.552	.134156	1.025	.505	.005020	1.032	.259	.062090	1.045	.619	.010020	1.051	.500	.010020	1.059	.514	.015030
1.020	.641	.005010	1.025	.550	.005012	1.032	.378	.010020	1.045	.704	.030050	1.051	.502	.015030	1.059	.582	.030050
1.020	.667	.010020	1.025	.606	.048062	1.032	.529	.100125	1.045	.750	.005032	1.051	.503	.015025	1.059	.596	.050070
1.020	.700	.005008	1.025	.632	.010020	1.032	.566	.010020	1.045	.783	.015030	1.051	.504	.005010	1.059	.634	.005010
1.020	.744	.010020	1.025	.704	.032042	1.032	.633	.080100	1.045	.830	.005010	1.051	.596	.005010	1.059	.750	.050070
1.020	.750	.040060	1.025	.720	.035050	1.032	.656	.100125	1.045	.880	.025040	1.051	.752	.110130	1.059	.768	.020040
1.020	.775	.050070	1.025	.749	.005035	1.032	.788	.020030	1.045	.894	.050060	1.051	.881	.060080	1.059	.890	.040060
1.020	.787	.030048	1.025	.754	.040060	1.032	.849	.070090	1.046	.138	.005010	1.051	.964	.005010	1.059	.965	.015025
1.020	.805	.060075	1.025	.775	.010020	1.032	.925	.015030	1.046	.345	.070090	1.051	.988	.005010	1.060	.150	.060080
1.020	.861	.025048	1.025	.776	.020040	1.032	.955	.020040	1.046	.517	.035050	1.052	.253	.010020	1.060	.172	.010020
1.020	.960	.015030	1.025	.787	.030050	1.033	.483	.080100	1.046	.861	.010020	1.052	.595	.005010	1.060	.180	.030050
1.020	.962	.005020	1.025	.788	.010020	1.033	.757	.005010	1.046	.908	.005010	1.052	.696	.040060	1.060	.210	.010020
1.021	.257	.050075	1.025	.804	.040050	1.033	.811	.050075	1.046	.943	.020035	1.052	.715	.005010	1.060	.258	.025035
1.021	.316	.040060	1.025	.877	.010020	1.033	.836	.015030	1.047	.287	.005010	1.052	.760	.105125	1.060	.283	.156187
1.021	.575	.005010	1.025	.893	.020040	1.033	.883	.015030	1.047	.480	.005010	1.052	.765	.060070	1.060	.284	.040062
1.021	.668	.015020	1.025	.926	.020040	1.033	.925	.032050	1.047	.499	.006015	1.052	.846	.040060	1.060	.318	.005010
1.021	.726	.005010	1.026	.239	.005010	1.034	.130	.005015	1.047	.522	.005010	1.052	.881	.050075	1.060	.341	.010020
1.021	.750	.025040	1.026	.480	.030050	1.034	.350	.020040	1.047	.627	.070090	1.053	.530	.075090	1.060	.378	.105135
1.021	.766	.015030	1.026	.630	.060080	1.034	.381	.075090	1.047	.840	.010020	1.053	.627	.070090	1.060	.394	.100125
1.021	.878	.020030	1.026	.781	.040060	1.034	.500	.070090	1.047	.916	.005010	1.053	.662	.025050	1.060	.396	.025048
1.021	.930	.015030	1.026	.917	.005010	1.034	.654	.005010	1.048	.163	.005010	1.053	.752	.110130	1.060	.429	.005010
1.022	.219	.005010	1.027	.203	.005010	1.034	.731	.015030	1.048	.282	.090105	1.053	.893	.005020	1.060	.451	.105125
1.022	.318	.005010	1.027	.294	.070090	1.034	.827	.005010	1.048	.378	.100125	1.054	.503	.005010	1.060	.469	.105125
1.022	.354	.005010	1.027	.382	.005010	1.034	.830	.005012	1.048	.431	.042062	1.054	.560	.030050	1.060	.479	.005010
1.022	.394	.005010	1.027	.417	.075090	1.035	.660	.070090	1.048	.504	.006012	1.054	.649	.005010	1.060	.510	.020035
1.022	.468	.030050	1.027	.418	.070090	1.035	.820	.020030	1.048	.517	.020040	1.054	.725	.015030	1.060	.512	.156188
1.022	.477	.010020	1.027	.439	.005010	1.035	.832	.030050	1.048	.629	.008015	1.054	.749	.005010	1.060	.513	.105135
1.022	.552	.005010	1.027	.542	.070090	1.035	.858	.040060	1.048	.657	.010020	1.054	.840	.008012	1.060	.531	.010020
1.022	.590	.015030	1.027	.635	.020070	1.035	.874	.060080	1.048	.688	.005010	1.054	.879	.015025	1.060	.563	.015030
1.022	.626	.030050	1.027	.637	.010030	1.035	.948	.010020	1.048	.882	.005015	1.055	.153	.050070	1.060	.573	.060080
1.022	.786	.100125	1.027	.669	.075100	1.035	.954	.020030	1.048	.883	.015030	1.055	.312	.020040	1.060	.580	.062120
1.022	.826	.030050	1.027	.721	.040060	1.036	.533	.050083	1.049	.377	.010020	1.055	.350	.030050	1.060	.629	.015050
1.022	.960	.030042	1.027	.793	.060083	1.036	.678	.005010	1.049	.463	.060090	1.055	.384	.020035	1.060	.638	.090105
1.023	.047	.020030	1.027	.826	.020040	1.036	.718	.090105	1.049	.562	.010020	1.055	.461	.005010	1.060	.658	.005040
1.023	.127	.005010	1.027	.830	.060080	1.036	.793	.075090	1.049	.648	.040060	1.055	.472	.010025	1.060	.659	.035060
1.023	.302	.030040	1.027	.872	.050060	1.037	.440	.015030	1.049	.890	.030050	1.055	.501	.020040	1.060	.672	.060083
1.023	.395	.005010	1.028	.151	.090105	1.037	.925	.030048	1.049	.950	.005010	1.055	.758	.010020	1.060	.688	.010020
1.023	.398	.005015	1.028	.623	.060080	1.038 1.038	.440	.025042	1.050	.156	.025042	1.055	.786 701	.015030	1.060	.702 726	.005010
1.023	.473	.020030	1.028	.629	.032048		.506	.050075	1.050	.178	.025040	1.055	.791	.005010	1.060	.726	.060080
1.023	.474	.005010	1.028	.812	.020040	1.038	.709	.030050	1.050	.250	.015030	1.055	.856	.005020	1.060	.741	.025040
1.023 1.023	.552	.060080	1.028	.846	.050070	1.038 1.038	.974	.010020	1.050	.314	.005020	1.055	.865	.050060	1.060	.752	.005010
	.553	.005010	1.029	.318	.005010		.989	.015025	1.050	.320	.170190	1.055	.880	.040060	1.060	.760	.020030
1.023	.669	.060080 .010020	1.029 1.029	.520 .740	.120135 .030050	1.039	.626 .890	.030060 .010020	1.050 1.050	.375 .376	.062120	1.055 1.055	.884	.035050	1.060 1.060	.772 .794	.060080 .080105
1.023	.709 .725	.010020	1.029	.740	.050050	1.039 1.039		.020040	1.050		.005010	1.055	.942 .949	.020035	1.060	.819	.050105
1.023	.725	.050070	1.029	.765	.050070	1.039	.943 .138	.020040	1.050	.416 .438	.020030 .005010	1.055	.953	.010020 .010020	1.060	.853	.050070
1.023	.839	.005010	1.030	.171	.075090	1.040	.195	.005010	1.050	.438	.005010	1.055	.953	.010020	1.060	.880	.005030
1.023	.008	.000010	1.000	.109	.070070	1.040	.133	.000010	1.000	+00	.0.10000	1.000	.001	.510020	1.000	.000	.0-0072

O.D. D.D. Processor O.D. D.D. D.D															7		SIZL	
1969 288	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Choose Any Thickness*
1.00	1.060	001		1.062	140		1.067	E1E		1 070	607		1 000	255		1 007	002	
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1001 1001 500 500 500 500 1003 472 015-030 1009 800 770 -100 1079 780 025 -040 1091 991 015-030 1098 507 030 -040 1019 1015 1019 1019 1015 015-030 1009 507 000 -1005 1019 1019 1019 1019 1019 1015-030 1009 507 000 -1005 1019 1019 1019 1019 1019 1019 1019																		
1961 1962 1963 1963 1963 1963 1964 1965																		
1,641 1,670 1,070 1,063 1,063 1,065 1,065 1,065 1,065 1,065 1,070 1,07																		
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1661 5672 005 -109 1089 573 005 -109 1089 575 005 -109 1070 579 005 -109 1080 575 00																		
1664 674 005 074 005 070 1063 869 015 089 1070 679 005 -010 1080 869 015 070 079 005 070 005 0																		
1.661 687 170 190 1083 573 080 070																		
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1,061 1,962 1,062 1,063 1,063 1,061 1,06																		
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1,002 120																		
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1,062 208 020 - 040 1,063 781 080 - 070 1,072 712 005 - 070 1,081 973 030 - 050 1,093 871 025 - 040 1,099 555 010 - 0.00 1,062 271 050 - 083 1,063 781 080 - 080 1,072 7.00 075 1,091 081 341 030 - 050 1,093 876 025 - 050 025 050 039 387 030 - 050 1,093 387 030 - 050 1,09																		.005020
1062 200 042 - 062 1063 781 060 - 080 1072 750 075 - 100 0.981 034 1 030 - 050 1038 876 052 - 050 1099 588 010 - 0.081 1062 218 020 - 035 1063 787 050 - 070 1072 1070 050 - 010 1081 787 005 - 010 1093 883 035 - 050 1099 680 110-1.082 252 030 - 040 1063 883 005 - 010 1073 347 005 - 010 1081 787 005 - 010 1093 883 035 - 050 1099 680 110-1.082 1000 1000 1000 1000 1000 1000 1000 1																		.010020
1062 211 050 - 083 1063 787 050 - 070 1072 1070 1072 1070 1070 1073 170 05 - 070 1075 1070 1070 110-12 1062 228 030 - 040 1063 889 050 - 070 1073 474 050 - 080 1081 797 050 - 070 1070 1070 1070 1070 1070 1070 10																		.010020
1062 228 020 - 0.05 1 0.63 788 0.03 - 0.95 1 0.073 447 0.05 - 0.07 1 0.08 2.08 0.05 - 0.07 1 0.08 2.08 0.00 - 0.06 1 0.08 2.08 0.05 0.08 0.08 0.08 0.08 0.08 0.05 0.07 0.08 0.09 0.08 0.00 1 0.09 7.08 0.05 0.07 0.05 1 0.08 2.08 0.05 0.07 0.09 0.08 0.09 8.00 0.05 0.01 0.02 0.07 0.05 1 0.00 0.00 0.00 0.00 0.00 0.00 0.																		.020030
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1062 259 0.45 - 080 1.68 389 0.05 - 010 1.073 510 0.15 - 030 1.083 4.75 0.10 - 020 1.084 315 0.05 - 010 1.099 8.16 0.15 - 020 1.062 318 0.00 - 016 1.084 470 1.0 - 020 1.073 572 0.70 - 090 1.083 8.90 0.15 - 030 1.094 5.95 0.20 - 030 1.091 9.92 0.10 - 0.3 1.062 3.83 0.00 - 016 1.084 6.86 0.00 - 010 1.00 1.00 1.00 1.00 1.00 1.0																		.010050
1062 262 0.07 - 0.025 10.04 470 0.01 - 0.02 10.73 546 0.05 - 0.01 0.108 3 670 0.10 - 0.02 10.04 395 0.04 - 0.60 10.99 8.00 10.16 - 0.02 10.02 308 0.00 - 0.00 10.0																		.015025
1062 318 008 - 016 1064 512 005 - 010 1073 572 070 - 099 1083 890 015 - 030 1094 569 020 - 030 1099 905 010 - 030 1062 378 016 - 125 1064 589 005 - 020 1073 869 005 - 010 1084 831 800 - 100 1094 868 809 - 100 1100 128 800 - 100 1002 378 015 - 125 1064 589 005 - 020 1073 889 0.50 - 070 1084 861 800 - 100 1094 866 030 - 050 1100 128 800 - 100 1002 440 080 - 104 1064 871 20 030 - 500 1074 880 050 - 070 1084 861 805 - 100 1094 866 030 - 050 1100 253 005 - 010 1082 481 020 - 040 1084 571 010 253 005 - 010 1082 481 020 - 040 1084 571 010 010 025 1005 010 1082 481 020 - 040 1084 571 010 010 025 1005 010 1082 481 020 - 040 1084 571 010 010 010 010 010 010 010 010 010 0																		.015025
1062 328 040 - 060 1064 563 005 - 020 1073 656 040 - 060 1083 1.016 020 - 030 1094 668 080 - 1.00 1.010 102 303 - 040 1.062 438 005 - 010 1.064 587 068 - 080 - 1.007 672 050 - 010 1.084 681 080 - 1.004 782 025 - 040 1.004 782 025 - 040 1.004 782 030 - 040 1.002 438 005 - 010 1.064 687 0.085 0.050 - 010 1.084 685 0.050 - 010 1.002 438 0.050 - 010 1.002 438 0.050 - 010 1.002 438 0.050 - 010 1.002 438 0.050 - 010 1.004 712 0.000 - 010 1.004 712 0.000 - 010 1.004 712 0.000 - 010 1.004 712 0.000 - 010 1.004 712 0.000 - 010 1.004 712 0.000 - 010 1.002 437 0.000 - 010 1.004 712 0.000 - 010 1.002 438 0.000 - 010 1.004 712 0.000 - 010 1.002 437 0.000 - 010 1.002 438 0.000 - 010 1.004 712 0.000 - 010 1.002 438 0.000 - 010 1.004 712 0.000 - 010 1.002 438 0.000 - 010 1.00																		.010030
1062 378 005 - 101 004 589 4 .005 - 202 1.073 892 .005 - 010 1.084 831 .005 - 010 1.094 .866 .005 - 010 1.004 .866 .005 - 010 1.004 .866 .005 - 010 1.004 .866 .005 - 010 1.004 .866 .005 - 010 1.004 .866 .005 - 010 1.004 .866 .005 - 010 1.004 .866 .005 - 010 1.006 .005 .005 .005 .005 .005 .005 .005																		.005010
1,062 436 0.095 - 0.10 1.064 887 0.48 - 0.62 1.073 890 0.50 0.70 1.084 6.48 0.025 - 0.70 1.094 846 0.905 - 0.05 1.100 2.53 0.005 - 0.10 1.062 4.72 0.005 - 0.006 0.006																		.030042
1.062 454 0.020 0.040 1.064 755 0.010 0.020 1.074 971 0.15 0.025 1.015 0.025 0.040 1.084 7.025 0.040 0.080 1.094 903 0.020 0.010 1.010 3.16 0.055 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.084 3.88 0.050 0.010 1.085 3.95 0.050 0.010 0.055 0.055 0.010 0.055 0.055 0.010 0.055 0.055 0.055 0.010 0.055	1.062	.436		1.064	.687	.048062	1.073	.890	.050070	1.084	.645	.025040	1.094	.846		1.100	.253	.005010
1,062 472 005 - 010 1,064 782 005 - 010 1,074 471 015 - 025 1,084 782 040 - 0.60 1,094 993 020 - 0.30 1,100 346 0.50 - 0.70 1,062 484 0.32 - 0.60 1,064 482 0.40 - 0.60 1,075 380 0.05 - 0.10 1,084 488 0.32 - 0.60 1,064 484 0.32 - 0.40 - 0.60 1,075 480 1,075 480 1,000 346 0.50 - 0.00 1,064 484 0.32 - 0.40 - 0.60 1,075 480 1,000 346 0.50 - 0.00 1,064 484 0.50 - 0.00 1,064 484 0.50 - 0.00 1,065 1,064 1,064 484 0.50 - 0.00 1,075 1,000 1,084 484 0.50 - 0.00 1,095 4,050 1,000 1,061 1,064 1,064 1,065 1,064 1,065 1,064 1,065 1,064 1,065 1,064 1,065 1,064 1,065 1,065 1,064 1,065 1,065 1,064 1,064 1,065 1,06	1.062	.440	.080104	1.064	.712	.030050	1.074	.680	.135156	1.084	.721	.050070	1.094	.885	.030040	1.100	.312	.010020
1.062 480 0.15 - 0.30 1.064 790 0.05 - 0.10 1.075 350 0.05 - 0.10 1.084 8.076 0.04 - 0.605 0.195 3.75 0.25 - 0.08 1.100 3.75 0.05 - 0.05 1.062 1.062 1.062 1.065	1.062	.454	.020040	1.064	.751	.010020	1.074	.720	.020040	1.084	.725	.040060	1.094	.900	.005010	1.100	.316	.005010
1,062 484 0,32 0,060 1,064 822 0,40 0,062 1,075 5,25 1,00 1,200 1,084 8,00 0,15 0,30 1,095 4,05 5,91 1,00 3,77 0,10 0,37 0,15 0,37 0	1.062	.472	.005010	1.064	.762	.005010	1.074	.971	.015025	1.084	.728	.040050	1.094	.993	.020030	1.100	.346	.050070
1.062 5.51 .005010 1.064 .847 .066070 .075 .689 .075100 1.084 .848 .005010 1.095 .685 .010020 1.100 .378 .015020 1.062 .521 .005010 1.064 .951 .015030 .040 1.075 .894 .050060 1.084 .871 .005010 1.095 .625 .010020 1.100 .388 .055071 .055 .042 .062 .060 .010 .028 .025 .040 .065 .016 .026 .040 .050 .010 .028 .025 .040 .025 .010 .026 .025 .040 .025 .010 .025 .030 .025 .040 .025 .010 .026 .025 .040 .025 .010 .025 .025 .040 .025 .025 .040 .025 .025 .040 .025 .025 .040 .025 .025 .040 .025 .025 .040 .025 .025 .040 .025 .025 .020 .025 .02	1.062	.480	.015030	1.064	.790	.005010	1.075	.350	.005010	1.084	.765	.040060	1.095	.375	.025080	1.100	.354	.070090
1.082 521 0.05 - 0.10 1.064 .865 0.010 - 0.20 1.075 .894 0.50 - 0.06 1.084 .875 0.05 - 0.01 1.095 .825 0.10 - 0.20 1.100 .380 0.05 - 0.07 1.062 .531 1.00 - 1.25 1.064 .945 0.30 - 0.04 1.075 .804 0.05 - 0.10 1.084 .927 0.10 - 0.05 .055 .655 0.42 - 0.02 1.100 .380 0.05 - 0.07 1.062 .537 0.05 - 0.05 1.084 .927 0.10 - 0.05 .005 .005 .005 .006 .090 1.100 .416 0.15 - 0.03 0.05 .005 .005 0.05 .005 .005 0.05 .005	1.062	.484	.032060	1.064	.822	.040062	1.075	.525	.100120	1.084	.800	.015030	1.095	.405	.025048	1.100	.377	.010020
1.062 .531 .100125 1.064 .955 .015030 1.075 .804 .005010 1.084 .926 .005010 1.095 .650 .005010 1.000 .416 .015030 1.075 .810 .005010 1.084 .927 .010020 1.095 .700 .060090 1.100 .416 .015030 1.075 .814 .005010 1.085 .225 .030055 1.095 .759 .040050 1.100 .429 .005010 .006 .005010 1.075 .344 .005010 1.076 .348 .005075 1.085 .283 .005075 1.095 .755 .040050 1.100 .429 .005010 1.085 .828 .005075 1.095 .005010 .006 .005010 1.076 .348 .005075 1.085 .672 .007090 1.095 .808 .015030 1.100 .442 .005011 .005 .005 .001 .005011 .005 .005010 .005-	1.062	.515	.005010	1.064	.847	.060070	1.075	.689	.075100	1.084	.848	.005010	1.095	.591	.100125	1.100	.378	.015030
1.082 .584 .062090 1.084 .951 .105030 1.075 .814 .005010 1.084 .927 .010020 1.095 .749 .040060 1.100 .416 .15718 1.082 .584 .062090 1.085 .395 .062083 1.075 .834 .005020 1.085 .243 .005010 1.095 .749 .040060 1.100 .440 .005010 1.076 .348 .005020 1.085 .476 .005010 1.095 .005010 1.096 .626 .020030 1.081 .444 .005010 1.076 .348 .005020 1.085 .476 .005010 1.095 .090 1.085 .476 .005010 1.095 .090 1.095 .690 .105 .090 .005 .005 .000 .005 .011 .005 .005 .001 .005 .005 .001 .005 .005 .001 .005 .005 .001	1.062	.521	.005010	1.064	.865	.010020	1.075	.694	.050060	1.084	.871	.005010	1.095	.625	.010020	1.100	.380	.005010
1,062 .584 .062090 .085085 .085005010 .085085 .085080 .005010 .085080 .005010 .085081 .005010 .1.082085 .085005010 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .085080 .080080 .085000 .085000 .085000 .085000 .085000 .085000 .085000 .085000 .086000 .086000 .086000 .086000 .080000 .080000 .080000	1.062	.531	.100125	1.064	.945	.030040	1.075	.804	.005010	1.084	.926	.005010	1.095	.655	.042062	1.100	.398	.050070
1.062 .580 .055010 1.065 .395 .062083 1.075 .834 .005020 1.085 .283 .050075 .1095 .755 .040050 1.100 .439 .005017 1.085 .287 .070090 1.095 .750 .060080 .1100 .442 .005014 .005014 .005016 .005014 .005014 .005016 .005016 .005016 .005010 .1062 .635 .100156 .105031 .015030 .105031 .015030 .105031 .015030 .105031 .105031 .105031 .105031 .105031 .105031 .105031 .1095040 .1100 .452 .005010 .1095040 .1000 .478 .005011 .105031 .105031 .1095040 .1100 .478 .050011 .105031 .1010 .452 .005010 .1095031 .005075 .1100 .452 .005010 .1005010 .005010 .0050	1.062	.537	.005105	1.064	.951	.015030	1.075	.810	.005010	1.084	.927	.010020	1.095	.700	.060090	1.100	.416	.015030
1,062 .625 .020030 1,065 .434 .005010 1,076 .036 .056076 .048062 1,065076 .044 .005010 1,076030 .100056 .044 .005010 .075090 1,085070 .008 .015030 1,100030 .100156 1,065056 .510 .015036 1,076038 .005010 1,085050 .005010 1,085030 .100080 .015030 1,006080 .015030 1,006080 1,065626 .010020 1,076088 .083104 .1085722 .005010 1,095015 .100020 1,062075090 1,065634 .075090 1,076515 .015032 1,085075090 1,065634 .075090 1,076515 .015032 1,055075090 1,066634 .075090 1,076535 .005001 1,066537060080 1,076535000010 1,076537060080 .080081010 .080080090 1,086643 .050030 1,086034 .075000080 .080083000 <td>1.062</td> <td>.564</td> <td>.062090</td> <td>1.065</td> <td>.165</td> <td>.025040</td> <td>1.075</td> <td>.814</td> <td>.005010</td> <td>1.085</td> <td>.245</td> <td>.030050</td> <td>1.095</td> <td>.749</td> <td>.040060</td> <td>1.100</td> <td>.426</td> <td>.157187</td>	1.062	.564	.062090	1.065	.165	.025040	1.075	.814	.005010	1.085	.245	.030050	1.095	.749	.040060	1.100	.426	.157187
1.062 6.62 0.48062 1.065 .444 .005010 1.076 .367 .075090 1.085 .572 .070090 1.095 .808 .015030 1.100 .452 .05501 1.062 .638 .050070 1.065 .562 .015036 1.076 .499 .015030 .005010 1.095 .813 .105135 1.100 .478 .005010 1.062 .663 .050070 1.065 .626 .156187 1.076 .598 .083014 1.085 .722 .005010 1.095 .818 .050075 1.100 .485 .01002 1.066 .687 .075090 1.065 .535 .060080 1.085 .742 .050010 1.095 .818 .050075 1.100 .485 .010026 .075090 .066 .075090 .006 .006000 .005010 .006000 .005010 .006000 .005010 .006001 .006001	1.062	.580	.005010	1.065	.395	.062083	1.075	.834		1.085	.283	.050075	1.095	.755	.040050	1.100	.439	.005010
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$.005020
1.062 6.48 0.50 - 0.70 1.065 5.62 0.10 - 0.20 1.076 4.99 0.15 - 0.30 1.085 7.42 0.05 - 0.10 1.095 8.18 0.50 - 0.75 1.100 4.78 0.05 - 0.10 1.062 6.56 0.75 - 0.90 1.065 6.26 1.56 - 1.87 1.076 5.05 0.08 0.08 - 0.104 1.085 7.49 0.50 - 0.70 1.095 8.18 0.50 - 0.75 0.05 - 0.10 1.100 4.78 0.05 - 0.10 1.062 6.57 0.75 - 0.90 1.065 6.34 0.75 - 0.90 1.076 5.15 0.15 - 0.25 1.085 1.022 0.05 - 0.10 1.095 9.06 0.05 - 0.10 1.100 5.00 0.05 - 0.10 1.062 6.57 0.75 - 0.90 1.065 6.57 0.05 - 0.10 1.076 5.35 0.60 - 0.80 1.086 6.43 0.50 - 0.30 1.096 3.75 0.30 - 0.80 1.100 5.02 0.05 - 0.10 1.062 6.57 0.05 - 0.10 1.076 5.37 0.05 - 0.10 1.076 6.43 0.75 - 0.90 1.086 8.20 0.10 - 0.20 1.096 3.78 0.50 - 0.83 1.000 0.75 1.100 5.04 0.05 - 0.05 0.10 0.62 7.21 0.50 - 0.70 1.065 7.60 0.10 - 0.20 1.076 6.43 0.75 - 0.90 1.086 9.15 0.20 - 0.35 1.096 4.41 0.60 - 0.75 1.100 5.04 0.05 - 0.05 0.05 - 0.10 0.05 0.05																		.005010
1.062 .642 .060080 1.065 .626 .156187 1.076 .508 .083104 1.085 .749 .050070 1.095 .818 .050075 1.100 .485 .01002 1.062 .657 .075090 1.065 .634 .075090 1.076 .515 .015025 1.082 .050010 1.095 .906 .000 .000 .005010 .000000 .005010 .000000 .005010 .005010 .005010 .005010 .006000 .0060																		.050125
1.062 6.66 0.75090 1.065 6.84 .075090 1.076 .515 .015025 1.085 1.022 .005010 1.095 .005010 1.100 .500 .005011 1.062 .687 .100187 1.065 .697 .030040 1.076 .537 .060080 1.086 .692 .010020 1.096 .398 .050033 1.100 .503 .005011 1.062 .718 .015032 1.065 .760 .010020 1.076 .637 .005090 1.086 .915 .020035 1.096 .451 .060075 1.100 .504 .00502 1.062 .721 .050070 1.065 .767 .005010 .076 .915 .105012 .096 .450 .060070 .1100 .505 .005011 .1062 .757 .005010 .1076 .915 .105012 .1062 .006010 .1062 .006010 .005011 .100020																		.005010
1.062 .657 .075090 1.065 .697 .030040 1.076 .535 .060080 1.086 .643 .050030 1.096 .375 .030060 1.100 .502 .005011 1.062 .788 .010022 .1065 .780 .010020 1.086 .813 .020035 1.096 .441 .060070 1.100 .504 .005011 1.062 .721 .050070 1.065 .767 .005010 1.076 .693 .080104 1.086 .948 .032050 1.096 .441 .060070 1.100 .504 .005011 1.062 .727 .060080 1.065 .814 .042060 1.077 .380 .060080 1.087 .281 .030050 1.096 .577 .015030 1.100 .501 1.062 .755 .005015 1.065 .875 .010025 1.077 .511 .050075 .1077 .511 .050 -																		.010020
1.062 .687 .100187 1.065 .735 .005010 1.076 .537 .060090 1.086 .820 .010020 1.096 .398 .055083 1.100 .503 .005005 1.062 .721 .050070 1.065 .767 .005010 1.076 .690 .080104 1.086 .915 .020035 1.096 .441 .060070 1.100 .505 .005010 1.062 .727 .060080 1.065 .814 .042060 1.076 .915 .015025 1.087 .281 .030050 1.096 .500 .070090 1.100 .506 .005011 1.062 .755 .005015 1.065 .826 .040025 1.077 .511 .050070 1.087 .597 .005010 .1096 .577 .015030 1.100 .515 .100020 .005011 .006020 .006020 .005011 .006020 .005011 .006020																		
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1.062 .833 .025040 1.066 .634 .075100 1.078 .232 .025040 1.088 .541 .005010 1.096 .935 .050070 1.100 .607 .07510 1.062 .839 .025042 1.066 .664 .005010 1.078 .278 .010020 1.088 .840 .080100 1.096 .937 .032060 1.100 .626 .00502 1.062 .860 .010020 1.066 .725 .020030 1.078 .392 .060083 1.089 .460 .020030 1.097 .097 .005010 1.100 .627 .00501 1.062 .876 .010080 1.066 .728 .105135 1.078 .456 .005010 1.089 .687 .110130 1.097 .598 .170190 .1100 .629 .01002 1.062 .930 .005010 1.066 .766 .030060 1.078 .574																		
1.062 .839 .025042 1.066 .664 .005010 1.078 .278 .010020 1.088 .840 .080100 1.096 .937 .032060 1.100 .626 .00502 1.062 .860 .010020 1.066 .725 .020030 1.078 .392 .060083 1.089 .460 .020030 1.097 .079 .005010 1.100 .627 .00501 1.062 .876 .010080 1.066 .728 .105135 1.078 .456 .005010 1.089 .687 .110130 1.097 .598 .170190 1.100 .629 .01002 1.062 .877 .020040 1.066 .766 .030060 1.078 .523 .040060 1.089 .843 .050070 1.097 .627 .070090 1.100 .630 .00501 1.062 .962 .010030 1.066 .874 .030050 1.078 .580																		
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1.062 .877 .020040 1.066 .766 .030060 1.078 .523 .040060 1.089 .843 .050070 1.097 .627 .070090 1.100 .630 .005010 1.062 .930 .005010 1.066 .873 .030050 1.078 .574 .020040 1.089 .875 .042060 1.097 .638 .030050 1.100 .632 .01007 1.062 .962 .010030 1.066 .874 .030050 1.078 .580 .040060 1.090 .120 .020030 1.097 .782 .005010 1.100 .635 .005011 1.062 .963 .010020 1.066 .967 .005010 1.078 .593 .050075 1.090 .245 .005010 1.097 .797 .005010 1.100 .641 .13515 1.062 .985 .020030 1.067 .213 .030050 1.078 .616 .005010 1.090 .314 .025036 1.097 .872																		
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	1.062	1.025	.005010	1.067	.440	.010 c00.	1.078	.044	.005010	1.090	.340	.010020	1.097	.0/3	.010 600.	1.100	.0/5	.070090

								BUKER	2 IVIE	IAL	WASHER		FLAI	AND I	JIVIBL		BURKED
O.D.	10	Choose Any	0.0	10	Choose Any	O.D.	I.D.	Choose Any	0.0	10	Choose Any	0.0	10	Choose Any	O.D.		Choose Any
O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To
1.100	.693	.005010	1.102	.827	.010020	1.110	.097	.045060	1.115	.818	.100125	1.120	.573	.005050	1.122	1.024	.015025
1.100	.695	.030040	1.102	.835	.020040	1.110	.228	.030042	1.115	.875	.030050	1.120	.578	.040060	1.123	.208	.008016
1.100	.696	.020040	1.102	.849	.070090	1.110	.238	.018038	1.115	.876	.050075	1.120	.591	.050060	1.123	.314	.050075
1.100	.700	.040060	1.102	.854	.005010	1.110	.282	.015030	1.115	.930	.030040	1.120	.601	.060080	1.123	.344	.005010
1.100	.716	.005020	1.102	.866	.050060	1.110	.326	.050070	1.116	.163	.010030	1.120	.603	.010050	1.123	.385	.005010
1.100	.718	.105135	1.102	.948	.005010	1.110	.467	.020040	1.116	.381	.020030	1.120	.620	.120156	1.123	.399	.010020
1.100	.751	.005010	1.103	.316	.005010	1.110	.517	.005010	1.116	.547	.050075	1.120	.625	.010020	1.123	.405	.080105
1.100	.755	.010020	1.103	.395	.005020	1.110	.607	.080105	1.116	.688	.005010	1.120	.628	.005010	1.123	.409	.156187
1.100	.765	.030050	1.103	.396	.080100	1.110	.626	.005010	1.116	.757	.010020	1.120	.640	.016025	1.123	.417	.020030
1.100	.770	.010020	1.103	.397	.010020	1.110	.684	.060080	1.116	.782	.010015	1.120	.644	.100125	1.123	.501	.005010
1.100	.775	.032042	1.103	.398	.005020	1.110	.690	.030050	1.116	.786	.005010	1.120	.646	.030050	1.123	.503	.010110
1.100	.781	.040060	1.103	.473	.005010	1.110	.700	.100120	1.116	.809	.030060	1.120	.668	.090120	1.123	.516	.125156
1.100	.782	.020040	1.103	.502	.010020	1.110	.710	.005010	1.116	.816	.005016	1.120	.669	.015025	1.123	.524	.005010
1.100	.794	.005080	1.103	.554	.005010	1.110	.725	.030040	1.116	.862	.015030	1.120	.688	.048062	1.123	.528	.080100
1.100	.797	.015035	1.103	.560	.015030	1.110	.760	.005008	1.116	.868	.062083	1.120	.746	.005015	1.123	.534	.156187
1.100	.827	.125135	1.103	.632	.075095	1.110	.780	.020035	1.116	.879	.005010	1.120	.750	.005010	1.123	.632	.090110
1.100	.858	.010020	1.103	.638	.005010	1.110	.805	.015030	1.116	.883	.016025	1.120	.753	.030050	1.123	.636	.005010
1.100	.863	.030042	1.103	.692	.030050	1.110	.834	.080105	1.116	1.002	.005010	1.120	.755	.175200	1.123	.691	.125156
1.100	.875	.005010	1.103	.811	.005010	1.110	.835	.005010	1.117	.159	.105125	1.120	.760	.015032	1.123	.696	.040060
1.100	.877	.025040	1.103	.820	.015030	1.110	.868	.005010	1.117	.340	.005015	1.120	.761	.080080	1.123	.703	.040060
1.100	.882	.030040	1.103	.827	.020040	1.110	.875	.050075	1.117	.372	.050075	1.120	.765	.005012	1.123	.750	.005010
1.100	.889	.015030	1.103	.845	.060080	1.110	.880	.042130	1.117	.392	.050070	1.120	.779	.025042	1.123	.765	.020040
1.100	.905	.040060	1.103	.857	.010020	1.110	.893	.083105	1.117	.410	.156187	1.120	.780	.100125	1.123	.770	.005010
1.100	.926	.010020	1.103	.886	.010020	1.110	.940	.005010	1.117	.566	.025040	1.120	.800	.040050	1.123	.784	.040060
1.100	.941	.015050	1.103	.947	.015030	1.110	.965	.042062	1.117	.620	.100125	1.120	.811	.030050	1.123	.807	.005010
1.100	.952	.010020	1.104	.097	.060090		1.006	.010020	1.117	.750	.100125	1.120	.816	.060080	1.123	.815	.030060
1.100	.961	.005010	1.104	.396	.060070		1.011	.005010	1.117	.756	.050060	1.120	.832	.015030	1.123	.853	.005010
1.100	.965	.030050	1.104	.496	.005010	1.111	.391	.050070	1.117	.758	.135156	1.120	.870	.040060	1.123	.880	.030050
1.100	.987	.005035	1.104	.552	.110130	1.111	.556	.040060	1.117	.760	.020040	1.120	.880	.020030	1.123	.884	.090105
1.100	.992	.030050	1.104	.633	.110130	1.111	.567	.105125	1.117	.813	.062083	1.120	.882	.060083	1.123	.890	.080090
1.100	.994	.030050	1.104	.670	.080105	1.111	.711	.020030	1.117	.889	.010020	1.120	.890	.060090	1.123	.893	.020030
1.100	1.000	.005010	1.104	.752	.050075	1.111	.751	.005010	1.117	.896	.015030	1.120	.920	.010020	1.123	.908	.005030
1.100	1.007	.010020	1.104	.826	.005010	1.111	.775	.100125	1.117	.929	.042062	1.120	.945	.015030	1.123	.966	.015025
1.100	1.010	.005020	1.104	.945	.010020	1.112	.246	.060090	1.117	.930	.050075	1.120	.997	.005010	1.123	.999	.040060
1.101	.075	.005010	1.105	.126	.005010	1.112	.288	.070090	1.117	.954	.060080	1.120	1.020	.005010	1.123	1.013	.005040
1.101	.255	.110130	1.105	.252	.060078	1.112	.312	.060090	1.117	1.010	.030050	1.121	.160	.010020	1.123	1.072	.005010
1.101	.275	.060070	1.105	.360	.100134	1.112	.313	.080100	1.118	.138	.090110	1.121	.260	.005010	1.124	.188	.100125
1.101	.316	.020030	1.105	.496	.030050	1.112	.413	.070090	1.118	.506	.060075	1.121	.275	.060070	1.124	.199	.010020
1.101	.317	.005010	1.105	.592	.030050	1.112	.421	.025040	1.118	.679	.025040	1.121	.344	.005010	1.124	.251	.010020
1.101	.354	.005010	1.105	.635	.010020	1.112	.478	.050075	1.118	.754	.010020	1.121	.386	.050070	1.124	.265	.005010
1.101	.356	.015030	1.105	.640	.010020	1.112	.500	.060090	1.118	.768	.005010	1.121	.472	.030040	1.124	.273	.005010
1.101	.444	.010020	1.105	.703	.080090	1.112	.538	.070090	1.118	.802	.005010	1.121	.491	.080100	1.124	.317	.050090
1.101	.473	.005010	1.105	.749	.030070	1.112	.562	.015030	1.118	.823	.110130	1.121	.511	.050070	1.124	.319	.020040
1.101	.502	.010020	1.105	.756	.030050	1.112	.636	.020060	1.118	.940	.005010	1.121	.531	.105125	1.124	.330	.005010
1.101	.505	.015025	1.105	.765	.050070	1.112	.663	.070090	1.118	1.000	.040060	1.121	.609	.134156	1.124	.437	.060080
1.101	.630	.020040	1.105	.881	.070090	1.112	.760	.060090	1.118	1.001	.050060	1.121	.628	.040060	1.124	.469	.015030
1.101	.719	.025040	1.105	.886	.020030	1.112	.776	.020040	1.119	.323	.050075	1.121	.644	.100125	1.124	.500	.005010
1.101	.788	.005010	1.105	.900	.005010	1.112	.890	.030050	1.119	.403	.005010	1.121	.664	.105125	1.124	.502	.005010
1.101	.876	.090110	1.105	.916	.005010	1.112	.893	.090120	1.119	.450	.030050	1.121	.699	.005010	1.124	.509	.100125
1.102	.070	.005010	1.105	.954	.005010	1.112	1.017	.020040	1.119	.602	.030050	1.121	.720	.005010	1.124	.519	.005010
1.102	.237	.005010	1.105	.960	.105120	1.113	.330	.156190	1.119	.628	.080104	1.121	.721	.010020	1.124	.562	.105135
1.102	.239	.005010	1.106	.317	.015030	1.113	.500	.060090	1.119	.658	.060080	1.121	.761	.020040	1.124	.563	.010020
1.102	.245	.050060	1.106	.633	.078105	1.113	.757	.015025	1.119	.678	.030040	1.121	.770	.050070	1.124	.592	.005010
1.102	.251	.025040	1.106	.656	.060090	1.113	.760	.060090	1.119	.851	.030050	1.121	.871	.020030	1.124	.607	.100120
1.102	.276	.180190	1.106	.782	.020040	1.113	.879	.020040	1.119	.880	.080100	1.121	.878	.005010	1.124	.627	.005010
1.102	.305	.005010	1.106	.790	.040060	1.113	.888	.010020	1.119	.885	.040060	1.121	.880	.005010	1.124	.629	.080100
1.102	.320	.005020	1.107	.691	.080100	1.113	.910	.042060	1.119	.918	.075090	1.121	.925	.005010	1.124	.632	.060080
1.102	.334	.005010	1.107	.892	.040060	1.113	.940	.010020	1.119	.921	.025042	1.121	.998	.020040	1.124	.634	.135156
1.102	.335	.080090	1.107	.912	.030050	1.113	.943	.025040	1.119	.926	.050070	1.122	.195	.005010	1.124	.639	.030050
1.102	.394	.005020	1.107	.955	.020030	1.113		.020030	1.119		.005010	1.122	.329	.030040	1.124	.663	.015030
1.102	.395	.005025	1.107	.983	.010020	1.114	.186	.005010	1.120	.100	.050074	1.122	.383	.030050	1.124	.687	.040060
1.102	.396	.005010	1.108	.407	.050070	1.114	.209	.005010	1.120	.132	.015025	1.122	.441	.010020	1.124	.693	.005010
1.102	.401	.005010	1.108	.525	.005015	1.114	.312	.090125	1.120	.158	.005012	1.122	.442	.007016	1.124	.704	.025040
1.102	.473	.005010	1.108	.563	.005010	1.114	.436	.150180	1.120	.160	.030042	1.122	.468	.015030	1.124	.750	.005010
1.102	.474	.005010	1.108	.636	.050070	1.114	.551	.170180	1.120	.220	.104134	1.122	.505	.030125	1.124	.753	.110130
1.102	.476	.005020	1.108	.714	.060075	1.114	.665	.010020	1.120	.255	.100125	1.122	.510	.090105	1.124	.755	.110130
1.102	.477	.005010	1.108	.778	.030050	1.114	.749	.005010	1.120	.313	.062075	1.122	.531	.125156	1.124	.789	.015030
1.102	.511	.160190	1.108	.786	.015030	1.115	.204	.005010	1.120	.359	.090110	1.122	.595	.015030	1.124	.794	.020030
1.102	.541	.015030	1.108	.801	.030040	1.115	.224	.005010	1.120	.380	.025040	1.122	.627	.020040	1.124	.860	.104125
1.102	.564	.100120	1.108	.832	.005010	1.115	.256	.015030	1.120	.390	.020125	1.122	.629	.050070	1.124	.870	.020030
1.102	.590	.090105	1.108	.844	.050070	1.115	.500	.075090	1.120	.391	.005075	1.122	.750	.005015	1.124	.879	.005010
1.102	.598	.030050	1.109	.318	.010020	1.115	.642	.005010	1.120	.420	.040060	1.122	.755	.050070	1.124	.891	.030060
1.102	.632	.005020	1.109	.488	.005010	1.115	.644	.015030	1.120	.439	.050075	1.122	.758	.010020	1.124	.905	.005010
1.102	.666	.040060	1.109	.504	.030050	1.115	.645	.005010	1.120	.450	.100125	1.122	.771	.020040	1.124	.914	.060080
1.102	.667	.040060	1.109	.506	.025040	1.115	.663	.005010	1.120	.472	.100125	1.122	.877	.050070	1.124	.916	.005010
1.102	.670	.030050	1.109	.556	.020030	1.115	.664	.005010	1.120	.496	.040060	1.122	.889	.020035	1.124	.961	.040060
1.102	.689	.050070	1.109	.830	.005010	1.115	.700	.030050	1.120	.500	.060080	1.122	.890	.005010	1.124	.967	.005010
1.102	.766	.005010	1.109	.835	.010020	1.115	.760	.005010	1.120	.507	.008016	1.122	.891	.005010	1.124		.005010
1.102	.771	.040060	1.109	.917	.040050	1.115	.780	.050070	1.120	.512	.005015	1.122	.893	.015030	1.125	.080	.050075
1.102	.787	.060080	1.110	.094	.005010	1.115	.807	.005010	1.120	.522	.100125	1.122		.015025	1.125	.125	.040060

No. Processing																		
1.25	0.0	LD		0.0	1.0	Choose Any	0.0	1.0		0.0	10		0.0	I D		0.0	1.0	Choose Any
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1.422 1.626 1.625	1.125	.131	.010025	1.125	.654	.050075	1.127	.885	.080100	1.138	.738	.025050	1.146	1.010	.005020	1.154	.877	.005010
1.782 166	1.125	.155	.060083	1.125	.656	.036125	1.127	.931	.050070	1.138	.781	.062083	1.146	1.035	.010020	1.154	.921	.020040
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1.125 .630 .020040 1.127 .531 .060083 1.137 .953 .030050 1.145 .856 .005010 1.154 .710 .005010 1.164 .351 .005010 1.125 .632 .090105 1.127 .626 .005080 1.138 .126 .025040 1.145 .896 .030060 1.154 .787 .090100 1.164 .787 .083120 1.125 .638 .010020 1.127 .643 .015025 1.138 .568 .070090 1.145 1.006 .030050 1.154 .803 .030050 1.164 .801 .060080 1.125 .640 .156187 1.127 .695 .012018 1.138 .570 .025040 1.146 .289 .015030 1.154 .856 .025040 1.164 .802 .040060																		
1.125 .632 .090105 1.127 .626 .005080 1.138 .126 .025040 1.145 .896 .030060 1.154 .787 .090100 1.164 .787 .083120 1.125 .638 .010020 1.127 .643 .015025 1.138 .568 .070090 1.145 1.006 .030050 1.154 .803 .030050 1.164 .801 .060080 1.125 .640 .156187 1.127 .695 .012018 1.138 .570 .025040 1.146 .289 .015030 1.154 .856 .025040 1.164 .802 .040060																		
1.125 .638 .010020 1.127 .643 .015025 1.138 .568 .070090 1.145 1.006 .030050 1.154 .803 .030050 1.164 .801 .060080 1.125 .640 .156187 1.127 .695 .012018 1.138 .570 .025040 1.146 .289 .015030 1.154 .856 .025040 1.164 .802 .040060																		
1.125 .640 .156187 1.127 .695 .012018 1.138 .570 .025040 1.146 .289 .015030 1.154 .856 .025040 1.164 .802 .040060																		

								BUKER	2 INE	IAL	WASHER	O AI IL	FLAI	AND I	JIVIBL	E DE	BURKED
0.5		Choose Any	0.5		Choose Any	0.0		Choose Any			Choose Any			Choose Any			Choose Any
O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*
1.165	.315	.070090	1.173	.413	.156190	1.179	.381	.170190	1.181	.512	.105125	1.185	.755	.030050	1.188	.530	.048075
1.165	.735	.010020	1.173	.600	.090105	1.179	.473	.010020	1.181	.518	.135156	1.185	.768	.005010	1.188	.563	.005075
1.165	.781	.070090	1.173	.710	.005010	1.179	.502	.005010	1.181	.531	.010020	1.185	.783	.050125	1.188	.621	.080100
1.165		.005015	1.173	.722	.005010	1.179	.569	.030060	1.181	.552	.105125	1.185	.875	.050083	1.188	.623	.040060
1.165		.005010	1.173	.804	.030050	1.179	.632	.010020	1.181	.560	.100125	1.185	.880	.012025	1.188	.626	.105125
1.165		.005010	1.173	.851	.025040	1.179	.641	.050070	1.181	.577	.070090	1.185	.908	.005020	1.188	.656	.025040
1.165		.005010	1.173	.891	.020030	1.179	.648	.015030	1.181	.607	.005015	1.185	.940	.030062	1.188	.688	.040060
1.166	.689	.010020	1.173	.940	.070090	1.179	.687	.030060	1.181	.627	.020040	1.185	.973	.005010	1.188	.720	.030050
1.166	.957	.025035	1.173	.998	.020030	1.179	.721	.060080	1.181	.628	.020040	1.185	.990	.080104	1.188	.759	.156187
	.990	.060080	1.173	.207		1.179	.829	.030060		.640	.023003		1.024		1.188	.763	
1.167	.194	.020030	1.174	.261	.100125	1.179	.874		1.181	.649	.160190		1.048	.040060	1.188	.765	.005105
1.168	.229	.020030	1.174	.419	.090105	1.179	.875	.005010 .005010	1.181	.669	.070090		1.046	.015030	1.188	.799	.050070
1.168	.458	.020040	1.174	.876	.030050	1.179	.911	.040062	1.181	.696	.010020	1.186	.189	.105125	1.188	.880	.005160
1.168	.600	.135156	1.174	.891	.060080	1.179	.914	.035050	1.181	.708	.010020	1.186	.378	.105125	1.188	.920	.010020
1.168	.697	.025040	1.174	.921	.020040	1.179	.931	.035050	1.181	.708	.135160	1.186	.437	.010100	1.188	.920	.040060
1.168	.704	.135156	1.174	.963	.020040	1.179	.936	.040060	1.181	.801	.005010	1.186	.506	.060090	1.188	.940	.040000
	.750						.996									1.000	
1.168		.005010	1.175	.054	.020040	1.179		.040060	1.181	.802	.025040	1.186	.559	.090125			.062089
1.168	.843	.005010	1.175	.063	.020032		1.015	.025040	1.181	.829	.025040	1.186	.685	.020040		1.001	.005010
1.168	.922	.005010	1.175	.260	.090125		1.041	.020040	1.181	.877	.040060	1.186	.710	.020040		1.010	.015025
1.168	.985	.005020	1.175	.438	.015030	1.180	.140	.016032	1.181	.885	.040050	1.186	.740	.040060		1.038	.025040
1.168	.996	.005015	1.175	.514	.020035	1.180	.156	.060080	1.181	.891	.060070	1.186	.781	.005010	1.189	.140	.015030
	1.000	.005010	1.175	.625	.010020	1.180	.238	.005010	1.181	.943	.030080	1.186	.826	.010020	1.189	.309	.025040
1.169	.126	.010025	1.175	.715	.010020	1.180	.239	.105125	1.181	.945	.010025	1.186	.852	.050070	1.189	.346	.030050
1.169	.390	.060083	1.175	.716	.005010	1.180	.251	.156187	1.181	.950	.005010	1.186	.975	.010030	1.189	.380	.110130
1.169	.410	.070090	1.175	.726	.005010	1.180	.315	.025040	1.181	.965	.012040		1.015	.025040	1.189	.627	.160190
1.169	.419	.090125	1.175	.750	.005010	1.180	.317	.090110		1.000	.010030		1.016	.030050	1.189	.751	.040060
1.169	.691	.090110	1.175	.814	.020040	1.180	.319	.005010		1.020	.005010		1.063	.015030	1.189	.798	.005010
1.169	.698	.030050	1.175	.840	.005010	1.180	.331	.140160	1.182	.315	.005010	1.187	.142	.005030	1.189	.828	.005010
1.169	.796	.020040	1.175	.868	.005010	1.180	.354	.010020	1.182	.316	.010020	1.187	.156	.050062	1.189	.999	.010020
1.169	.878	.080100	1.175	.877	.050070	1.180	.357	.150170	1.182	.317	.005020	1.187	.212	.040062	1.189	1.032	.005010
1.169	.880	.040060	1.175	.905	.030050	1.180	.383	.048075	1.182	.395	.010020	1.187	.283	.080104	1.190	.128	.030050
1.169	.883	.005010	1.175	.910	.005010	1.180	.398	.005020	1.182	.398	.005010	1.187	.313	.010025	1.190	.250	.100125
1.169	.995	.005010	1.175	.925	.020030	1.180	.409	.005010	1.182	.429	.060070	1.187	.374	.042062	1.190	.265	.062090
1.169		.010020	1.175	.947	.015030	1.180	.438	.050070	1.182	.506	.005020	1.187	.378	.005010	1.190	.317	.100125
	1.590	.015030	1.175	.985	.080100	1.180	.472	.005010	1.182	.550	.050060	1.187	.390	.134187	1.190	.392	.090110
1.170	.224	.005010	1.175	.999	.015020	1.180	.474	.005010	1.182	.558	.080100	1.187	.404	.020040	1.190	.410	.010020
1.170	.256	.020030	1.175		.005010	1.180	.475	.005010	1.182	.561	.030050	1.187	.477	.100125	1.190	.500	.032050
1.170	.378	.005020	1.175		.010020	1.180	.476	.025040	1.182	.635	.100125	1.187	.512	.060080	1.190	.531	.050070
1.170	.440	.090105	1.176	.127	.025040	1.180	.485	.010020	1.182	.714	.048062	1.187	.516	.065080	1.190	.543	.060080
1.170	.524	.005010	1.176	.371	.040060	1.180	.499	.015025	1.182	.750	.090120	1.187	.519	.010020	1.190	.564	.020035
1.170	.611	.020040	1.176	.439	.005010	1.180	.512	.005010	1.182	.752	.100125	1.187	.550	.025040	1.190	.626	.025070
1.170	.675	.032050	1.176	.443	.005020	1.180	.521	.070090	1.182	.753	.005010	1.187	.594	.080100	1.190	.656	.110120
1.170	.710	.005010	1.176	.500	.070090	1.180	.540	.015025	1.182	.801	.010020	1.187	.625	.030050	1.190	.738	.050070
1.170	.758	.050070	1.176	.506	.005010	1.180	.563	.010020	1.182	.867	.010020	1.187	.632	.006020	1.190	.752	.042060
1.170	.793	.030050	1.176	.589	.020030	1.180	.635	.040060	1.182	.879	.060080	1.187	.636	.115135	1.190	.753	.015040
1.170	.815	.005010	1.176	.625	.040105	1.180	.638	.005010	1.182	.906	.005010	1.187	.640	.040060	1.190	.787	.080104
1.170	.860	.020040	1.176	.682	.005010	1.180	.671	.150170	1.182	.960	.005010	1.187	.656	.048062	1.190	.817	.048062
1.170	.870	.010020	1.176	.756	.030050	1.180	.694	.080104	1.182	.993	.005010	1.187	.660	.005010	1.190	.830	.040125
1.170	.880	.030050	1.176	.891	.110130	1.180	.714	.120135	1.183	.405	.010020	1.187	.674	.090120	1.190	.881	.025040
1.170	.919	.025040	1.177	.271	.005015	1.180	.747	.030050	1.183	.485	.110130	1.187	.686	.060075	1.190	.890	.050060
1.170	.920	.005010	1.177	.445	.005030	1.180	.773	.015030	1.183	.771	.060080	1.187	.687	.050083	1.190	.918	.010020
1.170	.936	.010025	1.177	.525	.010020	1.180	.787	.010020	1.183	.807	.006015	1.187	.688	.060080	1.190		.030040
1.170	.985	.040062	1.177	.759	.050070	1.180	.788	.090105	1.183	.810	.105125	1.187	.753	.050060	1.190		.005010
1.170		.020032	1.177	.782	.005010	1.180	.789	.010050	1.183	.933	.070090	1.187	.755	.020040	1.191	.341	.010020
1.170		.005020	1.177	.790	.030050	1.180	.793	.105125	1.183		.040060	1.187	.757	.100125	1.191	.459	.010020
1.171	.259	.010015	1.177	.823	.093125	1.180	.808	.020040	1.184	.127	.060083	1.187	.765	.025083	1.191	.460	.020040
1.171	.659	.025040	1.177	.865	.062090	1.180	.887	.060080	1.184	.325	.050060	1.187	.812	.062083	1.191	.560	.170190
1.171	.778	.040060	1.177	.875	.025040	1.180	.890	.010020	1.184	.585	.010020	1.187	.823	.032120	1.191	.646	.005010
1.171	.853	.050070	1.177	.878	.105135	1.180	.895	.005010	1.184	.626	.050074	1.187	.825	.005010	1.191	.731	.030050
1.171	.965	.070090	1.177	.883	.105120	1.180	.903	.005010	1.184	.635	.062083	1.187	.874	.010020	1.191	.882	.005010
1.171		.060080	1.177	.893	.005010	1.180	.947	.010020	1.184	.730	.025040	1.187	.880	.010020	1.191	.900	.070090
1.171		.005010	1.177	.911	.050070	1.180	.981	.005010	1.184	.753	.005010	1.187	.881	.005010	1.191	.934	.050075
1.171		.005010	1.177	.928	.040060	1.180	.995	.005040	1.184	.807	.005010	1.187	.882	.010025	1.192	.739	.030050
1.172	.190	.040060	1.177	.936	.005010	1.180		.040060	1.184	.995	.005010	1.187	.944	.005010	1.192	.778	.040060
1.172	.356	.090110	1.177	.954	.060080	1.180		.005010	1.184		.005010	1.187	.954	.005010	1.192		.015025
1.172	.473	.120135	1.177	.989	.070090	1.181	.239	.005010	1.185	.089	.060090	1.187		.005012	1.192		.020040
1.172	.523	.005010	1.177	.990	.025040	1.181	.252	.005010	1.185	.252	.040060	1.187		.050060	1.193	.088	.005010
1.172	.600	.050187	1.177	.992	.005010	1.181	.265	.030050	1.185	.313	.100125	1.187		.005010	1.193	.159	.005010
1.172	.628	.040060	1.177		.005010	1.181	.326	.005010	1.185	.315	.050075	1.187		.005010	1.193	.282	.050060
1.172	.632	.030040	1.178	.380	.090125	1.181	.335	.060078	1.185	.328	.100125	1.188	.094	.020030	1.193	.445	.060078
1.172	.694	.050075	1.178	.395	.100125	1.181	.379	.005010	1.185	.365	.075125	1.188	.128	.020035	1.193	.640	.040060
1.172	.800	.010020	1.178	.442	.060080	1.181	.394	.015030	1.185	.375	.100125	1.188	.195	.040062	1.193	.940	.060080
1.172	.816	.050075	1.178	.631	.005020	1.181	.395	.005060	1.185	.435	.100125	1.188	.240	.050070	1.193		.010020
1.172	.819	.005010	1.178	.636	.005010	1.181	.396	.080100	1.185	.437	.060080	1.188	.254	.050070	1.194	.760	.050070
1.172	.897	.030050	1.178	.663	.090110	1.181	.414	.090105	1.185	.568	.005010	1.188	.310	.050070	1.194	.932	.030050
1.172	.917	.080090	1.178	.709	.005010	1.181	.472	.010020	1.185	.609	.030040	1.188	.312	.005010	1.194		.050070
1.172	.958	.050062	1.178	.753	.015030	1.181	.473	.005010	1.185	.645	.010040	1.188	.326	.062083	1.194		.005010
1.172		.050075	1.178	.820	.005010	1.181	.474	.005010	1.185	.700	.005015	1.188	.439	.060080	1.194		.060080
1.173	.063	.015025	1.178		.020040	1.181	.477	.005010	1.185	.709	.100125	1.188	.508	.020040	1.194		.005010
1.173	.412	.130150	1.179	.170	.010020	1.181	.482	.030060	1.185	.753	.005010	1.188	.515	.040060	1.194	1.073	.005010

									110	100	LING OII	AIIGE	- 1 011	AITIOI		DIZEC	LIGILD
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
O.D.	1.D.	From To	O.D.	1.D.	From To	O.D.	1.D.	From To	O.D.	1.0.	Thickness* From To	O.D.	1.0.	From To	O.D.	1.D.	From To
1.195	.057	.005010	1.200	.520	.050070	1.211	1.005	.005010	1.220	.875	.062090	1.230	.985	.010020	1.240	.720	.020040
1.195	.252	.005010	1.200	.562	.005020	1.211	1.035	.010020	1.220	.960	.050083		1.005	.030050	1.240	.749	.010020
1.195	.312	.005010	1.200	.570	.080100	1.212	.994	.030050	1.220	1.004	.010020	1.230	1.053	.020040	1.240	.812	.025040
1.195	.379	.040050	1.200	.600	.105125	1.212	.997	.015030	1.220	1.083	.005010	1.230	1.080	.005010	1.240	.814	.005010
1.195	.575	.120135	1.200	.626	.005020	1.212	1.015	.020040	1.220	1.090	.042062	1.231	.625	.060080	1.240	.851	.030050
1.195	.641	.040060	1.200	.629	.010020	1.212	1.016	.020040	1.220	1.116	.040050	1.231	.915	.010020	1.240	.875	.030125
1.195	.692	.008020	1.200	.642	.015030	1.212	1.042	.070090	1.221	.131	.015030	1.231	1.048	.005010	1.240	.937	.090105
1.195	.730	.030050	1.200	.650	.025042	1.213	.894	.005020	1.221	.194	.020040	1.232	.185	.015030	1.240	.938	.020040
1.195	.795	.050070	1.200	.751	.030050	1.213	1.074	.015025	1.221	.257	.040060	1.232	.500	.005010	1.240	.960	.025040
1.195	.865	.015030	1.200	.755	.010020	1.214	.569	.050070	1.221	.867	.020040	1.232	.661	.040060	1.240	1.015	.025070
1.195	.872	.005010	1.200	.760	.020040	1.214	.860	.030050	1.221	.899	.025040	1.232	.751	.005010	1.240	1.036	.030050
1.195	.912	.010020	1.200	.761	.120135	1.214	.879	.015025	1.221	.916	.005010	1.232	.792	.120130	1.240	1.062	.010020
1.195	.915	.005010	1.200	.786	.080090	1.214	1.144	.010020	1.221	.985	.074090	1.233	1.027	.040060	1.240	1.070	.005010
1.195	.964	.032048	1.200	.796	.005010	1.215	.260	.040060	1.221	.986	.020040	1.233	1.028	.005010	1.240	1.075	.030050
1.195	.980	.005015	1.200	.817	.080105	1.215	.410	.010020	1.221	1.066	.005010	1.233	1.065	.005010	1.240	1.120	.025042
1.195	.983	.010020	1.200	.829	.005010	1.215	.474	.005010	1.221	1.094	.010020	1.233	1.131	.020030	1.241	.279	.005030
1.195	1.007	.060080	1.200	.865	.135156	1.215	.753	.030050	1.221	1.098	.035050	1.234	.087	.015030	1.241	.500	.050060
1.195	1.026	.010030	1.200	.900	.020050	1.215	.875	.062090	1.222	.194	.020040	1.234	.279	.005010	1.241	.641	.050075
1.195	1.116	.010020	1.200	.935	.005010	1.215	.906	.010020	1.222	.200	.110120	1.234	.392	.134156	1.241	.750	.030050
1.195	1.120	.015030	1.200	.952	.030040	1.216	.377	.060083	1.222	.691	.020040	1.234	.505	.070090	1.241	.761	.105125
1.196	.081	.005010	1.200	.955	.005010		1.000	.005010	1.222	.835	.020050	1.234	.849	.020040	1.241	.782	.110130
1.196	.264	.025042	1.200	.990	.005020		1.029	.070090	1.222	.877	.090110	1.234	.906	.105120	1.241	.788	.010020
1.196	.378	.005010		1.000	.005060		1.073	.005010		1.015	.005010	1.234	.950	.090110	1.241	.937	.030050
1.196	.859	.040060	1.200 1		.005020	1.217	.701	.005010		1.063	.040060		1.015	.008016	1.241	.945	.020040
1.196		.005010	1.200 1		.050070	1.217	.757	.005010		1.079	.005010		1.025	.030050	1.241	.970	.020030
	1.020	.020030	1.200		.015030	1.217	.902	.005015	1.223	.252	.110130		1.080	.020030	1.241	.994	.020030
1.197	.362	.005010		1.048	.005010	1.217	.995	.005010	1.223	.385	.100125	1.235	.500	.010020		1.063	.020035
1.197	.376	.005010		1.050	.025040	1.217	.998	.010020	1.223	.386	.060078	1.235	.626	.005020		1.110	.050070
1.197	.500	.030050		1.073	.005030	1.217		.005025	1.223	.628	.008015	1.235	.628	.040060	1.242	.436	.020030
1.197	.570	.005010	1.201	.257	.005010	1.217		.020040	1.223	.755	.025040	1.235	.631	.005010	1.242	.452	.020030
1.197	.637	.005010	1.201	.314	.030050	1.218	.277	.090125	1.223	.793	.020040	1.235	.695	.090100	1.242	.535	.090100
1.197	.880	.005010	1.201	.395	.005030	1.218	.315	.035050	1.223	.907	.015030	1.235	.732	.005010	1.242	.641	.062090
	1.120	.020035	1.201	.562	.020030	1.218	.355	.040060	1.223	.959	.020040	1.235	.766	.010020	1.242	.879	.042062
1.198	.398	.105125	1.201	.721	.050070	1.218	.380	.020060	1.223	.998	.005030	1.235	.802	.005010	1.242	.897	.015030
1.198	.441	.010020	1.201	.755	.005010	1.218	.439	.030050		1.020	.030060	1.235	.882	.005020	1.242	.944	.040060
1.198	.500	.005010	1.201	.760	.050070	1.218	.474	.005010	1.223		.010020	1.235	.945	.010020		1.000	.005010
1.198	.522	.005010	1.201	.763	.050075	1.218	.565	.042062		1.085	.005010	1.235	.962	.010020		1.021	.015030
1.198	.552	.025040	1.201	.774	.025040	1.218	.627	.005010	1.224	.754	.070090		1.007	.020040	1.243	.220	.035060
1.198	.632	.030050	1.201	.800	.015030	1.218	.758	.025035	1.224		.020040		1.010	.005020	1.243	.405	.030050
1.198	.640	.070090		1.003	.010020	1.218	.855	.060075	1.224		.040060	1.236	.131	.005010	1.243	.491	.125156
1.198	.875	.025042		1.050	.050062	1.218	.856	.060075	1.225	.120	.015030	1.236	.413	.005010	1.243	.613	.005010
1.198	.890	.025040	1.202	.439	.040060	1.218	.889	.050062	1.225	.375	.015030	1.236	.500	.005010	1.243	.614	.005010
	1.045	.020040	1.202	.793	.015030		1.038	.060080	1.225	.564	.010020	1.236	.501	.090110	1.243	.699	.005010
1.198		.010030	1.202	.937	.025040		1.076	.025040	1.225	.640	.005010	1.236	.635	.005010	1.243	.855	.070090
	1.068	.020040	1.202	.996	.025040	1.219	.268	.060080	1.225	.826	.040060	1.236	.644	.060070	1.243	.965	.090105
1.199	.187	.020040		1.057	.010020	1.219	.270	.005025	1.225	.947	.010020	1.236	.812	.020040	1.243		.005010
1.199	.379	.020040		1.065	.010020	1.219	.281	.170190	1.226	.525	.015030	1.236	.967	.020040		1.025	.030040
1.199	.503	.005010	1.203	.138	.020040	1.219	.315	.035050	1.226	.750	.135156		1.122	.005010	1.243		.015030
1.199	.510	.005030	1.203	.353	.060080	1.219	.473	.005010	1.227	.381	.005010	1.237	.867	.030050	1.243		.042060
1.199	.550	.005010	1.203	.439	.050075	1.219	.515	.050075	1.227	.777	.005010	1.237	.930	.050070	1.244	.150	.015030
1.199	.562	.015030	1.203	.502	.100125	1.219	.534	.050075	1.227	.812	.005010	1.238	.326	.040060	1.244	.543	.005010
1.199	.679	.005010	1.203	.627	.005010	1.219	.552	.005010	1.227	.966	.010020	1.238	.640	.070090	1.244	.768	.060125
1.199	.735	.050070	1.203	.793	.015030	1.219	.595	.025042	1.228	.661	.080100	1.238	.661	.020030	1.244	.770	.020083
1.199	.737	.020040	1.203	.822	.015025	1.219	.642	.005010	1.228	.926	.010020	1.238	.890	.070090	1.244	.782	.070090
1.199	.830	.040060	1.203	.961	.015025	1.219	.751	.010020	1.228		.005010	1.239	.718	.005010	1.244	.793	.005010
1.199	.985	.020030		1.004	.030050	1.219	.801	.005010	1.229	.416	.005010	1.239	.779	.020030	1.244	.801	.025040
1.199		.015030	1.203	.757	.005015	1.219	.890	.020040	1.229	.591	.040060	1.239	.879	.062083	1.244	.878	.105135
1.199		.040060		1.030	.005010	1.219	.940	.040060	1.229	.753	.020040	1.239	.885	.020030	1.244	.967	.080100
1.199		.005010	1.204	.508	.040060	1.219		.020075	1.229	.757	.020040	1.239	.950	.010020	1.244		.025040
1.200	.086	.010020	1.205	.870	.005090	1.220	.125	.015030	1.229	.785	.032050	1.239	.962	.020060	1.244		.070090
1.200	.138	.050070	1.205	.922	.015030	1.220	.123	.075030	1.229	.861	.032030	1.239		.020000	1.244		.005010
1.200	.168	.030050	1.205	.922	.025040	1.220	.258	.050070	1.229	.917	.025042	1.239	.065	.030040	1.244	.205	.005010
1.200	.186	.030030		.920 1.072	.025040	1.220	.283	.050070	1.229	.917	.025042	1.240	.127	.030040	1.245	.205	.156187
1.200	.213	.040060	1.206	.258	.050070	1.220	.263 .315	.015030	1.229	.920	.010020	1.240	.130	.040060	1.245	.340	.005010
1.200	.220	.005010	1.207	.381	.160190	1.220	.375	.003010	1.230	.145	.050070	1.240	.163	.070090	1.245	.501	.100125
1.200	.250	.080010	1.207	.707	.005010	1.220	.394	.005020	1.230	.176	.040060	1.240	.172	.010020	1.245	.527	.005010
	.250	.005020	1.207	.707	.050070	1.220	.394 .455	.012020	1.230	.201		1.240	.323	.062083	1.245	.52 <i>1</i> .528	.050070
1.200				.259					1.230		.125156						
1.200	.327	.010020	1.208 1.208	.390	.005010	1.220	.476	.005010		.378	.060080	1.240	.325	.060083	1.245	.550	.015035
1.200	.350	.005010			.010050	1.220	.504	.005125	1.230	.381	.042062	1.240	.378 380	.005020	1.245	.560 565	.005010
1.200	.376	.005020	1.209	.893	.020030	1.220	.507	.110134	1.230	.501	.050070	1.240	.380	.030048	1.245	.565	.050083
1.200	.377	.100125	1.210	.312	.015030	1.220	.564	.010020	1.230	.562	.110130	1.240	.412	.005010	1.245	.595	.080100
1.200	.378	.005125	1.210	.383	.050075	1.220	.602	.090120	1.230	.612	.050070	1.240	.451	.015030	1.245	.631	.015025
1.200	.383	.090125	1.210	.674	.050062	1.220	.640	.100125	1.230	.680	.010020	1.240	.484	.070090	1.245	.636 741	.050070
1.200	.408	.050070	1.210	.878	.005020	1.220	.672	.025042	1.230	.761	.005010	1.240	.560	.075105	1.245	.741	.015025
1.200	.443	.005020	1.210	.958	.100125	1.220	.680	.030050	1.230	.766	.050134	1.240	.581	.010020	1.245	.754	.050075
1.200	.500	.005020	1.210 1		.050075	1.220	.699	.030050	1.230	.890	.030050	1.240	.581	.030050	1.245	.756	.010020
1.200	.501	.005020	1.210 1		.005010	1.220	.799	.010020	1.230	.911	.015025	1.240	.635	.030040	1.245	.758	.040060
	.502	.005020	1.211 1.211	.201 .403	.010020 .075090	1.220 1.220	.809	.050070	1.230	.921	.025040	1.240	.661	.050105	1.245	.760	.060080
1.200	E00			411.3		1.770	.831	.060083	1.230	.925	.010030	1.240	.697	.030072	1.245	.768	.015025
1.200	.503	.005020								004	000 000	1 0 40	710	040 000	1 0 4 5	770	
	.503 .504	.005020	1.211	.751	.050075	1.220	.844	.050070	1.230	.981	.020030	1.240	.710	.040060	1.245	.773	.005010

											WASHEN						_
0.0		Choose Any	0.0		Choose Any	0.0		Choose Any	0.0		Choose Any	0.0		Choose Any	0.0		Choose Any
O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*
1.245	.788	.025040	1.248	.451	.005010	1.249	.800	.030050	1.250	.437	.010020	1.250	.798	.015030	1.251	.551	.015030
1.245	.836	.030050	1.248	.453	.005010	1.249	.812	.050070	1.250	.440	.040125	1.250	.803	.080100	1.251	.559	.105125
1.245	.852	.005010	1.248	.455	.090120	1.249	.850	.015030	1.250	.441	.005012	1.250	.808	.010020	1.251	.561	.060120
1.245	.880	.015030	1.248	.471	.005010	1.249	.905	.015030	1.250	.442	.040060	1.250	.812	.010104	1.251	.574	.010020
1.245	.887	.050070	1.248	.500	.135187	1.249	.920	.005010	1.250	.443	.105135	1.250	.814	.005010	1.251	.579	.100125
1.245	.906	.100120	1.248	.505	.005020	1.249	.925	.105125	1.250	.445	.100134	1.250	.828	.020030	1.251	.640	.005010
1.245	.921	.030050	1.248	.508	.105125	1.249	.951	.005010	1.250	.455	.015030	1.250	.829	.090120	1.251	.658	.040062
1.245	.945	.005020	1.248	.510	.005010	1.249	.961	.007015	1.250	.480	.040060	1.250	.830	.060080	1.251	.669	.050070
1.245	.947	.080104	1.248	.517	.005125	1.249	1.001	.030050	1.250	.500	.005062	1.250	.839	.120135	1.251	.692	.090110
1.245	.948	.070090	1.248	.532	.005010	1.249	1.027	.030050	1.250	.501	.070090	1.250	.843	.005030	1.251	.695	.025040
1.245	.990	.100125	1.248	.535	.005010	1.249	1.037	.025040	1.250	.503	.005020	1.250	.844	.010020	1.251	.725	.020040
1.245	1.010	.020105	1.248	.550	.050070		1.100	.075090	1.250	.504	.006015	1.250	.845	.020080	1.251	.752	.020030
1.245		.015030	1.248	.559	.156187	1.249		.010020	1.250	.505	.005020	1.250	.855	.040060	1.251	.755	.015030
1.245		.010020	1.248	.574	.005010		1.134	.005010	1.250	.507	.005010	1.250	.874	.090105	1.251	.759	.105135
1.245		.005010	1.248	.627	.010020	1.249			1.250	.508	.015062	1.250	.875	.120135	1.251	.814	.075100
						1.249	1.156	.015030									
1.245		.005010	1.248	.636	.110130	_			1.250	.510	.090120	1.250	.876	.030050	1.251	.834	.005010
1.245		.005010	1.248	.651	.090105			FN	1.250	.512	.135156	1.250	.878	.040060	1.251	.860	.015040
1.245		.005015	1.248	.656	.005010			7 11	1.250	.518	.005010	1.250	.879	.050070	1.251	.874	.050075
1.246	.252	.080104	1.248	.689	.050070				1.250	.520	.020060	1.250	.880	.005030	1.251	.876	.005010
1.246	.254	.015030	1.248	.695	.005010				1.250	.531	.135156	1.250	.882	.090125	1.251	.879	.005010
1.246	.261	.075090	1.248	.723	.005010	1.250	.040	.005010	1.250	.534	.036090	1.250	.887	.005010	1.251	.907	.040062
1.246	.287	.005010	1.248	.742	.100125	1.250	.082	.025040	1.250	.540	.005125	1.250	.888	.012025	1.251	.928	.025040
1.246	.384	.050083	1.248	.749	.050070	1.250	.125	.050075	1.250	.562	.050125	1.250	.889	.060090	1.251	.942	.090105
1.246	.566	.005010	1.248	.750	.005010	1.250	.123	.030073	1.250	.563	.005030	1.250	.890	.000090	1.251	.950	.080100
1.246	.701	.110130	1.248	.752	.008015	1.250	.140	.020125	1.250	.564	.104134	1.250	.893	.015030	1.251	.984	.010020
1.246	.741	.015030	1.248	.760	.025040	1.250	.148	.008016	1.250	.571	.040060	1.250	.895	.025070	1.251	.999	.005010
1.246	.750	.010015	1.248	.780	.080104	1.250	.164	.005010	1.250	.572	.040050	1.250	.901	.050070		1.003	.005010
1.246	.753	.050070	1.248	.810	.005010	1.250	.165	.060083	1.250	.580	.135156	1.250	.902	.005010	1.251		.090105
1.246	.754	.060090	1.248	.811	.040100	1.250	.170	.030060	1.250	.586	.015030	1.250	.907	.040060	1.251		.005010
1.246	.755	.020040	1.248	.813	.040062	1.250	.179	.015030	1.250	.595	.015135	1.250	.937	.100125	1.251	1.081	.070090
1.246	.761	.070090	1.248	.877	.005010	1.250	.182	.005010	1.250	.625	.020125	1.250	.939	.100125	1.251	1.082	.020040
1.246	.768	.015030	1.248	.878	.005025	1.250	.187	.040083	1.250	.630	.050100	1.250	.953	.015083	1.251	1.099	.010020
1.246	.769	.040060	1.248	.909	.010015	1.250	.192	.040062	1.250	.636	.005010	1.250	.962	.015020	1.251		.020030
1.246	.781	.020040	1.248	.932	.005010	1.250	.193	.030060	1.250	.637	.005010	1.250	.986	.090105	1.252	.268	.030050
1.246	.783	.020040	1.248	.950	.030050	1.250	.195	.090135	1.250	.640		1.250	.990	.030040	1.252	.280	
											.030080						.105135
1.246	.839	.060080	1.248	.984	.010020	1.250	.203	.016125	1.250	.641	.100125	1.250	.995	.060080	1.252	.316	.025070
1.246	.880	.005010	1.248		.062083	1.250	.208	.005010	1.250	.646	.005015		1.000	.093125	1.252	.317	.135156
1.246	.909	.050075	1.248		.062083	1.250	.213	.010020	1.250	.647	.090125		1.007	.042062	1.252	.319	.050070
1.246	.937	.005010	1.248	1.020	.005010	1.250	.217	.015030	1.250	.650	.005010	1.250	1.010	.010020	1.252	.329	.048062
1.246	.952	.050067	1.248	1.045	.015030	1.250	.227	.005015	1.250	.656	.070187	1.250	1.011	.005010	1.252	.343	.156190
1.246	1.035	.075090	1.248	1.060	.005015	1.250	.250	.020030	1.250	.658	.005010	1.250	1.012	.050070	1.252	.376	.005020
1.246	1.046	.020040	1.248	1.145	.040060	1.250	.252	.012125	1.250	.660	.020040	1.250	1.015	.020040	1.252	.396	.040060
1.246	1.060	.020040	1.249	.140	.005050	1.250	.254	.005012	1.250	.662	.105125	1.250	1.017	.060083	1.252	.407	.090110
1.247	.064	.015030	1.249	.188	.015030	1.250	.255	.005010	1.250	.665	.030040	1.250		.100120	1.252	.408	.025042
1.247	.125	.040060	1.249	.203	.005105	1.250	.259	.005010	1.250	.669	.005010		1.033	.005010	1.252	.426	.100125
1.247	.254	.060080	1.249	.250	.030050	1.250	.260	.040060	1.250	.675	.015030	1.250		.050070	1.252	.437	.060075
														.080070			
1.247	.263	.050075	1.249	.253	.005010	1.250	.262	.050075	1.250	.678	.005010		1.036		1.252	.442	.125156
1.247	.354	.100125	1.249	.318	.170190	1.250	.264	.010020	1.250	.680	.105125		1.051	.010020	1.252	.506	.005010
1.247	.378	.005010	1.249	.319	.036060	1.250	.266	.120134	1.250	.683	.010020		1.058	.072093	1.252	.585	.030050
1.247	.392	.005010	1.249	.320	.105125	1.250	.273	.005010	1.250	.688	.090125	1.250	1.061	.025040	1.252	.625	.005010
1.247	.450	.020030	1.249	.327	.015030	1.250	.280	.062083	1.250	.689	.010040	1.250	1.067	.030050	1.252	.629	.020030
1.247	.503	.030050	1.249	.328	.090125	1.250	.283	.060083	1.250	.690	.005010	1.250	1.115	.010020	1.252	.630	.105125
1.247	.572	.030048	1.249	.380	.105125	1.250	.286	.050075	1.250	.701	.015105	1.250	1.123	.025040	1.252	.633	.050075
1.247	.684	.110120	1.249	.391	.042060	1.250	.295	.025042	1.250	.707	.020040	1.250		.015025	1.252	.640	.008016
1.247	.699	.005010	1.249	.401	.100125	1.250	.311	.020040	1.250	.710	.050070	1.250		.020040	1.252	.725	.060070
1.247	.754	.050070	1.249	.427	.020040	1.250	.311	.050062	1.250	.711	.005010	1.250		.010025	1.252	.753	.005010
1.247	.816	.005050	1.249	.444	.036060	1.250	.312	.005010	1.250	.715	.005010	1.250		.005015	1.252	.755	.005010
1.247	.850	.070090	1.249			1.250	.314		1.250	.713	.050080	1.250			1.252	.765	.005010
				.450	.005010			.105125						.005015			
1.247	.874	.015030	1.249	.455	.005010	1.250	.320	.005010	1.250	.750	.012125	1.250		.005010	1.252	.779	.005015
1.247	.937	.016025	1.249	.495	.005010	1.250	.327	.020030	1.250	.751	.180188	1.251	.131	.050070	1.252	.789	.050075
1.247	.978	.050070	1.249	.510	.070090	1.250	.329	.070090	1.250	.753	.040060	1.251	.132	.070090	1.252	.790	.050075
1.247	.992	.062083	1.249	.516	.030050	1.250	.340	.005010	1.250	.754	.032042	1.251	.187	.005010	1.252	.797	.010020
1.247	1.011	.020030	1.249	.532	.156187	1.250	.341	.020040	1.250	.755	.010020	1.251	.215	.010020	1.252	.882	.008016
1.247	1.034	.035050	1.249	.549	.005010	1.250	.343	.080100	1.250	.755	.070090	1.251	.257	.070090	1.252	.932	.100125
1.248	.145	.050075	1.249	.578	.060070	1.250	.354	.005010	1.250	.758	.070125	1.251	.312	.090105	1.252	.961	.007040
1.248	.147	.030040	1.249	.605	.005010	1.250	.356	.015030	1.250	.762	.005070	1.251	.330	.156190	1.252	.965	.020030
1.248	.178	.100125	1.249	.623	.040060	1.250	.359	.060090	1.250	.763	.005010	1.251	.332	.105125	1.252	.998	.008016
						1.250			1.250			1.251					.016025
1.248	.202	.050070	1.249	.635	.005010		.365	.020062		.764	.040060		.335	.020040	1.252		
1.248	.219	.040060	1.249	.650	.020030	1.250	.375	.090105	1.250	.765	.104134	1.251	.378	.005010	1.252		.025040
1.248	.255	.005010	1.249	.651	.020040	1.250	.377	.005010	1.250	.767	.010020	1.251	.384	.170190	1.252		.100125
1.248	.262	.005010	1.249	.660	.020040	1.250	.378	.005030	1.250	.770	.040060	1.251	.401	.015030	1.252		.032060
1.248	.263	.050075	1.249	.663	.060080	1.250	.379	.012040	1.250	.771	.030050	1.251	.410	.015031	1.252	1.030	.020040
1.248	.325	.030050	1.249	.689	.050075	1.250	.382	.100134	1.250	.781	.050070	1.251	.417	.135160	1.252	1.037	.050070
1.248	.333	.050070	1.249	.690	.080100	1.250	.383	.030050	1.250	.783	.050075	1.251	.440	.040060	1.252		.005010
1.248	.344	.042060	1.249	.721	.030050	1.250	.390	.005080	1.250	.784	.050070	1.251	.471	.045060	1.252		.010020
1.248	.354	.100125	1.249	.723	.010020	1.250	.397	.005010	1.250	.785	.005060	1.251	.480	.030050	1.252		.005010
1.248	.375	.005010	1.249	.752	.090110	1.250	.406	.100187	1.250	.789	.105135	1.251	.482	.160190	1.252		.005010
1.248	.377	.020040	1.249	.756	.036060	1.250	.407	.005050	1.250	.791	.010020	1.251	.500	.005010	1.252		.010030
1.248	.378	.042062	1.249	.758	.005010	1.250	.413	.100120	1.250	.795	.007015	1.251	.531	.156187	1.252		.005010
1.248	.428	.005010	1.249	.797	.030050	1.250	.436	.100125	1.250	.796	.110125	1.251	.532	.120135	1.253	.390	.100120

								NO	100	LING CH			7.1111 01	IHE	SIZES	LIS I ED
O.D.	I.D.	Choose Any Thickness*	O.D. I.	Choose Any D. Thickness*	O.D.	I.D.	Choose Any Thickness*									
1.253	.410	From To .060080	1.259 .4	75 .005010	1.265	.504	.005010	1.280	.221	.070090	1.287	.251	.060090	1.299	.958	.050070
1.253	.450	.010020		01 .005010	1.265	.533	.100125	1.280	.318	.050062	1.287	.254	.050062	1.299	.960	.005010
1.253	.573	.030050		02 .005010	1.265	.866	.080100	1.280	.438	.030040	1.287	.264	.010020	1.299	1.019	.025042
	.633	.060080		66 .005010	1.265	.875	.040060	1.280	.505	.010020		1.142	.005010	1.299	1.030	.016025
1.253	.656	.015030		33 .090125	1.265	.930	.010020	1.280	.515	.040070	1.288	.614	.050070	1.299	1.068	.005010
1.253	.766	.156187		41 .110135	1.265	.990	.100125	1.280	.518	.020040	1.288	.761	.030050	1.300	.147	.080104
1.253	.768	.030050		79 .070090		1.000	.060075	1.280	.530	.015025	1.288	.777	.100120	1.300	.298	.020030
1.253	.780	.156187		48 .005010		1.206	.005010	1.280	.628	.040060	1.288	.969	.005010	1.300	.312	.005010
1.253	.782	.008020		82 .010020	1.266	.668	.070090	1.280	.668	.062120		1.023	.015030	1.300	.316	.105125
1.253	.814	.100120		27 .040050	1.266	.680	.050070	1.280	.677	.030050	1.288		.020035	1.300	.318	.005010
1.253	.886	.050070		91 .005010	1.266	.761	.005010	1.280	.760	.040060	1.288		.075090	1.300	.368	.025040
	.914	.020030	1.259 1.0		1.266	.779	.050075	1.280	.771	.005010		1.128	.040060	1.300	.377	.005020
1.253 1		.025040	1.259 1.0		1.266	.791	.005010	1.280	.771	.020040	1.288		.015030	1.300	.378	.005020
1.253 1		.030050	1.259 1.1			1.047	.060080	1.280	.888	.070090		1.113	.075090	1.300	.380	.005020
1.253 1		.010020	1.259 1.1		1.267	.624	.016032	1.280	.893	.005010	1.290	.128	.020030	1.300	.382	.010020
1.253 1	.123	.005010	1.259 1.1	81 .030050	1.267	.798	.075100	1.280	.915	.007012	1.290	.231	.105135	1.300	.383	.020030
1.254	.058	.030050	1.260 .2	37 .005010	1.267	1.049	.075090	1.280	1.000	.060090	1.290	.264	.005010	1.300	.394	.005020
1.254	.516	.048075	1.260 .3	01 .100125	1.267	1.120	.020040	1.280	1.017	.025040	1.290	.377	.020030	1.300	.397	.010020
1.254	.542	.010020	1.260 .3	19 .005010	1.268	.711	.080100	1.280	1.020	.070090	1.290	.627	.020030	1.300	.437	.005010
1.254	.581	.030050	1.260 .3	36 .150170	1.268	.918	.080104	1.280	1.031	.010020	1.290	.760	.030060	1.300	.438	.010020
1.254	.630	.050070	1.260 .3	95 .005010	1.268	.980	.060080	1.280	1.041	.040050	1.290	1.000	.050070	1.300	.442	.005020
1.254	.748	.040060	1.260 .3	98 .005020	1.268	1.155	.005010	1.280	1.045	.040060		1.146	.050060	1.300	.504	.005010
1.254	.765	.050075	1.260 .4	15 .020040	1.269	.161	.020035	1.280	1.066	.010060	1.290	1.204	.005010	1.300	.511	.010020
1.254	.766	.134156		40 .005010	1.269	.668	.060080	1.280		.050070	1.291	.457	.030050	1.300	.518	.010020
1.254	.840	.050075		49 .010020	1.269	.890	.070080	1.280	1.074	.030050	1.291	.966	.020040	1.300	.558	.010020
1.254	.990	.005010		74 .005010	1.269	.980	.025040	1.280		.020040	1.291		.005010	1.300	.628	.020035
1.254 1		.020040		75 .005010		1.004	.005010		1.140	.020040	1.292		.005010	1.300	.629	.005030
1.254 1		.030050		77 .005020	1.270	.166	.050075		1.164	.005010	1.292		.010020	1.300	.630	.050075
1.254 1		.015030		01 .005030	1.270	.460	.135156	1.281	.248	.060090	1.292		.060080	1.300	.634	.005020
1.255	.501	.060080		03 .100125	1.270	.527	.156187	1.281	.264	.010020	1.293	.378	.005010	1.300	.650	.080105
1.255	.656	.010120		05 .005020	1.270	.651	.020040	1.281	.408	.005030	1.293		.005010	1.300	.677	.030050
1.255	.664	.090105		12 .080105	1.270	.700	.040060	1.281	.442	.060080	1.293		.015030	1.300	.681	.005010
	.714	.110125		53 .010020	1.270	.764	.090100	1.281	.530	.015030	1.294		.100120	1.300	.754	.005010
1.255	.754	.070080		25 .005010	1.270	.793	.100125	1.281	.538	.010020	1.294		.010020	1.300	.755	.010030
1.255	.756	.020040		30 .005010	1.270	.976	.040060	1.281	.550	.156187	1.295	.377	.010020	1.300	.760	.015030
1.255	.843	.135187		32 .005010	1.271	.886 .940	.005010	1.281	.608	.020030	1.295	.511	.135156	1.300	.812	.015030
1.255 1.255	.845 .872	.005010		70 .120140 71 .070090	1.271 1.271	1.005	.006012 .025040	1.281 1.281	.891 .892	.080100 .040060	1.295 1.295	.588 .881	.040060 .010020	1.300	.830 .880	.005010
	.911	.030050 .105125		75 .010020		1.080	.025040		1.000	.040060	1.295	.901	.060080	1.300 1.300	.887	.020040
1.255	.960	.040060		82 .060080	1.272	.525	.050070	1.281		.010020	1.295		.050075	1.300	.900	.060080
1.255 1		.020030		83 .060080	1.272	.643	.090120	1.282	.103	.005010	1.295		.005010	1.300	.905	.005050
	.079	.020030		89 .020030	1.272	.800	.040060	1.282	.248	.060075		1.170	.005010	1.300	.960	.062083
	.139	.050083		50 .062120	1.273	.780	.080105	1.282	.310	.075090	1.295		.010020	1.300	.962	.010020
1.256	.329	.075100		26 .005010	1.273	.907	.030050	1.282	.408	.005010		1.111	.015030	1.300	.963	.020060
1.256	.507	.050070		27 .040060	1.273	.920	.020030	1.282	.409	.005010	1.297	.247	.050083	1.300	.980	.100125
1.256	.519	.100125		84 .025040	1.274	.711	.030050	1.282	.580	.010020	1.297	.571	.015030	1.300	.984	.050070
1.256	.613	.015030	1.260 1.0	02 .080100	1.274	.938	.015025	1.282	.625	.005010	1.297	.736	.005010	1.300	.988	.005015
1.256	.941	.125156	1.260 1.0	50 .015025	1.274	.969	.080105	1.282	.942	.010020	1.297	.825	.010020	1.300	.996	.050070
1.256 1	.080	.062080	1.260 1.0	55 .010015	1.274	1.125	.005010	1.282	.975	.060080	1.297	.845	.050070	1.300	1.006	.010020
1.257	.605	.005010	1.260 1.0	.040060	1.275	.255	.015030	1.282	1.020	.005010	1.297	.852	.010020	1.300	1.012	.005015
1.257	.673	.020030	1.260 1.1	.040060	1.275	.297	.025042	1.282	1.043	.030050	1.297	.860	.010020	1.300	1.020	.035050
	.787	.120135	1.260 1.1	30 .010020	1.275	.313	.060090	1.282		.040060	1.297	.945	.062090	1.300	1.060	.006016
	.933	.030048	1.260 1.1		1.275	.409	.050070	1.282		.010020	1.297		.090105	1.300		.070090
	.941	.125156	1.260 1.1		1.275	.410	.025042	1.282		.010020	1.297		.020040	1.300		.050060
	.956	.005010		26 .010012	1.275	.411	.025040	1.283	.104	.005010	1.297		.020050	1.300		.010020
1.257 1		.005010		95 .005010	1.275	.500	.075090	1.283	.375	.020035	1.298	.220	.060080	1.300		.005010
1.257 1		.005015		17 .105135	1.275	.672	.025042	1.283	.409	.010020	1.298	.275	.050075	1.300		.010020
1.257 1		.010020		16 .090125	1.275	.797	.025042 .020040	1.283	.650	.080090	1.298	.395	.010020	1.300		.030040
1.257 1 1.258	.380	.025040		11 .090104 11 .130160	1.275 1.275	.980		1.283 1.283	.671 .890	.015025 .015030	1.298 1.298	.441	.010020	1.300	.377	.005010 .015030
	.473	.005010		14 .005010	1.275		.090110	1.283	.929	.030040	1.298	.479 .496	.105125	1.301	.504	.005020
	.474	.005010		05 .070090	1.275		.025042	1.283		.030040	1.298	.504	.030050	1.301	.698	.005020
	.474	.005010		09 .105125	1.275		.005008	1.283		.040060	1.298	.630	.005010	1.301	.756	.005010
	.538	.010020		32 .005010	1.276	.105	.025040	1.284	.192	.050070	1.298	.640	.005010	1.301	.820	.040060
1.258	.632	.015030		70 .005040	1.276	.821	.050070	1.284	.324	.080104	1.298	.862	.005010	1.301	.901	.080110
	.643	.005010	1.261 1.0		1.277	.657	.083105	1.284	.787	.050070	1.298	.880	.070090	1.301	.945	.080105
	.677	.030050	1.261 1.0		1.277	.964	.020030	1.284		.010020	1.298	.906	.015025	1.301	.962	.105125
	.686	.005010	1.261 1.0		1.277		.050070	1.284		.015030	1.299	.140	.020040	1.301		.030050
	.722	.030050		87 .020035	1.278	.250	.005015	1.284		.005010	1.299	.245	.005010	1.302	.441	.100125
	.984	.010015		95 .020040	1.278	.500	.100125	1.285	.409	.120135	1.299	.253	.030040	1.302	.477	.050070
1.258 1		.015030		35 .005010	1.278	.529	.100125	1.285	.505	.120135	1.299	.385	.005010	1.302	.628	.100125
1.258 1		.010020		71 .070125	1.278	.571	.005010	1.285	.724	.005010	1.299	.395	.005020	1.302	.774	.060090
1.258 1		.005010		51 .030050	1.278	.750	.015030	1.285		.020040	1.299	.396	.005010	1.302	.787	.100125
1.258 1	.129	.010015	1.263 .8	82 .105135	1.278	.821	.030050	1.285	1.136	.005010	1.299	.411	.050070	1.302	.788	.005010
1.259	.232	.020040	1.263 1.0		1.278	.924	.005010	1.286	.251	.060090	1.299	.471	.030050	1.302	1.007	.012020
1.259	.239	.005010	1.263 1.0	85 .010020	1.279	.438	.005010	1.286	.509	.156187	1.299	.473	.005010	1.302	1.200	.005010
1.259	.316	.010030	1.263 1.0	89 .025035	1.279	.506	.005010	1.286	.809	.005010	1.299	.553	.005015	1.303	.194	.005010
	.395	.010020		48 .030050	1.279	.633	.050060	1.286	.811	.090105	1.299	.626	.010020	1.303	.504	.005010
1.259	.425	.156187		54 .120134	1.280	.155	.005015	1.286	.918	.010020	1.299	.812	.025040	1.303	.734	.020030
1.259	.473	.015030	1.265 .3	76 .060080	1.280	.170	.100125	1.287	.178	.050083	1.299	.922	.040060	1.303	.787	.070090

					BUKER	S WE IAL	WASHER	S ARE FLA	I AND I	DIMIBLE DE	BURKED
0.0 1.0	Choose Any	0.0 1.0	Choose Any	0.0 1.0	Choose Any	0.0 1.0	Choose Any	0.0 1.0	Choose Any	0.0 1.0	Choose Any
O.D. I.D.	Thickness* From To	O.D. I.D.	Thickness*	O.D. I.D.	Thickness*	O.D. I.D.	Thickness*	O.D. I.D.	Thickness* From To	O.D. I.D.	Thickness*
1.303 .899	.040060	1.311 .202	.020040	1.313 .660	.090125	1.321 .804	.005010	1.332 .770	.125156	1.340 1.000	.105125
1.304 .250		1.311 .261	.020040	1.313 .687	.105125	1.321 .973	.010020	1.333 .397	.040060	1.340 1.004	.042060
1.304 .470		1.311 .335	.080100	1.313 .751	.025040	1.322 .758	.080104	1.333 .950	.005010	1.340 1.034	.005010
1.304 .504		1.311 .380	.030050	1.313 .759	.080100	1.322 1.175	.040060	1.334 .239	.015030	1.340 1.104	.070080
1.304 1.189		1.311 .389	.025040	1.313 .874	.020040	1.323 .212	.005010	1.334 .325	.005010		.050083
										1.340 1.118	
1.305 .080		1.311 .500	.025040	1.313 .951	.070090	1.323 .244	.020040	1.334 .771	.010020	1.340 1.120	.010020
1.305 .255		1.311 .573	.005010	1.313 1.015	.060083	1.323 .351	.005015	1.334 .886	.105125	1.340 1.143	.005020
1.305 .514		1.311 .593	.075090	1.313 1.063	.040060	1.323 .394	.015030	1.334 .906	.060075	1.340 1.263	.010020
1.305 .705		1.311 .635	.005010	1.313 1.118	.015035	1.323 .551	.050070	1.335 .380	.020035	1.341 .479	.005010
1.305 .734		1.311 .655	.090110	1.313 1.148	.020030	1.323 .640	.060075	1.335 .632	.035060	1.341 .537	.105135
1.305 .803		1.311 .676	.005010	1.313 1.164	.025040	1.323 .666	.100125	1.335 .650	.050070	1.341 .871	.010020
1.305 .825	.040060	1.311 .688	.156187	1.314 .268	.030060	1.323 1.001	.015030	1.335 .906	.020030	1.341 .893	.040060
1.305 .826	.100125	1.311 .858	.005010	1.314 .341	.060080	1.323 1.063	.050070	1.335 1.106	.062080	1.342 .380	.120156
1.305 .942	.020040	1.311 .875	.020040	1.314 .392	.040060	1.323 1.194	.020040	1.335 1.131	.050075	1.342 .457	.100125
1.305 1.006	.015030	1.311 .884	.050135	1.314 .439	.050075	1.324 .320	.010020	1.335 1.134	.005010	1.342 .876	.125156
1.305 1.011	.005010	1.311 .890	.030050	1.314 .441	.105135	1.324 .529	.105135	1.335 1.146	.005010	1.342 .922	.040060
1.305 1.016	.060070	1.311 .905	.020040	1.314 .522	.015030	1.324 .687	.005030	1.336 .907	.005010	1.342 1.015	.005010
1.305 1.140		1.311 .947	.020040	1.314 .593	.015030	1.324 .808	.105125	1.336 1.004	.005010	1.343 .630	.025040
1.305 1.201		1.311 .995	.030050	1.314 .626	.100125	1.324 1.001	.020040	1.336 1.006	.030050	1.343 .871	.050075
1.305 1.205		1.311 1.001	.005010	1.314 .673	.015025	1.325 .125	.010020	1.336 1.038	.080100	1.343 .907	.042062
1.306 .758		1.311 1.005	.030048	1.314 .827	.010020	1.325 .139	.040060	1.336 1.131	.040062	1.343 1.100	.080105
1.306 .756		1.311 1.005	.030048	1.314 .885	.070020	1.325 .139	.040060	1.337 .319	.040062	1.343 1.100	.030050
			.030040				.010020				.030050
1.306 .996		1.311 1.057		1.314 .969	.040060	1.325 .157		1.337 .396	.005010	1.343 1.150	
1.306 1.007		1.311 1.190	.005010	1.314 1.062	.006016	1.325 .171	.005015	1.337 .440	.042062	1.343 1.261	.020040
1.306 1.070		1.312 .197	.025040	1.314 1.090	.042062	1.325 .172	.010020	1.337 .475	.005010	1.344 .258	.100135
1.306 1.167		1.312 .234	.050075	1.314 1.188	.005010	1.325 .204	.010020	1.337 .500	.100125	1.344 .260	.060090
1.306 1.184		1.312 .251	.050070	1.315 .177	.005010	1.325 .218	.010020	1.337 .502	.005020	1.344 .376	.100120
1.307 .502		1.312 .314	.075090	1.315 .253	.080104	1.325 .251	.010020	1.337 .747	.025040	1.344 .752	.100125
1.307 .655		1.312 .320	.030050	1.315 .522	.010020	1.325 .270	.010020	1.337 .748	.010020	1.344 .812	.040062
1.307 1.068		1.312 .374	.020040	1.315 .560	.005010	1.325 .281	.040060	1.337 .856	.010020	1.344 1.000	.015030
1.308 .125	.040062	1.312 .377	.020030	1.315 .626	.100125	1.325 .295	.080104	1.337 .884	.005010	1.344 1.002	.050075
1.308 .220	.050070	1.312 .392	.030060	1.315 .703	.010020	1.325 .301	.012025	1.337 .945	.060080	1.344 1.009	.080100
1.308 .251	.005010	1.312 .505	.010015	1.315 .923	.020030	1.325 .350	.010020	1.337 .984	.005040	1.344 1.050	.005010
1.308 .619	.005010	1.312 .507	.042062	1.315 1.177	.005010	1.325 .381	.010020	1.337 1.001	.070090	1.344 1.068	.015030
1.308 .751	.050075	1.312 .553	.005010	1.316 .655	.005010	1.325 .410	.010015	1.337 1.094	.005010	1.345 .341	.090105
1.308 .762		1.312 .563	.005010	1.316 .704	.050070	1.325 .440	.010134	1.338 .255	.005010	1.345 .408	.005010
1.308 .902		1.312 .564	.020040	1.316 .745	.080100	1.325 .500	.010015	1.338 .259	.005010	1.345 .661	.050070
1.309 .311		1.312 .565	.090110	1.316 .881	.020040	1.325 .600	.010015	1.338 .320	.005010	1.345 .818	.050070
1.309 .377		1.312 .566	.005010	1.316 .885	.025050	1.325 .640	.010015	1.338 .394	.005020	1.345 .836	.005010
1.309 .392		1.312 .594	.075090	1.316 .940	.010015	1.325 .669	.040060	1.338 .396	.010020	1.345 .907	.060090
1.309 .607						1.325 .700					
			.100125	1.316 .978	.042060		.010015		.100120		.100125
1.309 .635			.040062	1.317 .502	.030050	1.325 .750	.010015	1.338 .473	.005010	1.345 1.001	.010020
1.309 .751		1.312 .655	.015030	1.317 .744	.005010	1.325 .810	.010020	1.338 .475	.010020	1.345 1.039	.025040
1.309 .791		1.312 .687	.025035	1.317 1.051	.010020	1.325 .900	.050075	1.338 .477	.005010	1.345 1.040	.015030
1.309 .813		1.312 .689	.050060	1.317 1.115	.080100	1.325 .920	.010015	1.338 .505	.005020	1.345 1.173	.015030
1.309 .816		1.312 .703	.100125	1.317 1.198	.020035	1.325 1.055	.080104	1.338 .552	.005015	1.345 1.174	.015025
1.309 .878		1.312 .720	.050070	1.317 1.250	.020032	1.325 1.118	.015030	1.338 .582	.005010	1.346 .201	.060080
1.309 .883	.050080	1.312 .748	.050062	1.318 .180	.005010	1.325 1.179	.080100	1.338 .751	.100134	1.346 .443	.005025
1.309 1.000	.020040	1.312 .755	.105125	1.318 .746	.050075	1.326 .314	.025040	1.338 .867	.020030	1.347 .441	.005010
1.309 1.031	.100120	1.312 .765	.090120	1.318 1.005	.040125	1.326 .570	.015070	1.338 .937	.025040	1.347 .500	.005010
1.309 1.128	.030050	1.312 .766	.050075	1.318 1.006	.015030	1.326 .751	.010020	1.338 .983	.010020	1.347 .502	.005010
1.310 .190	.050070	1.312 .781	.020125	1.319 .387	.090125	1.326 1.022	.005010	1.338 1.121	.020030	1.347 1.075	.015030
1.310 .205	.040060	1.312 .782	.060083	1.319 .715	.005010	1.327 .680	.030050	1.339 .220	.040060	1.347 1.140	.015030
1.310 .231		1.312 .783	.040070	1.319 .716	.005010	1.328 .126	.016025	1.339 .272	.015030	1.348 .441	.005010
1.310 .379		1.312 .812	.070090	1.319 .851	.040060	1.328 .415	.156187	1.339 .274	.010020	1.348 .500	.005015
1.310 .380		1.312 .825	.010020	1.319 1.070	.015030	1.328 1.020	.025040	1.339 .316	.005010	1.348 .566	.080100
1.310 .385		1.312 .843	.005010	1.319 1.075	.050070	1.329 .175	.050083	1.339 .474	.005010	1.348 .677	.030050
1.310 .407		1.312 .878	.060080	1.319 1.104	.030040	1.329 .680	.015030	1.339 .640	.100125	1.348 .700	.005010
1.310 .416		1.312 .890	.090125	1.319 1.130	.005010	1.329 .791	.105125	1.339 .671	.070090	1.348 .717	.075090
1.310 .505		1.312 .892	.020040	1.320 .183	.005010	1.329 .900	.050075	1.339 .762	.005010	1.348 .818	.005015
1.310 .510		1.312 .893	.060080	1.320 .210	.005010	1.329 .990	.105134	1.339 .828	.105125	1.348 1.095	.010025
1.310 .516		1.312 .906	.062080	1.320 .318	.105125	1.329 1.001	.080100	1.339 .983	.005010	1.348 1.145	.010025
				1.320 .316	.010020	1.329 1.001		1.339 1.104	.060080	1.349 .471	.040060
			.005010				.005010				
1.310 .619		1.312 .938	.005010	1.320 .495	.062135	1.329 1.174	.060070	1.339 1.181	.005010	1.349 .501	.005010
1.310 .711		1.312 .941	.030040	1.320 .552	.100120	1.329 1.180	.005010	1.339 1.202	.005010	1.349 .504	.005020
1.310 .751		1.312 .948	.070090	1.320 .715	.005010	1.329 1.190	.030050	1.339 1.205	.005010	1.349 .593	.060080
1.310 .753		1.312 .986	.005010	1.320 .753	.005010	1.330 .328	.005010	1.339 1.213	.015030	1.349 .749	.050070
1.310 .755		1.312 1.000	.010020	1.320 .758	.080104	1.330 .385	.005010	1.340 .250	.062120	1.349 .984	.050070
1.310 .768		1.312 1.001	.080105	1.320 .761	.015060	1.330 .391	.156190	1.340 .260	.005010	1.349 1.057	.010020
1.310 .770		1.312 1.008	.050125	1.320 .765	.005010	1.330 .744	.030060	1.340 .261	.005010	1.349 1.294	.005010
1.310 .772		1.312 1.027	.005010	1.320 .849	.005010	1.330 .851	.040060	1.340 .284	.015030	1.350 .089	.005010
1.310 .812	.030042	1.312 1.031	.080105	1.320 .867	.005010	1.330 .897	.015030	1.340 .288	.040060	1.350 .090	.025040
1.310 .868		1.312 1.190	.015025	1.320 .880	.005010	1.330 .910	.025040	1.340 .289	.005010	1.350 .240	.120130
1.310 .878		1.312 1.251	.105125	1.320 .890	.015030	1.330 .985	.050070	1.340 .630	.020040	1.350 .252	.015125
1.310 .944		1.313 .268	.035050	1.320 .931	.020035	1.330 1.100	.030050	1.340 .632	.010020	1.350 .312	.050060
1.310 1.006		1.313 .375	.100125	1.320 1.000	.090125	1.331 .635	.070090	1.340 .677	.042072	1.350 .314	.005020
1.310 1.049		1.313 .456	.005010	1.320 1.024	.015030	1.331 .776	.050070	1.340 .726	.105120	1.350 .390	.105125
1.310 1.130			.005030	1.320 1.024	.010020	1.331 .910	.005010	1.340 .750	.005010	1.350 .440	.020040
1.310 1.130		1.313 .635	.090100	1.320 1.130	.040050	1.331 1.123	.005010	1.340 .751	.045060	1.350 .441	.010020
1.310 1.230			.050100	1.321 .780	.050070	1.331 1.123	.010020	1.340 .766	.043060	1.350 .441	.010020
1.011 .108	, .040000	1.010 .007	.000073	1.021 .700	.000070	1.001 1.120	.010020	1.0-0 .700	.042002	1.000 .407	.000010

1.350 . 1.350 . 1.350 .	I.D. .500	Choose Any Thickness* From To	O.D. I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any	0.0		Choose Any
1.350 . 1.350 .						From To	0.5.	I.D.	From To	O.D.	1.0.	Thickness*	O.D.	I.D.	Thickness*
1.350 . 1.350 .		.005020	1.359 .860	.130150	1.365 1.262	.020030	1.370	.948	.062080	1.373	.625	.020190	1.375	.310	.062080
1.350 .	.503	.005025	1.359 .888	.005010	1.366 .070	.015030	1.370	.950	.005015	1.373	.627	.010020	1.375	.312	.050083
	.506	.005020	1.359 1.025	.100125	1.366 .191	.105125	1.370	.960	.032050	1.373	.639	.040050	1.375	.316	.050100
	.562	.005010	1.359 1.028	.100125	1.366 .542	.025050	1.370	.990	.020040	1.373	.641	.125156	1.375	.318	.100125
1.350 .	.564	.010020	1.359 1.126	.060080	1.366 .690	.078105	1.370		.042062	1.373	.737	.010020	1.375	.321	.060080
	.626	.005020	1.360 .204	.050075	1.366 .760	.020030	1.370		.005015	1.373	.749	.005010	1.375	.328	.025070
	.634	.020040	1.360 .338	.005010	1.366 .761	.005010	1.370		.005015	1.373	.750	.005010	1.375	.329	.105134
	.669	.090110	1.360 .344	.050070	1.366 .763	.005010	1.370		.005010	1.373	.765	.010020	1.375	.332	.005010
	.675	.005010	1.360 .629	.010020	1.366 .883	.080100	1.370		.040060	1.373	.785	.005010	1.375	.343	.100125
	.700	.030060	1.360 .639	.015030	1.366 .892	.005020	1.370		.005020	1.373	.890	.030050	1.375	.355	.070100
	.750	.005030	1.360 .656	.100125	1.366 .997	.025040	1.370		.020030	1.373	.906	.005020	1.375	.373	.100125
1.350 .	.751	.005010	1.360 .791	.090105	1.366 1.028	.070090	1.370 1	1.163	.040060	1.373	.912	.040090	1.375	.375	.062120
1.350 .	.755	.010020	1.360 .878	.050070	1.366 1.030	.050075	1.370 1	1.188	.060070	1.373	.996	.005010	1.375	.382	.050075
1.350 .	.760	.005040	1.360 .928	.080105	1.366 1.070	.030105	1.370 1	1.199	.005010	1.373	1.000	.008060	1.375	.391	.090105
1.350 .	.777	.025040	1.360 .986	.060080	1.366 1.133	.050070	1.370	1.245	.010020	1.373	1.095	.042062	1.375	.395	.062080
1.350 .	.779	.040060	1.360 1.003	.005010	1.366 1.140	.020030	1.370	1.255	.010015	1.373	1.126	.020040	1.375	.420	.048062
1.350 .	.804	.005010	1.360 1.026	.050075	1.366 1.144	.005010	1.371	.148	.005010	1.373	1.207	.025040	1.375	.422	.060070
1.350 .	.819	.050070	1.360 1.060	.090105	1.366 1.153	.010020	1.371	.234	.090125	1.373	1.209	.030060	1.375	.439	.170190
1.350 .	.850	.005010	1.360 1.128	.015035	1.366 1.221	.005010	1.371	.281	.005010	1.373	1.218	.040060	1.375	.440	.075090
	.860	.015030	1.360 1.146	.030060	1.367 .758	.070090	1.371	.525	.020030	1.373		.010020	1.375	.444	.050070
	.863	.005030	1.361 .219	.060080	1.367 .760	.110130	1.371	.595	.010020	1.373		.005020	1.375	.445	.015030
	.905	.050070	1.361 .875	.075125	1.367 .763	.110130	1.371	.627	.050075	1.374	.155	.005010	1.375	.452	.156187
	.910	.015030	1.361 .884	.075100	1.367 .884	.080104	1.371	.641	.105125	1.374	.190	.060080	1.375	.500	.100125
	.977	.036048	1.361 .890	.050075	1.367 .885	.040060	1.371	.651	.030050	1.374	.245	.050070	1.375	.502	.005060
	.978	.010020	1.361 1.032	.005010	1.367 .911	.010020	1.371	.698	.040062	1.374	.251	.160180	1.375	.505	.030050
	.000	.050070	1.362 .230	.005010	1.367 1.010	.040060	1.371	.759	.100125	1.374	.253	.083104	1.375	.515	.060080
1.350 1.		.012020	1.362 .439	.015030	1.367 1.030	.060080	1.371	.760	.005010	1.374	.318	.050060	1.375	.526	.070090
1.350 1.		.015030	1.362 .525	.010020	1.367 1.067	.040060	1.371	.820	.008040	1.374	.340	.010020	1.375	.530	.005075
1.350 1. 1.350 1.		.050070	1.362 .625 1.362 .641	.110120	1.367 1.112 1.367 1.153	.025040 .020030	1.371 1.371	.886 1.000	.005025 .120135	1.374 1.374	.341 .378	.090110	1.375 1.375	.556 .560	.005060 .005010
	.139	.005010	1.362 .656	.100125	1.367 1.153	.020030	1.371		.005010	1.374	.378	.050070 .060070	1.375	.563	.120135
	.561	.010020	1.362 .750	.010060	1.368 .498	.005010	1.371		.005010	1.374	.518	.134187	1.375	.564	.010020
	.750	.020030	1.362 .762	.100125	1.368 .510	.075090	1.371		.005010	1.374	.562	.015025	1.375	.571	.060070
1.351 1.		.060080	1.362 1.002	.005025	1.368 .596	.030050	1.371		.020040	1.374	.563	.005010	1.375	.590	.105125
	.049	.010020	1.362 1.101	.005010	1.368 .635	.005010	1.371		.070090	1.374	.568	.005010	1.375	.619	.020040
1.351 1.		.025040	1.362 1.101	.005010	1.368 .792	.040060	1.371		.070090	1.374	.575	.090110	1.375	.630	.005007
1.351 1.		.015030	1.362 1.262	.015030	1.368 .874	.050070	1.371		.010020	1.374	.577	.020042	1.375	.634	.005010
1.351 1.		.010020	1.363 .941	.060080	1.368 .918	.100125	1.371		.005015	1.374	.641	.050070	1.375	.636	.010020
1.351 1.		.010020	1.363 1.004	.015030	1.368 .980	.050070	1.371		.005010	1.374	.700	.156187	1.375	.641	.157187
1.351 1.		.005010	1.363 1.190	.030050	1.368 1.044	.030050	1.372	.141	.070090	1.374	.701	.005010	1.375	.644	.005010
1.351 1.		.005010	1.363 1.249	.015025	1.368 1.069	.070090	1.372	.191	.070090	1.374	.710	.005010	1.375	.656	.040062
1.352 .	.670	.180190	1.364 .414	.070090	1.368 1.072	.030080	1.372	.378	.030050	1.374	.717	.005010	1.375	.700	.120135
1.352 .	.776	.050075	1.364 .505	.025040	1.368 1.073	.080090	1.372	.564	.080125	1.374	.750	.100125	1.375	.709	.050070
1.353 .	.988	.075090	1.364 .539	.070090	1.368 1.112	.025040	1.372	.637	.020032	1.374	.756	.020030	1.375	.719	.010020
1.353 1.	.070	.050070	1.364 .664	.005010	1.368 1.113	.050075	1.372	.690	.010030	1.374	.762	.070090	1.375	.750	.020050
	.315	.020040	1.364 .665	.070090	1.368 1.174	.040062	1.372	.730	.105187	1.374	.770	.040060	1.375	.751	.050060
	.538	.005010	1.364 .701	.040060	1.369 .312	.025040	1.372	.750	.020032	1.374	.800	.010020	1.375	.753	.100125
	.263	.090120	1.364 .780	.135156	1.369 .329	.010020	1.372	.812	.020032	1.374	.807	.090100	1.375	.754	.060080
	.501	.110130	1.364 .788	.070090	1.369 .505	.065080	1.372	.891	.070090	1.374	.825	.040060	1.375	.757	.090110
	.687	.015025	1.364 .911	.070090	1.369 .670	.090105	1.372	.908	.050075	1.374	.829	.010020	1.375	.758	.048062
	.746	.015030	1.364 .912	.080100	1.369 .761	.010020	1.372	.940	.030050	1.374	.880	.025040	1.375	.762	.005010
	.795	.090105	1.364 1.002	.008016	1.369 .803	.040060	1.372	.948	.005010	1.374	.881	.110135	1.375	.763	.156187
	.899	.050070	1.364 1.011	.030050	1.369 .832	.005010	1.372	.949	.090125	1.374	.884	.025040	1.375	.770	.005010
1.355 1. 1.355 1.		.060105	1.364 1.042 1.364 1.182	.080100 .005010	1.369 .885 1.369 .893	.005015 .125156	1.372 1.372	.973 .983	.005015 .025040	1.374 1.374	.901 .905	.030050 .010020	1.375 1.375	.782 .803	.156187 .090100
1.355 1.		.015030	1.364 1.184	.005010	1.369 1.001	.015030	1.372		.040060	1.374	.905	.010020	1.375	.812	.090100
1.355 1.		.050060	1.364 1.191	.010020	1.369 1.145	.090105	1.372		.105120	1.374	.942	.050070	1.375	.824	.005020
	.444	.025042	1.364 1.193	.050070	1.369 1.188	.010015	1.372		.012025	1.374	.999	.025040	1.375	.827	.105135
1.356 1.		.015030	1.364 1.194	.030060	1.369 1.207	.005010	1.372		.050070	1.374		.090120	1.375	.829	.048075
1.356 1.		.015030	1.364 1.237	.010025	1.370 .144	.030050	1.372		.050105	1.374		.005010	1.375	.860	.006100
	.190	.020040	1.364 1.252	.005010	1.370 .192	.030050	1.372		.030050	1.374		.030050	1.375	.875	.100125
	.350	.005010	1.364 1.281	.005010	1.370 .234	.100125	1.372		.030050	1.374		.010020	1.375	.876	.032048
1.357 .	.500	.100125	1.364 1.282	.005012	1.370 .282	.080100	1.372		.005010	1.374	1.125	.050075	1.375	.877	.005020
1.357 .	.666	.080100	1.365 .281	.090110	1.370 .300	.075125	1.372	1.210	.010020	1.374	1.128	.010020	1.375	.878	.090120
	.845	.032060	1.365 .354	.060080	1.370 .316	.005010	1.372		.020035	1.374		.005010	1.375	.883	.010020
	.890	.020040	1.365 .376	.100120	1.370 .333	.010020	1.372		.015030	1.374		.040060	1.375	.892	.015030
	.968	.005010	1.365 .435	.050083	1.370 .505	.100125	1.373	.218	.040062	1.374		.030050	1.375	.922	.015030
	.996	.005010	1.365 .562	.030050	1.370 .538	.008016	1.373	.234	.105125	1.375	.100	.025045	1.375	.936	.020032
1.357 1.		.015040	1.365 .584	.030060	1.370 .568	.005010	1.373	.250	.016032	1.375	.125	.070090	1.375	.940	.060090
	.125	.030050	1.365 .585	.025042	1.370 .628	.005010	1.373	.255	.040060	1.375	.129	.015030	1.375	.941	.010020
	.209	.120135	1.365 .595	.030050	1.370 .685	.075125	1.373	.380	.120135	1.375	.131	.005010	1.375	.953	.005010
	.601	.040060	1.365 .808	.040060	1.370 .696	.015030	1.373	.409	.005010	1.375	.144	.040060	1.375	.962	.035060
	.766	.030050	1.365 .940	.030050	1.370 .698	.050075	1.373	.410	.100125	1.375	.207	.040062	1.375	.977	.062083
	.803	.005010	1.365 1.095	.110130	1.370 .751	.080100	1.373	.462	.020040	1.375	.210	.100125	1.375	.995	.005010
1.358 1.		.050075	1.365 1.131	.005010	1.370 .793	.020030	1.373	.463	.015030	1.375	.250	.080104	1.375		.025125
1.358 1.		.008015	1.365 1.150	.050075	1.370 .794	.005010	1.373	.500	.105135	1.375	.252	.040060	1.375		.120156
1.358 1.		.005010	1.365 1.160	.020030	1.370 .886	.070090	1.373	.563	.070090	1.375	.255	.040060	1.375		.100125
		.010020 .010020	1.365 1.187 1.365 1.192	.025040 .005020	1.370 .890 1.370 .900	.100125 .005007	1.373 1.373	.568	.170190	1.375 1.375	.260 .270	.015030	1.375		.060080
1.358 1.		.010020	1.000 1.192	.000020	1.570 .900	.003007	1.0/0	.570	.006015	1.070	.210	.005010	1.375	1.013	.000010
1.358 1.	.204 .689	.005010	1.365 1.194	.020040	1.370 .940	.080100	1.373	.575	.050075	1.375	.281	.100125	1.375	1 022	.016032

								BUKER	2 ME	IAL	WASHER	O AI II		AND I	JIVIBL	E DE	BURKED
0.5		Choose Any			Choose Any	0.5	_	Choose Any			Choose Any	0.5		Choose Any			Choose Any
O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness*	O.D. I.	.D.	Thickness*	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness*	O.D.	I.D.	Thickness*
1.375	1.031	.080105	1.378	.313	.020032	1.385 1.0	015	.075090	1.400	.754	.015030	1.410	1.147	.080100	1.418	.886	.030050
	1.045	.025040	1.378	.315	.010020	1.385 1.2		.005010	1.400	.755	.005010	1.410		.005010	1.418	.887	.005010
	1.065	.035050	1.378	.316	.005010	1.385 1.2		.005010	1.400	.756	.050070		1.189	.005008	1.418	.889	.010020
	1.078	.040060	1.378	.324	.005010	1.385 1.3		.005010	1.400	.822	.005010		1.202	.005010	1.418	.945	.030050
	1.110	.005010	1.378	.402	.156187		474	.080105	1.400	.879	.005010	1.411	.836	.005010	1.418	.983	.120135
	1.124	.005010	1.378	.492	.005010		655	.170190	1.400	.885	.005020	1.411		.010025	1.418	.985	.015030
	1.130	.015080	1.378	.500	.010020	1.386 1.0		.060080	1.400	.887	.010020	1.412	.201	.040060		1.165	.010020
	1.131	.005010	1.378	.657	.060080	1.386 1.1		.000000	1.400	.901	.010020	1.412	.836				.100020
														.105120		1.181	
	1.136	.050070	1.378	.660	.105135	1.386 1.1		.030045		1.000	.010105		1.070	.040060		1.188	.070090
	1.146	.025040	1.378	.736	.100125	1.387 1.0		.060080		1.017	.090105		1.193	.030050		1.307	.010020
	1.154	.005010	1.378	.754	.005010		212	.020040		1.050	.070080		1.246	.005010	1.419	.253	.005010
	1.159	.005010	1.378	.780	.025050 .040060		662	.120134		1.076	.025042	1.413	.634		1.419	.407	.156187
	1.188	.005010	1.378	.783			785	.015030	1.400		.005010	1.413	.995	.005010	1.419	.435	.160180
	1.189	.030050	1.378	.787	.100120		825	.020040		1.158	.005010		1.118	.005010	1.419	.506	.005010
	1.195	.005025	1.378	.858	.032050	1.388 1.0		.090110		1.200	.080090	1.414	.434	.170190	1.419	.677	.080100
	1.200	.020032	1.378	.861	.080100		474	.080105		1.258	.020030	1.414	.563	.160190	1.419	.797	.005010
1.375		.025040	1.378	.865	.100125	1.389 1.0		.030050		1.260	.030042	1.414	.595	.090110	1.419	.800	.005010
	1.247	.040060	1.378	.876	.090125		073	.005010	1.401	.195	.005010	1.414	.794	.005010		1.003	.005010
1.375		.010020	1.378	.878	.060120		368	.060083	1.401	.986	.045060	1.415	.319	.005010		1.070	.090125
	1.253	.005030	1.378	.957	.105125		430	.080134	1.401		.010020	1.415	.320	.005020	1.420	.285	.110135
	1.265	.005010	1.378	.984	.010020		552	.010020		1.169	.010020	1.415	.382	.040062	1.420	.378	.010020
1.376	.258	.005010	1.378		.005010		780	.005010	1.401		.015025	1.415	.396	.005020	1.420	.380	.030050
1.376	.267	.134187		1.061	.012020	1.390 1.0		.005008		1.258	.005030	1.415	.398	.005010	1.420	.405	.010020
1.376	.383	.005015	1.378		.030050	1.390 1.1		.015030	1.401		.005010	1.415	.477	.005010	1.420	.487	.005010
1.376	.406	.050075	1.378		.050070	1.390 1.1		.015030	1.402	.295	.030050	1.415	.521	.020030	1.420	.504	.105134
1.376	.503	.090125	1.378		.060080		203	.010020	1.402	.504	.005010	1.415	.567	.010025	1.420	.507	.012020
1.376	.513	.005010		1.201	.005010		888	.010035	1.402	.505	.008015	1.415	.820	.040060	1.420	.611	.075090
1.376	.530	.156187	1.379	.203	.020040		983	.040060	1.402	.509	.105135	1.415	.896	.060070	1.420	.679	.005010
1.376	.534	.010020	1.379	.453	.010040	1.391 1.0		.005010	1.402	.518	.005008		1.000	.005010	1.420	.690	.050070
1.376	.620	.005010	1.379	.510	.070080	1.392 1.0		.100120	1.402	.760	.005015		1.044	.015030	1.420	.752	.080100
1.376	.650	.100125	1.379	.564	.005010		611	.060080		1.224	.050070		1.100	.010020	1.420	.853	.050060
1.376	.657	.005010	1.379	.599	.015030		719	.080104		1.341	.015030		1.122	.030042		1.004	.005010
1.376	.700	.010020	1.379	.787	.070090	1.393 1.2		.005010	1.403	.250	.042075		1.126	.005010		1.005	.010020
1.376	.703	.005010	1.379	.812	.005010		654	.005010	1.403	.430	.100125	1.416	.169	.030050	1.420		.005010
1.376	.760	.060140	1.379	.835	.005010		724	.070090	1.403	.672	.110130	1.416	.324	.135156		1.137	.050070
1.376	.761	.090105	1.379		.090120		132	.025035		1.022	.010020	1.416	.473	.005010	1.420		.080100
1.376	.765	.090105		1.075	.015025		420	.105125	1.404	.128	.050070	1.416	.474	.020030	1.420		.030050
1.376	.780	.110130		1.089	.030050		550	.050083	1.404	.508	.090120	1.416	.502	.005030	1.420		.010020
1.376	.815	.060080	1.380	.254	.040060	1.395 1.1		.040060		1.196	.020040	1.416	.505	.005020		1.271	.032050
1.376	.847	.005010	1.380	.282	.062190		563	.060080	1.404		.020040	1.416	.567	.005010	1.420		.030050
1.376	.903	.025040	1.380	.300	.005008		611	.105125	1.405	.610	.010020	1.416	.590	.160190	1.421	.495	.080100
1.376	.906	.030060	1.380	.339	.005010	1.396 1.1		.015025	1.405	.630	.005010	1.416	.629	.005010	1.421	.518	.090120
1.376	.984	.030050	1.380	.346	.120134	1.396 1.2		.010020		1.008	.015030	1.416	.635	.050070	1.421		.100120
1.376		.010020	1.380	.398	.005010		381	.115130		1.265	.005010	1.416	.709	.040060		1.190	.010020
1.376		.110120	1.380	.405	.100125		419	.060125	1.406	.139	.030048	1.416	.793	.005010	1.422	.408	.005020
1.376		.050070	1.380	.596	.100125		545	.005010	1.406	.390	.005010	1.416	.965	.040060	1.422	.697	.065080
	1.022	.005010	1.380	.694	.120135		705	.060090	1.406	.954	.050070		1.030	.100120	1.422	.880	.060090
	1.135	.080105	1.380	.752	.020030		710	.050075		1.010	.060070		1.039	.040060	1.422	.945	.090105
	1.157	.010020	1.380	.880	.020040		815	.005020		1.091	.025040		1.111	.005030		1.058	.042060
	1.225	.025040	1.380	.901	.005060		981	.015030	1.406		.020030	1.416		.040060	1.422		.005010
	1.246	.050070	1.380	.902	.080100	1.397 1.0		.005030	1.407	.290	.025040	1.416		.025040	1.423	.156	.030050
	1.247	.005010	1.380		.005010	1.397 1.2		.020040	1.407	.390	.005030	1.416		.010020	1.423	.157	.080104
1.377		.040060	1.380		.105125		505	.005015	1.407	.624	.005010	1.417	.125	.010020	1.423	.864	.020040
1.377	.318	.100125	1.380		.050075		717	.005010	1.407	.634	.060090	1.417	.413	.060080	1.423	.880	.010020
1.377	.336	.075090	1.380		.005010		872	.025040	1.407	.705	.005010	1.417	.474	.005020	1.423	.882	.005030
1.377	.346	.100125	1.380		.005010		906	.030050	1.407		.015030	1.417	.477	.005020	1.423		.031042
1.377	.376	.105125	1.380		.080100	1.398 1.1		.010020	1.407		.005010	1.417	.511	.105125	1.423		.005010
1.377	.377	.080105	1.380		.005010	1.398 1.1		.030050	1.407		.020030	1.417	.519	.080104	1.423		.010030
1.377	.383	.005010	1.381	.561	.080100		377	.005020	1.407		.005010	1.417	.548	.050070	1.424	.440	.060070
1.377	.384	.030050	1.381	.689	.050070		524	.005060	1.407		.005010	1.417	.580	.075090	1.424	.505	.005010
1.377	.505	.005020	1.381		.025040		630	.005020	1.408	.902	.032050	1.417	.632	.005010	1.424	.506	.010020
1.377	.515	.050075	1.382	.542	.010030		654	.010020	1.408		.005010	1.417	.825	.050070	1.425	.316	.015030
1.377	.517	.060080	1.382	.543	.040070		719	.010060	1.408		.040060	1.417	.912	.135187	1.425	.377	.005020
1.377	.531	.100125	1.382	.633	.020030		890	.025040	1.408		.030050	1.417	.983	.060080	1.425	.438	.010020
1.377	.754	.060080	1.382		.005010		906	.050070	1.408		.005010	1.417	.997	.050070	1.425	.440	.070090
1.377	.756	.050075	1.382		.060080	1.399 1.1		.030050	1.409	.502	.005010	1.417		.030040	1.425	.502	.005020
1.377	.790	.020040	1.382		.005010	1.399 1.2		.005010	1.409	.503	.005010	1.417		.050060	1.425	.504	.005020
1.377	.860	.005010	1.382		.020040		140	.020040	1.409	.766	.015070	1.417		.020040	1.425	.505	.010020
1.377	.895	.032048	1.383	.629	.090125		269	.050070	1.409		.005010	1.417		.050070	1.425	.515	.005010
1.377	.983	.060080	1.383		.030050		282	.070090	1.409		.050060	1.418	.204	.040060	1.425		.005020
1.377	.985	.005010	1.384	.314	.090110		379	.080100	1.409		.005010	1.418	.322	.010020	1.425		.005010
1.377	.997	.030050	1.384	.543	.020030		380	.105125	1.410	.265	.060080	1.418	.375	.070090	1.425		.040050
1.377	1.001	.025090	1.384	.758	.005010	1.400 .5	500	.040060	1.410	.500	.015030	1.418	.473	.005010	1.425	1.188	.010020
	1.018	.030050	1.384		.012025		503	.005015	1.410	.660	.015030	1.418	.474	.010020	1.425		.060075
1.377	1.029	.040060	1.384	1.318	.005010	1.400 .5	505	.080100	1.410	.690	.105135	1.418	.477	.005010	1.426	.888	.005020
1.377	1.100	.005010	1.385	.567	.080105	1.400 .5	549	.020040	1.410	.855	.030050	1.418	.478	.100120	1.426	1.055	.005010
	1.241	.005010	1.385	.578	.031042	1.400 .5	564	.010020	1.410	.897	.060090	1.418	.504	.005010	1.426	1.100	.005010
1.378		.050075	1.385	.796	.005010		627	.015030	1.410	1.030	.020040	1.418	.505	.010020	1.426	1.110	.005010
1.378		.005010	1.385	.920	.015020	1.400 .6	696	.020032	1.410	1.110	.030050	1.418	.807	.080104	1.426	1.188	.025040
1.378	.240	.105125	1.385	1.010	.030060	1.400 .7	751	.110130	1.410	1.143	.010020	1.418	.880	.010020	1.426	1.261	.005020

1.427 250 .050075 1.436 1.195 .032050 1.440 .250 .060070 1.450 .201 .025040 1.461 .180 .070080 1.474 1.181 .005010 1.440 .332 .005010 1.450 .208 .050075 1.461 .875 .030050 1.474 1.357 .005010 1.460 .208 .080075 1.461 .875 .007000 1.474 1.358 .015021 .041 .050010 1.440 .375 .090120 .1450 .202030 1.461 .134 .005010 .1474 .135 .005010 .1460 .202 .030 .1461 .134 .005010 .1475 .509 .005010 .1450 .262 .020030 1.461 .134 .005010 .1475 .509 .005010 .1450 .282 .040060 .1461 .134 .005010 .1450 .482 .040060 .1462 .502 .080010															7		SIZL	
1492 1592 1593 1593 1594	OD	ΙD		0.0	ΙD	Choose Any	0.0	ΙD		OD	ΙD		OD	I D		0.0	ID	Choose Any
1.422 1.434 1.665			From To			From To	O.D.		From To		1.0.	From To	O.D.		From To			From To
1.422 1.442																		.040060
1.427 1.248	1.427	.250	.050075						.060070				1.461		.070080	1.474	1.180	.005010
1.427 1.252																		.005010
1429 1289									.090120				1.461	1.172	.050070	1.474		.015025
1,428 1,049 1,069 1,487 1,486 1,010 1,497 1,486 1,010 1,497 1,487 1,489 1,000 1,487 1,489 1,48									.005010				1.461	1.34	.005010	1.475		.005010
1.428 1.649 1.647 2.669 1.647 2.669 2.669 1.649	1.427	1.257	.025040		1.320	.005010	1.440		.005010				1.461			1.475		.110130
1,422 1,439	1.428	1.014		1.437		.010020	1.440		.005010	1.450	.380	.005020	1.462	.502	.080100	1.475	.504	.006015
1.422 1.432 0.05 0.01 1.437 2.47 0.07 0.00 1.440 1.00 0.00 0.00 1.460 0.00 0.	1.428	1.066	.015032	1.437	.206	.025125	1.440	.438	.040060	1.450	.442		1.462	.563	.048062	1.475	.526	.080100
1,429 1,762 1,762 1,763 1,767 1,76	1.428	1.249	.005010	1.437	.255	.005010	1.440	.504	.005020	1.450	.449	.010020	1.462	1.070	.080100	1.475	.620	.005010
1.429 1.130 0.02 0.030 1.437 3.76 0.05 0.02 1.440 378 0.040 0.000 1.450 3.81 3.000 1.100 1.438 3.81 3.000 1.101 1.475 8.81 0.002 0.001 1.440 1.102 0.000 1.440 1.001 1.401 1.401 1.4															.008075			.005020
1429 1260 020 040 047 378 075 055 1440 891 075 025 045 0																		
1429 1949 040 060 1479 383 065 060 1440 1079 060																		
1,490 1,992 0,903 0,906 1,497 1,99																		.005010
1,480 376 076 080 076 080 076 080 076 1,440 1,720 080 076 080 076 080 080 076 080 080 076 080																		.040060
1,440 5,49 0.05 -0.01 1,437 420 0.05 -0.01 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,137 0.05 0.05 1,440 1,138 0.05 0.05 0.05 0.05 1,440 1,138 0.05																		
1.480																		
1430 688 605 - 501																		
1440 746																		
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1440 1450 1450 1451 1450																		
1.430 1.086 000 -000 1.437 639 0.05 - 0.05 1.441 1.281 0.005 -0.01 0 1.460 1.090 0.05 -0.01 1.461 1.300 0.05 0.00 1.478 1.310 0.025 -0.04 1.431 1.310 1.025 0.005 -0.01 1.437 7.761 0.05 -0.00 1.462 1.310 0.05 0.00 1.478 1.300 0.00 0.03 1.431 1.310 1.328 0.05 -0.01 1.437 7.761 0.05 -0.01 1.432 1.310 1.325 0.05 -0.01 1.437 1.310 1.328 0.05 -0.01 1.437 1.310 1.328 0.05 -0.01 1.437 1.310 1.328 0.05 -0.01 1.437 1.310 1.328 0.05 0.00 1.437 7.681 0.00 1.432 1.310 1.																		.010040
1,430 1,085 0,080 0,090 1,437 689 1,00 1,25 1,442 1,131 1,002 0,080 1,450																		.080100
1,430 1,128 0,05 0,05 0,05 1,437 764 1,020 0,05 1,427 1,05 1,128 1,05 1,																		.025042
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١/١٠ - 100. 1/0. 1/0. 1/0. 1/0. 1/0. 1/0. 1/0.																		
	1.430	1.104	.000000	1.408	1.200	.010000	1.443	1.022	.010020	1.400	1.109	.000000	1.474	.510	.010020	1.400	.074	.000070

O.D. I.D.	Choose Any	00 10	Choose Any	O.D. I.D.	Choose Any	00 10	Choose Any	00 10	Choose Any	0.0	LD	Choose Any
O.D. 1.D.	Thickness* From To	O.D. I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To						
1.485 .771	.050070	1.492 1.118	.005010	1.496 .625	.050080	1.498 .502	.005010	1.499 .967	.105125	1.500	.411	.020050
1.485 .794	.005010	1.492 1.130	.015030	1.496 .630	.005075	1.498 .521	.015025	1.499 .995	.005010	1.500	.413	.075090
1.485 .846	.005020	1.493 .433	.105125	1.496 .720	.010020	1.498 .607	.005010	1.499 1.000	.015030	1.500	.437	.040125
1.485 .901	.134156	1.493 .521	.005010	1.496 .762	.005010	1.498 .625	.040060	1.499 1.003	.005012	1.500	.438	.180187
1.485 .919	.030040	1.493 .748	.015030	1.496 .767	.010020	1.498 .687	.030125	1.499 1.011	.110130	1.500	.440	.005080
1.485 .970	.032042	1.493 .758	.032060	1.496 .783	.100125	1.498 .688	.105125	1.499 1.046	.050075	1.500	.442	.005032
1.485 1.108	.050070	1.493 .776	.020030	1.496 .900	.005010	1.498 .690	.100125	1.499 1.047	.040060	1.500	.450	.100125
1.485 1.166	.015030	1.493 .810	.005010	1.496 .946	.005010	1.498 .754	.020030	1.499 1.052	.050070	1.500	.451	.005010
1.485 1.223	.015030	1.493 1.008	.050070	1.496 .994	.010020	1.498 .757	.040060	1.499 1.059	.070090	1.500	.453	.170190
1.485 1.250	.005012	1.493 1.062	.030050	1.496 1.002	.015030	1.498 .771	.005048	1.499 1.098	.030050	1.500	.454	.100125
1.485 1.357	.015025	1.493 1.136	.010025	1.496 1.003	.040060	1.498 .819	.005010	1.499 1.117	.040060	1.500	.479	.156187
1.486 .139	.005010	1.493 1.191	.030050	1.496 1.007	.005010	1.498 .825	.005010	1.499 1.123	.080100	1.500	.497	.105125
1.486 .650	.100125	1.493 1.229	.005010	1.496 1.014	.060080	1.498 .844	.100125	1.499 1.135	.040060	1.500	.498	.070090
1.486 .803	.005010	1.493 1.242	.005010	1.496 1.017	.050075	1.498 .867	.005010	1.499 1.142	.005012	1.500	.500	.005060
1.486 .830	.040062	1.493 1.259	.010020	1.496 1.060	.005010	1.498 .902	.025040	1.499 1.150	.040060	1.500	.502	.005030
1.486 .893	.005010	1.493 1.273	.060070	1.496 1.066	.005010	1.498 .979	.050070	1.499 1.202	.005015	1.500	.505	.005050
1.486 .906	.005010	1.493 1.299	.005010	1.496 1.102	.070090	1.498 .997	.030050	1.499 1.250	.050075	1.500	.506	.005125
1.486 1.090	.050075	1.493 1.314	.005010	1.496 1.114	.010020	1.498 1.000	.060080	1.499 1.256	.030040	1.500	.512	.060156
1.486 1.229	.070090	1.494 .271	.015030	1.496 1.162	.005010	1.498 1.012	.040060	1.499 1.260	.040060	1.500	.513	.100125
1.486 1.330	.005015	1.494 .330	.005020	1.496 1.181	.010020	1.498 1.014	.100125			1.500	.515	.100125
1.486 1.380	.015030	1.494 .474	.005010	1.496 1.189	.005010	1.498 1.015	.005015			1.500	.519	.080104
1.487 .949	.080104	1.494 .477	.005010	1.496 1.216	.010020	1.498 1.013	.005010	4 -	00	1.500	.521	.105125
1.487 1.128	.005010	1.494 .637	.005010	1.496 1.221	.040060	1.498 1.032	.020040			1.500	.530	.015125
1.487 1.233	.015030	1.494 .650	.007020	1.496 1.245	.020040	1.498 1.033	.005010			1.500	.536	.006134
1.487 1.368	.020030	1.494 .760	.060080	1.496 1.253	.050070	1.498 1.040	.105135			1.500	.537	.030048
1.487 1.374	.010020	1.494 .857	.080104	1.496 1.255	.040060	1.498 1.065	.005012	1.500 .084	.020035	1.500	.550	.090125
1.488 .390	.020030	1.494 .937	.030050	1.496 1.260	.005075	1.498 1.066	.030050	1.500 .094	.005010	1.500	.560	.005015
1.488 .550	.100125	1.494 1.024	.030050	1.496 1.270	.005010	1.498 1.071	.015030	1.500 .126	.040060	1.500	.562	.050190
1.488 .804	.050070	1.494 1.057	.080104	1.496 1.311	.010020	1.498 1.072	.110130	1.500 .120	.020032	1.500	.563	.015030
												.100120
	.005010	1.494 1.060	.064078	1.497 .145	.020040	1.498 1.098	.030060	1.500 .135	.090104	1.500	.564	
1.488 1.043	.005010	1.494 1.075	.050060	1.497 .195	.025042	1.498 1.125	.090120	1.500 .150	.040062	1.500	.571	.025040
1.488 1.217	.010020	1.494 1.092	.040060	1.497 .375	.050083	1.498 1.130	.100120	1.500 .156	.030125	1.500	.577	.010015
1.488 1.313	.030042	1.494 1.175	.015025	1.497 .377	.105125	1.498 1.169	.025040	1.500 .157	.030050	1.500	.579	.110130
1.488 1.330	.030042	1.494 1.201	.035050	1.497 .379	.042062	1.498 1.178	.010020	1.500 .161	.100125	1.500	.605	.050070
1.488 1.350	.005010	1.494 1.265	.005010	1.497 .386	.062080	1.498 1.268	.040060	1.500 .163	.010040	1.500	.625	.030050
1.489 .383	.070090	1.494 1.270	.010015	1.497 .421	.156187	1.498 1.305	.030050	1.500 .185	.050083	1.500	.626	.010125
1.489 1.004	.050070	1.494 1.305	.005010	1.497 .477	.005010	1.498 1.319	.005010	1.500 .188	.005010	1.500	.634	.005010
1.489 1.165	.015030	1.494 1.338	.010020	1.497 .515	.100125	1.498 1.321	.030048	1.500 .194	.025042	1.500	.636	.060180
1.489 1.260	.050075	1.494 1.342	.008015	1.497 .559	.100125	1.498 1.378	.005010	1.500 .195	.048075	1.500	.638	.020040
1.490 .170	.025042	1.494 1.414	.015025	1.497 .612	.020030	1.498 1.396	.015025	1.500 .200	.010030	1.500	.640	.110130
1.490 .171	.030050	1.494 1.425	.025040	1.497 .620	.010060	1.499 .098	.050075	1.500 .209	.105125	1.500	.655	.005020
1.490 .243	.080100	1.495 .263	.005010	1.497 .632	.010020	1.499 .127	.080090	1.500 .219	.050070	1.500	.656	.075130
1.490 .325	.156187	1.495 .276	.005010	1.497 .655	.075100	1.499 .167	.005010	1.500 .245	.032060	1.500	.660	.040060
1.490 .511	.105125	1.495 .294	.020032	1.497 .723	.060083	1.499 .187	.020040	1.500 .250	.010020	1.500	.665	.005010
1.490 .580	.015030	1.495 .295	.100125	1.497 .753	.025040	1.499 .197	.125156	1.500 .259	.060090	1.500	.687	.030050
1.490 .630	.010020	1.495 .354	.105135	1.497 .755	.025042	1.499 .213	.005010	1.500 .265	.100125	1.500	.688	.050070
1.490 .688	.080100	1.495 .355	.005010	1.497 .757	.010030	1.499 .268	.070090	1.500 .266	.015025	1.500	.690	.120135
1.490 .760	.020030	1.495 .375	.030050	1.497 .763	.005015	1.499 .281	.100125	1.500 .267	.005010	1.500	.694	.005010
1.490 .764	.030050	1.495 .459	.156187	1.497 .772	.030048	1.499 .303	.040060	1.500 .269	.030048	1.500	.700	.070090
4 400 000	.040060	1.495 .500	.105125	1.497 .810	.005010	1.499 .314	.010020	1.500 .275	.080090	1.500	.701	.050070
			.070090		.005010							
1.490 .875	.100125	1.495 .510		1.497 .891		1.499 .374	.030050	1.500 .280	.040060	1.500	.703	.005010
1.490 1.004	.005010	1.495 .545	.010020	1.497 .906	.100120	1.499 .385	.135156	1.500 .281	.156187	1.500	.713	.005010
1.490 1.063	.080100	1.495 .629	.040050	1.497 1.060	.100125	1.499 .391	.156190	1.500 .282	.008015	1.500	.715	.005020
1.490 1.125	.005010	1.495 .682	.010020	1.497 1.113	.030050	1.499 .399	.005010	1.500 .283	.005010	1.500	.721	.104125
1.490 1.130	.010025	1.495 1.010	.015030	1.497 1.119	.040060	1.499 .420	.005010	1.500 .303	.005010	1.500	.725	.070090
1.490 1.140	.025050	1.495 1.028	.060080	1.497 1.126	.135156	1.499 .474	.005010	1.500 .311	.104134	1.500	.749	.010025
1.490 1.170	.015030	1.495 1.058	.005010	1.497 1.137	.005010	1.499 .485	.050075	1.500 .312	.160190	1.500	.753	.010125
1.490 1.190	.005010	1.495 1.086	.005010	1.497 1.150	.090110	1.499 .504	.005020	1.500 .313	.062080	1.500	.754	.040060
1.490 1.190	.005010	1.495 1.116	.090104	1.497 1.154	.025040	1.499 .533	.005010	1.500 .315	.002000	1.500	.758	.105125
1.490 1.193	.010020	1.495 1.120	.005010	1.497 1.242	.030050	1.499 .561	.005010	1.500 .325	.048075	1.500	.760	.030050
1.490 1.242	.090125	1.495 1.182	.060080	1.497 1.252	.005012	1.499 .562	.015025	1.500 .327	.005010	1.500	.761	.100125
1.490 1.272	.060080	1.495 1.185	.020030	1.497 1.267	.040062	1.499 .563	.010020	1.500 .330	.120135	1.500	.765	.020080
1.490 1.280	.005010	1.495 1.201	.010025	1.497 1.283	.005010	1.499 .574	.050060	1.500 .340	.005010	1.500	.768	.020030
1.490 1.290	.040060	1.495 1.255	.010020	1.497 1.352	.010020	1.499 .599	.030050	1.500 .345	.050070	1.500	.781	.015110
1.490 1.295	.005010	1.495 1.257	.060080	1.498 .128	.015030	1.499 .626	.005010	1.500 .346	.105135	1.500	.782	.050075
1.490 1.345	.010020	1.495 1.260	.005010	1.498 .142	.040060	1.499 .630	.005020	1.500 .349	.005010	1.500	.783	.156187
1.490 1.360	.005025	1.495 1.275	.005010	1.498 .176	.010015	1.499 .643	.005010	1.500 .364	.005010	1.500	.785	.030040
1.490 1.361	.040060	1.495 1.318	.005010	1.498 .252	.100125	1.499 .676	.030060	1.500 .372	.040060	1.500	.786	.005010
1.491 .063	.005010	1.495 1.339	.005010	1.498 .253	.042062	1.499 .710	.030050	1.500 .375	.060187	1.500	.788	.105135
1.491 .875	.100125	1.495 1.354	.005010	1.498 .262	.005010	1.499 .750	.070090	1.500 .376	.015025	1.500	.792	.005040
1.491 .994	.105120	1.495 1.400	.020040	1.498 .266	.100125	1.499 .759	.060080	1.500 .377	.005010	1.500	.804	.005012
1.491 1.001	.005010	1.496 .100	.005010	1.498 .313	.040060	1.499 .760	.060080	1.500 .379	.030050	1.500	.806	.080104
1.491 1.063	.080100	1.496 .250	.030050	1.498 .360	.005010	1.499 .763	.040060	1.500 .384	.010025	1.500	.810	.025040
1.491 1.210	.010020		.005010					1.500 .385	.005010	1.500		.050100
		1.496 .256		1.498 .379	.005010		.005125				.812	
1.491 1.312	.005010	1.496 .296	.010020	1.498 .380	.120135	1.499 .768	.010020	1.500 .391	.050070	1.500	.813	.050100
1.492 .394	.005010	1.496 .438	.040060	1.498 .390	.105130	1.499 .813	.090105	1.500 .392	.010020	1.500	.817	.005135
1.492 .803	.016025	1.496 .473	.005020	1.498 .400	.170190	1.499 .835	.030050	1.500 .395	.050083	1.500	.820	.020040
1.492 .886	.020032	1.496 .474	.005010	1.498 .406	.050125	1.499 .876	.005010	1.500 .397	.030050	1.500	.830	.015135
1.492 1.011	.020040	1.496 .512	.170190	1.498 .412	.005010	1.499 .880	.040060	1.500 .398	.005015	1.500	.841	.040050
1.492 1.062	.100125	1.496 .620	.015050	1.498 .500	.005015	1.499 .881	.040060	1.500 .406	.005187	1.500	.853	.080104
1.492 1.002	.100125	1.450 .020	.010050	1.430 .300	.005015	1.433 .061	.040000	1.500 .406	.005167	1.500	.003	.000104

									140	100	LING OII	Aliai	- 1 01	AITIOI	11112	SIZL	LIGILD
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
		From To			From To			From To			From To			From To			From To
1.500	.871	.010020		1.266	.010020	1.504		.062090	1.524	.329	.110130	1.535	.788	.050070	1.550	.438	.005030
1.500 1.500	.873 .874	.170190		1.274 1.275	.010020 .008018	1.504 1.504	1.287	.040060 .010020	1.524 1.524	.432 .435	.100125 .040060	1.535 1.535	.867 .904	.105125 .100125	1.550 1.550	.440 .449	.005010 .010020
1.500	.876	.100125	1.500		.006016	1.504	.408	.010020	1.524	.560	.040060	1.535		.080104	1.550	.500	.050070
1.500	.877	.100125		1.282	.008016	1.505	.440	.156187		1.274	.040060	1.535	1.138	.005020	1.550	.502	.005010
1.500	.880	.010020		1.298	.010025	1.505	.510	.105125	1.524		.040060		1.140	.030040	1.550	.505	.010020
1.500	.882	.110134	1.500		.050075	1.505	.845	.025035	1.525	.250	.050070		1.290	.005010	1.550	.522	.005010
1.500	.883	.040125	1.500		.050070		1.003	.015030	1.525	.265	.005010	1.535		.060080	1.550	.626	.005020
1.500	.886	.156187	1.500	1.316	.010020	1.505	1.109	.040060	1.525	.268	.005010	1.535	1.344	.012025	1.550	.629	.005010
1.500	.892	.105120	1.500	1.332	.025040	1.505	1.310	.015025	1.525	.501	.005010	1.535	1.378	.020035	1.550	.635	.015035
1.500	.893	.062090		1.358	.050070	1.506		.050075	1.525	.617	.050060	1.536	.188	.090120	1.550	.704	.005010
1.500	.900	.040060		1.376	.015060		1.324	.005010	1.525	.657	.005010	1.536	.501	.010020	1.550	.750	.020040
1.500	.904	.104125			.030050	1.508	.315	.105125	1.525	.685	.040060	1.536	.576	.015030	1.550	.752	.105125
1.500	.908	.026048	1.501	.125	.075090	1.508	.910	.080105	1.525	.800	.010020	1.536	.651	.015030	1.550	.755	.010020
1.500	.910 .934	.140160	1.501	.188	.020040	1.509	.301	.090120		1.231	.005010	1.536 1.536	.694 .710	.015020		1.221	.005010
1.500	.935	.030040	1.501	.200	.100125	1.510	.510	.060080	1.525		.070090	1.536	.712	.030050		1.250	.005010
1.500	.937	.050075	1.501	.280	.060090	1.510	.900	.030050	1.525		.040060	1.536	.811	.005010	1.550		.015025
1.500	.938	.093109	1.501	.336	.105125		1.032	.015030		1.280	.040060	1.536		.050070		1.321	.010020
1.500	.942	.105134	1.501	.372	.050070	1.510		.015030	1.526		.025042	1.536		.135156		1.415	.005010
1.500	.954	.050070	1.501	.382	.005012	1.510	1.236	.005010	1.526	1.345	.005010	1.537	.407	.075125	1.550	1.416	.015020
1.500	.958	.020040	1.501	.385	.090125	1.510	1.258	.005010	1.526	1.376	.050070	1.537	.501	.010020	1.550	1.439	.005010
1.500	.970	.080100	1.501	.437	.005010	1.510	1.312	.060070	1.527		.060078	1.537	.670	.005010	1.551	.289	.050070
1.500	.975	.005010	1.501	.508	.030050	1.511	.213	.090100	1.527		.015030		1.288	.042062	1.551	.438	.010020
1.500	.993	.025040	1.501	.514	.005010	1.511	.630	.080105	1.528	.187	.025040	1.537		.005010	1.551	.440	.010020
1.500	.996	.050070	1.501	.626	.010020	1.511	.792	.090105	1.528	.195	.050100	1.539	.562	.010020	1.551		.060080
	1.001	.005015	1.501	.715	.005010	1.511	.823	.170190	1.528	.250	.010030	1.539		.015030	1.551		.010020
	1.002	.040090	1.501	.755	.010020	1.511		.005010	1.528	.728	.005010	1.539	1.220	.015030	1.551		.105125
1.500 1.500		.005156 .015050	1.501 1.501	.773 .817	.100125 .100125	1.511 1.511		.050075 .040060	1.528 1.528	1.009	.050070 .010020	1.539 1.539	1.336 1.359	.040060 .030050	1.551 1.552	1.460	.060080 .005010
1.500		.010070	1.501	.820	.040060	1.511		.005010		1.285	.020040	1.539	1.462	.005010	1.553	.854	.005010
1.500		.040140	1.501	.840	.010020	1.512		.005010	1.529	.466	.005010	1.540	.512	.105125	1.553	.859	.080100
1.500		.005020	1.501	.876	.040060	1.514	.940	.125135	1.529	.791	.030050	1.540	.563	.005010	1.553	1.158	.125156
1.500		.010020	1.501	.909	.050070	1.514		.062080	1.529	.984	.080105	1.540	.910	.015030	1.554	.765	.080104
1.500		.040190	1.501	1.008	.080100	1.515	.583	.120134		1.052	.080100	1.540	1.102	.025040	1.554	.883	.010015
1.500	1.018	.100125	1.501	1.009	.005010	1.515	.765	.050070	1.529	1.117	.100110	1.540	1.200	.020030	1.554	1.000	.060080
1.500		.005012		1.010	.005010	1.515	.892	.045060	1.529		.020040	1.540	1.290	.050070		1.193	.060080
1.500		.005125		1.012	.030050		1.360	.010015		1.360	.020040	1.541	.318	.020030		1.460	.005010
1.500		.020040	1.501		.020030	1.515		.040060		1.416	.020030		1.008	.025070	1.555	.166	.080104
1.500		.005010	1.501		.025050	1.515		.020040	1.529		.005010	1.541		.005010	1.555	.650	.007012
1.500 1.500	1.025	.105125 .048134		1.133 1.188	.060080 .050070	1.515 1.516	.293	.010020 .050075	1.530 1.530	.251 .282	.015030 .060080	1.541 1.542	1.250 .833	.050070 .020030		1.060 1.100	.032060 .090120
1.500		.046134	1.501		.020030	1.516	.293	.050075	1.530	.202	.030050	1.542	.998	.020030	1.555		.080120
1.500		.005010		1.290	.020030	1.516		.005010	1.530	.536	.005010	1.542	1.193	.005010	1.555		.090105
	1.043	.005010	1.502	.185	.105135		1.199	.005010	1.530	.548	.005010	1.543	.431	.075105		1.196	.015030
1.500		.156187	1.502	.220	.060080	1.517	.755	.090104	1.530	.832	.020030	1.543		.020030		1.250	.060080
1.500		.050075	1.502	.345	.080104	1.518	.770	.050070		1.031	.075090		1.255	.050075	1.556	.164	.050062
1.500	1.063	.020040	1.502	.349	.030048	1.518	1.195	.050070		1.141	.050070	1.543	1.257	.025040	1.556	.511	.080105
1.500		.010060	1.502	.375	.060125		1.405	.005010	1.530		.010030	1.543		.030050		1.192	.050070
1.500		.005030	1.502	.411	.005010	1.519	.271	.005010		1.280	.050060	1.544		.030050	1.556		.015030
1.500		.005062	1.502	.441	.030050	1.519	.623	.005010	1.531	.333	.005010	1.544		.025040	1.556		.020040
1.500		.005010	1.502	.444	.120135	1.519	.689	.060080	1.531	.390	.100125	1.544		.005010	1.556		.010020
1.500		.032048	1.502	.562	.134187	1.520	.195	.035050	1.531	.516	.060080	1.544		.010020	1.556		.032050
1.500		.005010	1.502	.563	.005010	1.520	.328	.015020	1.531	.625	.005010	1.545	.264	.030050	1.557	.396	.005015
1.500		.105125	1.502 1.502	.648 .656	.100120	1.520 1.520	.753 .760	.100110	1.531 1.531	.689 .776	.060080	1.545 1.545	.437	.020040	1.557 1.557	.407 .770	.110130
1.500		.015030	1.502	.752	.105125	1.520	.801	.030050	1.531	.808	.030050	1.545		.020030	1.557		.075090
1.500		.025042	1.502	.877	.080100	1.520	.804	.050070	1.531		.020032	1.545		.005010	1.557		.040060
1.500		.005010	1.502	.885	.005010	1.520	.808	.040070	1.531		.025042	1.545		.050070	1.557		.105125
1.500		.070090	1.502	.891	.025040	1.520	.811	.080100	1.531		.010020	1.545		.025035	1.557		.025040
1.500		.030050	1.502	.960	.060080	1.520	.816	.060080	1.532	.098	.030050	1.546		.025040	1.557		.005010
1.500	1.178	.020040		1.015	.020030	1.520	.821	.040060		.765	.005010	1.546		.025040	1.558	.157	.015030
1.500		.060080		1.067	.100125	1.520	.838	.060080	1.532		.015025	1.547	1.007	.040064	1.558	.256	.075100
1.500		.105135	1.502		.025040	1.520	.850	.080090	1.532		.010030	1.548	.441	.010020	1.558	.375	.075090
1.500		.015125		1.119	.120135	1.520	.890	.050070	1.532		.070090	1.548	.951	.090110	1.558	.378	.060080
1.500		.005010		1.125	.005010	1.520	.891	.040060	1.532		.005010	1.548		.010020	1.558	.410	.090105
1.500		.105125		1.150	.090125	1.520		.005010	1.533		.040060	1.548		.031048	1.558	.749	.020040
1.500		.050070		1.380	.005010	1.520		.020050	1.533		.050060	1.548		.040050	1.558	.770	.105125
1.500 1.500		.005040	1.503 1.503	.509 .701	.005010 .050070	1.520 1.521	.326	.005010 .030050	1.534 1.534	.325 .505	.080104 .005020	1.548 1.549		.015030 .050070	1.558 1.558		.025040 .005010
1.500		.090105	1.503	.845	.050070	1.521	.326	.030050	1.534		.105020	1.549	.361	.050070	1.558	.776	.005010
1.500		.031048		1.008	.025040	1.521	.706	.060080	1.534		.015030	1.549	.503	.005020	1.559	.875	.110130
1.500		.015030		1.016	.015030	1.521	.889	.050070	1.534		.020040	1.549	.505	.005020	1.559		.005010
1.500		.005010		1.020	.050075	1.521		.040060	1.534		.020035	1.549	.754	.040062	1.559		.010020
1.500		.020030	1.504	.687	.010020	1.522	.966	.090110	1.535	.322	.050075	1.549		.050070	1.559		.006040
1.500		.005010	1.504	.764	.020040	1.523	.346	.050070	1.535	.330	.156187	1.549		.040060	1.559		.005020
1.500		.025040	1.504	.784	.042062	1.523	.503	.005010	1.535	.635	.025040	1.549		.005010	1.560	.191	.020040
1.500	1.252	.105125	1.504	.789	.005010	1.523	.507	.005020	1.535	.697	.156164	1.549		.030050	1.560	.242	.015030
1.500		.020030	1.504	.811	.100125	1.523	.584	.050070	1.535	.710	.005010	1.550	.245	.042075	1.560	.381	.125156
1.500	1.265	.005010	1.504	1.036	.120135	1.523	1.467	.005010	1.535	.710	.020040	1.550	.368	.020035	1.560	.391	.080105

No. Column Colu							DOKEN	S WE IA	L WASHER	S ANL FL	AI AND I	OMBLE DE	BURKED
1.50 1.50	0.0	D		00 10		00 10		00 10	Choose Any	00 10		00 10	
1.560 1.66	O.D. 1.1	.D.	From To	O.D. 1.D.		O.D. 1.D.		O.D. 1.L	From To	0.0. 1.0		O.D. 1.D.	From To
1.50	1.560 .3	392	.080105	1.562 1.187	.005010	1.569 1.331	.040060	1.575 .87	79 .005010	1.590 .59	.100125	1.600 1.000	.005010
1.500 1.50	1.560 .4	155	.100125	1.562 1.188	.020040	1.570 .168	.008012	1.575 .95	.090100	1.590 1.02	.005010	1.600 1.070	.025125
1.50	1.560 .5	808	.100125	1.562 1.203	.025048	1.570 .256	.080100	1.575 .98	35 .010156	1.590 1.299	.020035	1.600 1.101	.020030
1.500 1.50	1.560 .5	563	.015030	1.562 1.313	.005010	1.570 .346	.010020	1.575 .98	36 .050070	1.590 1.34	.010060	1.600 1.125	.015025
1.50	1.560 .6	319	.005010	1.562 1.320	.060080	1.570 .526	.080100	1.575 1.02	25 .030050	1.590 1.36	.060080	1.600 1.128	.010020
1.500 1.60	1.560 .7	772	.005010	1.562 1.323	.105125	1.570 .720	.005010	1.575 1.06	.040060	1.592 .40	.048062	1.600 1.175	.090125
1.500 1.50	1.560 .8	339	.050070	1.562 1.346	.030050	1.570 .813	.030050	1.575 1.11	10 .005010	1.592 1.17	.040060	1.600 1.205	.010020
1,500 1,600 1,50	1.560 .8	345	.025048	1.562 1.347	.040060	1.570 .870	.005010	1.575 1.11	10 .060080	1.592 1.22	.010020	1.600 1.220	.050070
1.560 1.100 1.00	1.560 .8	383	.030050	1.562 1.348	.062075	1.570 .906	.100125	1.575 1.17	78 .156187	1.593 .51	.010020	1.600 1.260	.030050
1.560 1.140	1.560 .8	391	.020040	1.562 1.354	.005010	1.570 1.003	.035060	1.575 1.20	.040050	1.593 .90	.060080	1.600 1.260	.060080
1.500 1.400 1.500 1.700 1.500 1.700 1.50	1.560 1.0	063	.135156	1.562 1.374	.025040	1.570 1.031	.080105	1.575 1.22	20 .005015	1.593 1.03	.010020	1.600 1.271	.110130
1588 1200 150-170 1505 150	1.560 1.1	100	.005010	1.562 1.375	.020040	1.570 1.032	.100125	1.575 1.24	40 .030050	1.593 1.17	.100125	1.600 1.290	.020040
1,560 1257 101- 200	1.560 1.14	140	.005010	1.562 1.376	.005010	1.570 1.190	.032042	1.575 1.33	.005010	1.593 1.17	.050075	1.600 1.300	.050060
1,560 1361 170 1261 170 1261 170 1261 12	1.560 1.2	200	.150170	1.562 1.437	.010020	1.570 1.191	.125156	1.575 1.38	.070090	1.593 1.19	.062080	1.600 1.310	.015060
1.560 1.316 0.05 .026 1.563 809 0.322 .000 1.570 1	1.560 1.2	207	.010020	1.563 .439	.005010	1.570 1.220	.050070	1.575 1.47	74 .005010	1.593 1.239	.010020	1.600 1.312	.005010
1.560 1.329 0.05 - 101 1.563 762 0.05 - 101 1.571 3.79 0.060 - 101 1.576 3.79 0.05 - 101 1.564 1.381 0.05 - 0.05 1.050 1.485 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.581 1.381 0.05 - 0.05 1.582 1.581 1.381 0.05 - 0.05 1.572 1.581 0.05 - 0.05 0.05 - 0.05 0.05 - 0.05 0.05 - 0.05 0	1.560 1.2	261	.070080	1.563 .638	.005010	1.570 1.250	.005010	1.576 .41	14 .160190	1.593 1.32	.060080	1.600 1.357	.005015
1.560 1.320 0.15 - 0.05 1.563 878 0.05 - 0.01 1.571 1.018 0.01 - 1.02 1.576 870 1.05 - 0.03 1.594 1.278 0.05 - 0.01 1.500 1.030 0.05 - 0.01 1.500 0.05 - 0.01 1.500 0.05 - 0.00 0.05 - 0.00 0.00	1.560 1.3	315	.015025	1.563 .690	.032060	1.570 1.259	.030040	1.576 .47	77 .010020	1.594 .478	.005020	1.600 1.375	.010020
1.560 1.383 0.69 - 0.07 1.583 892 0.75 - 1.00 1.571 1.018 1.00 - 1.02 1.576 828 10.52 - 1.05 1.584 1.035 1.00 - 1.00 1.00	1.560 1.3	319	.005010	1.563 .762	.005010	1.571 .379	.080100	1.576 .63	.005010	1.594 .65	.030060	1.600 1.435	.010020
1.560 1.285 0.05 - 0.00 1.585 999 105 - 1.25 1.57 1.088 0.07 - 0.00 1.57 1.088 0.07 - 0.00 1.57 1.088 0.07 - 0.00 1.57 1.088 0.07 - 0.00 1.57 1.088 0.07 - 0.00 1.57 1.088 0.05 - 0.00 1.07 1.089 1.081 1.08 0.05 - 0.00 1.080 1	1.560 1.3	320	.015025	1.563 .878	.025040	1.571 .870	.100120	1.576 .67	70 .015030	1.594 .814	.015025	1.600 1.439	.005010
1.560 1.376 0.25 0.40 1.563 1.005 1.005 1.005 1.005 0.576 1.376 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 1.005 1.005 0.005 0.005 0.005 1.005 0.005	1.560 1.3	331	.050070	1.563 .892	.075100	1.571 1.018	.100125	1.576 .82	26 .125156	1.594 1.27	.080100	1.601 .631	.005010
1.561 1.691 0.200 0.000 1.568 1.361 0.000 0.000 1.572 2.768 0.000 0.000 0.568 0.000 1.575 0.200 0.568 0.000 0.00	1.560 1.3	353	.005010	1.563 .999	.105125	1.571 1.038	.005015	1.576 .82	28 .010020	1.594 1.30	.010020	1.601 .770	.005010
1.561 285	1.560 1.3	376	.025040	1.563 1.005	.110130	1.571 1.146	.070090	1.576 .92	.005010	1.594 1.410	.005015	1.601 1.436	.005010
1.561 526 0.83 - 1.25	1.561 .1	161	.020030	1.563 1.062	.005010	1.572 .476	.005010	1.576 1.09	92 .050070	1.594 1.45	.030050	1.601 1.460	.005010
1.561 526 083 - 125 1.563 1.347 040 - 062 1.572 2.55 0.05 - 0.70 1.576 1.474 0.05 - 0.10 1.585 5.51 1.05 - 1.30 1.02 7.72 0.10 - 0.20 1.561 1.561 0.20 0.75 - 1.05 1.564 0.370 0.38 - 0.75 1.05 0.38 0.05 - 0.10 1.587 7.77 0.30 - 0.00 1.585 8.88 0.10 - 0.07 1.02 1.432 0.05 - 0.10 1.571 1.341 1.02 1.02 0.05 - 0.10 1.571 1.341 1.02 1	1.561 .2	251	.040060	1.563 1.131	.050070	1.572 .569	.050060	1.576 1.24	45 .025040	1.594 1.504	.015030	1.602 .630	.100125
1.561 6.562 0.05 - 0.01 1.563 1.402 0.20 - 0.40 1.572 7.54 0.05 - 0.01 1.577 7.77 0.00 - 0.00 1.596 1.313 1.10 - 1.30 1.602 9.73 1.00 - 1.25 1.561 1.267 0.400 0.00 1.564 5.31 0.20 - 1.40 1.575 1.254 0.00 - 0.05 1.577 7.77 0.00 - 0.00 1.596 1.30 0.10 - 2.00 1.002 1.002 1.002 0.05 - 0.00 1.561 1.561 1.768 1.000 1.564 5.511 2.000 1.572 1.254 0.05 - 0.05 1.577 9.47 1.000 0.000 1.597 1.000 0.00			.083125	1.563 1.347		1.572 .625		1.576 1.47		1.595 .55	.105125	1.602 .772	.010020
1.561 6.29 0.75 - 1.06 1.564 3.97 0.48 - 0.75 1.572 7.61 0.30 - 0.40 1.577 7.71 0.30 - 0.60 1.596 8.80 0.01 - 2.02 1.602 1.492 0.05 - 0.01 1.561 7.48 0.30 - 0.50 1.577 8.29 1.577 1.00 1.50 1.597 7.55 0.00 - 0.07 0.05 - 0.07 0.05 0.05 0.07 0.05 0.0													
1.561 7.69 0.040 0.060 0.564 5.01 0.025 0.040 1.572 1.256 0.025													
1.561 766 100 - 125 1.564 511 020 - 040 1.572 1.255 025 - 040 1.577 3.94 015 - 030 0.597 755 0.10 - 0.20 1.603 3.907 0.075 - 0.90 1.561 883 0.05 - 0.10 1.564 767 0.10 - 0.00 1.572 1.452 0.05 - 0.10 1.577 1.734 0.070 - 0.90 1.598 1.990 - 1.25 1.603 8.90 0.05 0.05 1.561 1.571 1.734 0.070 - 0.90 1.598 1.990 - 1.25 1.603 8.90 - 0.25 1.561 1.571 1.751 1.571 1	1.561 .7	749	.040060			1.572 1.254	.030050	1.577 .82	.110130	1.597 .20	.050070	1.602 1.492	.005010
1.561 768 0.05 - 0.04 1.564 7.07 0.02 - 0.034 1.572 1.288 0.07 - 0.01 1.577 1.471 0.07 0.09 1.159 0.00 - 0.09 1.603 1.012 2.5 - 0.04 1.561 1.992 0.03 - 0.05 1.564 1.123 0.02 - 0.04 1.573 5.04 0.09 - 1.03 1.578 1.781 0.03 - 0.05 1.588 0.30 - 0.05 1.004						1.572 1.255							
1.561 1.369 0.30 - 0.060 1.564 1.123 0.20 - 0.40 1.573 5.04 0.90 - 1.35 1.578 7.71 0.25 - 0.40 1.588 2.00 0.00 - 0.01 1.604 6.74 1.55 - 1.30 1.561 1.136 1.158 0.01 - 0.01 1.573 6.48 0.01 - 0.20 1.578 1.292 0.20 - 0.30 1.598 0.05 - 0.01 1.604 1.074 0.05 - 0.05 1.573 1.04 - 0.05 1.578 1.292 0.20 - 0.30 1.598 0.25 0.30 - 0.50 1.605 3.78 0.30 - 0.50 1.578 1.291 0.20 - 0.30 1.598 0.25 0.30 - 0.50 1.605 3.78 0.30 - 0.50 1.578 1.292 0.20 - 0.30 1.598 0.25 0.30 - 0.50 1.605 3.78 0.30 - 0.50 1.578 1.292 0.05 - 0.01 1.579 1.292 0.05 -													
1.561 1.369 0.30 - 0.060 1.564 1.123 0.20 - 0.40 1.573 5.04 0.90 - 1.35 1.578 7.71 0.25 - 0.40 1.588 2.20 0.00 - 0.00 1.604 6.74 1.55 1.50 1.561 1.136 1.156 1.136 0.00 - 0.01 1.573 6.48 0.01 - 0.20 1.578 1.292 0.20 - 0.30 1.508 0.20 0.00 - 0.00 1.604 6.74 1.55 1.30 1.561 1.158 0.00 - 0.01 1.573 3.71 0.40 - 0.02 1.578 1.292 0.20 - 0.30 1.508 0.25 0.30 - 0.00 1.605 3.78 0.30 - 0.05 1.561 1.251 0.40 - 0.00 1.564 1.333 0.15 - 0.30 1.573 3.12 0.15 - 0.30 1.579 5.70 0.05 - 0.01 1.598 0.30 - 0.00 1.605 3.78 0.00 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.579 1.202 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 1.503 0.05 - 0.01 0.05 0.0						1.572 1.452							
1.561 1.040 0.010 0.105 1.564 1.189 0.05 0.01 1.573 648 0.10 0.020 1.578 1.282 0.02 0.030 1.598 5.05 6.05 0.070 1.064 1.007 0.055 0.105 1.578 0.05 0.105 0.055	1.561 .9	952	.030050	1.564 1.123	.020040	1.573 .504	.090135	1.578 .77		1.598 .320	.080090	1.603 1.500	.020030
1.561 1.040 0.010 0.105 1.564 1.199 0.05 0.010 1.573 648 0.10 0.020 1.578 1.292 0.020 0.030 1.598 6.25 0.300 0.100 0.307 0.300 0.050 0	1.561 1.0)39	.030050	1.564 1.135	.050075	1.573 .641	.060083	1.578 1.06	.030050	1.598 .50	.005010	1.604 .674	.115130
1.561 1.261 0.40 0.00 1.664 1.399 0.05 0.01 1.573 373 0.40 0.062 1.578 1.298 0.10 0.05 0.01 0.1593 3.03 0.05 0.05 0.05 1.591 0.05	1.561 1.0)40	.010015				.010020					1.604 1.007	
1.561 1.261 0.40 0.60 1.564 1.424 0.05 0.01 1.573 1.913 0.05 0.010 1.579 1.222 0.10 0.20 1.598 1.020 0.05 0.010 1.605 5.022 0.020 0.05 0.010 1.579 1.232 0.010 0.05 0.010 1.598 1.000 0.05 0.010 1.605 1.002 0.05 0.010 1.581 1.003 0.05 0.010 1.565 1.022 0.05 0.010 0.05 0.010 1.580 0.005 0.010 1.605 0.000 1.005 1.005 0.000 1.005 1.005 1.005 0.000 1.005 1.005 1.005 0.000 1.005 1.005 1.005 0.000 1.005 1.005 0.000 1.005 1.005 0.005 1.005 0.000 1.005 0.0	1.561 1.1	158	.040060	1.564 1.309		1.573 .731	.040062			1.598 .62	.030050	1.605 .378	.030050
1.561 1.261 0.40 0.60 1.564 1.424 0.05 0.01 1.573 1.913 0.05 0.010 1.579 1.222 0.10 0.20 1.598 1.020 0.05 0.010 1.605 5.022 0.020 0.05 0.010 1.579 1.232 0.010 0.05 0.010 1.598 1.000 0.05 0.010 1.605 1.002 0.05 0.010 1.581 1.003 0.05 0.010 1.565 1.022 0.05 0.010 0.05 0.010 1.580 0.005 0.010 1.605 0.000 1.005 1.005 0.000 1.005 1.005 1.005 0.000 1.005 1.005 1.005 0.000 1.005 1.005 1.005 0.000 1.005 1.005 0.000 1.005 1.005 0.005 1.005 0.000 1.005 0.0													
1.561 1.399 0.05 - 0.10 1.565 1.29 0.00 - 0.40 1.573 1.012 0.05 - 0.07 1.573 1.02 0.00 - 0.00 1.580 785 0.00 - 0.00 1.580 1.080 0.05 - 0.10 1.605 1.009 1.581 1.003 0.05 - 0.10 1.565 1.262 0.00 - 0.05 1.573 1.22 0.00 - 0.00 1.580 785 0.00 - 0.00 1.580 1.280 0.05 - 0.00 1.605 1.134 0.10 - 0.30 1.562 1.201 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.580 1.281 0.00 - 0.00 0.00 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 1.580 1.281 0.00 - 0.00 0.0													
1.661 1.439 .005010 1.566 1.132 .030050 1.573 1.221 .030050 1.580 .786 .299 .005040 1.589 .269 .005070 1.605 1.134 .010030 .050 1.562 .251 .009014 1.565 1.260 .010020 1.573 1.264 .005010 1.580 .880 .050060 1.589 .899 .005001 1.606 6.65 1.033 .030050 .0			.005010	1.565 .122	.020040	1.573 1.013	.005010			1.598 1.00	.080125	1.605 .881	.015030
1.562 2.01 0.02 0.030 1.565 1.28 0.030 0.050 1.573 1.224 0.05 0.01 0.05	1.561 1.4	133	.005012	1.565 .562	.030048	1.573 1.102	.060080	1.580 .78	35 .050060	1.598 1.05	.005010	1.605 1.009	.105125
1.562 251 0.99 - 1.04 1.565 1.260 0.10 - 0.20 1.573 1.374 0.05 - 0.10 1.580 8.80 0.05 - 0.60 1.599 4.89 0.09 - 1.10 1.606 4.65 1.05 - 1.25 1.562 3.51 0.05 - 1.05 1.565 1.365 0.15 - 0.30 1.574 3.41 0.05 - 1.05 1.580 8.87 0.05 - 0.05 1.599 5.00 0.05 - 0.00 1.606 1.60 1.55 1.565 1.389 0.05 - 0.05 0.05 - 0.05 0.05 - 0.05 0.05 - 0.05 0.05 - 0.05 0.05 0.05 1.596 1.585 0.0	1.561 1.4	139	.005010	1.565 1.192	.050075	1.573 1.221	.030050	1.580 .79	95 .020040	1.598 1.269	.050070	1.605 1.134	.010030
1.582 317 0.08 0.16 1.565 1.365 0.15 0.03 0.1574 344 0.05 0.10 1.580 1.580 0.15 0.03 0.05 0.	1.562 .2	201	.020030	1.565 1.228	.030050	1.573 1.224	.135156	1.580 .82	29 .090105	1.599 .378	.005020	1.605 1.348	.030050
1.562 351 0.75 - 1.05 1.566 1.365 0.15 - 0.30 1.574 344 1.05 - 1.25 1.580 1.963 0.15 1.599 5.05 0.05 - 0.02 1.606 1.000 1.05 - 1.25 1.562 2.765 1.565 1.365 1.56			.090104									1.606 .465	.105125
1.582 378 0.48 0.75 1.585 1.389 0.50 0.75 1.574 4.10 0.05 0.10 1.580 1.135 0.00 0.05 1.599 6.30 0.05 0	1.562 .3	317	.008016	1.565 1.270	.030042	1.573 1.374	.005010	1.580 .88	.040060	1.599 .50	.005010	1.606 .516	.105125
1.562 446	1.562 .3	351	.075105	1.565 1.365	.015030	1.574 .344	.105125	1.580 .95	.110130	1.599 .50	.005020	1.606 1.000	.105125
1.562 4.48	1.562 .3	378	.048075	1.565 1.369	.050075	1.574 .410	.005010	1.580 1.01	10 .030050	1.599 .620	.015025	1.607 .562	.125156
1.562 .447 .040060 1.566 .980 .005010 .1574 .475 .010020 1.580 1.266 .040060 1.599 1.243 .015035 1.607 1.271 .025040 1.562 .562 .032050 1.566 1.360 .330 .050070 1.574 .522 .010020 1.580 1.380 .015030 1.690 1.70 .050062 1.608 1.811 .030050 1.562 .563 .56187 1.566 1.347 .035050 1.574 .828 .060080 1.580 1.472 .005010 1.600 .253 .005010 1.608 .886 .040060 .050 1.574 .055062 .056 .075 .056 .075 .056 .075 .056 .075 .056 .075 .075 .056 .075 .075 .056 .075 .0	1.562 .4	106	.105125	1.566 .257	.070090	1.574 .434	.150170	1.580 1.08	.010020	1.599 .63	.005010	1.607 .630	.092125
1.562 .563 .565 .503 .566 .1330 .050 .070 1.574 .502 .010 .020 1.580 1.310 .005 .010 1.589 1.437 .010 .020 1.680 .1310 .005 .010 1.580 .1380 .015 .005 .010 1.600 .170 .050 .060 .156 .181 .030 .050 .060 .1562 .1562 .1562 .1563 .1562 .1563 .1562 .1563	1.562 .4	108	.015030	1.566 .502	.105125	1.574 .474	.005010	1.580 1.13	35 .060080	1.599 .689	.060080	1.607 1.022	.030060
1.562 .563 .156187 .1566 1.347 .035050 1.574 .631 .010020 1.580 1.380 .156030 1.600 .150 .050 .050 .050 .050 .050 .040 .060 .050 .1562 .056 .056187 1.567 .030 .048 1.574 .984 .005010 1.580 1.472 .005010 1.600 .251 .050075 1.608 .130 .100125 1.562 .765 .010100 1.567 .978 .007015 1.574 .984 .005016 1.582 .405 .010020 1.600 .377 .005015 1.608 .130 .100125 1.562 .765 .010100 1.567 .978 .007015 1.574 .984 .005046 .1582 .450 .010020 1.600 .377 .005015 1.608 .141 .040060 .1562 .765 .005010 1.567 .992 .010020 1.574 .103 .015030 1.582 .450 .010020 1.600 .378 .005015 1.609 .411 .040060 .1562 .765 .090122 1.567 1.004 .105125 1.574 .1130 .015030 1.582 .250 .083105 1.600 .415 .075100 .1609 .633 .090120 .1562 .765 .090120 .1567 .1232 .030050 .1574 .130 .015020 1.582 1.501 .005010 .1600 .415 .075100 .1609 .633 .095016 .1562 .1562 .765 .096 .1567 .1232 .030050 .1574 .1221 .010020 1.582 1.501 .005010 1.600 .415 .005010 .1609 .435 .005010 .1509 .125 .1562 .1364 .015030 .1574 .1337 .020030 .1584 .331 .095005010 .1600 .415 .005010 .1609 .435 .005010 .1609 .435 .005 .1568 .1600 .1568 .1562 .156	1.562 .4	147	.040060	1.566 .980	.005010	1.574 .475	.010020	1.580 1.26	.040060	1.599 1.24	.015035	1.607 1.271	.025040
1.562 .563 .156187 .1566 1.347 .035050 1.574 .631 .010020 1.580 1.380 .156030 1.600 .150 .050	1.562 .5	562	.032050	1.566 1.330		1.574 .502				1.599 1.43			.010020
1.562 .564 .005020 .1566 .1416 .040060 .1574 .828 .060080 .1580 .1472 .005010 .1600 .253 .005015 .1608 .1608 .1300 .100125 .1562 .746 .075105 .1567 .729 .030048 .1574 .984 .035045 .1582 .405 .040060 .1600 .310 .030050 .1608 .1300 .100125 .1562 .750 .101 .1567 .978 .007015 .1574 .1071 .090100 .1582 .450 .010020 .1600 .377 .005015 .1608 .1414 .015030 .1562 .765 .090120 .1567 .104 .105125 .1574 .103 .015030 .1582 .350 .040060 .1600 .377 .005015 .1609 .411 .040060 .1600 .376 .005015 .1609 .411 .040060 .1560 .276 .	1.562 .5	563	.156187	1.566 1.347	.035050	1.574 .631	.010020	1.580 1.38		1.600 .170	.050062	1.608 .811	.030050
1.562 .656 .156187 1.567 .729 .030048 1.574 .984 .005010 1.581 .119 .005010 1.600 .281 .050075 1.608 1.130 .015030 1.562 .750 .010100 1.567 .978 .007015 1.574 .1071 .090100 1.582 .480 .010020 1.600 .377 .005015 1.609 .411 .040060 1.562 .762 .005010 1.567 .992 .010020 1.574 1.130 .015030 1.582 .530 .040060 1.600 .378 .005015 1.609 .411 .040060 1.562 .762 .005010 1.567 1.004 .105125 1.574 1.130 .015030 1.582 .530 .040060 1.600 .378 .005015 1.609 .411 .040060 .006													
1.562 7.46 0.75 - 1.05 1.567 9.35 0.50 - 0.75 1.574 1.071 0.90 - 1.00 1.582 4.05 0.040 - 0.60 1.600 3.77 0.05 - 0.15 1.609 4.11 0.40 - 0.60 1.562 7.62 0.05 - 0.10 1.567 9.92 0.10 - 0.20 1.574 1.03 0.01 - 0.20 1.582 4.50 0.040 - 0.60 1.600 3.78 0.05 - 0.05 1.609 4.51 0.40 - 0.60 1.562 7.62 0.05 - 0.10 1.567 9.92 0.10 - 0.20 1.574 1.103 0.12 - 0.20 1.582 5.30 0.40 - 0.60 1.600 3.78 0.05 - 0.15 1.609 5.94 0.40 - 0.60 1.562 7.81 0.83 - 1.05 1.567 1.024 0.05 - 0.15 1.574 1.103 0.12 - 0.20 1.582 3.30 0.40 - 0.60 1.600 3.78 0.05 - 0.15 1.609 5.94 0.40 - 0.60 1.562 7.81 0.83 - 1.05 1.609 1.600 3.78 0.05 - 0.15 1.609 1.600 1.500 1.574 1.103 0.12 - 0.20 1.582 1.501 0.05 - 0.10 1.600 4.15 0.75 - 1.00 1.609 8.33 0.90 - 1.20 1.562 7.82 0.80 - 1.04 1.567 1.248 0.62 - 0.90 1.574 1.221 0.10 - 0.20 1.582 1.301 0.05 - 0.10 1.600 4.78 0.90 - 1.20 1.609 8.45 0.12 - 0.20 1.562 8.34 0.10 - 0.20 1.562 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.15 - 0.30 1.574 1.321 0.321							.005010	1.581 .11	19 .005010				
1.562 7.50 0.10 - 1.00 1.567 9.78 0.07 - 0.15 1.574 1.071 0.90 - 1.00 1.582 4.50 0.10 - 0.20 1.600 3.78 0.05 - 0.15 1.609 4.11 0.40 - 0.60 1.562 7.65 0.90 - 1.20 1.567 1.004 1.05 - 1.25 1.574 1.130 0.15 - 0.30 1.582 6.34 0.10 - 0.20 1.600 4.15 0.75 - 1.00 1.609 6.33 0.90 - 1.20 1.562 7.81 0.83 - 1.05 1.567 1.232 0.30 - 0.50 1.574 1.138 0.05 - 0.10 1.582 1.250 0.83 - 1.05 1.600 4.41 1.00 - 1.25 1.609 8.45 0.01 0.25 0.40 1.562 7.82 0.83 - 1.05 1.600 0.41 1.00 - 1.25 1.609 8.45 0.10 0.25 0.40 1.562 1.23 0.05 - 0.10 1.574 1.320 0.05 - 0.10 1.582 1.250 0.83 - 1.05 1.600 4.41 1.00 - 1.25 1.609 8.45 0.12 - 0.20 1.562 1.562 1.562 1.574 1.320 0.05 - 0.10 1.582 1.250 0.83 - 1.05 1.600 4.41 1.00 - 1.25 1.609 8.45 0.12 - 0.20 1.562 1.562 1.562 1.562 1.562 1.562 1.562 1.562 1.563 1.567 1.260 0.05 - 0.10 1.574 1.320 0.05 - 0.10 1.583 1.089 0.20 - 0.40 1.600 5.02 0.05 - 0.10 1.609 1.05 0.10 1.562 1.562 1.562 1.562 1.564 1.311 0.15 - 0.30 1.574 1.337 0.02 - 0.30 1.584 1.384 1.005 0.05 - 0.10 1.600 5.03 0.06 - 0.12 1.609 1.275 1.00 - 1.25 1.562 1.562 1.562 1.563 1.562 0.05 0.05 1.567 1.380 0.44 - 0.62 1.574 1.416 0.05 - 0.10 1.585 1.40 0.42 - 0.60 1.600 5.04 0.05 - 0.20 1.609 1.275 1.00 - 1.25 1.562 0.05 0.0													
1.562 7.62 .005010 1.567 992 .010020 1.574 1.103 .015030 1.582 .530 .040060 1.600 .378 .005015 1.609 .594 .040060 1.562 .781 .083105 1.567 1.232 .030050 1.574 1.188 .005010 1.582 1.250 .083105 1.600 .415 .075100 1.609 .810 .025040 1.562 .781 .083105 1.600 .415 .075100 .1609 .810 .025040 1.562 .781 .083105 1.600 .415 .075100 .1609 .815 .015020 1.562 .020 .030050 1.574 1.281 .010020 1.582 1.301 .005010 1.600 .478 .090120 1.609 .845 .012020 1.562 .844 .120140 1.567 1.311 .015030 1.574 1.337 .020030 1.584 .834 .005010 1.600 .502 .005010 1.609 .105 .016025 .025 .030													
1.562 .785 .090120 1.567 1.004 .105125 1.574 1.130 .012020 1.582 .634 .010020 1.600 .415 .075100 1.609 .831 .090120 1.562 .782 .080104 1.567 1.248 .062090 1.574 1.188 .005010 1.582 1.250 .083105 1.600 .478 .090120 1.609 .845 .012020 1.562 .131 .015020 1.562 .131 .005010 1.560 .1567 1.248 .062090 1.574 1.321 .010020 1.583 1.089 .020040 1.600 .502 .005010 1.609 .845 .015025 .056 .016 1.567 1.240 .056010 1.574 1.321 .005010 1.583 1.089 .020040 1.600 .502 .005010 1.609 1.260 .050075 1.562 .874 .020040 1.567 1.340 .015030 1.574 1.337 .062090 1.584 1.009 .040060 1.600 .503 .006012 1.609 1.275 1.00125 1.562 .874 .020040 1.567 1.340 .040050 1.567 1.340 .040050 1.567 1.340 .040050 1.574 1.373 .062090 1.584 1.009 .040060 1.600 .503 .005010 1.609 1.275 1.00125 1.562 .996 .040050 1.568 .060 .040050 1.574 1.373 .062090 1.585 1.40 .042060 1.600 .505 .005010 1.609 1.275 1.00125 1.562 .996 .040050 1.568 .675 .005010 1.575 .355 .355 .100125 1.585 .375 .070090 1.600 .505 .005010 1.609 1.475 .005010 1.562 .925 .030060 1.568 .675 .005010 1.575 .473 .005010 1.585 1.200 .032050 1.600 .515 .010020 1.609 1.475 .005010 1.562 .937 .100125 1.568 1.311 .050070 1.575 .503 .005010 1.585 1.209 .025040 1.600 .525 .005010 1.610 1.148 .090050 1.562 .938 .015025 1.568 1.347 .005010 1.575 .503 .005010 1.586 1.209 .025040 1.600 .627 .005010 1.610 1.225 .010 - 1.25 1.562 .9													
1.562 .781 .083105 1.567 1.232 .030050 1.574 1.188 .005010 1.582 1.250 .083105 1.600 .478 .090125 1.609 .815 .025040 1.562 .381 .082080 .1567 1.248 .062090 1.574 1.221 .010020 1.583 1.089 .020040 1.600 .502 .005010 1.609 .1015 .016025 1.562 .864 .120140 1.567 1.311 .015030 1.574 1.337 .020030 1.584 .834 .005010 1.600 .503 .006012 1.609 1.260 .050075 1.562 .874 .020040 .1607 .334 .040062 .1574 .1373 .020030 .1584 .834 .005010 1.600 .503 .006012 1.609 1.260 .050075 1.562 .875 .015030 .1567 1.380 .040062 .1574 .1373 .062090 1.584 1.40 .042060 1.600 .504 .005020 1.609 1.275 .100125 1.562 .904 .040050 1.568 .060 .040050 1.575 .355 .100125 1.585 .375 .070090 1.600 .508 .010135 1.609 1.468 .048062 1.562 .906 .040050 1.568 .675 .005010 1.575 .335 .120135 1.585 1.000 .032050 1.600 .510 .010020 1.609 1.475 .005010 1.562 .932 .050075 1.568 1.031 .110130 1.575 .477 .005010 1.585 1.200 .005015 1.600 .510 .010020 1.609 1.475 .005010 1.562 .933 .105025 1.568 1.347 .005070 1.575 .503 .005010 1.585 1.260 .025040 1.600 .530 .005010 1.610 1.148 .099105 1.562 .939 .030050 1.568 1.420 .005010 1.575 .504 .010020 1.585 1.260 .015040 .600 .627 .020040 1.610 1.259 .005010 1.562 .939 .030050 1.568 1.420 .005010 1.575 .504 .010020 1.585 1.260 .015030 .050 .010 .020 1.610 1.259 .005010 1.562 .939 .030050 1.568 1.420 .005010 1.575 .594 .010020 1.585 1.260 .015													
1.562 .782 .080104 1.567 1.248 .062090 1.574 1.221 .010020 1.582 1.301 .005010 1.600 .478 .090120 1.609 .845 .012020 1.562 .812 .062080 1.567 1.260 .005010 1.573 1.320 .005010 1.583 1.089 .020040 1.600 .502 .005010 1.609 1.015 .016025 .005010 1.583 .086 .012020 .005010 1.583 .086 .010020 .005010 1.600 .503 .006012 1.609 1.015 .006075 .006015 .006 .015 .006 .015 .006 .015 .006 .015 .006 .015 .006 .015 .006 .015 .006 .016 .025 .005 .010 1.583 .006 .010 .006 .010 .006 .00													
1.562 .812 .062080 1.567 1.260 .005010 1.574 1.320 .005010 1.583 1.089 .020040 1.600 .502 .005010 1.609 1.015 .016025 1.562 .864 .120144 1.567 1.346 .015030 1.574 1.337 .020030 1.584 .834 .005010 1.600 .503 .006012 1.609 1.260 .050075 1.562 .875 .025030 1.567 1.380 .040062 1.574 1.373 .062090 1.584 1.009 .040060 1.600 .504 .005010 1.600 .050 .050010 1.609 1.275 1.00125 1.562 .994 .040050 1.568 .060 .040050 1.575 .355 .100125 1.585 .375 .070090 1.600 .505 .005010 1.609 1.475 .005010 1.562 .925 .030060 1.568 .675 .005010 1.575 .473 .005010 1.585 1.000 .032050 .1600 .515 .010020 1.609 1.475 .005010 1.562 .932 .050075 1.568 1.031 .110130 1.575 .473 .005010 1.585 1.200 .005015 1.600 .515 .010020 1.610 1.110 .015030 1.562 .937 .100125 1.568 1.110 .050070 1.575 .502 .020030 .1585 1.200 .025040 1.600 .627 .005020 .030 1.560 .036 .													
1.562 .864 .120140 1.567 1.311 .015030 1.574 1.337 .020030 1.584 .834 .005010 1.600 .503 .006012 1.609 1.260 .055075 1.562 .874 .020040 1.567 1.380 .040062 1.574 1.416 .005010 1.585 1.40 .042060 1.600 .504 .005010 1.609 1.275 .100125 1.562 .904 .040050 1.568 .060 .040050 1.575 .355 .100125 1.585 .375 .070090 1.600 .508 .001135 1.609 1.408 .048062 1.562 .906 .040050 1.568 .605 .005010 1.575 .393 .120135 1.585 .100 .510 .101020 .1600 .510 .101020 .1600 .101 .105 .001 .105 .001 .100 .100 .100 .100 .100													
1.562 .874 .020040 1.567 1.346 .015030 1.574 1.373 .062090 1.584 1.009 .040060 1.600 .504 .005020 1.609 1.275 .100125 1.562 .875 .015030 1.567 1.380 .040062 1.574 1.416 .005010 1.585 .140 .042060 1.600 .505 .005010 1.609 1.400 .020032 1.562 .904 .040050 1.568 .060 .040050 1.575 .393 .120135 1.585 .375 .070090 1.600 .510 .010020 1.609 1.475 .005010 1.562 .925 .030060 1.568 .675 .005070 1.575 .473 .005010 1.585 1.000 .010 .020 .030 1.562 .937 .100125 1.568 1.010 .050070 1.575 .502 .020030 1.585 1.200 .025													
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1.562 .904 .040050 1.568 .060 .040050 1.575 .355 .100125 1.585 .375 .070090 1.600 .508 .010135 1.609 1.468 .048062 1.562 .905 .040050 1.568 .675 .005010 1.575 .393 .120135 1.585 1.007 .010030 1.600 .510 .010020 1.609 1.475 .005010 1.562 .925 .030060 1.568 .092 .060080 1.575 .473 .005010 1.585 1.007 .010030 1.600 .515 .010020 1.610 1.110 .015030 1.562 .937 .100125 1.568 1.347 .005010 1.575 .503 .005010 1.585 1.200 .005015 1.600 .500 .020040 1.610 1.200 .020030 1.562 .938 .015025 1.568 1.420 .005010 1.575													
1.562 .996 .040050 1.568 .675 .005010 1.575 .393 .120135 1.585 1.000 .032050 1.600 .510 .010020 1.609 1.475 .005010 1.562 .932 .050075 1.568 1.031 .110130 1.575 .477 .005010 1.585 1.120 .005015 1.600 .515 .010020 1.610 1.110 .015030 1.562 .937 .100125 1.568 1.031 .110130 1.575 .477 .005010 1.585 1.200 .005015 1.600 .530 .005010 1.610 1.148 .090105 1.562 .937 .100125 1.568 1.131 .050070 1.575 .502 .020030 1.585 1.209 .025040 1.600 .625 .020040 1.610 1.251 .015030 1.562 .938 .015025 1.568 1.347 .005010 1.575 .503 .005010 1.585 1.260 .015030 1.600 .627 .005020 1.610 1.251 .015030 1.562 .938 .030050 1.568 1.420 .005010 1.575 .504 .100125 1.585 1.260 .015030 1.600 .630 .010020 1.610 1.251 .015030 1.562 .994 .070090 1.569 .361 .040060 1.575 .564 .010020 1.585 1.359 .050062 1.600 .634 .105125 1.610 1.275 .100125 1.562 .997 .020030 1.569 .504 .070090 1.575 .591 .050060 1.586 1.265 .020030 1.600 .751 .005120 1.610 1.325 .030050 1.562 1.001 1.20134 1.569 .756 .105125 1.575 .630 .005010 1.586 1.260 .005010 1.600 .751 .005010 1.610 1.325 .030050 1.562 1.008 .040060 1.569 .884 .105125 1.575 .643 .070090 1.588 1.288 .700 .050070 1.600 .874 .010020 1.610 1.422 .020035 1.562 1.003 .015025 1.569 1.140 .070090 1.575 .709 .015030 .1588 1.128 .005010 1.600 .874 .040060 1.611 1.410 .010020 1.562 1.140 .050070 1.569 1.285 .1257 .794 .005010 1.588 1.248 .													
1.562 .925 .030060 1.568 .692 .060080 1.575 .473 .005010 1.585 1.007 .010030 1.600 .515 .010020 1.610 1.110 .015030 1.562 .932 .050075 1.568 1.031 .110130 1.575 .477 .005010 1.585 1.120 .005015 1.600 .530 .005010 1.610 1.148 .090105 1.562 .937 .100125 1.568 1.110 .050070 1.575 .502 .020030 1.585 1.299 .025040 1.600 .625 .020040 1.610 1.290 .020030 1.562 .938 .015025 1.568 1.347 .005010 1.575 .503 .005010 1.585 1.260 .025040 1.600 .627 .005020 1.610 1.251 .015030 1.562 .939 .030050 1.568 1.341 .005062 1.600													
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1.562 .938 .015025 1.568 1.347 .005010 1.575 .503 .005010 1.585 1.256 .025040 1.600 .627 .005020 1.610 1.251 .015030 1.562 .939 .030050 1.568 1.420 .005010 1.575 .504 .100125 1.585 1.260 .015030 1.600 .630 .010020 1.610 1.259 .005010 1.562 .945 .070090 1.569 .361 .040060 1.575 .564 .010020 1.585 1.359 .050062 1.600 .634 .105125 1.610 1.275 .100125 1.562 .996 .062090 1.569 .584 .070090 1.575 .591 .050060 1.586 .141 .060090 1.600 .751 .050010 1.586 .126 .020030 1.610 1.325 .030050 .050010 1.586 1.290 .005010 1.6													
1.562 .939 .030050 1.568 1.420 .005010 1.575 .504 .100125 1.585 1.260 .015030 1.600 .630 .010020 1.610 1.259 .005010 1.562 .945 .070090 1.569 .361 .040060 1.575 .564 .010020 1.585 1.359 .050062 1.600 .634 .105125 1.610 1.275 .100125 1.562 .996 .062090 1.569 .504 .070090 1.575 .591 .050060 1.586 .141 .060090 1.600 .751 .105120 1.610 1.325 .030050 1.562 .997 .020030 1.569 .589 .005030 1.575 .599 .005010 1.586 1.265 .020030 1.600 .751 .005010 1.610 1.325 .030050 1.562 1.001 .120134 1.569 .756 .105125 1.575 .630 .005010 1.586 1.290 .005010 1.600 .754													
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1.562 1.032 .083105 1.569 1.030 .025040 1.575 .709 .015030 1.588 1.006 .005010 1.600 .827 .005010 1.611 1.135 .005010 1.562 1.063 .015025 1.569 1.140 .070090 1.575 .712 .040060 1.588 1.118 .105120 1.600 .874 .040060 1.611 1.410 .010020 1.562 1.128 .030048 1.569 1.187 .040060 1.575 .789 .025040 1.588 1.248 .020035 1.600 .878 .025040 1.612 1.135 .005020 1.562 1.140 .050070 1.569 1.285 .010020 1.575 .794 .005010 1.589 .505 .025040 1.600 .878 .025040 1.612 1.280 .015035													
1.562 1.063 .015025 1.569 1.140 .070090 1.575 .712 .040060 1.588 1.118 .105120 1.600 .874 .040060 1.611 1.410 .010020 1.562 1.128 .030048 1.569 1.187 .040060 1.575 .789 .025040 1.588 1.248 .020035 1.600 .878 .025040 1.612 1.135 .005020 1.562 1.140 .050070 1.569 1.285 .010020 1.575 .794 .005010 1.589 .505 .025040 1.600 .874 .040060 1.611 1.410 .010020													
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1.02 1.000 1.012 1.010 1.012 1.010 1.000 1.000 1.000 1.000 1.000 1.000 1.012 1.012 1.010 1.012 1.012 1.010 1.012 1.													
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O.D	i. D.	Thickness* From To	O.D. 1.D.	Thickness* From To	O.D. 1.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D. 1	.D. Thickness*
1.61	2 1.468	.010020	1.621 .319	.025036	1.625 .422	.040060	1.626	.780	.010020	1.638	.554	.010020	1.650 .	503 .00506
1.61	2 1.499	.005010	1.621 .758	.050075	1.625 .430	.100125	1.626	1.007	.025040	1.638 1	.020	.030050	1.650 .	504 .01002
1.61	2 1.510	.005010	1.621 1.265	.005010	1.625 .465	.015030	1.626	1.125	.040060	1.638 1	.262	.005050	1.650 .5	563 .00502
1.613	3 .315	.025040	1.621 1.275	.020040	1.625 .475	.105135	1.626	1.134	.005010	1.638 1	.375	.105125	1.650 .6	620 .01512
1.61		.020040	1.621 1.317		1.625 .498	.005010	1.626		.005040		.515	.015030		625 .00502
	3 1.124	.090100	1.621 1.480		1.625 .500	.025080	1.626		.050075	1.639	.677	.005010		626 .02003
1.61		.015030	1.622 .34	.075090	1.625 .504	.005010	1.626		.025040		.737	.060080		629 .00501
1.61		.070090	1.622 .407		1.625 .504	.005042		1.402	.005010	1.639	.990	.010020		630 .01002
1.61		.005010	1.622 .645		1.625 .514	.005010	1.627	.173	.010020		.310	.080100		
1.61		.020030	1.622 .767	.120156	1.625 .531	.100125	1.627	.314	.015030		.376	.005010		686 .06208
1.61		.040060	1.622 .894		1.625 .535	.010030	1.627	.380	.040060	1.640	.645	.005010		689 .15618
	4 1.001	.005010	1.622 .992		1.625 .536	.080100	1.627	.385	.090125		.750	.005010		750 .15619
	4 1.189	.025040	1.622 1.16	.040050	1.625 .540	.010060	1.627	.555	.156187	1.640 1		.005010		755 .01002
1.61	4 1.251	.005010	1.622 1.188	.050100	1.625 .542	.090120	1.627	.627	.062080	1.640 1	.082	.156187	1.650 1.0	010 .09010
1.61	4 1.280	.020040	1.622 1.250	.020040	1.625 .563	.025042	1.627	.693	.105135	1.640 1	.373	.010035	1.650 1.0	094 .04006
1.61	4 1.281	.010020	1.622 1.26	.050070	1.625 .564	.050075	1.627	.816	.025042	1.640 1	.399	.015030	1.650 1.	181 .02506
1.61	4 1.339	.015030	1.622 1.312	.060070	1.625 .565	.010125	1.627	.876	.015030	1.640 1	.440	.005010	1.650 1.2	250 .00503
1.61	4 1.381	.010020	1.622 1.357	.015030	1.625 .566	.100125	1.627	1.006	.105125	1.640 1	.440	.015030	1.650 1.2	252 .10515
1.61	5 .316	.010020	1.622 1.364	.020040	1.625 .571	.015030	1.627	1.125	.080104	1.640 1	.442	.050070		253 .02003
1.61		.050070	1.623 .255		1.625 .614	.015030	1.627		.005010	1.641 1		.036060	1.650 1.2	
1.61		.090100	1.623 .51	.090105	1.625 .625	.156190	1.627		.080100		.682	.105135	1.650 1.3	
1.61		.050075	1.623 .597	' .080104	1.625 .633	.060090	1.627		.005010	1.642 1		.005010	1.650 1.3	
					1.625 .634	.100090			.005010	1.642 1		.050010	1.650 1.	
	5 1.000	.050075					1.627							
	5 1.407	.020040	1.623 .782		1.625 .640	.005010	1.627		.005030	1.643	.678	.080104		413 .01502
	5 1.417	.040060	1.623 .89	.005010	1.625 .643	.170190	1.627		.005010	1.643	.755	.050080		430 .07009
	5 1.450	.005010	1.623 1.000		1.625 .656	.010020	1.627		.010020		.329	.050070		276 .03004
	5 1.456	.010020	1.623 1.032		1.625 .657	.035050	1.627		.025040	1.644	.911	.025040		690 .00501
1.610		.075100	1.623 1.063		1.625 .688	.100120	1.627		.050070	1.644	.914	.030050		818 .04006
1.61	6 1.382	.005010	1.623 1.064		1.625 .754	.050075	1.628	.129	.050070	1.644	.990	.040060	1.651 1.2	
1.610	6 1.390	.100120	1.623 1.188	.060090	1.625 .755	.090105	1.628	.323	.080105	1.644 1	.039	.015030	1.651 1.3	300 .01502
1.61	7 .417	.005010	1.623 1.208	.025040	1.625 .760	.100125	1.628	.420	.156187	1.644 1	.310	.070090	1.651 1.4	413 .02003
1.61	7 .498	.080120	1.623 1.257	.110125	1.625 .765	.090120	1.628	.508	.090120	1.644 1	.328	.075090	1.652 .5	562 .00502
1.61	7 .500	.010020	1.623 1.375	.005015	1.625 .768	.020040	1.628	.810	.040060	1.644 1	.388	.090110	1.652	786 .07009
1.61		.048062	1.623 1.410		1.625 .770	.050075		1.137	.005010	1.644 1		.040060		473 .00501
1.61		.020040	1.623 1.456		1.625 .772	.005010		1.358	.030050	1.644 1		.020040		474 .02003
1.61		.040060	1.623 1.48	.025040	1.625 .781	.100135	1.628		.005010	1.644 1		.030050		475 .00501
	7 1.060	.050070	1.624 .31	.105125	1.625 .791	.030050		1.387	.010040	1.645	.625	.015050		492 .09012
	7 1.258	.025042	1.624 .408		1.625 .797	.080100	1.629	.240	.015030	1.645	.882	.020040		502 .00501
	7 1.390	.030050	1.624 .440		1.625 .816	.090120	1.629	.284	.015030		.956	.105125		631 .00501
1.618		.110130	1.624 .62	.050070	1.625 .865	.100125	1.629	.530	.100125	1.645 1		.005010		633 .02004
1.618		.100125	1.624 .626		1.625 .875	.090125	1.629	.592	.020030	1.645 1		.140160		273 .05006
1.618		.040060	1.624 .69	.050075	1.625 .882	.060070		1.125	.015025		.328	.060080		274 .05007
1.618		.015030	1.624 .695		1.625 .932	.005012	1.629	1.319	.005010	1.645 1		.005010	1.653 1.3	326 .07009
1.618	8 .899	.030050	1.624 .875		1.625 .937	.070090	1.629	1.331	.025040	1.646 1	.236	.030050	1.653 1.3	
1.618	8 .963	.110130	1.624 .906	.100125	1.625 .999	.005032	1.629	1.388	.020030	1.646 1	.411	.015030	1.653 1.4	416 .07009
1.61	8 1.010	.105125	1.624 .917	.030050	1.625 1.000	.040060	1.630	.231	.050070	1.646 1	.427	.015030	1.653 1.4	481 .04006
1.61	8 1.035	.060090	1.624 1.005	.040060	1.625 1.000	.080090	1.630	.243	.110135	1.646 1	.435	.070090	1.653 1.4	486 .03005
1.61	8 1.134	.005010	1.624 1.015	.050100	1.625 1.004	.040060	1.630	.320	.100125	1.646 1	.460	.015025	1.654 .	128 .01002
1.61	8 1.180	.060080	1.624 1.02	.060090	1.625 1.009	.040060	1.630	.422	.140160	1.646 1	.525	.005010	1.654 .4	475 .01002
1.61	8 1.382	.020030	1.624 1.032	.020040	1.625 1.010	.005010	1.630	.828	.005010	1.647	.619	.010020	1.654 .6	632 .01002
1.619		.040060	1.624 1.083		1.625 1.016	.020036		.890	.025042		.621	.025040		639 .09010
1.619		.060070	1.624 1.100		1.625 1.032	.100125	1.630		.083120		.722	.005010		691 .00501
	9 1.470	.010020	1.624 1.129		1.625 1.062	.120134	1.630		.042062	1.647 1		.010020		820 .00501
1.62		.080105	1.624 1.128		1.625 1.002	.005135	1.630		.042002	1.647 1		.050070		834 .00505
1.62		.005010	1.624 1.13		1.625 1.125	.005135			.125156	1.647 1		.005010		886 .07009
					1.625 1.127									
1.620		.005010	1.624 1.182			.090125			.005010 .020040		.408	.062080 .040060	1.654 1.0	
1.620		.005010	1.624 1.187		1.625 1.134	.032042	1.630				.543		1.654 1.2	
1.620		.005010	1.624 1.205		1.625 1.220	.050075			.040060	1.648 1		.010020	1.654 1.2	
1.620		.090120	1.624 1.218		1.625 1.250	.015030	1.630		.030040	1.648 1		.090105	1.654 1.4	
1.620		.012020	1.624 1.260		1.625 1.255	.100125	1.630		.040060	1.648 1		.020030	1.654 1.4	
1.620		.005010	1.624 1.268		1.625 1.256	.030050	1.630		.015030	1.648 1		.005010		203 .05007
1.620		.005010	1.624 1.329		1.625 1.281	.040060	1.631		.010020	1.648 1		.040050		473 .00501
1.620		.005010	1.624 1.357		1.625 1.287	.005010	1.631	1.378	.005010	1.649	.055	.005010	1.655 .6	629 .00501
1.620	0 .759	.040060	1.624 1.376	.005010	1.625 1.296	.075083	1.631	1.438	.020035	1.649	.505	.005010	1.655 .6	633 .02004
1.620		.005010	1.624 1.378		1.625 1.303	.025042	1.631		.050070		.562	.010020		651 .08010
1.620		.005010	1.624 1.406		1.625 1.305	.005010	1.632	.513	.040060		.621	.030050		771 .02003
1.62		.005010	1.624 1.442		1.625 1.328	.060080	1.632	.565	.005010	1.649 1		.005010		905 .05007
1.62		.010020	1.625 .125		1.625 1.339	.050075	1.632		.030050	1.649 1		.060080		985 .01503
1.62	0 .920				1.625 1.375	.020070	1.633	.501	.015030	1.649 1		.050070	1.655 1.0	
1.02			1.625 137	()4() = ()6()	1.020 1.073		1.633	.828	.005010	1.649 1				
1 62	0 .940	.100125	1.625 .137		1 625 1 382	090 - 105		.020					י ממון	
1.620	0 .940 0 .963	.100125 .120134	1.625 .172	.040060	1.625 1.382	.090105						.050070	1.655 1.	
1.620	0 .940 0 .963 0 1.120	.100125 .120134 .110135	1.625 .172 1.625 .199	.040060 .050075	1.625 1.396	.080100	1.634	1.202	.030050	1.649 1	.501	.010020	1.655 1.1	179 .00502
1.620	0 .940 0 .963 0 1.120 0 1.122	.100125 .120134 .110135 .010020	1.625 .172 1.625 .199 1.625 .23	.040060 .050075 .105125	1.625 1.396 1.625 1.398	.080100 .005025	1.634 1.635	1.202 .787	.030050 .020030	1.649 1 1.650	.501 .051	.010020 .015030	1.655 1.1 1.655 1.3	179 .00502 395 .00501
1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140	.100125 .120134 .110135 .010020 .070095	1.625 .172 1.625 .199 1.625 .23 1.625 .266	2 .040060 0 .050075 .105125 0 .005010	1.625 1.396 1.625 1.398 1.625 1.406	.080100 .005025 .070090	1.634 1.635 1.635	1.202 .787 .998	.030050 .020030 .050075	1.649 1 1.650 1.650	.501 .051 .132	.010020 .015030 .010020	1.655 1.1 1.655 1.2 1.655 1.4	179 .00502 395 .00501 412 .00501
1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144	.100125 .120134 .110135 .010020 .070095 .050070	1.625 .172 1.625 .199 1.625 .23 1.625 .266 1.625 .330	.040060 .050075 .105125 .005010 .005010	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437	.080100 .005025 .070090 .060080	1.634 1.635 1.635 1.635	1.202 .787 .998 1.162	.030050 .020030 .050075 .050070	1.649 1 1.650 1.650 1.650	.501 .051 .132 .377	.010020 .015030 .010020 .030050	1.655 1.3 1.655 1.4 1.655 1.4	179 .00502 395 .00501 412 .00501 440 .03005
1.620 1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144 0 1.190	.100125 .120134 .110135 .010020 .070095 .050070 .060090	1.625 .172 1.625 .199 1.625 .23 1.625 .266 1.625 .330 1.625 .344	.040060 .050075 .105125 .005010 .005010 .006080	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437 1.626 .251	.080100 .005025 .070090 .060080 .050070	1.634 1.635 1.635 1.635 1.635	1.202 .787 .998 1.162 1.326	.030050 .020030 .050075 .050070 .020040	1.649 1 1.650 1.650 1.650 1.650	.501 .051 .132 .377 .411	.010020 .015030 .010020 .030050 .015025	1.655 1.1 1.655 1.4 1.655 1.4 1.655 1.4	179 .00502 395 .00501 412 .00501 440 .03005 541 .00501
1.620 1.620 1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144 0 1.190 0 1.261	.100125 .120134 .110135 .010020 .070095 .050070 .060090	1.625 .172 1.625 .198 1.625 .23° 1.625 .26° 1.625 .33° 1.625 .344 1.625 .362	0.040060 0.050075 .105125 0.005010 0.005010 0.006080 0.005010	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437 1.626 .251 1.626 .504	.080100 .005025 .070090 .060080 .050070 .010020	1.634 1.635 1.635 1.635 1.635 1.635	1.202 .787 .998 1.162 1.326 1.432	.030050 .020030 .050075 .050070 .020040 .050070	1.649 1 1.650 1.650 1.650 1.650	.501 .051 .132 .377 .411	.010020 .015030 .010020 .030050 .015025 .100125	1.655 1.1 1.655 1.2 1.655 1.4 1.655 1.4 1.655 1.5	179 .00502 395 .00501 412 .00501 440 .03005 541 .00501
1.620 1.620 1.620 1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144 0 1.190 0 1.261 0 1.311	.100125 .120134 .110135 .010020 .070095 .050070 .060090 .015030	1.625 .172 1.625 .199 1.625 .23 1.625 .266 1.625 .330 1.625 .344 1.625 .362 1.625 .375	040060 .050075 .105125 .005010 .005010 .060080 .055010 .060080 .005010	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437 1.626 .251 1.626 .504 1.626 .509	.080100 .005025 .070090 .060080 .050070 .010020 .105135	1.634 1.635 1.635 1.635 1.635 1.635 1.636	1.202 .787 .998 1.162 1.326 1.432 .411	.030050 .020030 .050075 .050070 .020040 .050070 .105120	1.649 1 1.650 1.650 1.650 1.650 1.650 1.650	.501 .051 .132 .377 .411	.010020 .015030 .010020 .030050 .015025 .100125 .010020	1.655 1.1 1.655 1.2 1.655 1.4 1.655 1.4 1.656 1.1 1.656 1.2	179 .00502 395 .00501 412 .00501 440 .03005 541 .00501 101 .12015 223 .09010
1.620 1.620 1.620 1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144 0 1.190 0 1.261	.100125 .120134 .110135 .010020 .070095 .050070 .060090	1.625 .172 1.625 .198 1.625 .23° 1.625 .26° 1.625 .33° 1.625 .344 1.625 .362	040060 .050075 .105125 .005010 .005010 .060080 .055010 .060080 .005010	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437 1.626 .251 1.626 .504	.080100 .005025 .070090 .060080 .050070 .010020	1.634 1.635 1.635 1.635 1.635 1.635	1.202 .787 .998 1.162 1.326 1.432 .411	.030050 .020030 .050075 .050070 .020040 .050070	1.649 1 1.650 1.650 1.650 1.650 1.650 1.650 1.650	.501 .051 .132 .377 .411	.010020 .015030 .010020 .030050 .015025 .100125	1.655 1.1 1.655 1.2 1.655 1.4 1.655 1.4 1.655 1.5	179 .00502 395 .00501 412 .00501 440 .03005 541 .00501 101 .12015 223 .09010
1.620 1.620 1.620 1.620 1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144 0 1.190 0 1.261 0 1.311	.100125 .120134 .110135 .010020 .070095 .050070 .060090 .015030	1.625 .172 1.625 .199 1.625 .23 1.625 .266 1.625 .330 1.625 .344 1.625 .362 1.625 .375	040060 .050075 .105125 .005010 .005010 .060080 .005010 .032105 .105125	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437 1.626 .251 1.626 .504 1.626 .509	.080100 .005025 .070090 .060080 .050070 .010020 .105135	1.634 1.635 1.635 1.635 1.635 1.636 1.636	1.202 .787 .998 1.162 1.326 1.432 .411 1.250	.030050 .020030 .050075 .050070 .020040 .050070 .105120	1.649 1 1.650 1.650 1.650 1.650 1.650 1.650	.501 .051 .132 .377 .411 .424	.010020 .015030 .010020 .030050 .015025 .100125 .010020	1.655 1.1 1.655 1.2 1.655 1.4 1.655 1.4 1.656 1.1 1.656 1.2	179 .00502 395 .00501 412 .00501 440 .03005 541 .00501 101 .12015 223 .09010 344 .05007
1.620 1.620 1.620 1.620 1.620 1.620 1.620	0 .940 0 .963 0 1.120 0 1.122 0 1.140 0 1.144 0 1.190 0 1.261 0 1.311 0 1.383	.100125 .120134 .110135 .010020 .070095 .050070 .060090 .015030 .005010	1.625 .172 1.625 .199 1.625 .23 1.625 .266 1.625 .330 1.625 .344 1.625 .362 1.625 .375 1.625 .395	040060 .050075 .105125 .005010 .005010 .060080 .005010 .032105 .105125 .050070	1.625 1.396 1.625 1.398 1.625 1.406 1.625 1.437 1.626 .251 1.626 .504 1.626 .509 1.626 .516	.080100 .005025 .070090 .060080 .050070 .010020 .105135	1.634 1.635 1.635 1.635 1.635 1.636 1.636	1.202 .787 .998 1.162 1.326 1.432 .411 1.250 1.377	.030050 .020030 .050075 .050070 .020040 .050070 .105120 .040060	1.649 1 1.650 1.650 1.650 1.650 1.650 1.650 1.650 1.650	.501 .051 .132 .377 .411 .424 .440	.010020 .015030 .010020 .030050 .015025 .100125 .010020 .005010	1.655 1.1.655 1.4.655 1.4.655 1.4.655 1.4.1.656 1.4.1.656 1.4.1.656 1.5.1.65	179 .00502 395 .00501 412 .00501 440 .03005 541 .00501 101 .12015 223 .09010 344 .05007 390 .03005

							BOKER	SMETAL	. WASHER	S ARE FLAT	AND I	OWRLE DE	BUKKED
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*
		From To			From To		From To		From To		From To		From To
		.005010		.500	.010105	1.690 .125	.020040	1.700 1.542		1.720 .655	.025040	1.734 1.536	.015030
1.657 1.657	.345 .352	.005010 .005010		.605 .712	.040060	1.690 .410 1.690 .711	.105125 .050070	1.701 .560 1.701 1.004		1.720 .718 1.720 .760	.005010 .105125	1.735 .113 1.735 .378	.030050 .030050
1.657		.005010		.768	.040060	1.690 .890	.080070	1.701 1.002		1.720 1.000	.060083	1.735 .896	.080105
1.657		.090110		.797	.042062	1.690 1.163	.040050	1.701 1.385		1.720 1.225	.008015	1.735 1.130	.030050
1.657		.100120		.813	.040060	1.690 1.187	.020040	1.701 1.450		1.720 1.400	.015030	1.735 1.259	.125156
1.657	1.212	.025040	1.680	.856	.040060	1.690 1.303	.030050	1.702 .208	.040060	1.720 1.464	.010020	1.735 1.265	.015030
1.658	1.182	.010015	1.680	.895	.040060	1.690 1.378	.030060	1.702 .820	.080100	1.721 1.306	.050075	1.735 1.399	.005010
1.658		.005010		.927	.040060	1.690 1.559	.005010	1.702 .825		1.721 1.408	.005010	1.735 1.438	.075090
1.659	.754	.025040		.965	.040060	1.691 .772	.010020	1.702 1.000		1.721 1.514	.020030	1.735 1.513	.093105
		.050062	1.680 1		.030050	1.691 1.083	.005010	1.702 1.120		1.722 .417	.005010	1.735 1.565	.005010
1.660	.375 .634	.050070 .010020	1.680 1 1.680 1		.090120	1.691 1.300 1.691 1.477	.050060 .005010	1.703 .114 1.703 1.320		1.722 .752 1.722 1.515	.045060	1.736 .475 1.736 1.149	.005010 .030060
1.660	.873	.070020	1.680 1		.010025	1.691 1.563	.005010	1.703 1.320		1.723 .265	.050083	1.736 1.149	.060080
1.660	.964	.010020	1.680 1		.005010	1.692 .885	.080100	1.704 .114		1.723 .354	.060080	1.737 .350	.015030
1.660		.005010	1.680 1		.032060	1.693 .803	.040060	1.704 .169		1.723 .686	.110130	1.737 .401	.005010
1.660	1.250	.015030	1.681	.196	.005010	1.693 1.122	.010020	1.705 1.250	.005012	1.723 1.415	.020040	1.737 1.501	.040060
1.660	1.354	.015030		.690	.120160	1.694 .723	.005010	1.705 1.418		1.723 1.513	.070090	1.737 1.502	.005010
1.660		.090120		.894	.050070	1.694 .984	.005010	1.706 .439		1.724 .375	.040060	1.738 .771	.015025
1.660		.090105	1.681 1		.105125	1.694 1.260	.090110	1.706 .586		1.724 1.195	.060080	1.738 .882	.090105
1.660		.110130	1.681 1		.020040	1.694 1.499	.025040	1.706 .776		1.725 1.350	.040062	1.738 .991	.010020
1.661		.080100 .025042	1.681 1 1.681 1		.040060	1.694 1.500 1.695 .203	.005015 .040060	1.707 .780 1.707 1.002		1.725 1.410 1.726 1.134	.005010	1.738 1.249 1.738 1.257	.005010 .005020
1.661		.105125	1.681 1		.005020	1.695 .203	.040060	1.707 1.002		1.726 1.134	.030070	1.738 1.260	.070090
1.661		.005010	1.682 1		.060080	1.695 .998	.005010	1.708 1.247		1.727 1.623	.020035	1.738 1.548	.005015
1.662		.040060		.819	.010020	1.695 1.010	.100125	1.708 1.311		1.728 .878	.100125	1.739 1.114	.030050
1.662		.040125		.918	.010020	1.695 1.537	.060075	1.708 1.312		1.728 1.509	.060080	1.739 1.302	.020040
1.663	.340	.005010	1.683 1		.050075	1.696 1.002	.060083	1.709 .391		1.729 .870	.020040	1.739 1.446	.040060
1.663		.020040	1.683 1		.090105	1.696 1.200	.020040	1.709 .761		1.729 1.361	.020040	1.740 .362	.050070
1.663		.060090	1.684 1		.005010	1.696 1.397	.005010	1.710 .760		1.729 1.475	.005010	1.740 .501	.025040
1.664 1.665		.015030 .050070	1.684 1 1.684 1		.025040	1.696 1.452 1.697 .453	.080105 .100125	1.710 1.093 1.710 1.345		1.730 .632 1.730 .748	.005010	1.740 .503 1.740 .765	.070090 .032060
1.665		.070090	1.684 1		.015030	1.697 .861	.090125	1.710 1.340		1.730 1.000	.080105	1.740 .703	.100125
1.665		.010016	1.684 1		.040050	1.697 1.308	.105125	1.711 1.143		1.730 1.300	.060070	1.740 1.008	.050060
1.665		.005010		.340	.025042	1.697 1.328	.005010	1.711 1.300		1.730 1.330	.010050	1.740 1.058	.060080
1.666	.895	.005008	1.685	.425	.050083	1.697 1.338	.010020	1.711 1.497	.020040	1.730 1.353	.005010	1.740 1.199	.025040
1.667		.005010		.495	.032060	1.698 .131	.015030	1.712 .905		1.730 1.390	.040060	1.740 1.236	.105125
1.668		.042060		.782	.020040	1.698 .453	.100125	1.712 1.617		1.730 1.478	.010020	1.740 1.244	.005010
1.668		.005010	1.685 1		.032060	1.698 .502	.015030	1.713 1.129		1.730 1.498	.040060	1.740 1.260	.010060
1.668	.987	.005010	1.685 1 1.685 1		.040050	1.698 .626 1.698 .715	.010020 .090105	1.713 1.500 1.714 1.408		1.730 1.541 1.731 .476	.015030	1.740 1.261 1.740 1.313	.006012
1.669 1.670	.635	.005010	1.685 1		.062080	1.698 .713	.060090	1.714 1.406		1.731 .748	.005010	1.740 1.313	.092093
1.670		.100135	1.685 1		.050060	1.698 .760	.080100	1.714 1.513		1.731 .828	.090105	1.740 1.530	.005010
1.670		.020040	1.685 1		.020030	1.698 1.449	.005010	1.714 1.541		1.731 .854	.070090	1.740 1.531	.015030
1.670	1.131	.070080	1.685 1	.567	.032050	1.699 .625	.015030	1.714 1.613	.005010	1.731 .866	.080100	1.740 1.535	.040060
1.670		.025042	1.685 1		.040060	1.699 .754	.010020	1.715 .185		1.731 .881	.040060	1.740 1.600	.005010
1.670		.005010		.317	.020040	1.699 .949	.050060	1.715 .188		1.731 1.135	.005010	1.740 1.609	.020040
1.670		.030050		.345	.050070	1.699 1.404	.005010	1.715 .950		1.731 1.195	.025040	1.741 1.010	.025040
1.670 1.670		.005010 .020040	1.686 1.686 1	.350	.005010 .005012	1.699 1.503 1.700 .125	.015030 .100125	1.715 1.033 1.715 1.513		1.731 1.255 1.731 1.497	.040050 .030050	1.741 1.239 1.742 .198	.030050 .050075
1.671	.922	.020040	1.686 1		.015030	1.700 .123	.100125	1.715 1.515		1.731 1.497	.010020	1.742 1.020	.020060
1.671		.030050	1.686 1		.015030	1.700 .206	.100120	1.716 .405		1.732 .186	.010020	1.742 1.459	.010020
1.671		.075105	1.686 1		.016025	1.700 .364	.100125	1.716 .720		1.732 .473	.005010	1.742 1.512	.060070
1.672	.874	.105125	1.686 1		.005010	1.700 .500	.005020	1.716 .953	.050070	1.732 .545	.005010	1.742 1.555	.050070
1.672		.005010		.255	.080104	1.700 .502	.005010	1.716 1.312		1.732 .630	.005010	1.743 .315	.010032
1.672		.015030		.375	.030050	1.700 .505	.010020	1.717 .410		1.732 .631	.010020	1.743 .505	.015020
1.672 1.673		.005010		.406	.105135	1.700 .578	.005010	1.717 .758 1.717 1.186		1.732 .695	.007012	1.743 .511	.005010
1.673		.005010 .040060		.484 .562	.060080 .005020	1.700 .579 1.700 .585	.090100 .135156	1.717 1.186		1.732 .748 1.732 .750	.005030	1.743 .532 1.743 1.220	.100125 .020030
1.674	.250	.005010		.634	.030050	1.700 .565	.005020	1.717 1.618		1.732 .750	.005010	1.743 1.225	.020030
1.675	.771	.060075		.756	.030050	1.700 .031	.005010	1.718 .630		1.732 1.257	.040060	1.743 1.339	.090105
1.675	.800	.042075		.893	.005010	1.700 .755	.005010	1.718 .656		1.732 1.338	.040060	1.743 1.503	.020030
1.675	.855	.005010	1.687 1		.030050	1.700 .860	.090105	1.718 .705	.135156	1.732 1.387	.025040	1.743 1.536	.040060
1.675		.060080	1.687 1		.030040	1.700 .938	.135156	1.718 1.130	.060083	1.732 1.420	.020040	1.744 1.254	.020040
		.030050	1.687 1		.060070	1.700 .990	.030040	1.718 1.187		1.732 1.429	.010020	1.744 1.322	.010020
1.677		.030050	1.687 1		.005010	1.700 1.000	.060083	1.718 1.402		1.732 1.623	.020040	1.744 1.398	.020040
1.677		.005010		.385	.070090	1.700 1.187	.010020	1.719 .481		1.732 1.630	.010020	1.744 1.447	.030050
1.677 1.678		.020030		.635 .686	.015030	1.700 1.190 1.700 1.192	.020080 .100125	1.719 .999 1.719 1.063		1.733 .634 1.733 .992	.010020 .015030	1.744 1.503 1.744 1.505	.020040 .030105
1.678	.717	.105125	1.688 1		.070090	1.700 1.192	.050075	1.719 1.063		1.733 1.257	.030050	1.744 1.505	.030105
1.678	.769	.025040	1.688 1		.030050	1.700 1.223	.005012	1.719 1.130		1.733 1.357	.040050	1.745 .125	.032060
1.678		.080100	1.688 1		.015030	1.700 1.340	.005010	1.719 1.378		1.733 1.506	.050075	1.745 .162	.015030
1.679	.897	.156188	1.688 1		.050075	1.700 1.380	.005010	1.719 1.400	.020030	1.733 1.575	.010020	1.745 .195	.005012
1.679	.951	.040060	1.688 1		.040060	1.700 1.385	.040060	1.719 1.555		1.734 .253	.105125	1.745 .315	.060080
1.679		.005010	1.688 1		.030050	1.700 1.389	.005010	1.719 1.592		1.734 .924	.005010	1.745 .503	.100125
1.679		.040060	1.688 1		.040060	1.700 1.400	.040060	1.720 .217		1.734 1.257	.100115	1.745 .505	.105125
1.679		.015030		.517	.075105	1.700 1.451	.005010	1.720 .250		1.734 1.257	.120140	1.745 .636	.005010
1.679 1.679		.005010 .040060	1.689 1.689 1	.940	.100125	1.700 1.504 1.700 1.510	.030050 .050070	1.720 .257 1.720 .265		1.734 1.382 1.734 1.399	.070090 .005010	1.745 .640 1.745 .647	.020030 .005010
1.680	.250	.040000	1.689 1		.020030	1.700 1.510	.012020	1.720 .200			.005010	1.745 .695	.100125
							023	500				000	

																SIZL	
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
1.745	.885	.050070	1.748	.770	.010020	1.750	.201	.080100	1.750	.825	.090105	1.750	1 //2	.090105	1.756	.484	.105135
	1.073	.010020	1.748	.781	.050075	1.750	.204	.105125	1.750	.830	.005010	1.750		.040060	1.757	.252	.080104
	1.101	.015030	1.748	.785	.100125	1.750	.220	.050070	1.750	.832	.050070	1.750		.050075	1.757	.629	.100125
		.010020	1.748	.875	.020040	1.750	.238	.060090	1.750	.876	.030105	1.750		.025040	1.757	1.437	.005010
1.745	1.133	.010020	1.748	.878	.005010	1.750	.250	.050075	1.750	.878	.006016	1.750	1.502	.005010	1.758	.562	.005010
1.745	1.165	.005010	1.748	.906	.050070	1.750	.251	.050075	1.750	.885	.005010	1.750	1.527	.020040	1.758	1.476	.050070
1.745	1.170	.015030	1.748	1.019	.060083	1.750	.252	.025125	1.750	.906	.100125	1.750	1.531	.030080	1.760	.445	.015030
	1.196	.020040	1.748		.005010	1.750	.256	.080104	1.750	.907	.110130	1.750	1.532	.025045	1.760	.631	.010020
	1.370	.025040	1.748		.010020	1.750	.262	.025042	1.750	.920	.030104	1.750		.010015	1.760	.767	.007016
1.745		.005010	1.748		.005010	1.750	.270	.120135	1.750	.937	.100125	1.750		.005010		1.140	.007016
1.745		.020030	1.748		.075090	1.750	.272	.010020	1.750	.943	.060080	1.750		.005010	1.760	1.270	.020040
	1.511	.005010	1.748		.040060	1.750	.320	.100120	1.750	.950	.105160		1.567	.010020	1.760	1.286	.005010
		.010020	1.748 · 1.748 ·		.015030	1.750	.342 .343	.050080	1.750	.954 1.000	.010020 .010020	1.750		.040060	1.761	.408 .699	.015030
1.745 1.746	1.561 .373	.015025 .060080	1.748		.070090 .005010	1.750 1.750	.365	.100125		1.003	.050070	1.750 1.751	1.615 .325	.020040 .005010	1.761 1.762	.408	.080105 .015030
1.746	.443	.005010	1.748		.070090	1.750	.375	.090125	1.750		.015187	1.751	.451	.105125	1.762	.538	.090110
1.746	.497	.025040	1.748		.040060	1.750	.392	.100125	1.750		.050070	1.751	.511	.005010	1.762	.950	.140160
1.746	.595	.005010	1.748		.100125	1.750	.395	.100125	1.750		.050070	1.751	.560	.010060	1.762	1.388	.060080
1.746	.781	.100125	1.748		.020040	1.750	.396	.090120	1.750	1.015	.156188	1.751	.626	.025040	1.763	.505	.030040
1.746	.906	.100125	1.748	1.499	.015030	1.750	.398	.005010	1.750	1.016	.050070	1.751	.628	.100125	1.763	.547	.090105
1.746	1.001	.040062	1.748	1.501	.030050	1.750	.401	.090105	1.750	1.019	.005020	1.751	.629	.030050	1.763	1.126	.135160
	1.046	.075090	1.748		.062083	1.750	.406	.070090	1.750		.005125	1.751	.720	.156187	1.764	.453	.010040
	1.066	.005010	1.748		.005010	1.750	.407	.156187	1.750		.010020	1.751	.890	.105135	1.764	.504	.090125
	1.133	.040060	1.749	.100	.025040	1.750	.410	.100125	1.750		.135156		1.002	.105125	1.764	.514	.105134
	1.141	.005010	1.749	.141	.060080	1.750	.436	.150187	1.750		.062083	1.751		.005010	1.764	.950	.110130
	1.169 1.190	.060080	1.749 1.749	.211 .270	.105125	1.750	.437 .438	.060120 .015030	1.750 1.750		.050070	1.751		.050075	1.764 1.764	1.268 1.475	.060090 .080104
	1.190	.090125 .100125	1.749	.270	.075090 .050075	1.750 1.750	.438 .440	.015030	1.750		.005010 .030060	1.751 1.751		.050075 .070090	1.765	.297	.042060
	1.320	.005010	1.749	.335	.005010	1.750	.440	.120140	1.750		.050060	1.751		.050070	1.765	.308	.042060
	1.448	.050075	1.749	.350	.060080	1.750	.443	.170190	1.750		.050073		1.265	.050070	1.765	.394	.005010
	1.505	.010020	1.749	.375	.005010	1.750	.500	.120140	1.750		.005010	1.751		.025040	1.765	.504	.100125
	1.535	.060080	1.749	.381	.005010	1.750	.504	.010060	1.750		.110130	1.751		.005010	1.765	.630	.008016
1.747	.282	.025040	1.749	.389	.156187	1.750	.505	.005060	1.750	1.124	.100125	1.751	1.405	.050075	1.765	.993	.100125
1.747	.286	.005010	1.749	.502	.015025	1.750	.508	.040060	1.750	1.126	.010083	1.751	1.434	.020040	1.765	1.005	.010020
1.747	.314	.100125	1.749	.534	.005010	1.750	.510	.048134	1.750	1.130	.105125	1.751	1.515	.005010	1.765	1.024	.036060
1.747	.333	.090110	1.749	.546	.156187	1.750	.515	.120135	1.750		.005010	1.751		.020035		1.044	.090105
1.747	.502	.032048	1.749	.701	.050070	1.750	.516	.005010	1.750		.015060		1.583	.025040	1.765		.030050
1.747	.515	.005010	1.749	.781	.040060	1.750	.531	.015125	1.750		.060080	1.752	.262	.100120		1.361	.050070
1.747	.531	.015030	1.749	.783	.005010	1.750	.532	.050070	1.750		.090120	1.752	.346	.120140		1.382	.062083
1.747	.543	.100125	1.749	.794	.070090	1.750	.532	.100125	1.750		.030048	1.752	.375	.030050	1.765		.020040
1.747	.565 .620	.050075 .050075	1.749 1.749	.894 .920	.005010 .005015	1.750 1.750	.535	.105125	1.750 1.750		.030080 .100125	1.752 1.752	.485	.040060 .156190	1.766 1.767	1.382 .850	.060080 .040060
1.747	.626	.032060	1.749	.937	.020040	1.750	.543	.040060	1.750		.005010	1.752	.531	.005010	1.767		.015030
1.747	.701	.125134		1.000	.025040	1.750	.551	.060080	1.750		.005010	1.752	.563	.110130	1.768	.793	.005010
1.747	.815	.010020		1.001	.050070	1.750	.562	.005187	1.750		.090110	1.752	.640	.010020		1.232	.005010
1.747	.885	.100125	1.749		.125135	1.750	.564	.010020	1.750		.015040	1.752	.800	.025040		1.380	.030050
1.747	.892	.075105	1.749	1.015	.015030	1.750	.566	.105125	1.750	1.250	.010030	1.752	.907	.180199	1.768	1.382	.005010
1.747	.906	.120140	1.749	1.020	.105135	1.750	.590	.090110	1.750	1.252	.010020	1.752	.910	.015030	1.769	.406	.080104
1.747	.908	.010020	1.749	1.031	.105135	1.750	.623	.020075	1.750	1.253	.005010	1.752	1.000	.030060	1.769	.641	.090120
1.747		.070090	1.749		.010020	1.750	.624	.100125	1.750		.020082	1.752		.020040	1.769	.838	.040060
1.747		.110130	1.749		.090105	1.750	.625	.010160	1.750		.010020	1.752		.100125	1.769		.050070
1.747		.020040	1.749		.050060	1.750	.626	.010020	1.750		.090105	1.752		.110130	1.769		.040060
1.747		.005010	1.749		.100125	1.750	.627	.005010	1.750		.080105	1.752		.020040	1.769		.025040
1.747		.005010	1.749		.010020	1.750	.628	.005032	1.750		.005042	1.752		.080100	1.770	.085	.030050
1.747		.005025 .050075	1.749		.030050	1.750 1.750	.629 .631	.005090	1.750		.040060	1.752 1.752		.083120	1.770 1.770	.439 .781	.005010 .050070
1.747 1.747		.060070	1.749		.016025	1.750	.635	.120135	1.750		.090110	1.752		.050070	1.770	.789	.040060
1.747		.005010	1.749		.125135	1.750	.637	.025040	1.750		.040060	1.752		.042062	1.770	.810	.030040
1.747		.020030	1.749		.030040	1.750	.641	.156190	1.750		.010020	1.752		.070090	1.770	.827	.030048
1.747		.042062	1.749		.040060	1.750	.655	.100125	1.750		.005008	1.753	.343	.080104	1.770		.050070
1.747		.005010	1.749		.005010	1.750	.656	.010060	1.750		.005010	1.753	.387	.040080	1.770		.010020
1.747	1.449	.005010	1.749		.156180	1.750	.657	.040060	1.750		.035050	1.753	.751	.080100	1.770		.040060
1.747		.015025	1.749		.100120	1.750	.660	.090105	1.750		.030050	1.753	.752	.105125	1.770		.005010
1.747		.015030	1.749		.010020	1.750	.686	.050075	1.750		.060080	1.753		.005010	1.770		.010020
1.748	.116	.015030	1.749		.005010	1.750	.687	.005010	1.750		.040060	1.753		.005010	1.770		.050070
1.748	.256	.010020	1.749		.005010	1.750	.688	.100125	1.750		.005020	1.753		.080100	1.77		.020040
1.748	.266	.042060	1.749		.010020	1.750	.692	.005010	1.750		.005010	1.753		.005010	1.770		.015025
1.748	.267	.030042	1.749	1.508	.025040	1.750	.703	.010020	1.750		.015025	1.753		.005008	1.771	.257	.050070
1.748 1.748	.278 .281	.005010 .048062				1.750 1.750	.733 .749	.015025 .050070	1.750 1.750		.100125 .005010	1.753 1.754	1.564 .894	.050070	1.771 1.771	.433 .812	.105125
1.748	.315	.062083				1.750	.750	.100156	1.750		.005010	1.754		.100125	1.771		.020030
1.748	.395	.010030	_			1.750	.751	.090110	1.750		.090080	1.754		.105125	1.771		.005020
1.748	.495	.020030	7		50	1.750	.754	.015030	1.750		.032050	1.754		.020030	1.771		.005010
1.748	.562	.100125			JU	1.750	.755	.005010	1.750		.005050	1.755	.186	.060080	1.772	.473	.005010
1.748	.627	.060080		-	. –	1.750	.755	.060090	1.750		.005020	1.755	.257	.040060	1.772	.501	.010025
1.748	.752	.005030	1.750	.127	.005010	1.750	.758	.005010	1.750		.008015	1.755	.281	.080100	1.772		.050060
1.748	.756	.005050	1.750	.150	.040060	1.750	.780	.156187	1.750		.070090	1.755	.322	.050070	1.772		.005010
1.748	.759	.020030	1.750	.155	.040080	1.750	.812	.042156	1.750		.005040	1.755	.906	.040062	1.772		.005010
1.748	.765	.050070	1.750	.194	.075100	1.750	.815	.005030	1.750		.120134	1.755		.060080	1.772		.015025
1.748	.767	.100125	1.750	.195	.030050	1.750	.820	.100125	1.750	1.438	.040060	1.755	1.536	.050070	1.773	.202	.050070

							DOILLI	3 IVIE	IAL	WASHER	O AI II		AND I	JIVIBL		BURKED
O.D.	LD	Choose Any	0.0	I.D.	Choose Any	O.D. I.D.	Choose Any	0.0	ID	Choose Any	0.0	I D	Choose Any	0.0	LD	Choose Any
O.D.	I.D.	Thickness* From To	O.D.	1.D.	Thickness* From To	O.D. I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To	O.D.	I.D.	Thickness* From To
1.773	.471	.130150	1.797 1	1.687	.020030	1.806 1.660	.005010	1.815	.410	.070110	1.840	1.269	.040060	1.850	1.391	.010020
1.773	.501	.005020	1.798	.096	.030050	1.806 1.690	.030050	1.815	.523	.010020	1.840	1.336	.050075	1.850	1.438	.100120
1.773	1.023	.050070	1.798	.629	.005010	1.807 .166	.035050	1.815	.772	.100125	1.840	1.343	.010020	1.850	1.570	.020050
1.773	1.149	.050070	1.798	.931	.050075	1.807 .461	.050075	1.815	.775	.125135	1.840	1.424	.050075	1.850	1.581	.005010
1.773	1.386	.070090	1.798 1	1.076	.005010	1.807 1.007	.050070	1.815	1.024	.020040	1.840	1.425	.065080	1.850	1.640	.005010
1.773	1.500	.010020	1.798 1	1.122	.105125	1.807 1.209	.090105	1.815	1.192	.080100	1.840	1.479	.040060	1.850	1.685	.015025
1.774	.127	.015030	1.798 1	1.255	.100125	1.807 1.223	.005010	1.815	1.523	.015030	1.840	1.519	.040060	1.851	1.505	.025040
1.774	1.182	.040060	1.799	.096	.030050	1.807 1.438	.040060	1.816	.751	.010020	1.840	1.600	.010020	1.851	1.590	.005012
1.774	1.362	.005010	1.799	.180	.030050	1.807 1.518	.030060	1.816	1.338	.020030	1.840	1.683	.020040	1.851	1.630	.005025
1.774	1.484	.020030	1.799	.377	.005010	1.808 .690	.030050	1.818	.631	.020030	1.841	.377	.110130	1.852	.290	.020030
1.775	1.275	.100130	1.799	.753	.042060	1.808 1.534	.010020		1.065	.015030	1.841	.402	.040060	1.852	.560	.070090
	1.511	.025040	1.799	.795	.036050	1.809 .096	.040060	1.818	1.404	.025040	1.841	.551	.105125	1.852	.629	.005010
1.775	1.517	.020040	1.799	.945	.100125	1.809 .463	.025040	1.818	1.406	.020030	1.841	1.189	.015040	1.852	1.165	.035045
1.775	1.520	.025040	1.799 1	1.020	.040060	1.809 1.063	.093113	1.818	1.498	.040060	1.841	1.404	.005010	1.852	1.378	.005010
1.776	.685	.005010		1.029	.120135	1.809 1.121	.105120		1.502	.020030	1.841		.005010	1.852		.070090
1.776	.752	.100134		1.380	.050075	1.809 1.437	.005008		1.572	.005010		1.569	.005010		1.590	.008015
	1.235	.060080		1.397	.015030	1.810 .100	.020050	1.819	.450	.010020	1.842	.378	.100125	1.854		.020030
1.776		.060080		.147	.080104	1.810 .167	.093125		1.404	.020040	1.842	.640	.025040	1.855		.070090
	1.452	.030050		.154	.050060	1.810 .180	.015030		1.580	.005008	1.842	.828	.005010		1.416	.030050
	1.576	.015025	1.800	.195	.005010	1.810 .756	.156190	1.820	.447	.010020		1.098	.080100		1.500	.125135
1.777	.998	.010020	1.800	.196	.090105	1.810 .824	.005010	1.820	.630	.010020		1.251	.090125		1.263	.105125
1.777		.010020	1.800	.308	.050103	1.810 .875	.040060		1.013	.005010		1.531	.040060	1.857	.586	.020030
1.778	.199	.020040	1.800	.473	.025040	1.810 1.059	.090120		1.450	.020010		1.643	.025040	1.857	.710	.020030
	1.682	.030050	1.800	.475	.025040	1.810 1.066	.040060	1.820		.020090	1.843	.316	.025040		1.435	.090123
1.779	.999	.050050	1.800	.490	.005020	1.810 1.000	.100125	1.820		.005010	1.843	.816	.025035		1.340	.020030
	1.057	.005010	1.800	.504	.005010	1.810 1.130	.005010		1.006	.050075	1.843	.880	.025035		1.340	.020030
	1.380	.010010	1.800	.504	.005010	1.810 1.464	.040062		1.585	.020075		1.188	.020050	1.859	.389	.025040
1.779	.250	.010020	1.800	.508	.005020	1.810 1.516	.040062		1.270	.040060		1.381	.020050	1.859	.818	.005010
1.780	.509	.020032	1.800	.510	.010021	1.811 .275	.005000		1.586	.030050	1.843		.005010		1.435	.005010
1.780	.720	.020040	1.800	.631	.010021	1.811 .313	.050060	1.823	.434	.050050		1.455	.030050		1.642	.060080
1.780	.754	.030048	1.800	.754	.005010	1.811 .501	.030050		1.066	.020040	1.843	1.706	.020040	1.860	.201	.050075
1.780	.953		1.800	.814	.010020							.260			.620	
		.120135		.880	.010020	1.811 1.013	.100125		1.135	.010100	1.844 1.844	.418	.105125	1.860	.631	.105125
1.780 1.780		.015030	1.800 1.800	.892	.062083	1.811 1.132	.005010		1.205	.020030 .035050	1.844	.816	.010020	1.860 1.860	1.268	.010020 .025050
1.780		.015030	1.800	.900	.135156	1.811 1.144 1.811 1.203	.050070	1.824	1.250	.060080	1.844	1.098	.005010		1.280	.025050
1.780		.040060	1.800	.906	.005010	1.811 1.314	.100125			.000000	1.844		.030075	1.860		.030040
				.968					1.140							
1.780		.070090	1.800	.992	.050060	1.811 1.379	.005010	1.827 ·		.005010		1.263	.005010	1.860		.050075
1.780		.030050	1.800		.060080	1.811 1.521	.025040			.062090	1.844	1.624	.005010	1.861		.005010
1.780		.020030		1.010	.120134	1.811 1.540	.090120	1.827		.090110	1.845	.140	.040060		1.510	.012025
1.781	.936	.080105	1.800 1		.080100	1.812 .213	.010125	1.827		.015025	1.845	.391	.050070	1.863	.650	.005010
1.781		.020040	1.800 1		.083120	1.812 .246	.005010		1.420	.050060	1.845	.661	.105125	1.863	.819	.005010
	1.517	.015030	1.800 1		.010020	1.812 .251	.005010		1.520	.005010	1.845	1.190	.105125		1.361	.110130
1.782	.396	.005010	1.800 1			1.812 .328	.156187	1.830	.975	.010020		1.201	.020030		1.375	.090110
1.782	.645	.005010	1.800 1		.005010	1.812 .456	.060080		1.059	.105125		1.250	.040070		1.501	.105125
1.783	.880	.010030	1.800 1		.020040	1.812 .629	.005010		1.083	.080100		1.312	.048075		1.577	.005010
	1.136	.020040	1.800 1		.005010	1.812 .751	.156187		1.46	.005010		1.384	.015030		1.482	.005010
1.784		.010020	1.800 1		.040060	1.812 .792	.035048	1.830		.050070		1.568	.025035	1.865	.354	.070090
1.784		.060080	1.800 1		.015030	1.812 1.062	.075100		1.627	.042060		1.569	.005010	1.865	.770	.050070
1.785	.881	.050070	1.800 1		.005020	1.812 1.124	.050075		1.200	.020030		1.623	.005010	1.865	.888.	.050062
1.785		.032048	1.800 1		.005010	1.812 1.130	.090125	1.832	.156	.030048	1.846	.792	.080120	1.865		.100125
1.785		.105115	1.800 1		.005010	1.812 1.156	.080104	1.832	.764	.015030	1.846		.020030	1.865		.100125
1.786		.010020	1.800 1		.025040	1.812 1.188	.050080	1.832	.765	.050070	1.846		.050070	1.865		.075100
1.788	.330	.080100		.502	.005010	1.812 1.300	.030050	1.833		.050070	1.846		.125156	1.865		.040060
1.788	.698	.050075		.505	.010020	1.812 1.312	.010015	1.833		.015030	1.847	.375	.005010	1.865		.025040
1.788		.010015		.751	.005010	1.812 1.381	.050075		.764	.020032	1.847		.120135	1.867	.315	.100125
1.788		.075100	1.801 1		.050070	1.812 1.402	.015030	1.834		.005010	1.848	.258	.005010	1.867	.334	.040060
1.788		.090105	1.801 1		.020030	1.812 1.410	.030050	1.834		.005010	1.848	.332	.050070	1.867		.040060
1.788		.050065	1.801 1		.010020	1.812 1.436	.040060	1.834		.015030	1.848	.485	.020040	1.867		.100125
1.788		.020040		.425	.040060	1.812 1.444	.040060	1.834		.015030	1.849	.375	.090105	1.868	.897	.040060
1.789	.761	.080125	1.802 1		.005010	1.812 1.445	.020040	1.835	.255	.020030	1.849		.060070	1.868		.040060
1.790	.620	.015125		.712	.070090	1.812 1.480	.050075	1.835	.430	.005010	1.849		.083100	1.868		.120140
1.790	.820	.015125		.760	.060080	1.812 1.498	.010020	1.835		.030060	1.849		.010020	1.869	.380	.040060
1.790		.005010		.906	.020032	1.812 1.510	.005010	1.835		.005010	1.850	.252	.030050	1.869	.405	.020040
1.790		.010020	1.803 1		.040060	1.812 1.522	.020040	1.835		.010020	1.850	.366	.050070	1.869	.501	.110135
1.790		.005010	1.804 1		.010020	1.812 1.523	.030050	1.836		.005010	1.850	.440	.005020	1.869		.005010
1.791		.010020	1.804 1		.005010	1.812 1.524	.015030	1.837		.005010	1.850	.502	.010020	1.869		.050105
1.791		.040060		.338	.005010	1.812 1.563	.015030	1.837		.005015	1.850	.505	.010020	1.869		.090105
1.791		.030050		.375	.090105	1.813 .251	.083104		.126	.030050	1.850	.510	.005010	1.869		.050062
1.792		.010020		.550	.025040	1.813 .751	.025040		.419	.005010	1.850	.561	.170190	1.869		.025040
1.793	.638	.005010	1.805 1		.020040	1.813 .754	.030040	1.838		.040060	1.850	.625	.030040	1.870	.080	.020040
1.793	.999	.010020	1.805 1		.030060	1.813 .906	.025040	1.838		.030050	1.850	.626	.010020	1.870	.315	.105125
1.793		.020030	1.805 1		.005010	1.813 .938	.005010	1.839		.025030	1.850	.751	.080100	1.870	.500	.100125
1.794	.387	.010020	1.805 1		.010020	1.813 1.140	.156187	1.839		.005010	1.850	.755	.010020	1.870	.505	.100125
1.794		.010020	1.805 1		.015030	1.813 1.266	.090105	1.840	.249	.060075	1.850	.967	.100120	1.870	.642	.005010
1.795	.276	.100125	1.805 1		.070090	1.813 1.323	.010020	1.840	.509	.050070	1.850		.060080	1.870	.661	.105125
1.795	.510	.105125	1.805 1		.005010	1.813 1.394	.040060	1.840	.679	.050070	1.850		.060080	1.870	.696	.060080
1.795		.005010		.206	.040050	1.813 1.585	.010020	1.840	.700	.030040	1.850		.005010	1.870	.698	.050075
1.795	1.625	.025040	1.806	.350	.005010	1.814 1.000	.100125	1.840	1.000	.020040	1.850	1.122	.005020	1.870	.795	.040060
1.796	.400	.120140	1.806 1	1.344	.015030	1.814 1.300	.025050	1.840	1.005	.005010	1.850	1.199	.040050	1.870	.880	.042062
1.796	1.688	.015030	1.806 1	1.655	.030050	1.815 .323	.005016	1.840	1.008	.090105	1.850	1.310	.005007	1.870	.901	.005010

1.00							NO TOO		ARGE FOR		THE SIZE	
1,770	O.D. I.	.D. Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*								
1,870 1.66 1.67 1	1 970 0	From To	1 974 1 470	From To	1 076 1 156	From To	1 006 1 207	From To	1 000 1 520	From To	1 000 1 605	From To
1870 1082												
1870 1869 105-126 1874 1866 091-126 1876 1866 095-146 1876												
1870 1879 1879 2979 2979 2979 2979 2979 2979 2979 2												.015030
1870 1278 1970 1971 1971 1972 1973 1974 1972 1973 1974 1972 1974												.010020
1 1 1 1 1 1 1 1 1 1	1.870 1.2			.025040	1.876 1.381	.015040	1.887 1.300	.040060		.080100	1.921 1.671	.062083
1370 1490 100 - 200 1875 159 101 - 200 1876 1806 200 - 180 1809 760 101 - 120 102 102 1070 200 - 101 1807 18	1.870 1.3	.01001	1.874 1.752	.010020	1.876 1.382	.020040	1.888 .755	.005010	1.900 1.660	.005010	1.922 .317	.015030
1,777 1,78	1.870 1.4	118 .00501	1.875 .125	.030050	1.876 1.438	.100125	1.888 .788	.050070	1.901 .626	.025040	1.922 .565	.150170
1 1 1 1 1 1 1 1 1 1	1.870 1.4	119 .01002	1.875 .159	.010020		.020060	1.889 .760	.015030	1.901 .726	.105125	1.922 .972	.080104
1370 13												.080104
1.471 1.287 6.00 7.67												
1,871 1,281 1,681 1,691 1,875 1,976 1,976 1,976 1,977 1,977 1,97												
1871 1870 0.00 0.00 1875 380 0.00 0.00 1877 320 1877 320 1870 1870 0.00 1870 1870 0.00 1870 1870 1870 1870 1870 1870 1870 18												
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1872 6826 690 697 676 490 696 697 698												.080104
1872 582 186 - 187 1875 510 090 - 128 1877 1525 015 - 030 1890 1.389 110020 1903 1901 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1903 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 1714 010 - 020 01												.050070
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1.672 1.318					1.877 1.637							.050070
1872 1837 005 - 010 1875 781 075 - 005 - 010 1876 890 005 - 010 1891 1839 040 - 000 1805 1160 005 - 010 1924 1088 025 - 04 1872 1513 005 - 010 1875 875 015 - 030 1878 781 075 - 030 1878 781 075 - 030 1878 781 075 - 030 1878 781 075 - 030 1878 781 075 - 030 1878 781 075 - 030 1878 182 105 - 125 1882 989 005 - 010 1805 1590 010 - 030 1924 1177 062 - 08 1873 182 200 005 - 010 1875 1875 880 110 - 130 1876 1875 880 110 - 130 1876 1876 005 - 010 1878 182 1875 100 - 1305 1840 005 - 010 1824 1261 055 - 07 1873 182 20 005 - 010 1875 1875 880 110 - 130 1875 1875 880 1875 1875 1875 1875 1875 1875 1875 1875	1.872 1.2			.104135	1.878 .621	.005020	1.890 1.614	.040060	1.904 1.510	.025040	1.924 .860	.062083
1872 1599 005 - 010 1875 781 075 - 090 1878 754 182 - 156 1891 1719 010 - 020 1905 1510 005 - 010 1924 1170 062 - 081 1873 177 050 - 070 1875 875 015 - 020 1878 1503 082 - 080 080 - 080 1905 - 081 1924 1170 062 - 081 1873 1873 1890 100 - 030 1878 1803 080 - 080 1891 1892 1719 000 - 010 1905 1827 1026 - 040 1824 1170 062 - 081 1873 1873 1800 080 - 080 1891 1892 1719 000 - 010 1905 1827 1026 - 040 1824 1219 062 - 081 1873 1873 1890 100 - 030 1878 1803 080 - 080 1892 1719 000 - 010 1905 1827 1026 080 - 080 1873 1873 1873 1874 1874 1874 1874 1874 1874 1874 1874							1.891 1.000			.010020		.062083
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1873 1882 015 - 2080 1875 1070 2070 - 2091 1879 1.140 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1879 1.340 0.05 - 2010 1.34												
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1873 1349 090 - 050 1875 1135 090 - 070 1879 1,463 015 - 030 1896 508 105 - 135 1907 1,157 120 - 134 19.55 7,44 060 - 0.6 1873 1386 100 - 134 1875 1,142 007 - 016 1879 1,563 025 - 040 1899 7,52 005 - 010 1907 1,485 070 - 0.90 19.55 18.0 0.00 - 0.00 1873 1386 100 - 134 1875 1,142 007 - 016 1879 1,563 0.25 - 040 1899 7,61 005 - 0.01 1909 802 0.00 00 - 0.00 19.55 1,353 0.05 - 0.00 1873 1,444 062 - 0.75 1875 1,156 0.32 - 1.95 1,685 0.55 - 040 1897 1,414 0.05 - 0.01 1909 802 0.00 - 0.00 19.55 1,317 0.00 - 1.05 1875 1,156 0.32 - 1.05 1,00 - 1.05 18.05 0.50 - 0.00 1873 1,533 0.05 - 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.												.050070
1.873 1.386 1.00 - 1.294 1.875 1.142 007 - 0.16 1.879 1.663 0.25 - 0.40 1.896 7.61 0.05 - 0.10 1.908 8.77 0.10 - 0.20 1.925 1.253 0.005 - 0.10 1.873 1.144 0.62 - 0.75 1.875 1.156 0.32 - 1.25 1.879 1.687 0.10 - 0.20 1.897 1.414 0.05 - 0.10 1.909 1.250 0.00 - 0.00 1.925 1.317 0.02 - 0.04 1.873 1.144 0.05 - 0.10 1.875 1.146 0.05 - 0.10 1.875 1.148 0.05 - 0.10 1.00 1.25 1.817 0.125 1.880 0.85 1.66 1.87 1.889 0.05 0.00 1.875 1.148 0.15 - 0.70 1.880 0.895 0.05 - 0.10 1.898 0.05 0.00 1.909 1.255 0.05 - 0.10 1.925 1.510 0.10 0.02 1.873 1.833 0.05 - 0.10 1.875 1.254 0.00 - 0.00 1.880 1.000 0.05 0.070 1.898 0.05 0.00 1.875 1.254 0.05 - 0.00 1.880 1.000 0.05 0.070 1.898 0.00 0.05 0.01 1.909 1.275 0.05 - 0.10 1.925 1.554 0.05 0.00 1.875 1.254 0.05 0.00 1.880 1.000 0.05 0.070 1.898 0.00 0.00 0.05 0.00 1.875 1.254 0.05 0.00 0.05 0.000 1.880 1.000 0.05 0.000 1.898 0.000 0.												.060080
1.873 1.487	1.873 1.3	.09012	1.875 1.140	.010042	1.879 1.501	.015030	1.896 .752	.005010	1.907 1.485	.070090	1.925 .810	.040060
1873 1.580 005 - 020 1875 1.156 002 - 125 1.879 1.867 0.10 - 120 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.156 0.05 - 021 1.875 1.256 0.05 - 021 1.880 1.000 0.05 - 021 1.898 1.835 0.05 - 021 1.159 0.05 - 021 1.159 0.05 0.05 0.05 0.05 0.07 1.875 1.256 0.05 0.05 0.07 1.880 1.000 0.05 - 021 1.898 1.898 1.005 0.01 1.159 0.05 0.05 0.10 1.825 1.554 0.05 0.07 1.873 1.873 1.874 0.05 - 0.01 1.875 1.250 0.02 - 0.04 1.880 1.020 0.02 - 0.04 1.888 6.28 0.120 - 1.35 1.909 1.348 0.05 - 0.10 1.925 1.554 0.05 0.07 1.873 1.874 0.10 - 0.020 1.875 1.254 0.05 - 0.01 1.880 1.020 0.02 - 0.04 1.888 6.28 0.120 - 1.35 1.910 1.437 1.00 - 1.25 1.926 1.554 0.020 0.04 1.875 1.250 0.00 - 0.05 0.05 0.05 0.05 0.05 0.05	1.873 1.3	386 .10013	1.875 1.142	.007016	1.879 1.563	.025040	1.896 .761	.005010	1.908 .877	.010020	1.925 1.253	.005010
1873 1.508 0.05 - 0.02 1.875 1.171 1.00 - 1.25 1.880 5.85 1.66 - 1.87 1.898 3.05 0.05 - 0.10 1.908 1.275 0.05 - 0.01 1.925 1.510 0.01 - 0.02 1.873 1.533 0.05 - 0.10 1.875 1.184 0.15 - 0.70 1.880 9.00 0.05 - 0.10 1.898 5.151 1.90 1.90 1.348 0.05 - 0.01 1.925 1.515 0.05 - 0.05 1.875 1.898 1.313 1.03 1.00 0.05 - 0.10 1.875 1.244 0.00 - 0.02 1.880 1.00 0.05 - 0.01 1.898 5.25 1.00 1.00 0.05 1.00 1.925 1.715 0.02 - 0.05 1.873 1.734 0.00 - 0.05 1.875 1.254 0.05 - 0.01 1.880 1.131 0.25 - 0.04 1.898 6.26 1.20 - 1.35 1.910 1.437 1.00 - 1.25 1.926 1.554 0.05 - 0.01 1.874 1.00 - 0.02 1.675 1.254 0.05 - 0.01 1.880 1.131 0.25 - 0.04 1.898 8.69 0.05 - 0.01 1.910 1.437 1.05 - 0.25 1.926 1.554 0.05 - 0.01 1.874 1.250 0.05 - 0.01 1.875 1.259 0.02 - 0.04 1.880 1.133 0.15 - 0.03 1.898 9.10 0.05 - 0.01 1.910 1.60 1.05 - 1.25 1.926 1.694 0.03 - 0.04 1.874 2.52 0.05 - 0.01 1.875 1.259 0.02 - 0.04 1.880 1.392 0.04 - 0.06 1.899 1.940 0.05 - 0.01 1.910 1.60 1.05 - 1.25 1.926 1.694 0.03 - 0.04 1.874 2.25 0.05 - 0.01 1.875 1.250 0.00 0.09 1.880 1.392 0.05 - 0.05 0.05 0.01 0.90 1.911 1.631 0.05 - 0.05 0.01 0.927 8.10 0.05 - 0.01 1.874 1.252 0.05 - 0.01 1.875 1.355 0.04 0.00 0.90 1.880 1.745 0.05 - 0.05 0.05 0.01 0.90 1.911 1.631 0.05 - 0.01 0.927 8.10 0.05 - 0.01 1.874 2.25 0.05 - 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	1.873 1.4	137 .10012	1.875 1.152	.005010		.025040	1.897 .309	.005010	1.909 .802	.080100	1.925 1.317	.020040
1.873 1.533 0.05 - 0.10 1.875 1.188 0.15 - 0.70 1.880 960 0.05 - 0.10 1.898 6.51 1.20 - 1.35 1.909 1.348 0.05 - 0.10 1.925 1.554 0.50 - 0.05 1.873 1.671 0.05 - 0.15 1.875 1.250 0.20 - 0.40 1.880 1.020 0.50 - 0.70 1.898 6.52 0.05 - 0.70 1.910 1.59 0.400 - 0.05 1.975 1.554 0.02 - 0.40 1.873 1.671 0.05 - 0.15 1.875 1.250 0.20 - 0.40 1.880 1.020 0.20 - 0.40 1.898 6.56 1.20 - 1.35 1.910 1.437 1.00 - 1.25 1.926 1.554 0.22 - 0.40 1.873 1.734 0.10 - 0.20 1.875 1.258 0.30 - 0.50 1.880 1.131 0.25 - 0.40 1.898 .754 0.05 - 0.07 1.910 1.435 1.00 - 1.25 1.926 1.684 0.32 - 0.60 1.874 2.29 0.05 - 0.10 1.875 1.258 0.30 - 0.50 1.880 1.130 0.15 - 0.30 1.898 9.10 0.50 - 0.07 5 1.910 1.640 1.05 - 1.25 1.927 4.80 0.05 - 0.07 1.874 2.25 0.05 - 0.10 1.875 1.259 0.00 - 0.40 1.880 1.272 0.40 - 0.60 1.899 1.94 0.05 - 0.07 1.910 1.640 1.05 - 1.25 1.927 4.80 0.05 - 0.07 1.874 2.25 0.05 0.00 1.875 1.310 0.40 - 0.62 1.880 1.465 0.05 - 0.07 1.899 3.80 0.30 - 0.50 1.912 1.758 0.30 - 0.00 1.928 5.33 0.08 - 0.00 1.874 2.25 0.15 0.60 1.875 1.355 0.00 0.02 1.880 1.759 0.10 1.899 3.40 1.8												.025040
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1.874 .883 .005010 1.875 1.585 .010020 1.884 1.585 .030060 1.900 1.000 .050070 1.918 1.632 .005010 1.931 1.595 .00502 1.874 .997 .080105 1.875 1.640 .050070 1.885 .327 .025035 1.900 1.002 .075105 1.919 1.263 .040060 1.932 1.126 .13015 1.874 .951 .050070 1.875 1.681 .050070 1.885 .376 .060080 1.900 1.006 .040060 1.919 1.390 .060080 1.932 1.626 .040060 1.874 1.031 .020040 1.875 1.688 .005015 1.885 .956 .062090 1.900 1.095 .040060 1.919 1.501 .010020 1.932 1.695 .02504 1.874 1.045 .025040 1.875 1.707 .025040 1.885 .985 .080105 1.900 1.256 .080104 .1919												
1.874 .907 .080105 1.875 1.640 .050070 1.885 .327 .025035 1.900 1.002 .075105 1.919 1.263 .040060 1.932 1.126 .13015 1.874 .951 .050070 1.875 1.681 .050070 1.885 .376 .060080 1.900 1.006 .040060 1.919 1.390 .060080 1.932 1.626 .04006 1.874 1.031 .020040 1.875 1.688 .005015 1.885 .956 .062090 1.900 1.095 .040060 1.919 1.501 .010020 1.932 1.695 .02504 1.874 1.045 .025040 1.875 1.707 .025040 1.885 .985 .080105 1.900 1.256 .080104 1.919 1.501 .010020 1.932 1.779 .00504 1.874 1.202 .035055 1.876 .533 .105125 1.885 1.060 .080105 1.900 1.256 .080104 .1919 <												
1.874 .951 .050070 1.875 1.681 .050070 1.885 .376 .060080 1.900 1.006 .040060 1.919 1.390 .060080 1.932 1.626 .040060 1.874 1.031 .020040 1.875 1.688 .005015 1.885 .956 .062090 1.900 1.095 .040060 1.919 1.501 .010020 1.932 1.695 .02504 1.874 1.045 .025040 1.875 1.707 .025040 1.885 .985 .080105 1.900 1.266 .080104 1.919 1.595 .060080 1.932 1.779 .00501 1.874 1.80 .030050 1.876 .512 .105125 1.885 1.060 .042062 1.900 1.226 .080104 1.919 1.595 .060080 1.932 .750 .13015 1.874 1.282 .015025 1.885 1.05 .060080 1.900 1.32												
1.874 1.031 .020040 1.875 1.688 .005015 1.885 .956 .062090 1.900 1.095 .040060 1.919 1.501 .010020 1.932 1.695 .025040 1.874 1.045 .025040 1.875 1.707 .025040 1.885 .985 .080105 1.900 1.256 .080104 1.919 1.595 .060080 1.932 1.779 .00501 1.874 1.180 .030050 1.876 .512 .105125 1.885 1.060 .042062 1.900 1.320 .040060 1.919 1.754 .015030 1.933 .750 .13015 1.874 1.202 .015025 1.876 .533 .105125 1.885 1.136 .060080 1.900 1.321 .040060 1.919 1.754 .015030 1.933 1.556 .015030 1.874 1.250 .030050 1.876 .659 .080100 1.885 1.157 .062090 1.900 1.375 .010020 1.920												
1.874 1.045 .025040 1.875 1.707 .025040 1.885 .985 .080105 1.900 1.256 .080104 1.919 1.595 .060080 1.932 1.779 .00501 1.874 1.180 .030050 1.876 .512 .105125 1.885 1.060 .042062 1.900 1.320 .040060 1.919 1.754 .015030 1.933 .750 .13015 1.874 1.202 .015025 1.876 .533 .105125 1.885 1.136 .060080 1.900 1.321 .040060 1.920 .859 .080104 .1933 1.504 .01503 1.874 1.250 .030050 1.876 .659 .080100 1.885 1.157 .062090 1.900 1.375 .010020 1.920 1.000 .070090 1.933 1.565 .050051 .050051 .050052 .050052 .050052 .050052 .050052 .050052 .050052 .050052 .050052 .050052 .050052 <td></td> <td>.025040</td>												.025040
1.874 1.180 .030050 1.876 .512 .105125 1.885 1.060 .042062 1.900 1.320 .040060 1.919 1.754 .015030 1.933 .750 .13015 1.874 1.202 .015025 1.876 .533 .105125 1.885 1.136 .060080 1.900 1.321 .040060 1.920 .859 .080104 1.933 1.504 .01503 1.874 1.250 .030050 1.876 .659 .080100 1.885 1.157 .062090 1.900 1.375 .010020 1.920 1.900 .070090 1.900 1.933 1.566 .05005 .05005 .05007 .090 1.933 1.566 .05005												.005010
1.874 1.202 .015025 1.876 .533 .105125 1.885 1.136 .060080 1.900 1.321 .040060 1.920 .859 .080104 1.933 1.504 .015032 1.874 1.250 .030050 1.876 .659 .080100 1.885 1.157 .062090 1.900 1.375 .010020 1.920 1.000 .070090 1.933 1.556 .05006 1.874 1.257 .070090 1.876 .669 .100125 1.885 1.380 .062090 1.900 1.375 .050075 1.920 1.263 .062083 1.933 1.565 .03005 1.874 1.282 .010070 1.876 .754 .062083 1.886 .763 .110130 1.900 1.395 .040060 1.920 1.264 .040060 1.934 1.002 .03005 1.874 1.331 .005010 1.876 .765 .125156 1.886 .985 .100125 1.900 1.453 .020040 1.920 <												.130150
1.874 1.250 .030050 1.876 .659 .080100 1.885 1.157 .062090 1.900 1.375 .010020 1.920 1.000 .070090 1.933 1.556 .050062 1.874 1.257 .070090 1.876 .669 .100125 1.885 1.380 .062090 1.900 1.375 .050075 1.920 1.263 .062083 1.933 1.565 .03005 1.874 1.282 .010070 1.876 .754 .062083 1.886 .763 .110130 1.900 1.395 .040060 1.920 1.264 .040060 1.934 1.002 .03005 1.874 1.331 .005010 1.876 .765 .125156 1.886 .985 .100125 1.900 1.453 .020040 1.920 1.410 .060090 1.934 1.562 .05006 1.874 1.443 .050070 1.876 1.007 .015032 1.886 1.188 .005010 1.900 1.500 .060060 1.920												.015030
1.874 1.257 .070090 1.876 .669 .100125 1.885 1.380 .062090 1.900 1.375 .050075 1.920 1.263 .062083 1.933 1.565 .03005 1.874 1.282 .010070 1.876 .754 .062083 1.886 .763 .110130 1.900 1.395 .040060 1.920 1.264 .040060 1.934 1.002 .03005 1.874 1.331 .005010 1.876 .765 .125156 1.886 .985 .100125 1.900 1.453 .020040 1.920 1.410 .060090 1.934 1.562 .05006 1.874 1.443 .050070 1.876 1.007 .015032 1.886 1.188 .005010 1.900 1.500 .006060 1.920 1.411 .090105 1.935 .473 .05008												.050060
1.874 1.282 .010070 1.876 .754 .062083 1.886 .763 .110130 1.900 1.395 .040060 1.920 1.264 .040060 1.934 1.002 .03005 1.874 1.331 .005010 1.876 .765 .125156 1.886 .985 .100125 1.900 1.453 .020040 1.920 1.410 .060090 1.934 1.562 .050060 1.874 1.443 .050070 1.876 1.007 .015032 1.886 1.188 .005010 1.900 1.500 .006060 1.920 1.411 .090105 1.935 .473 .05008												.030050
1.874 1.331 .005010 1.876 .765 .125156 1.886 .985 .100125 1.900 1.453 .020040 1.920 1.410 .060090 1.934 1.562 .05006 1.874 1.443 .050070 1.876 1.007 .015032 1.886 1.188 .005010 1.900 1.500 .006060 1.920 1.411 .090105 1.935 .473 .05008												.030050
											1.934 1.562	.050062
1.874 1.450 .150170 1.876 1.129 .015030 1.886 1.382 .060080 1.900 1.501 .090105 1.920 1.471 .080100 1.935 .500 .06008										.090105		.050085
	1.874 1.4	150 .15017	1.876 1.129	.015030	1.886 1.382	.060080	1.900 1.501	.090105	1.920 1.471	.080100	1.935 .500	.060083

						DOILLI	S WE IAL	· WAOIILI	S ARE FLA	I AND I	OMBLE DE	BURKED
O.D.	I.D.	Choose Any	O.D. I.D.	Choose Any	O.D. I.D.	Choose Any	O.D. I.D.	Choose Any	O.D. I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*
0.0.	1.D.	Thickness* From To	0.0. 1.0.	Thickness* From To	O.D. 1.D.	Thickness* From To	O.D. 1.D.	Thickness* From To	O.D. 1.D.	From To	O.D. 1.D.	From To
1.935	.651	.020040	1.948 1.578	.005010	1.965 1.427	.030050	1.974 1.284		1.991 1.325	.020040	1.998 .441	.120135
	1.032	.156187	1.948 1.749	.010020	1.965 1.491	.015030	1.974 1.503		1.992 .419	.005010	1.998 .500	.020050
	1.190	.005010	1.948 1.820	.005020	1.965 1.498	.048062	1.975 .755		1.992 .560	.010020	1.998 .531	.120135
	1.309	.105125	1.949 .459	.020030	1.965 1.503	.005010	1.975 1.004		1.992 .999	.020030	1.998 .562	.040060
1.935	1.500	.090100	1.949 .820	.005010	1.965 1.513	.005010	1.975 1.821		1.992 1.182	.020040	1.998 .647	.005010
	1.555	.060083	1.949 1.062	.030050	1.965 1.586	.020030	1.975 1.879		1.992 1.267	.005030	1.998 .662	.005010
1.935	1.656	.010020	1.949 1.119	.080100	1.965 1.694	.005010	1.976 .759		1.992 1.313	.040060	1.998 .690	.050075
1.935	1.661	.032048	1.949 1.526	.005010	1.965 1.860	.007030	1.976 1.289		1.993 .406	.030040	1.998 .755	.135156
1.935	1.687	.090105	1.949 1.555	.015030	1.966 1.006	.005010	1.976 1.385		1.993 .410	.010015	1.998 .881	.015030
1.936	.688	.025040	1.949 1.620	.030040	1.966 1.039	.005010	1.976 1.673		1.993 .474	.030050	1.998 .882	.020030
1.936	.780	.060080	1.949 1.664	.035050	1.966 1.206	.005010	1.977 1.775		1.993 .499	.090110	1.998 1.021	.070090
1.936	.818	.005060	1.950 .190	.015040	1.966 1.438	.060080	1.977 1.798		1.993 .520	.005010	1.998 1.029	.005010
	1.186	.050075	1.950 .320	.005010	1.966 1.722	.020040	1.978 1.550		1.993 .810	.015030	1.998 1.077	.005010
1.936	1.564	.060080	1.950 .490	.005010	1.967 .394	.080100	1.978 1.694		1.993 1.017	.005010	1.998 1.093	.025040
	1.579	.015042	1.950 .505	.005020	1.967 .502	.010020	1.978 1.776		1.993 1.501	.010020		.030070
	1.586	.090100	1.950 .505	.125156	1.967 1.113	.025040	1.979 .395		1.993 1.664	.005010	1.998 1.126	.005010
1.936		.050070	1.950 .629 1.950 .631	.005020	1.967 1.519	.005010	1.979 1.660 1.979 1.775			.005010	1.998 1.136	.110135
1.936 1.936	1.740	.005010 .005010	1.950 .631 1.950 .810	.120140 .005010	1.967 1.596 1.967 1.654	.030050 .005010	1.979 1.775 1.980 .267		1.994 .268 1.994 .412	.005010 .005010	1.998 1.248 1.998 1.409	.125156 .025040
1.936		.010020	1.950 .878	.125135	1.967 1.687	.010020	1.980 1.060		1.994 .885	.110135	1.998 1.417	.030050
1.937	.651	.105125	1.950 1.321	.005010	1.968 .283	.050070	1.980 1.000		1.994 1.284	.010020		.050060
1.937		.075090	1.950 1.321	.005010	1.968 .315	.040060	1.980 1.470		1.994 1.382	.040060	1.998 1.506	.020030
1.937		.156187	1.950 1.408	.050070	1.968 .386	.110135	1.980 1.500		1.994 1.362	.010020	1.998 1.508	.020030
1.937		.005010	1.950 1.600	.005050	1.968 .505	.005010	1.980 1.507		1.994 1.476	.010020	1.998 1.531	.156187
1.937		.020040	1.950 1.617	.010020	1.968 .625	.005010	1.980 1.540		1.994 1.489	.030050	1.998 1.635	.010020
1.937		.020040	1.950 1.820	.025035	1.968 .630	.105125	1.980 1.001		1.994 1.629	.010020	1.998 1.664	.030050
1.937		.040062	1.951 .504	.110130	1.968 .827	.105125	1.980 1.776		1.994 1.662	.010020	1.998 1.734	.050070
1.937		.005010	1.951 .755	.005020	1.968 .866	.170190	1.981 .831		1.994 1.789	.005010	1.998 1.748	.080100
1.937		.015030	1.951 1.000	.105135	1.968 .984	.005010	1.981 1.519		1.994 1.885	.020040	1.998 1.750	.050070
1.937		.040060	1.951 1.201	.030050	1.968 .995	.005010	1.981 1.736		1.994 1.933	.005010	1.998 1.789	.005010
1.937		.030050	1.951 1.781	.005010	1.968 1.008	.030050	1.982 .760		1.995 .147	.005010		.005010
1.937	1.436	.030050	1.952 .812	.040060	1.968 1.026	.090100	1.982 1.609		1.995 .395	.005010	1.999 .238	.005015
1.937	1.498	.025040	1.952 1.055	.020040	1.968 1.028	.005010	1.983 .515	.030050	1.995 .404	.005010	1.999 .280	.120135
1.937	1.527	.005010	1.952 1.069	.090110	1.968 1.150	.005010	1.983 .914		1.995 .405	.040060	1.999 .310	.005010
1.937	1.528	.050075	1.952 1.592	.030050	1.968 1.183	.005010	1.983 1.628	.020040	1.995 .453	.060080	1.999 .313	.050070
1.937	1.657	.010020	1.953 1.375	.040060	1.968 1.253	.030050	1.984 .229	.005010	1.995 .634	.005010	1.999 .318	.090110
1.937	1.665	.050070	1.953 1.421	.005010	1.968 1.394	.005010	1.984 .395	.005190	1.995 .750	.105125	1.999 .388	.105135
1.937	1.687	.005010	1.954 .377	.050075	1.968 1.401	.060070	1.984 1.329	.040060	1.995 .886	.090120	1.999 .406	.160190
1.937	1.733	.040060	1.954 .421	.050070	1.968 1.501	.015030	1.984 1.544	.005015	1.995 1.000	.030050	1.999 .407	.100125
1.937	1.809	.005010	1.954 1.108	.125156	1.968 1.530	.020040	1.985 1.017	.080100	1.995 1.128	.120135	1.999 .452	.100125
1.938	.319	.015030	1.954 1.627	.005010	1.968 1.578	.015125	1.985 1.206		1.995 1.500	.048062	1.999 .484	.070090
1.938	1.313	.020040	1.955 .421	.050070	1.968 1.625	.015030	1.985 1.398		1.995 1.636	.015030	1.999 .515	.156187
1.938		.050070	1.955 1.004	.140160	1.968 1.692	.040060	1.985 1.520		1.995 1.663	.020040	1.999 .562	.100125
	1.395	.005010	1.955 1.513	.020042	1.968 1.731	.005010	1.985 1.590		1.995 1.758	.015030		.030040
1.938	1.468	.030050	1.955 1.519	.080104	1.969 .502	.005010	1.985 1.693		1.995 1.818	.015030		.156187
1.938	1.502	.025040	1.955 1.780	.005010	1.969 .881	.015030	1.985 1.695		1.996 .269	.005010	1.999 .691	.120140
1.938	1.505	.060080	1.956 .995	.050090	1.969 1.339	.050060	1.985 1.860		1.996 .381	.005010	1.999 .749	.025040
	1.758	.005010	1.956 1.020	.050070	1.969 1.380	.070090	1.986 .540		1.996 .391	.105125	1.999 .750	.156187
	1.809	.005010	1.956 1.520	.005010	1.969 1.440	.010020	1.986 1.205			.005010		.020030
1.939	.126	.030050	1.956 1.564	.010015	1.969 1.468	.010020	1.986 1.546			.005010		.110130
	1.062	.060070	1.957 1.415	.030050	1.969 1.469	.030070	1.987 .671			.005010		.020040
	1.380	.110130	1.958 .390	.135156	1.969 1.470	.105125	1.987 .888 1.987 1.313			.005010		.135156
	1.578	.030050	1.959 1.861	.005010	1.969 1.628	.015030				.005010		.075090
1.939	1.664 .687	.020030 .090105	1.960 .754 1.960 .870	.120134 .150170	1.969 1.657	.050070 .030050	1.988 .880 1.988 .899			.135156		.015030 .030040
1.940	.880	.090105	1.960 .870	.105120	1.969 1.692 1.970 .413	.105125	1.988 .898			.005010		.030040
	1.155	.080080	1.960 1.011	.070090	1.970 .413	.030050	1.988 1.575			.010020		.160190
	1.260	.005010	1.960 1.500	.020040	1.970 .594	.010020	1.988 1.586			.050070		.005010
1.940		.030070	1.960 1.584	.010020	1.970 .938	.090110	1.989 .750			.010020		.005010
	1.402	.015030	1.960 1.619	.020040	1.970 1.427	.005010	1.989 .786			.080100		.025040
	1.410	.040060	1.960 1.642	.005010	1.970 1.428	.020040	1.989 .875			.050070		.025020
	1.769	.005010	1.960 1.674	.005010	1.970 1.500	.050070	1.989 1.753			.105125		.005010
1.941		.065080	1.960 1.712	.005010	1.970 1.576	.050070	1.990 .222			.005010		.025042
	1.629	.075090	1.960 1.862	.005010	1.970 1.630	.005010	1.990 .245			.156190		.005010
1.942		.105125	1.961 1.188	.010020	1.970 1.654	.040060	1.990 .281			.005010		.090110
1.942		.080100	1.961 1.300	.020030	1.970 1.692	.010020	1.990 .317			.020035		.040060
	1.746	.015030	1.961 1.312	.050083	1.970 1.814	.015030	1.990 .318			.010020		.020030
1.942		.005010	1.961 1.584	.090125	1.971 1.268	.093125	1.990 .526			.005010		.030040
1.943	.764	.105125	1.962 1.735	.008020	1.971 1.541	.005030	1.990 .651			.030050		
1.944	.393	.030050	1.963 .281	.005010	1.972 .379	.015030	1.990 .688			.050075		
1.944	.800	.156187	1.963 .481	.005010	1.972 .505	.015030	1.990 .754		1.997 1.071	.005010		_
1.944	1.628	.025040	1.963 1.565	.025040	1.972 .875	.105125	1.990 .893	.005010		.005010		
1.945	.426	.050070	1.964 .281	.015030	1.972 1.130	.015030	1.990 1.376		1.997 1.414	.005010		
	1.063	.105125	1.964 1.576	.015025	1.972 1.250	.093125	1.990 1.379			.080105		
	1.477	.010020	1.964 1.579	.005040	1.972 1.579	.030040	1.990 1.519			.005010		
	1.792	.005020	1.964 1.740	.005010	1.973 .413	.190210	1.990 1.779			.005010		.005015
1.946		.005010	1.964 1.756	.020030	1.974 .408	.015030	1.991 .317			.005010		.050070
	1.780	.005010	1.964 1.790	.012020	1.974 .630	.120140	1.991 .653			.105125		.005010
1.947		.005010	1.965 .281	.005010	1.974 .880	.120140	1.991 .687			.005010		.036050
1.948	1.083	.070090	1.965 .815	.060080	1.974 1.170	.005010	1.991 .998	.015050	1.998 .426	.005010	2.000 .205	.060125

O.D.	I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
0.000	010	From To	0.000 1.014	.035060	0.001 015	From To	0.010	000	From To	0.044	1 005	From To	0.000	1 1 1 1	From To
2.000	.210 .221	.105135	2.000 1.014	.050075	2.001 .315 2.001 .345	.105120 .125135	2.012	.886	.005010 .020040	2.044		.050070 .010020		1.141	.040060 .030050
2.000	.250	.030050	2.000 1.015								1.826		2.060		
2.000		.025125	2.000 1.020	.015030		.105125	2.013		.005010	2.045	.344 .722	.040060	2.060		.025042
2.000	.253		2.000 1.020	.110130		.020030			.015030	2.045		.005030	2.060		.005010
2.000	.253	.050070	2.000 1.030	.010125	2.001 .447	.005010	2.013		.020040	2.045	.724	.005050	2.060		.040060
2.000	.255	.030060	2.000 1.031	.050070	2.001 .499	.170190	2.013		.005010		1.256	.050070	2.060		.015030
2.000	.261 .266	.060080	2.000 1.060 2.000 1.062	.015030 .100125	2.001 .501 2.001 .592	.015030	2.015		.030040 .005010	2.045 2.045	1.344	.040060	2.060		.020040 .005010
2.000	.270	.080100	2.000 1.062	.100125	2.001 .750	.120135	2.010		.020040	2.045		.005010	2.060		.060080
2.000	.282	.060100	2.000 1.004	.015030	2.001 .755	.005010	2.017		.030050	2.045		.010020		1.734	.020035
2.000	.291	.050075	2.000 1.070	.005010	2.001 .733	.005010	2.019	.502	.030050	2.045		.060080	2.062	.372	.005010
2.000	.298	.005010	2.000 1.090	.040060	2.001 .814	.060080	2.019	.502	.050070		1.611	.070090	2.062	.515	.100125
2.000	.299	.020040	2.000 1.125	.015062	2.001 .942	.105135	2.019		.015030	2.046		.020030	2.062	.625	.005032
2.000	.316	.005010	2.000 1.131	.030062	2.001 1.020	.015030	2.020	.280	.100125		1.871	.040060	2.062	.630	.050070
2.000	.317	.015030	2.000 1.158	.025042	2.001 1.105	.080104		1.551	.080100	2.047	.551	.060080	2.062	.766	.040060
2.000	.328	.070090	2.000 1.165	.020040	2.001 1.155	.105125		1.682	.015030	2.047	.747	.015030		1.371	.070090
2.000	.344	.060075	2.000 1.166	.005010	2.001 1.282	.105125	2.021	.604	.005010	2.047	.807	.070090		1.381	.015040
2.000	.376	.050060	2.000 1.190	.080187	2.001 1.312	.050070	2.021	1.014	.005010	2.047	.828	.025040	2.063	.392	.050070
2.000	.380	.160190	2.000 1.199	.005010	2.001 1.397	.015025	2.021	1.669	.015030	2.047	.965	.025040	2.063	.751	.030050
2.000	.398	.010020	2.000 1.201	.080100	2.001 1.505	.005010	2.022		.010020	2.047	.985	.070080	2.063		.050070
2.000	.399	.020040	2.000 1.208	.050075	2.001 1.522	.005010	2.024	.810	.030050	2.047		.060080	2.063		.005010
2.000	.405	.100135	2.000 1.217	.005010	2.001 1.583	.025040	2.025		.050070	2.047		.005010	2.063		.005010
2.000	.411	.020040	2.000 1.220	.035060	2.001 1.602	.030050	2.025		.010020	2.047		.060080	2.063		.040060
2.000	.415	.090105	2.000 1.248	.156187	2.002 .101	.005010		1.874	.040060	2.047		.060080	2.063	1.628	.005010
2.000	.437	.050070	2.000 1.250	.008040	2.002 .380	.090134	2.027		.015030	2.047	1.773	.015030	2.065		.040070
2.000	.438	.156190	2.000 1.252	.070090	2.002 .437	.050075	2.029	1.222	.005010	2.047	1.811	.025040	2.065	1.570	.050070
2.000	.451	.090125	2.000 1.253	.010156	2.002 .510	.005010	2.029	1.223	.180187	2.048	.296	.005010	2.065	1.722	.015030
2.000	.484	.170190	2.000 1.256	.050070	2.002 .533	.156187	2.029	1.626	.050070	2.048	.626	.005010	2.065	1.857	.075090
2.000	.503	.105125	2.000 1.262	.083104	2.002 .665	.105120	2.029	1.755	.005010	2.048	.631	.005010	2.066	1.718	.030050
2.000	.504	.010060	2.000 1.263	.050075	2.002 .855	.005010	2.030	.936	.050070	2.048	1.260	.070090	2.068	.756	.050070
2.000	.505	.005010	2.000 1.264	.090120	2.002 1.276	.050070	2.030	1.060	.050070	2.048	1.378	.030050	2.070	1.180	.080104
2.000	.506	.020030	2.000 1.265	.060080	2.002 1.381	.020030	2.030	1.184	.050070	2.048	1.387	.005010	2.070	1.530	.020030
2.000	.507	.100125	2.000 1.280	.040090	2.002 1.390	.010020	2.030	1.310	.050070	2.048	1.393	.070090	2.070	1.780	.090105
2.000	.509	.156187	2.000 1.281	.040060	2.002 1.501	.050075	2.030	1.434	.050070		1.748	.020040	2.071	1.749	.010020
2.000	.516	.090120	2.000 1.282	.005010	2.002 1.530	.025035	2.030	1.500	.005010	2.049	1.209	.005010	2.072	1.277	.015030
2.000	.522	.005010	2.000 1.285	.025040	2.002 1.560	.105135	2.030	1.715	.016030	2.049	1.854	.005010	2.074	.628	.005010
2.000	.530	.060080	2.000 1.290	.157187	2.002 1.630	.050070	2.031	.936	.005010	2.050	.140	.060080	2.074		.040060
2.000	.536	.005010	2.000 1.291	.005010	2.002 1.733	.080105		1.755	.005030	2.050	.253	.005010	2.075		.030050
2.000	.551	.120140	2.000 1.311	.005010	2.002 1.758	.005010	2.032	.489	.005010	2.050	.406	.105125	2.076		.050070
2.000	.570	.005010	2.000 1.321	.080100	2.002 1.812	.070090	2.032	.880	.005010	2.050	.505	.005020	2.077		.080104
2.000	.591	.025040	2.000 1.330	.080104	2.002 1.828	.005010	2.033	.877	.025040	2.050	.506	.005010	2.077		.080104
2.000	.594	.170190	2.000 1.332	.005010	2.003 .161	.025040		1.525	.010030	2.050	.626	.010020	2.077		.030050
2.000	.619	.015030	2.000 1.342	.060080	2.003 .752	.075090	2.033		.020030	2.050	.627	.010020	2.077		.030050
2.000	.620	.040060	2.000 1.350	.010020	2.003 .843	.005010	2.033		.030050	2.050	.629	.005010	2.078		.005010
2.000	.625	.005010	2.000 1.375	.050090	2.003 1.077	.050070		1.745	.010020	2.050	.630	.005020		1.620	.005010
2.000	.625	.100125	2.000 1.376	.015030	2.003 1.126	.070090	2.033		.020040	2.050	.651	.080100	2.078		.050060
2.000	.626	.015030	2.000 1.380	.135156	2.003 1.481	.005015		1.845	.040060	2.050	.731	.010020		1.750	.060080
2.000	.627	.040060	2.000 1.386	.030060	2.003 1.557	.020040		1.574	.020040		1.425	.030050	2.080	.834	.070090
2.000	.628	.020040	2.000 1.389	.015080	2.003 1.694	.020030	2.035	.423	.030050		1.660	.075090		1.600	.005040
2.000	.632	.005020	2.000 1.394	.005010	2.003 1.781	.010020	2.035	.788	.105125		1.708	.040060	2.080		.090105
2.000	.636	.005010	2.000 1.402	.105125	2.004 .756	.040060	2.035		.090110	2.051	.631	.120140	2.080		.030040
2.000	.641	.110130	2.000 1.450	.005010	2.004 .843	.100125 .010020	2.035		.020040	2.051	.755	.010020	2.081	.820	.042060
2.000	.644 657	.090105 .100125	2.000 1.499	.005010	2.004 1.131		2.035		.040060 .050075	2.052	.626	.025040	2.081		.010020
2.000	.657 .670	.090125	2.000 1.500 2.000 1.502	.005125 .010020	2.005 .204 2.005 1.260	.080104 .025040	2.035 2.035		.050075	2.054 2.054		.010020 .025040	2.082		.005010 .020030
2.000	.685	.080125	2.000 1.502	.030125	2.005 1.260	.025040	2.035		.020030	2.054		.025040	2.082		.020030
2.000	.692	.090103	2.000 1.511	.030123	2.005 1.201	.010020	2.035		.040062	2.054		.015030	2.085		.040060
2.000	.700	.020030	2.000 1.515	.005060	2.006 1.280	.105135	2.037		.005010	2.056	.528	.048062	2.085		.025040
2.000	.750	.105125	2.000 1.532	.090110	2.006 1.775	.005010	2.037		.005010	2.057	.390	.040060	2.086	.787	.020035
2.000	.752	.010020	2.000 1.536	.005010	2.007 .826	.005010	2.037		.050070	2.058	.482	.048062	2.086		.030050
2.000	.753	.005010	2.000 1.550	.005010	2.007 1.384	.015030	2.038	.989	.080100	2.058	.519	.156190	2.086		.005010
2.000	.754	.110130	2.000 1.589	.005010	2.007 1.533	.040060	2.038		.015030	2.058	.533	.160180	2.089		.050070
2.000	.758	.005010	2.000 1.625	.050060	2.008 .765	.105125	2.039	.281	.030050	2.058	.630	.105135	2.090	.815	.070090
2.000	.761	.090110	2.000 1.626	.105125	2.008 1.254	.135156	2.039		.105135	2.058		.010020	2.090	.941	.110135
2.000	.779	.005010	2.000 1.635	.005015	2.008 1.319	.005010	2.039		.005010	2.058		.050070	2.092		.010020
2.000	.780	.015030	2.000 1.649	.005020	2.008 1.392	.005012	2.040	.990	.015030	2.058		.020040	2.093	.223	.100125
2.000	.781	.005060	2.000 1.654	.005105	2.008 1.676	.070090	2.040		.005010	2.058		.050060	2.093		.060080
2.000	.786	.005010	2.000 1.670	.025040	2.008 1.801	.010020	2.040		.005007	2.059	.402	.030060	2.093		.005010
2.000	.795	.005010	2.000 1.695	.005010	2.009 .239	.040060	2.040	1.620	.070105	2.059	1.671	.030060	2.095	.473	.080100
2.000	.797	.020040	2.000 1.740	.005010	2.009 1.508	.015030	2.040		.005010	2.059		.050075	2.095	.636	.005010
2.000	.812	.080105	2.000 1.749	.010060	2.009 1.783	.070090	2.040	1.787	.050070	2.059	1.759	.005010	2.095	.688	.105135
2.000	.875	.010020	2.000 1.755	.080100	2.009 1.804	.030050	2.041		.040060	2.060	.221	.050075	2.095	.875	.105135
2.000	.876	.105125	2.000 1.780	.005010	2.010 .567	.105125	2.041		.020030	2.060	.254	.005130	2.095	1.890	.005010
2.000	.880	.010020	2.000 1.780	.015040	2.010 .664	.030050		.331	.040060	2.060	.312	.005010	2.095	1.901	.005010
2.000	.906	.015060	2.000 1.810	.005020	2.010 .792	.120140	2.042		.050070	2.060	.390	.005010	2.095	1.946	.005010
2.000	.977	.025040	2.000 1.843	.010025	2.010 1.074	.130150	2.042		.040060	2.060	.443	.005010	2.096	.202	.015020
2.000	.979	.020040	2.000 2.064	.015030	2.010 1.084	.005010	2.042		.050075	2.060	.530	.050075	2.096	1.186	.015030
2.000	1.000	.055070	2.001 .198	.010020	2.010 1.470	.050070	2.042		.020030	2.060	.762	.090110	2.097	1.013	.110125
2.000		.005010	2.001 .245	.005010	2.010 1.699	.050070	2.043		.015030	2.060	.800	.025036	2.098	.253	.025040
2.000	1.006	.083105	2.001 .250	.100125	2.010 1.705	.005010	2.043	1.940	.010020	2.060	.890	.080104	2.098	.760	.015030

Dec Dec																		
	0.0	LD		0.0	LD		0.0	LD		0.0	LD		0.0	LD	Choose Any	0.0	ı D	
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2.006 1.000 0.000 0.122 1.076 0.000 0.105 0.105 0.105 0.000 0.105 0.105 0.000 0.105 0.10	2.098	1.013	.010020	2.122	1.631	.020030	2.128	1.505	.050070	2.153	1.725	.050070	2.177	1.545	.010020	2.205 1.	772	.070090
2.00 1.00 0.00 0.20	2.098	1.635	.010020	2.122	1.877	.005010	2.128	1.626	.005010	2.153	2.013	.040060	2.177	2.051	.040060	2.205 1.	779	.005010
2.00 1.00 0.00 0.12 0.10	2.098	1.909	.020040	2.122	1.878	.020040	2.128	1.668	.005010	2.154	.132	.016030	2.178	.362	.050070	2.205 1.	912	.070090
2.00 0.55 0.05	2.099	1.200	.010020	2.123	.890	.090105	2.129	.251	.050070	2.154	1.780	.040060	2.179	1.208	.005010	2.206 .	631	.005010
1.00 1.75	2.099	1.638	.005010	2.123	.906	.090125	2.129	.533	.105135	2.154	1.957	.010020	2.179	1.500	.030050	2.206 1.	616	.060080
100 786	2.100	.505	.005020	2.123	1.008	.050070	2.129	.735	.020040	2.155	1.097	.050070	2.180	.780	.005010	2.206 1.	791	.005010
	2.100	.753	.025040	2.123	1.645	.105125	2.129	1.282	.050070	2.155	1.325	.005010	2.180	.781	.015030	2.206 1.	980	.050100
1.00 1.00	2.100	.755	.005020	2.123	1.659	.105125	2.129	1.500	.010020	2.155	1.957	.015030	2.180	1.133	.070090	2.208 1.	832	.010020
2.100 1.486	2.100	.794	.010020	2.123	1.811	.005010	2.129	1.524	.100125	2.156	.345	.030060	2.180	1.200	.005075	2.208 1.	928	.060070
2.00 1.660 0.05 - 0.05 2.124 1.950 0.00 0.213 5.23 1.324 1.056 2	2.100	1.391	.020030	2.124	.312	.080100	2.130	.293	.050070	2.156	.877	.110130	2.180	1.662	.080100	2.209 1.	219	.010020
1.00 1.650	2.100	1.406	.050070	2.124	1.127	.015030	2.130	.516	.040060	2.156	1.312	.050070	2.181	.499	.015030	2.210 1.	015	.050060
	2.100	1.640	.005015	2.124	1.250	.010020	2.130	.532	.134156	2.156	2.006	.015030	2.181	1.507	.025040	2.210 1.	215	.090125
	2.100	1.656	.105125	2.124	1.580	.040060	2.130	.549	.040060	2.157	.344	.050075	2.182	1.511	.050070	2.210 1.	625	.040125
	2.100	1.675				.070090		.860	.100125			.005010	2.182	2.067	.010020	2.211 .	127	.040060
	2.100	1.700	.040060			.015030	2.130								.025035			.010020
2.100 1.000 650 - 0.076 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 680 68	2.100	1.825	.005010	2.125	.346	.050075			.005010	2.157	1.253	.005010	2.183	1.384	.100125	2.213 1.	657	.010020
2.100 1.000 650 - 0.076 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 5.00 680 - 0.00 2.125 680 68	2.100	1.830	.010020	2.125	.380	.100125	2.130	1.625	.040060	2.157	1.344	.050075	2.184	1.788	.030040	2.215 .	880	.050075
2.100 1.933 0.06 - 0.01 2.125 5.07 0.05 - 0.01 2.13 1.890 0.05 - 0.01 0.021 1.915 0.05 - 0.01 0.021 2.157 1.915 0.04 - 0.001 0.021																		
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2.101 1.737 2.05 .002 .002 2.15 .005 .007 .003 .151 1.688 .005 .005 .005 .101 .151 .005 .006 .006 .005 .001 .002 .151 .151 .005 .005 .001 .002 .151 .151 .005 .005 .005 .101 .151 .005																		
2.101 1.731 0.25 0.06 2.125 0.65 0.05 0.01 2.131 1.878 0.080 0.08 0.102 2.151 1.474 0.05 0.05 0.081 1.275 0.080 0.081 1.275 0.080 0.081 1.285 0.080 0.081 1.285 0.080 0.081 0.085 0.08																		
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2.106 1.806 0.15 0.30																		
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2.10 3.14 105 - 126 2.12 9.07 0.02 0.03 2.13 1.752 0.05 0.01 2.10 1.00 0.04 0.10 2.18 1.890 0.02 0.04 0.05 0.10 2.10 1.20 0.05																		
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2.244 1.924 0.020 0.040 2.250 6.441 123-156 2.251 1.377 0.040 0.060 2.283 3.244 0.090 .040 2.315 1.996 0.010 0.255 2.217 0.010 0.020	2.245 1.73	.110130			2.251 1.083	.120140	2.282 1.	771 .050070	2.314 1.758	.025040	2.355 1.873	.005010
2246 2007 010 016 225	2.245 1.92	.020040			2.251 1.377	.040060	2.283 .3	334 .060080	2.314 1.991	.005010	2.355 2.217	.010020
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2.246 1.048 .059070 2.250 .588 .104 .125 2.251 2.025 .105 .135 2.285 .786 .075090 2.316 .123 .040060 2.388 .132 .135 .156 .2246 1.084 .025040 .2252 .257 .050 .075 .07	2.246 .62	.025040	2.250 .643	.135156		.005010	2.284 2.0	043 .040060	2.315 1.986	.090105		.030050
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2.248 1.8767 0.806 - 100 2.250 1.265 0.50135 2.254 1.515 0.20030 2.300 1.314 1.05135 2.325 2.008 0.015060 2.362 2.075 0.015030												.040060
2.248 1.834 0.05 - 0.10												.015030
2.248 1.875 0.30 - 0.50 0.250 1.278 0.00 - 1.34 0.255 1.032 0.90 - 1.20 0.30 1.678 0.05 - 0.10 0.2325 2.148 0.05 - 0.10 0.2363 1.122 1.100 - 1.200 0.2481 1.912 0.050 - 0.070 0.250 1.286 0.010 - 0.020 0.255 1.625 0.40 - 0.62 0.300 1.950 0.30 - 0.50 0.2328 1.199 0.30 - 0.50 0.2363 1.870 0.60 - 0.800 0.2488 1.990 0.05 - 0.10 0.250 1.286 0.010 - 0.020 0.255 1.645 0.05 - 0.10 0.2300 0.000 0.40 - 0.60 0.2328 0.000 0.005 - 0.10 0.2363 1.889 0.10 - 0.020 0.2488 0.005 - 0.10 0.2363 1.889 0.10 - 0.020 0.2488 0.005 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2363 0.055 - 0.10 0.2600 0.055 - 0.10 0.2363 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.2600 0.055 - 0.10 0.265 0.105 - 0.10 0.2600 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055 - 0.10 0.265 0.055	2.248 1.83						2.300 1.0	654 .050070	2.325 2.062			.005015
2.248 1.889	2.248 1.87	5 .030050				.090120				.005010	2.363 1.122	.100120
2.248 1.912										.120135		.120135
2.248 1.990												.060080
2.248 2.002			2.250 1.287	.040060								.010020
2.248 2.002 .080100 2.250 1.335 .025050 2.256 1.778 .030040 2.301 1.480 .050125 2.331 1.627 .090110 2.364 .630 .105125 2.249 .316 .050070 2.250 1.375 .010020 2.257 1.938 .005010 2.302 1.620 .050070 2.334 2.162 .010020 2.365 .674 .125156 2.249 .438 .156187 2.250 1.387 .105030 2.260 .632 .070090 2.303 1.811 .005010 2.335 1.964 .025040 2.365 1.136 .005010 2.249 .540 .015030 2.250 1.425 .030050 2.260 1.268 .005010 2.302 1.005010 2.335 1.995 .020030 2.365 1.750 .015030 2.249 .542 .150170 2.250 1.438 .030050 2.260 1.890 .015030 2.304 1.905 .100120 2.338 1.636			2.250 1.311	.040060								.010020
2.249 .438 .156187			2.250 1.335									.105125
2.249												.125156
2.249												.005010
2.249 .542 .150170 2.250 1.438 .030050 2.260 1.320 .010030 2.304 1.905 .100120 2.338 1.636 .020040 2.366 1.508 .030050 2.249 .752 .005010 2.250 1.442 .050075 2.260 1.890 .015030 2.304 2.000 .005010 2.339 .430 .060080 2.366 1.570 .030050 2.249 .756 .005010 2.250 1.510 .005010 2.265 1.635 .005010 2.305 1.498 .008016 2.339 2.235 .020030 2.366 1.827 .030050 2.249 .800 .080100 2.250 1.530 .005010 2.266 .354 .060080 2.305 1.681 .050075 2.340 1.752 .005025 2.367 1.520 .006080 2.306 1.899 .048062 2.341 2.200 .005060 2.368 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
2.249 .752 .005010 2.250 1.442 .050075 2.260 1.890 .015030 2.304 2.000 .005010 2.339 .430 .060080 2.366 1.570 .030050 2.249 .756 .005010 2.250 1.500 .060156 2.265 1.635 .005010 2.305 1.498 .008016 2.339 2.235 .020030 2.366 1.827 .030050 2.249 .800 .080100 2.250 1.510 .005010 2.265 1.880 .010020 2.305 1.681 .050075 2.340 1.752 .005025 2.367 1.520 .100125 2.249 1.217 .005010 2.250 1.530 .042060 2.266 .354 .060080 2.307 1.199 .030050 2.341 2.200 .005060 2.368 1.379 .040060 2.249 1.711 .040060 2.250 1.563 .050050 2.268 .316 .015030 2.307 1.199 .030050 2.342												
2.249 .756 .005010 2.250 1.500 .060156 2.265 1.635 .005010 2.305 1.498 .008016 2.339 2.235 .020030 2.366 1.827 .030050 .024												
2.249 .800 .080100 2.250 1.510 .005010 2.265 1.880 .010020 2.305 1.681 .050075 2.340 1.752 .005025 2.367 1.520 .100125 2.249 1.217 .005010 2.250 1.530 .042060 2.266 .354 .060080 2.306 1.889 .048062 2.341 2.200 .005060 2.368 1.379 .040060 2.249 1.711 .040060 2.250 1.563 .050104 2.267 1.932 .025040 2.307 1.199 .030050 2.342 1.770 .075090 2.368 1.389 .015030 2.249 1.711 .040060 2.250 1.598 .030050 2.268 .316 .015030 2.307 1.199 .030050 2.342 1.770 .075090 2.368 1.380 .015030 2.249 1.711 .040060 2.250 1.688 .015030 2.268 .316 .015030 2.307 1.893 .110130 2.342												
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2.249 1.640 .005020 2.250 1.563 .050104 2.267 1.932 .025040 2.307 1.199 .030050 2.342 1.770 .075090 2.368 1.380 .015030 2.249 1.711 .040060 2.250 1.598 .030050 2.268 .316 .015030 2.307 1.893 .110130 2.342 2.001 .050070 2.368 1.640 .050070 2.250 1.615 .015030 2.269 .916 .005010 2.308 2.208 .005015 2.343 1.773 .005010 2.368 2.069 .005010 2.250 1.620 .040060 2.269 1.260 .050070 2.309 1.061 .015030 2.344 1.033 .020040 2.369 .245 .010020 2.250 1.628 .110130 2.270 1.813 .020030 2.310 .661 .015030 2.345 .718 .090105 2.369 .816 .015030												
2.249 1.711 .040060 2.250 1.598 .030050 2.268 .316 .015030 2.307 1.893 .110130 2.342 2.001 .050070 2.368 1.640 .050070 2.250 1.615 .015030 2.269 .916 .005010 2.308 2.208 .005015 2.343 1.773 .005010 2.368 2.069 .005010 2.250 1.620 .040060 2.269 1.260 .050070 2.309 1.061 .015030 2.344 1.033 .020040 2.369 2.45 .010020 2.250 1.628 .110130 2.270 1.813 .020030 2.310 .661 .015030 2.345 .718 .090105 2.369 .816 .015030												
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2120 11020 1110 1100												
2.250 1.050 .003020 2.500 1.050 .000 .000 2.500 1.000 .000 .000 2.500 1.000 .000 .000 .000 .000												
			2.230 1.030	.020020	0 1.000	.000				.000 .010	2.000 1.701	.010

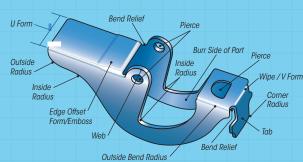
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					DOILLI	'S METAL	WACIILII	S ARE FLA	I AND I	DIMIBLE DE	DOMINED
00 10	Choose Any	0.0 1.0	Choose Any	00 10	Choose Any	O.D. I.D.	Choose Any	00 10	Choose Any	0.0 1.0	Choose Any
O.D. I.D.	Thickness* From To										
2.369 1.875	.050070	2.375 2.105	.005010	2.400 .505	.010020	2.434 1.501	.050075	2.475 .870	.120135	2.498 .752	.005010
2.370 .135	.005010	2.375 2.125	.040060	2.400 .511	.105135	2.434 1.531	.030050	2.475 1.351	.070080	2.498 .755	.005010
2.370 .246	.005010	2.376 .314	.060080	2.400 .753	.010020	2.434 2.187	.050070	2.475 1.770	.005010	2.498 1.062	.090105
2.370 .510	.005010	2.376 .631	.120140	2.400 1.320	.015030	2.435 1.255	.125156	2.477 1.968	.030080	2.498 1.126	.090120
2.370 .852	.005010	2.376 .755	.030060	2.400 1.734	.080105	2.435 1.900	.050075	2.478 1.230	.075105	2.498 1.261	.060080
2.370 .884	.050060	2.376 1.406	.010020	2.400 1.818	.005010	2.435 2.255	.010015	2.478 1.598	.005010	2.498 1.359	.015030
2.370 1.254	.110130	2.376 1.443	.040060	2.400 1.838	.060080	2.435 2.263	.015030	2.478 1.757	.080090	2.498 1.449	.070090
2.370 1.588	.090105	2.376 1.828	.030050	2.400 1.850	.010020	2.436 1.750	.090105	2.478 1.889	.020040	2.498 1.515	.125135
2.370 1.681	.005010	2.376 1.875	.040060	2.400 1.933	.005010	2.436 1.877	.005010	2.478 1.980	.060070	2.498 1.532	.110135
2.370 1.704	.005020	2.377 .261	.090120	2.400 1.999	.045060	2.437 1.257	.050070	2.479 2.100	.015030	2.498 1.568	.020050
2.370 2.001	.080105	2.377 .502	.005010	2.400 2.001	.005010	2.437 1.313	.040060	2.480 .750	.060075	2.498 1.625	.010020
2.370 2.152	.005020	2.377 1.512	.050075	2.400 2.047	.050070	2.437 1.425	.025042	2.480 2.255	.005010	2.498 1.687	.005010
2.370 2.153	.050070	2.377 1.783	.005010	2.400 2.062	.020040	2.437 1.498	.010020	2.481 1.673	.105135	2.498 1.881	.020030
2.371 1.515	.050070	2.378 .689	.040060	2.400 2.200	.015050	2.437 1.875	.020035	2.481 2.185	.005010	2.498 1.910	.060070
2.371 1.815	.020040	2.378 1.255	.005010	2.400 2.205 2.400 2.220	.005010	2.437 2.000 2.437 2.187	.005075	2.482 2.142 2.482 2.150	.025040	2.498 2.002	.005015
2.371 1.865 2.372 .418	.015030	2.378 1.785 2.378 1.800	.025035	2.400 2.220	.050070 .010030	2.437 2.167	.025040 .020040	2.483 1.591	.050070	2.498 2.015 2.498 2.032	.050070
2.372 .418 2.372 .866	.015030 .025060	2.378 1.849	.090125 .090105	2.401 1.209	.010030	2.438 .350	.020040	2.483 2.110	.020030	2.498 2.119	.015030 .060080
2.372 1.000	.025040	2.378 1.849	.090105	2.401 1.889	.015010	2.438 .390	.042060	2.484 1.640	.020030	2.498 2.119	.005020
2.372 1.000	.100125	2.378 2.000	.040060	2.401 2.067	.025040	2.438 .660	.110120	2.485 1.055	.135156	2.498 2.310	.070080
2.372 1.513	.050075	2.378 2.005	.040060	2.402 .760	.015030	2.438 .691	.105135	2.485 1.395	.105125	2.499 .325	.060080
2.372 1.654	.040060	2.379 .876	.060080	2.402 .760	.050070	2.438 .940	.100125	2.485 1.667	.010020	2.499 1.026	.005010
2.372 1.034	.015030	2.379 1.505	.040060	2.402 1.970	.070090	2.438 1.693	.020040	2.487 1.015	.134187	2.499 1.061	.050070
2.373 .193	.060080	2.379 1.630	.010030	2.402 2.000	.060075	2.438 2.007	.040060	2.487 1.425	.030050	2.499 1.270	.005010
2.373 .210	.030050	2.379 2.011	.030040	2.402 2.295	.005030	2.438 2.160	.015025	2.487 1.635	.005010	2.499 1.313	.105135
2.373 .630	.015030	2.380 .551	.080105	2.403 2.196	.005010	2.438 2.214	.040060	2.488 1.998	.010020	2.499 1.379	.060070
2.373 .642	.080100	2.380 .670	.050075	2.404 1.903	.005010	2.439 1.966	.040060	2.489 1.748	.050070	2.499 1.387	.060080
2.373 .755	.005010	2.380 .870	.060090	2.405 .135	.005010	2.439 1.977	.005015	2.489 1.776	.015020	2.499 1.498	.025040
2.373 .876	.050070	2.380 1.000	.040060	2.405 .467	.050070	2.439 2.164	.015030	2.489 2.002	.005010	2.499 1.749	.005020
2.373 1.125	.025040	2.380 1.250	.030040	2.405 .993	.080104	2.440 .837	.105135	2.490 1.436	.005010	2.499 1.757	.040060
2.373 1.281	.030045	2.380 1.632	.010020	2.405 2.125	.010025	2.440 1.274	.050070	2.490 1.853	.005010	2.499 1.889	.010020
2.373 1.300	.040060	2.380 1.649	.030050	2.405 2.217	.040060	2.440 1.968	.005010	2.490 1.980	.090110	2.499 1.952	.005010
2.373 1.500	.050070	2.380 1.700	.050060	2.407 .658	.100120	2.440 1.978	.020030	2.490 1.996	.105125	2.499 2.040	.010020
2.373 1.739	.015025	2.380 1.937	.040060	2.408 1.875	.020040	2.440 1.982	.015030	2.490 2.060	.005010	2.499 2.061	.015020
2.373 1.912	.005010	2.380 1.997	.015030	2.409 1.873	.030050	2.440 2.175	.005010	2.491 1.011	.120156		
2.373 1.937	.030050	2.380 2.020	.090105	2.410 1.908	.007035	2.440 2.219	.090105	2.491 1.508	.080125		
2.373 2.166	.040060	2.380 2.090	.010020	2.411 2.187	.005010	2.440 2.262	.040050	2.492 1.069	.005010	2.5	
2.374 .346	.105125	2.381 .328	.050070	2.414 1.624	.005010	2.440 2.290	.005010	2.493 .752	.048062	0	
2.374 .560	.040060	2.381 1.437	.025040	2.414 1.935	.025040	2.440 2.330	.010020	2.493 1.255	.080100		
2.374 .625	.050075	2.381 1.552	.020040	2.416 1.519	.040060	2.441 1.527	.050070	2.493 1.400	.025035	0.500 400	045 000
2.374 .900	.020040	2.382 2.014	.105125	2.416 1.911	.030040	2.446 .315	.105125	2.493 1.562	.080105	2.500 .100	.015030
2.374 1.066	.005010 .030187	2.383 .881	.060080	2.417 1.465	.050070	2.447 1.500	.005010	2.493 1.785	.125156	2.500 .113	.015035
2.374 1.170 2.374 1.374	.050167	2.383 2.144 2.384 .318	.005010 .090110	2.418 1.873 2.419 2.187	.020040	2.447 2.040 2.447 2.059	.015030 .005010	2.493 1.850 2.493 2.000	.120135	2.500 .144 2.500 .149	.005020 .080090
2.374 1.574	.040060	2.385 .254	.080110	2.420 1.873	.020030	2.447 2.039	.040060	2.493 2.062	.040060	2.500 .149	.090090
2.374 1.535	.020040	2.385 1.877	.010020	2.420 1.873	.020030	2.448 1.749	.005010	2.494 .616	.030050	2.500 .188	.010020
2.374 1.357	.010020	2.385 1.935	.060080	2.420 2.100	.020035	2.448 1.989	.070090	2.494 1.257	.005010	2.500 .190	.100135
2.374 1.811	.005050	2.387 1.366	.050075	2.420 2.186	.015030	2.448 2.089	.005010	2.495 .508	.105125	2.500 .266	.005010
2.374 1.990	.100120	2.388 1.433	.060070	2.420 2.187	.030050	2.449 1.970	.015035	2.495 .616	.010020	2.500 .312	.125156
2.375 .139	.040062	2.388 1.701	.050070	2.421 1.751	.050070	2.450 .504	.010020	2.495 .620	.015060	2.500 .346	.040060
2.375 .165	.030050	2.388 2.048	.040060	2.421 2.125	.020040	2.450 .754	.010030	2.495 1.150	.005010	2.500 .370	.050070
2.375 .280	.025040	2.389 1.443	.050060	2.422 1.522	.110130	2.450 1.192	.040060	2.495 1.257	.060080	2.500 .375	.080104
2.375 .369	.156187	2.390 .799	.015030	2.422 2.040	.100125	2.450 2.133	.015032	2.495 1.319	.105135	2.500 .385	.125156
2.375 .375	.104134	2.390 1.120	.015030	2.422 2.215	.005010	2.450 2.135	.005030	2.495 1.400	.005010	2.500 .390	.090120
2.375 .390	.160190	2.390 1.188	.050070	2.423 1.422	.005008	2.450 2.140	.012020	2.495 1.651	.030050	2.500 .400	.005010
2.375 .503	.015025	2.390 1.328	.010050	2.423 1.623	.030050	2.450 2.305	.040050	2.495 2.046	.005010	2.500 .405	.105135
2.375 .506	.080100	2.390 1.850	.020040	2.424 1.125	.110130	2.451 .629	.010020	2.495 2.060	.050075	2.500 .438	.090110
2.375 .640	.040060	2.391 2.070	.005010	2.425 1.520	.040060	2.451 .814	.005010	2.495 2.120	.090110	2.500 .440	.080100
2.375 .687	.050075	2.391 2.078	.040060	2.425 1.552	.020030	2.452 1.630	.060080	2.496 1.122	.005010	2.500 .454	.105135
2.375 .717	.100135	2.393 1.100	.010050	2.425 1.899	.010020	2.453 1.565	.060075	2.496 1.123	.010050	2.500 .475	.120140
2.375 .945	.006020	2.395 .813	.040060	2.427 1.187	.010020	2.453 1.791	.075095	2.496 1.665	.080093	2.500 .500	.060080
2.375 .955	.100120	2.395 1.435	.050070	2.427 1.191	.050070	2.453 1.820	.060080	2.496 2.361	.005010	2.500 .500	.090135
2.375 1.067	.120140	2.395 1.443	.050070	2.428 1.510	.050070	2.453 1.828	.134156	2.497 .408	.030050	2.500 .501	.015035
2.375 1.269	.100125	2.395 2.000	.020030	2.428 2.001	.020030	2.453 2.050	.120135	2.497 .813	.045060	2.500 .504	.005020
2.375 1.345	.050070	2.395 2.099	.005010	2.428 2.020	.042060	2.454 1.020	.015030	2.497 1.049	.005010	2.500 .520	.105125
2.375 1.371	.100120	2.396 1.085 2.396 1.783	.010020	2.430 1.651	.010020	2.454 1.827	.105125	2.497 1.311	.005010	2.500 .563	.036060
2.375 1.381 2.375 1.490	.005010 .025050	2.396 1.783	.005010 .010060	2.430 1.938 2.430 2.000	.010020 .020040	2.460 1.726 2.462 1.727	.050060 .050070	2.497 1.314 2.497 1.318	.040060 .080105	2.500 .623 2.500 .624	.040060 .005010
2.375 1.490	.025050	2.396 2.099	.030050	2.430 2.000	.020040	2.462 1.727	.020070	2.497 1.316	.005010	2.500 .628	.010020
2.375 1.639	.100125	2.397 2.024	.030050	2.430 2.116	.015025	2.462 1.940	.040060	2.497 1.498	.040060	2.500 .628	.010020
2.375 1.645	.005010	2.398 2.170	.005010	2.431 2.090	.005010	2.468 .381	.105135	2.497 1.506	.020040	2.500 .635	.015030
2.375 1.688	.030060	2.399 1.393	.080105	2.431 2.090	.020030	2.469 1.270	.010020	2.497 1.518	.030050	2.500 .641	.120135
2.375 1.766	.050075	2.399 1.560	.025040	2.432 1.005	.015025	2.469 2.123	.010020	2.497 1.680	.005010	2.500 .656	.156187
2.375 1.785	.015030	2.399 1.681	.025040	2.432 1.267	.025040	2.469 2.264	.005010	2.497 2.029	.005010	2.500 .660	.105135
2.375 1.812	.060080	2.399 1.713	.005010	2.432 1.679	.040050	2.470 .502	.040060	2.498 .125	.030050	2.500 .688	.105125
2.375 1.906	.042060	2.399 1.720	.035050	2.432 2.000	.005015	2.470 2.362	.005010	2.498 .188	.025040	2.500 .751	.060080
2.375 1.925	.050070	2.399 1.772	.005010	2.432 2.140	.020030	2.472 .814	.125135	2.498 .283	.025040	2.500 .752	.010020
2.375 1.938	.050090	2.399 2.133	.050075	2.433 1.866	.010020	2.473 1.220	.070090	2.498 .300	.040060	2.500 .756	.100125
2.375 1.976	.010020	2.399 2.165	.020040	2.433 2.188	.010020	2.473 2.000	.010020	2.498 .379	.005008	2.500 .760	.090105
2.375 2.019	.020040	2.400 .504	.005010	2.434 1.483	.030050	2.475 .568	.005010	2.498 .385	.020040	2.500 .770	.070090

									7			
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D. Choose Any Thickness*	O.D. I.D.	Choose Any Thickness*						
0.500	000	From To		From To		From To		From To		From To		From To
2.500	.822	.120135		.688 .160190	2.549 1.904	.005010	2.600 .755	.010020	2.625 1.000	.060070	2.652 1.910	.005010
2.500	.845	.105125		.199 .005010	2.549 2.049	.005010	2.600 .812	.005020	2.625 1.020	.005010	2.655 1.137	.050060
2.500	.871	.015030		.249 .005070	2.550 .410	.005010	2.600 1.185		2.625 1.075	.005010	2.657 2.219	.040050
2.500	.879	.005010		.250 .060090	2.550 .505	.005020	2.600 1.456	.020030	2.625 1.250	.030040	2.660 2.217	.010020
2.500	.912	.090110		.500 .005010	2.550 .755	.010020	2.600 1.542	.040060	2.625 1.257	.005010	2.662 2.050	.040060
2.500	.934	.070090		.530 .005010	2.550 2.022	.005010	2.600 1.782	.020030	2.625 1.315	.080100	2.665 2.055	.040060
2.500	.951	.040060	2.501 1.		2.550 2.300	.005010	2.600 2.120		2.625 1.413	.080104	2.665 2.230	.040060
2.500	.984	.070090		.745 .104134	2.550 2.442	.010020	2.600 2.176		2.625 1.516	.100125	2.666 1.715	.040060
	1.000	.005040		.137 .020040	2.554 1.848	.030050	2.600 2.180	.018030	2.625 1.531	.104134	2.673 1.003	.020040
	1.006	.060070		2.186 .005010	2.555 1.873	.005010	2.600 2.300	.040060	2.625 1.640	.010060	2.674 1.003	.010020
	1.014	.110130		.314 .005010	2.555 1.899	.030048	2.601 1.391	.070090	2.625 1.701	.025040	2.675 1.440	.040060
2.500		.005010		.401 .015030	2.556 2.364	.040060	2.601 2.011	.040060	2.625 1.760	.005010	2.676 1.003	.040060
2.500		.036050		.637 .005010	2.557 1.640	.010020	2.602 1.378	.010020	2.625 1.781	.015030	2.677 2.362	.030050
2.500		.005010		.771 .005010	2.558 1.385	.050075	2.602 2.402	.030050	2.625 1.882	.010020	2.677 2.382	.060080
2.500		.120156		.134 .040060	2.558 1.930 2.558 2.070	.030050	2.603 1.250	.020040	2.625 1.926 2.625 1.998	.050075	2.677 2.440 2.684 2.178	.020032
2.500		.010060		.500 .020030		.060070	2.603 1.932	.050070		.050070		.020032
2.500		.093100	2.502 1		2.559 .417 2.559 1.639	.135156	2.603 2.180	.020031	2.625 1.998	.105125	2.685 .843	.020040
2.500	1.192	.020040	2.502 1		2.559 1.639 2.559 1.897	.010020	2.604 1.559	.050070	2.625 2.002 2.625 2.010	.005010	2.685 .844 2.685 2.177	.030050
2.500 2.500		.010020	2.502 1. 2.502 1.	.999 .125156	2.560 .531	.105120 .135187	2.605 1.685 2.605 1.810	.050070 .050070	2.625 2.367	.020030 .040060	2.687 1.635	.010030 .090105
2.500			2.502 1		2.560 1.136	.050070	2.607 2.015	.010030	2.626 .440	.005010	2.692 .126	.005010
		.050070							2.626 .500	.104134		
2.500 2.500		.015025 .105125	2.502 2. 2.503	.282 .025040 .509 .010020	2.560 1.220 2.560 1.250	.040050 .025040	2.607 2.063 2.608 2.063		2.626 .895	.104134	2.692 1.267 2.694 2.081	.005010 .080093
	1.275	.105125		.625 .040060	2.560 1.250	.025040	2.608 2.063	.025040	2.626 .895	.105135	2.694 2.081	.040060
2.500		.005010		.025 .040060	2.560 1.422	.005010	2.610 .513	.035050	2.626 1.532	.006015	2.700 .780	.020040
2.500		.010020	2.503 1.		2.560 1.898	.003010	2.610 2.185	.020040	2.626 1.562	.015025	2.700 2.540	.020040
2.500		.070020	2.503 1		2.560 2.366	.005010	2.610 2.163	.005010	2.626 1.577	.030050	2.713 2.380	.020035
2.500		.005010	2.503 2.		2.561 .760	.020040	2.610 2.202	.030050	2.626 1.658	.060090	2.720 1.125	.020035
2.500		.040060		.875 .100120	2.561 1.657	.100134	2.612 2.300	.050070	2.626 1.745	.060090	2.725 2.010	.035050
2.500		.005010	2.504		2.561 2.091	.042060	2.612 2.300	.025040	2.626 1.745	.025040	2.730 2.007	.020035
	1.346	.005010		.515 .020040	2.561 2.177	.010020	2.615 .560	.100125	2.626 1.825	.060090	2.730 2.060	.040060
2.500		.030040		.145 .025040	2.562 .407	.030050	2.615 2.136		2.626 1.836	.060080	2.734 2.323	.020030
	1.392	.040060		.195 .060080	2.562 1.521	.020040	2.615 2.140	.050075	2.626 1.849	.005010	2.735 1.985	.030040
	1.394	.040060		.929 .050070	2.562 1.562	.100125	2.615 2.354	.020030	2.626 1.871	.010020	2.735 1.965	.050040
	1.500	.105125		.413 .120135	2.562 1.811	.020035	2.615 2.380	.015030	2.626 1.933	.060090	2.736 2.253	.010020
2.500		.020050		.416 .100134	2.562 2.313	.010020	2.617 1.549	.050075	2.626 2.000	.015050	2.738 2.267	.030050
2.500		.050060		.989 .005010	2.563 .756	.020040	2.618 1.760		2.626 2.062	.060080	2.739 2.403	.020040
	1.517	.005010		.562 .050125	2.563 2.003	.020040	2.618 2.007	.015030	2.626 2.074	.060080	2.740 1.501	.010030
2.500		.050070		.310 .015025	2.563 2.006	.015030	2.619 1.754	.015030	2.627 .394	.010020	2.740 2.200	.020030
	1.529	.070090		.502 .090105	2.563 2.028	.005010	2.619 2.124	.015025	2.627 .395	.005010	2.740 2.250	.010020
2.500		.050075		.698 .105125	2.564 1.706	.080105	2.620 .412		2.627 .500	.135187	2.742 1.728	.030040
2.500		.025042		.781 .040060	2.564 2.435	.005010	2.620 .553	.005010	2.627 1.266	.025040	2.743 2.520	.030040
2.500		.040060		.980 .030060	2.565 .412	.005010	2.620 1.124	.005008	2.627 1.296	.060075	2.745 .888	.005010
2.500		.005060		.145 .015030	2.565 2.146	.015045	2.620 1.255		2.627 1.317	.060080	2.745 2.345	.020030
	1.635	.090125		2.218 .080100	2.565 2.434	.005020	2.620 1.322	.005010	2.627 1.461	.060075	2.747 1.400	.025040
2.500		.040060		.581 .070090	2.566 2.320	.040060	2.620 2.381	.010020	2.627 1.561	.060075	2.749 1.376	.040050
2.500		.005010	2.516 1.		2.567 .407	.030050	2.622 .252	.120134	2.627 1.674	.105125	2.749 2.497	.005010
2.500		.105125	2.518 1.		2.570 1.827	.070090	2.622 .341	.075090	2.627 1.949	.025040		
2.500		.090105	2.518 1.		2.570 1.828	.010020	2.622 1.067	.015030	2.627 2.263	.010020		
2.500		.040060		.354 .060080	2.571 .710	.080100	2.622 1.130		2.627 2.321	.040060		
2.500		.015062		.368 .005010	2.574 2.250	.010020	2.622 1.637		2.628 .351	.005010		
2.500		.040060	2.520 1.		2.575 .711	.040060	2.622 1.868		2.628 .634	.080100	07	
2.500		.075156	2.520 2.		2.578 1.025	.030060	2.622 2.002		2.628 1.878	.040060	2.7	
2.500		.010031	2.520 2		2.578 2.076	.005010	2.623 .514		2.628 1.881	.005010		JU
2.500		.005010	2.520 2		2.579 2.060	.090120	2.623 2.025		2.628 2.253	.050070		_
2.500		.015030	2.520 2.		2.580 1.381	.120135	2.623 2.372	.010020	2.629 1.920	.050070	2.750 .505	.010020
2.500	1.889	.030050	2.522 1.		2.580 2.137	.020040	2.623 2.376		2.629 2.065	.005010	2.750 .563	.090125
2.500		.020030	2.523 2.		2.580 2.196	.015025	2.624 .124		2.629 2.290	.005010	2.750 .628	.010030
2.500	1.900	.010025	2.524	.533 .005010	2.580 2.338	.020040	2.624 .750	.105125	2.630 .254	.020040	2.750 .629	.010020
2.500		.010060	2.528 2		2.582 1.750	.010020	2.624 .754		2.630 .411	.015030	2.750 .760	.020040
2.500		.025040	2.530 1.		2.583 .880	.040060	2.624 1.533		2.630 1.419	.030050	2.750 1.200	.020030
2.500		.042062	2.530 1.		2.585 .536	.110130	2.624 1.571	.110130	2.630 1.610	.090105	2.750 1.250	.010020
2.500		.010031	2.530 2		2.586 2.031	.020040	2.624 1.781	.030050	2.630 1.689	.020040	2.750 1.300	.020035
2.500	2.001	.005010	2.530 2.		2.588 .391	.060080	2.624 1.791	.015030	2.630 2.291	.060080	2.750 1.312	.040060
2.500		.036135	2.530 2.		2.589 2.100	.040060	2.624 1.897		2.630 2.292	.005010	2.750 1.437	.050070
2.500		.040060	2.530 2.		2.590 .345	.105125	2.624 1.958		2.630 2.385	.030060	2.750 1.562	.040060
2.500		.020030	2.531 2.		2.590 .600	.050070	2.624 1.996	.005010	2.631 2.288	.005010	2.750 1.635	.020030
2.500		.020040	2.533 2.		2.590 2.253	.050070	2.625 .251	.040050	2.634 1.868	.040060	2.750 1.880	.020040
2.500	2.125	.040050	2.534 2.	.087 .050060	2.591 2.373	.020030	2.625 .281	.080104	2.635 1.634	.005010	2.750 2.000	.010050
2.500		.005010		.301 .040060	2.591 2.376	.015030	2.625 .347	.100125	2.635 1.868	.015030	2.750 2.370	.010015
2.500	2.175	.005060	2.540 1.	.528 .030050	2.594 2.368	.020030	2.625 .362	.005010	2.635 1.911	.080100	2.750 2.453	.005010
2.500		.025040	2.540 1.	.942 .005010	2.595 1.580	.020080	2.625 .376	.050075	2.636 1.636	.005010	2.750 2.500	.010020
2.500		.040080	2.540 2.		2.598 1.625	.080100	2.625 .383		2.640 1.630	.005010	2.755 .375	.010020
2.500		.020035	2.540 2.		2.598 2.392	.005010	2.625 .385		2.640 2.410	.030050	2.755 1.260	.035045
		.005010	2.541 1.		2.599 1.378	.010020	2.625 .469		2.645 2.057	.010020	2.755 2.346	.025035
2.500		.020030	2.542 1.		2.599 1.387	.060080	2.625 .502		2.645 2.175	.030040	2.755 2.401	.010040
			2.544 1.		2.600 .503	.005020	2.625 .503		2.647 2.174	.020040	2.756 1.085	.010020
2.500		.005010	2.544 1.	.000 .010								
2.500 2.500		.005010	2.544 1.		2.600 .629	.010020	2.625 .627	.090120	2.650 .628	.010020	2.756 2.284	.040050
2.500 2.500 2.500	2.343			.241 .040060		.010020 .015030	2.625 .627 2.625 .750		2.650 .628 2.650 .754	.010020 .020030	2.756 2.284 2.756 2.401	.040050 .040050
2.500 2.500 2.500 2.501	2.343 .253	.010020	2.544 2.	.241 .040060 .996 .050070	2.600 .629			.040070				

											WASHEN				OIVIDLI		
O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*	O.D.	I.D.	Choose Any Thickness*
		From To			From To			From To			From To			From To			From To
2.780		.025040	2.945		.040060	3.100	.628	.010020	3.450		.005010	3.780		.020040	4.250		.050060
2.780		.020040	2.949		.040060	3.100		.005060	3.450		.040050		1.435	.030050	4.250		.020030
2.780		.010050 .006010	2.950 2.950	.628	.010020 .040050	3.100 3.100		.030050	3.450 3.452		.030040 .010015		3.300 3.350	.020035 .020040	4.250 3 4.254 3		.015025 .040050
2.787		.015025	2.950		.040030	3.100		.030030	3.454		.010013		3.415	.040060	4.270		.020040
2.790		.030040	2.950		.020040	3.110		.010020	3.463		.020030		3.332	.030040	4.300 3		.020040
2.795		.006010	2.953	.551	.015025	3.110		.010020	3.466		.040060		1.780	.020040	4.308 2		.020040
2.796		.060078		1.719	.040050	3.120		.040060	3.470	.705	.090105		2.805	.005010		2.385	.020040
2.798	.750	.010030	2.958	2.469	.040060	3.120	2.750	.010020	3.475	2.595	.010030	3.858	2.765	.010020	4.358	.485	.048062
2.798		.005010	2.965		.020040	3.121		.048062	3.481		.010020		1.370	.020032		3.273	.020035
2.799	.755	.020030	2.967	.786	.040060	3.123		.015025	3.482		.032042		1.642	.050062	4.370		.010020
2.800	.628	.010020	2.969		.010025	3.123		.010020	3.484		.035048		1.150	.040060	4.373		.010015
2.800		.020030	2.977		.020040	3.125	.625	.050070	3.490		.010030		2.515	.030050	4.375		.030040
2.800		.010020	2.980 2.986		.010020 .060080	3.125 3.125		.048062	3.491 3.494	.636	.010015 .090125		2.396 2.315	.050060 .020030	4.376 3	3.256 3.375	.025040 .006012
2.810	.169	.015025	2.992		.010030	3.125		.020040	3.497		.060080		2.700	.050060	4.398 3		.015030
2.810		.006010	2.994		.010020	3.130	.315	.105125	3.498		.030040		3.360	.020040	4.402 2		.010020
2.810		.010020	2.995	.949	.010015	3.138		.020030					3.513	.030040	4.420 3		.020030
2.812	.192	.050062	2.997	2.187	.010020	3.138	1.578	.020030				3.908	2.352	.020040	4.432 3	3.810	.020035
2.815	1.969	.020040	2.998	2.380	.050060	3.140	1.446	.020030				3.924	.492	.030050	4.434	3.153	.010015
2.816		.020035	_	_		3.149	.722	.090125	_			3.925	2.224	.020030	4.435	.756	.050070
2.816		.020040				3.149		.020050		.5			1.673	.010020		3.470	.020030
2.819		.030040	5 .	.0	UU	3.150	.630	.010030	5	.0	UU		2.008	.015025	4.471 3		.020030
2.825 2.828		.010020 .030040		_		3.150 3.150		.040060 .015025					2.362 3.150	.020032	4.480 4	4.030	.025035 .030050
2.828		.010015	3.000	.250	.030050	3.150		.015025	3.500	.135	.015025	3.937		.050060	4.490 2		.030050
2.829		.020040	3.000	.253	.005060	3.173		.040050	3.500	.504	.040060		3.505	.020040	4.499 2	.504	.040060
2.830		.020040	3.000	.312	.040060	3.185		.005010	3.500		.040060		3.612	.030050		2.500	.048062
2.830		.050060	3.000	.343	.010015	3.185		.020030	3.500		.040050	3.987		.010015	4.550	.243	.040060
2.835	.267	.020040	3.000	.375	.020040	3.191		.040060	3.500	2.250	.020035	3.995	1.509	.005010	4.570	3.870	.020030
2.840	2.540	.010020	3.000	.531	.090105	3.195	1.260	.005010	3.500	2.500	.010020	3.997	1.381	.005010	4.623	4.328	.010015
2.843	.781	.010015	3.000	.535	.040060	3.195		.020035	3.500		.030050	3.998	2.998	.010020	4.666		.030042
2.843		.010015	3.000	.560	.050070	3.200		.010075	3.500		.005010					3.560	.005010
2.845		.005040	3.000	.750	.090105	3.220		.020030	3.500		.010015				4.688		.005010
2.850 ± 2.850 ±		.005010	3.000	.890 .981	.020040	3.240		.010030	3.500		.020030					3.865 3.140	.010020
2.854		.010020	3.000		.020035	3.248		.010015	3.500		.010020	4		00	4.710 3		.010020
2.855		.015025	3.000		.010015	3.249		.005010	3.503		.040060	4		00		3.884	.020035
2.867		.015025	3.000		.048062	3.250	.190	.010020	3.510		.020040					4.083	.030050
2.869	1.765	.005010	3.000	1.750	.050070	3.250	.628	.010020	3.511	3.207	.040050				4.850 4	4.450	.005010
2.869	1.900	.030050	3.000	2.000	.020040	3.250	.750	.010015	3.515	3.050	.050060	4.000	.504	.040060	4.860	.390	.090125
2.870		.048062	3.000		.030050	3.250		.005010	3.520		.020030	4.000	.690	.040060		4.350	.020036
2.871		.020030	3.000		.010020	3.250		.005010	3.537		.020040		1.010	.050070	4.860 4		.015030
2.872		.010020	3.000		.020040	3.250		.030050	3.537		.030050		2.000	.008015	4.875		.020030
2.873	1.371 .755	.005010	3.000		.048062	3.250 3.250		.020030	3.540 3.543		.015030	4.000		.040060	4.935 4		.015025
2.875		.005030	3.000		.020040	3.250		.010020	3.545		.040054		2.530	.030050		4.260	.020030
2.875		.020040	3.000		.010030	3.259		.010060	3.550	.628	.020030		2.562	.048062	4.975		.025040
2.875		.030050	3.009		.048062	3.263		.030040	3.550		.020030	4.000		.020040	4.994		.020040
2.880	2.020	.030040	3.010	2.530	.030040	3.265	2.465	.020030	3.551	3.015	.020030	4.000	2.780	.040060			
2.880		.050060	3.015		.008015	3.290		.020035	3.557		.010020		3.000	.008025		_	
2.880		.015030	3.029		.050070	3.290		.020035		.259	.030050		3.360	.010030			
2.880		.030050	3.030		.010020		.630	.015030	3.570		.040060		3.362	.010020		J	00
2.883 2.885		.008016 .020040	3.031 3.031		.030040 .050060	3.300 3.306		.020035 .040050	3.570 3.572		.030040 .030050		3.410 3.426	.020030 .020030		_	
2.885		.020040	3.031		.050060	3.312		.040050	3.572		.030050		3.544	.020030	5.000	.270	.040060
2.890		.005010	3.032		.030050	3.313		.010020	3.575		.036050		3.572	.040060	5.000		.030050
2.895		.020030	3.037		.020035	3.313		.025040	3.586		.020032		3.060	.040060	5.125		.015025
2.900	.630	.010030	3.047		.040050	3.325		.015025	3.590		.020040		3.309	.050060	5.140 2		.006012
2.900	.780	.080105	3.050	.630	.015030	3.337	.308	.080090	3.609	2.250	.025040	4.055	1.299	.050060			
2.900		.060080	3.060		.010015	3.340		.020030	3.609		.025040		3.750	.005010			
2.900		.010040	3.060		.040050	3.341		.005010		.750	.040060		3.275	.020030	F	or ou	tside
2.911		.040060	3.062		.020030	3.347		.030050	3.625		.062080		3.858	.010020			up to 12"
2.915		.040060	3.062		.025035	3.364		.020030	3.625		.020040		3.267	.010020			
2.915		.020030	3.063		.048062 .090105	3.367		.020030	3.625 3.625		.010020		2.549	.020030			BOKER'S
2.916 2.919		.050060	3.065 3.065		.040050	3.370 3.373		.046062	3.640		.020030 .020040	4.125	3.150 1.781	.035050	at (8	300) 9	27-4377
2.920		.050060	3.066		.040050	3.375		.010030	3.647		.020040		3.430	.020030			
2.925		.040060	3.067		.040050	3.375		.015025	3.661		.010030		3.750	.020040			
2.925	2.362	.020040	3.070		.010020	3.385		.020030	3.663		.040060		3.214	.048062		EW T	2016
2.930		.020030	3.070		.020040	3.387		.020030	3.700		.040060	4.130		.020030			OOLS
2.931		.040060	3.070		.015025		.191	.010015	3.700		.020040		3.576	.020030	CC	NITH	IUALLY
2.932		.010020	3.077		.040060	3.393		.020040	3.733		.020035		2.136	.010020	AD	DED!	For the
2.934		.060070	3.080		.040050	3.395		.020030	3.735		.010020		3.505	.020032			to-date
2.935		.020030	3.085		.060080	3.400	.400	.048062	3.740		.040054		1.618	.020040			
2.937		.040060	3.090		.048062	3.400	.628	.020030	3.750 3.750	.656 .875	.090105	4.224		.020032			her sizes,
2.937 2.937		.040060 .025040	3.093 3.093		.020040 .010040	3.426 3.427		.010030 .020035	3.750		.020035 .005010		2.020 2.525	.020040 .020032	р	lease	visit
2.937		.025040	3.093		.010040	3.427		.020035	3.750		.005010	4.240	.780	.020032	b	okers	.com
2.944	.572	.010020	3.099		.040050	3.450	.630	.010030	3.761		.030050	4.250	.801	.020030			
				-						-							

Designer's Guide to Precision Metal Stampings

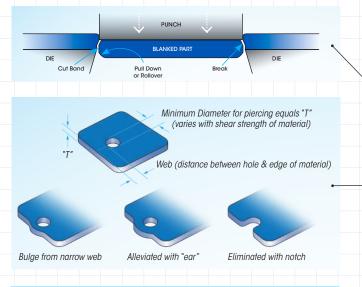


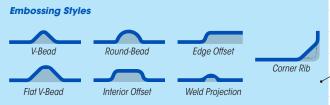
INTRODUCTION

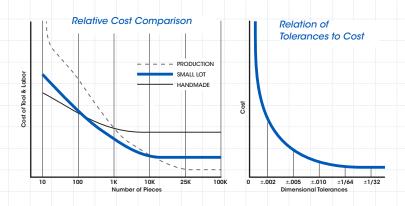
Boker's has been a metal stamping leader for over 100 years. The following is excerpted from a longer white paper authored by Boker's regarding short-run stamped components and considerations for design engineers regarding these crucial pieces.

The basics of metal stampings.

Precision metal stampings are produced by converting flat metal sheet or coil into engineered component parts for manufacturers. Parts can be flat and simple or complex profiles. Stampings are produced using a variety of punch presses that brings to bear ten to hundreds-of-tons of stamping pressure onto the sheet or coil. In their most basic operation, punch presses use a corresponding die and punch tool for flat blanking—a flat metal cutout of the exact periphery shape and size of the part. Additional metal forming stages are often employed to produce complex parts and profiles including piercing, and metal forming operations such as bending, drawing, flanging, embossing, rolling, and others.







What are the advantages of short-run custom stampings?

Compared to permanent production tooling, short-run stamping offers high quality and durability plus considerable manufacturing advantages—primarily in cost and time. Significantly lower initial tooling costs versus permanent tooling offers savings that gives manufacturers greater design and component inventory flexibility. Small quantity needs, customization, pilot runs, testing, frequently-changing designs, functional prototypes and limited production runs are all opportunities for short-run stampings that would be less feasible with expensive permanent tooling.

STAMPING OPERATIONS

Flat Blanking

Flat blanking is the process of stamping out the perimeter of a product from sheet or coil material to produce more complex metal blanks. Blanking can also be performed with flat non-metallic sheet or coil material.

Metal Piercing

Piercing metal is a shearing process used to produce holes, slots and/or notches with tight tolerances within a component part or raw material. The punched side of pierced metal produces a clean cut with high output rates often making it a more productive method than drilling, machining, or using a laser. Boker's utilizes a CAD drawing system, over 70 different punch presses, digital servo feeders and compound as well as progressive dies to transform raw material into your most complex components.

Metal Forming

Metal forming is the process of converting a flat piece of metal into a three-dimensional part. Metal forming can be done in a variety of ways including bending, drawing, embossing, rolling etc.

Selecting the Optimal Washer



Flat: Most common washer category generally used for load disbursement. Internal and external shape may be round, symmetrically square, hexagonal or rectangular.



Tab: A type of lock washer designed with one or more tabs or notches to effectively lock a part into place, generally used where heat or heavy vibrations are a factor.



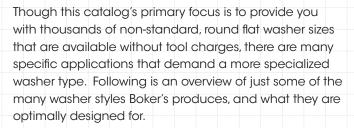
Lock: Designed to secure fasteners that have a tendency to rotate or lose friction. Often paired with a flat washer to evenly disburse load without deforming the assembly.



Cylindrically Curved: They offer the most uniform spring constant of any of the spring washer types.



Finishing: Also referred to as "countersunk" washers, finishing washers are often found on consumer products and used as an appearance part where the washer catches the head of a fastener, allowing it to sit flush with its surrounding surface.



To review Boker's complete *Optimal Washer Solution quide*, visit **bokers.com/washerguide**.



Shoulder: Shoulder washers, also known as "step" or "flange" washers, have an appearance of a low-crowned top hat and an integral cylindrical sleeve. The sleeve is designed to mate with a cutout and segregates the fastener from the material it is secured to.



Wave: These washers are ideal for obtaining loads when the load is static or the working range is small and the amount of axial space is limited.



Belleville: Deliver the highest load capacity of all the spring washers and are very common in thermal expansion applications.



Fender: Fender washers have an outside diameter that is much larger in proportion to the center hole to distribute a load evenly across a large surface area.



Shim Stacks: Ideal for simple and complex applications as they offer exact dimensions for precise spacing.



Estimated Non-Metallic I.D. Shrinkage Factor

MATERIAL	FACTOR %
Polycarbonate	10-12
Nylon	10
Polyethylene	10
Acetal	10
PVC	10
A.B.S.	10
MD Nylon	10

MATERIAL	FACTOR %
Polypropylene	5-10
PTFE	5
Polyester	5
Linen Phenolic	5
Vulcanized Fiber	0-5
FR-4	0-5
G-10	0-5

Non-Metallic Washers and Spacers

The thickness ranges stated in this catalog are minimum and maximum values for metallic washers and spacers but may be suitable for non-metallic parts as well.

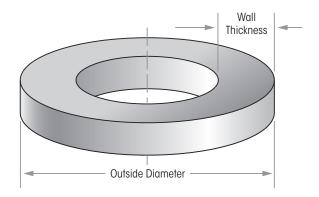
When determining the proper sized tool for your washer or spacer, the outside diameter (O.D.) listed in the catalog typically remains the same for both the metallic and non-metallic part. The inside diameter (I.D.), however, may shrink by as much as twelve percent of the material thickness depending on the material used and its thickness. Rely on Boker's experienced Sales Associates to determine the proper tool to manufacture the size part you specify.



Did You Know?

Washer Wall Thickness

Acceptable limits for minimal wall thickness on flat washers can be determined by reviewing the table below. There can be exceptions but you should always check with a Boker's Sales Associate for more information.



WALL THICKNESS TABLE

O.D. R Inches	ANGE Millimeters	MINIMUM WA Inches	LL THICKNESS Millimeters				
.1875375	4.76 - 9.5	.0625	1.6				
.375 – 1	9.5 - 25	.09375 2.4					
1 - 2	25 - 51	.125	3.2				
2 - 3	51 - 76	.1875	4.76				
3 – 5	76 - 127	.25	6.35				
Fo	or:	Minimu	m Wall:				

FOr:	Minimum Wali:
Low carbon steel—annealed 1050 high carbon steel—annealed Copper alloys—all tempers Aluminum alloys—all tempers	Two times material thickness but not less than above chart
Stainless steel annealed blue steel* Pre-tempered high carbon steel*	Three times material thickness but not less than above chart

*Note: Contact your Boker's Sales Associate for exceptions. Special tooling or setup procedures sometimes permit a narrower wall thickness. There is a limit of up to .020" maximum thickness of blue steel and pre-tempered high carbon steel.

Edge Conditions

Burrs are a normal by-product of the metal stamping blank and piercing process. They can have ragged, sharp and uneven edges.

MATERIAL THICKNESS	When deburring is NOT specified	When deburring is specified, such as "Must be burr free"
.010" or less	.001″	.0005″
.011"039"	.002″	.001″
.040"079"	.003″	.002″
.080"125"	.004″	.003″
.126" or more	.006"	.004″

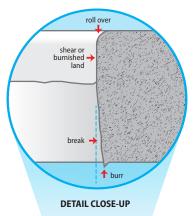
Boker's maximum burr on metallic washers and stampings

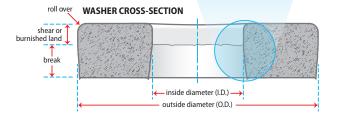
Feature Size: This is to be measured only in cut portion of the hole and cut portion of the outside diameter.

Shear or Burnished Land: This is a burnished area which is approximately one third of the material thickness.

Break: This is an area which is tapered about three degrees. This area has a rougher surface than the shear area.

Roll Over: This area is a natural consequence of the punching process and the mechanical properties of the material being punched and the die application techniques employed.







Equipment & Capabilities

Housed in over 165,000 square feet, Boker's manufactures domestically at our single site manufacturing plant. All equipment, listed below, as well as all tooling are protected by a central station security and fire system.

Tool & Die Department

- CAD CAM Drawing System
- Kitamura Vertical Machine Center
- · Mori Seiki Vertical Machine Center (20" x 40")
- Mori Seiki High Precision C.N.C. Lathes
- · Digital Optical Comparator
- (2) Clausing Surface Grinders
- · Matsui Precision Grinder
- (2) Charmilles Wire E.D.M. (14" x 21" x 8")
- (2) Fanuc Wire E.D.M.
- Ocean Technologies E.D.M. Drill
- Okamoto Precision Grinder
- Stratasys Dimension SST 1200ES 3D Printer



Washer Department

- (20) Punch Presses (10 to 75 tons)
- Digital Servo Feeders
- Electric Coil Reels (1,200 lb. capacity)
- Coil Straighteners
- Tonnage Monitors

Stamping Department

- (46) Punch Presses (10 to 180 tons)
- Aida Servo Press
- (2) High Speed Minster Progressive Die Presses (60 to 150 tons)
- · Digital Servo Feeders
- Electric Coil Reels (6,000 lb. capacity)
- 48" Press Brake
- Optical Part Detection Systems
- Press Control Automation
- Tonnage Monitors
- (2) Material Handling Conveyors







Heat Treating Department

- Electric High Temperature Hardening Furnaces
- Electric Tempering Furnaces (all furnaces calibrated)

Raw Stock & Shear Department

- (3) 10' Shears (.20" thick maximum)
- · Stanat Model Rolling Mill
- IRM Rolling Mill
- Cooper Weymouth Roller Levelers
- Coil Set Straightener
- · Wilder Coil Slitter
- · Computer Inventory & Control System
- (2) Material Slitting Machines

Secondary Operations Department

- Trimming Lathes
- Production Milling Machines
- Pneumatic Presses
- Tapping Machines
- 6 Spindle Machine Centers (multiple head drilling, tapping, and reaming)
- 4 Straight-liners up to 18"
- · Parts Washing System



Shipping Department

- Toledo Electronic Scales & Printer
- Precision Electronic Scales & Printers
- · Automated Protective Packaging Bagger
- Polychem Automatic Plastic Strapping System
- Hercules Ergo Container Handling System
- Wulftec Pallet Wrapper

Cleaning & Deburring Department

- · Agitated Chemical Washing System
- Rotary Deburring Machines
- Vibratory Deburring Machines
- Centrifugal Tumblers
- Heated Centrifugal Dryers
- · Lewis Ultrasonic Cleaner
- High Energy Deburring Machines
- Mass Finishing Machines
- · Custom Parts Dryer
- Custom Automated Multi-Station Deburring System
- · Custom Multi-Station Vibratory **Deburring Machine**



Inspection Department

- · Numerex Coordinate Measuring Machine
- · Digital Optical Comparator
- · Digital Buehler Hardness Tester
- Digital Profilometer
- Ceramic Gauge Block Sets
- Plug Gauge Sets
- Height Gauges
- Thread Gauges
- Statistical Process & Capability Studies
- Climate-controlled & Monitored
- Keyence Vision System

Material Capabilities

- Material Thickness: .005" to .190" (varies by material)
- Blank Size: 12" x 12" maximum (flat)
- · Draws: 8" diameter, 3" deep

(71)

BOKER'S Delivers



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