# J.W. WOOD CO,. INC. Industrial Sales Co. 

 P.O. Box 991600, Redding, CA 96099-1600 (530) 222-0423 • FAX (530) 222-5063
## Serving all of Northern California - Industrial Pipe, Valves and Fittings

## Stainless Steel Products -

- PIPE \& TUBING

Welded \& Seamless, all schedules and grades
PIPE \& TUBE FITTINGS
Butt-weld, Socketweld, Screwed, Compression, Flanges, Nipples. Tube O.D.

- VALVES

BFV, Ball valves, Gate, Globe, Knife Gate, Check, Needle, Plug, Automated, Diaphragm

## Pipe \& Tubing -

- STEEL

Welded \& Seamless, All Schedules
(A-53, A-106), etc.

- PLASTIC

PVC, Sch. 40 \& 80, Class Pipe, CPVC

- COPPER

Types (K,L,M) Hard \& Soft, Refer Tubing

- STAINLESS STEEL

Pipe: Type 304/316 Sch. 10, 40, 80
Tube: Type 304/316 POL \& B/A

- BRASS

Bushing Stock

- PIPE NIPPLES

Cut to Size $-1 / 8^{\prime \prime}$ to 6 "

## Pipe \& Tube Fittings -

- MALLEABLE

Std. \& Ex-Hvy. (Blk. \& Galv.)

- FORGED STEEL

Screwed \& Socket-Weld
Threadolet, etc.

- WELD

Fittings, Sch. 40 thru 160
Flanges, 150 lb . thru 2500 lb .

- TANK FLANGES

Forged Steel; Stainless Steel

- CAST IRON

125 lb .250 lb . Screwed \& Flanged

- STAINLESS

Type 304/316 Screwed \& Butt-Weld

- PVC \& CPVC

Sch. 40 \& 80 Fittings
Repair Couplings; Nipples

- SWAGE NIPPLES

Std. \& Ex. Hvy.

- COPPER

Sweat Fittings

- BRASS

Screwed Fittings \& Flanges
Compression \& Flare

- SWIVEL JOINTS

OPW

- NIPPLES

Blk., Galv., Stainless, Brass,
PVC, King

- COUPLINGS

Merchant Steel $150 \mathrm{lb} . / 300 \mathrm{lb}$.
P-T Quick Coup
Dresser Style; Insulating Coup

Valves \& Accessories - Valve Materials: Bronze, Iron, Stainless, PVC, Steel, Etc.

| Ammonia | Checks | Float Valves | Knife Gates | Relief: Pressure | Valve Actuators |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Backflow | Cocks: Gas, | Foot Valves | Lubricated Plug | \& Vacuum | Valve Repair |
| Devices | Air \& Stream | Gates | Needle | Sanitary Valves | Service |
| Ball | Control | Globes | Pressure | Solenoid | Forged Steel |
| Butterfly | Diaphragm | Hose Bibs | Reducing \& | Steam Traps | Regulating |
|  |  |  | Strainers |  |  |

## Industrial Supplies -

Cutting Oils
Flexible Connectors
Flow Meters \& Indicators Gaskets

Gauges \& Accessories
Hose Clamps
Packing Materials
Pipe Hangers \& Supports

Pipe Joint Compounds
Safety Equipment
Thermometers
Ridgid Tools

# J.W. WOOD CO,. INC. Industrial Sales Co <br> <br> P.O. Box 991600, Redding,CA 96099-1600 <br> <br> P.O. Box 991600, Redding,CA 96099-1600 (530) 222-0423 • FAX (530) 222-5063 

## Specializing in the Distribution of Stainlesss Steels and Exotic Alloys Pipe - Tubing - Fittings - Flanges <br> Sheet - Plate - Bar

UPPER FIGURES = WALL THICKNESS IN INCHES
LOWER FIGURES $=$ WEIGHT PER FOOT IN POUNDS

| Pipe Size | $\begin{gathered} \text { O.D. } \\ \text { in Inch } \end{gathered}$ | Dimensions and Weights of Seamless and Welded Pipe |  |  |  |  |  |  |  |  |  |  |  |  |  |  | $\begin{gathered} \text { DBLE. } \\ \text { E.H. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 5 s | 5 | 10s | 10 | 20 | 30 | $\begin{aligned} & \text { 40s \& } \\ & \text { Std. } \end{aligned}$ | 40 | 60 | $\begin{aligned} & \text { 80s \& } \\ & \text { E.H. } \end{aligned}$ | 80 | 100 | 120 | 140 | 160 |  |
| 1/8 | 405 |  | $\begin{array}{r} .035 \\ .1383 \\ \hline \end{array}$ | $\begin{array}{r} .049 \\ .1863 \end{array}$ | $\begin{array}{r} .049 \\ .1863 \end{array}$ |  |  | $\begin{array}{r} .068 \\ .2447 \end{array}$ | $\begin{array}{r} .068 \\ .2447 \end{array}$ |  | $\begin{array}{r} .095 \\ .3145 \end{array}$ | $\begin{array}{r} .095 \\ .3145 \end{array}$ |  |  |  |  |  |
| 1/4 | . 540 |  | $\begin{array}{r} .049 \\ .2570 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .3297 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .3297 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .088 \\ .4248 \\ \hline \end{array}$ | $\begin{array}{r} .088 \\ .4248 \\ \hline \end{array}$ |  | $\begin{array}{r} .119 \\ 5351 \end{array}$ | $\begin{array}{r} .119 \\ .5351 \end{array}$ |  |  |  |  |  |
| 3/8 | . 675 |  | $\begin{array}{r} .049 \\ .3276 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .4235 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .4235 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .091 \\ .5676 \\ \hline \end{array}$ | $\begin{array}{r} .091 \\ .5676 \\ \hline \end{array}$ |  | $\begin{array}{r} .126 \\ .7338 \\ \hline \end{array}$ | $\begin{array}{r} .126 \\ .7338 \\ \hline \end{array}$ |  |  |  |  |  |
| 1/2 | . 840 | $\begin{array}{r} .065 \\ .5383 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .5383 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ .6710 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ .6710 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .109 \\ .8510 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ .8510 \\ \hline \end{array}$ |  | $\begin{array}{r} .147 \\ 1.088 \\ \hline \end{array}$ | $\begin{array}{r} .147 \\ 1.088 \\ \hline \end{array}$ |  |  |  | $\begin{array}{r} .187 \\ 1.304 \\ \hline \end{array}$ | $\begin{array}{r} .294 \\ 1.714 \end{array}$ |
| 3/4 | 1.050 | $\begin{array}{r} .065 \\ .6838 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .6838 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ .8572 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ .8572 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .133 \\ 1.131 \\ \hline \end{array}$ | $\begin{array}{r} .113 \\ 1.131 \end{array}$ |  | $\begin{array}{r} .154 \\ 1.474 \end{array}$ | $\begin{array}{r} .150 \\ 1.474 \end{array}$ |  |  |  | $\begin{array}{r} .218 \\ 1.937 \end{array}$ | $\begin{array}{r} 1.308 \\ 2.441 \end{array}$ |
| 1 | 1.315 | $\begin{array}{r} .065 \\ .8678 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ .8678 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 1.404 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 1.404 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .133 \\ 1.679 \\ \hline \end{array}$ | $\begin{array}{r} .133 \\ 1.679 \\ \hline \end{array}$ |  | $\begin{array}{r} .179 \\ 2.172 \end{array}$ | $\begin{array}{r} .179 \\ 2.172 \end{array}$ |  |  |  | $\begin{array}{r} .250 \\ 2.844 \end{array}$ | $\begin{array}{r} .358 \\ 3.659 \end{array}$ |
| $11 / 4$ | 1.660 | $\begin{array}{r} .065 \\ 1.107 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ 1.107 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 1.806 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 1.806 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .140 \\ 2.273 \\ \hline \end{array}$ | $\begin{array}{r} .140 \\ 2.273 \end{array}$ |  | $\begin{array}{r} .191 \\ 2.997 \\ \hline \end{array}$ | $\begin{array}{r} .191 \\ 2.997 \\ \hline \end{array}$ |  |  |  | $\begin{array}{r} .044 \\ .250 \\ 3.765 \end{array}$ | $\begin{array}{r} 5.009 \\ .382 \\ 5.214 \end{array}$ |
| 11/2 | 1.900 | $\begin{array}{r} .065 \\ 1.274 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ 1.274 \end{array}$ | $\begin{array}{r} .109 \\ 2.085 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 2.085 \end{array}$ |  |  | $\begin{array}{r} .145 \\ 2.718 \\ \hline \end{array}$ | $\begin{array}{r} .145 \\ 2.718 \end{array}$ |  | $\begin{array}{r} . .951 \\ .200 \\ 3.631 \end{array}$ | $\begin{array}{r} 2.951 \\ .200 \\ 3.631 \end{array}$ |  |  |  | $\begin{array}{r} 5.100 \\ .281 \\ 4.859 \end{array}$ | $\begin{array}{r} 0.414 \\ .400 \\ 6.408 \end{array}$ |
| 2 | 2.375 | $\begin{array}{r} .065 \\ 1.604 \\ \hline \end{array}$ | $\begin{array}{r} .065 \\ 1.064 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 2.638 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 2.638 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .154 \\ 3.653 \end{array}$ | $\begin{array}{r} .154 \\ 3.653 \\ \hline \end{array}$ |  | $\begin{array}{r} .218 \\ 5.022 \end{array}$ | $\begin{array}{r} .218 \\ 5.022 \end{array}$ |  |  |  | $\begin{array}{r} .059 \\ 7.3444 \end{array}$ | $\begin{array}{r} 0.400 \\ .436 \\ 9.029 \end{array}$ |
| $2^{1 / 2}$ | 2.875 | $\begin{array}{r} .083 \\ 2.475 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ 2.475 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 3.531 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 3.531 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .203 \\ 5.793 \\ \hline \end{array}$ | $\begin{array}{r} .203 \\ 5.793 \\ \hline \end{array}$ |  | $\begin{array}{r} .276 \\ 7.661 \\ \hline \end{array}$ | $\begin{array}{r} .276 \\ 7.661 \\ \hline \end{array}$ |  |  |  | $\begin{array}{r} .374 \\ .375 \\ 10.01 \\ \hline \end{array}$ | $\begin{array}{r} .525 \\ .53 .70 \\ 1.0 \end{array}$ |
| 3 | 3.500 | $\begin{array}{r} .083 \\ 3.029 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ 3.029 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 4.332 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 4.332 \end{array}$ |  |  | $\begin{array}{r} .216 \\ 7.576 \end{array}$ | $\begin{array}{r} .216 \\ 7.576 \end{array}$ |  | $\begin{array}{r} .300 \\ 10.25 \\ \hline \end{array}$ | $\begin{array}{r} .300 \\ 10.25 \\ \hline \end{array}$ |  |  |  | $\begin{array}{r} .437 \\ 14.32 \\ \hline \end{array}$ | $\begin{array}{r} .600 \\ 18.58 \\ \hline \end{array}$ |
| $3^{1 / 2}$ | 4.000 | $\begin{array}{r} .083 \\ 3.472 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ 3.472 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 4.973 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 4.973 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .226 \\ 9.109 \\ \hline \end{array}$ | $\begin{array}{r} .226 \\ 9.109 \\ \hline \end{array}$ |  | $\begin{array}{r} .318 \\ 12.51 \\ \hline \end{array}$ | $\begin{array}{r} .318 \\ 12.51 \end{array}$ |  |  |  |  | $\begin{array}{r} .636 \\ 22.85 \end{array}$ |
| 4 | 4.500 | $\begin{array}{r} .083 \\ 3.915 \\ \hline \end{array}$ | $\begin{array}{r} .083 \\ 3.915 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 5.613 \\ \hline \end{array}$ | $\begin{array}{r} .120 \\ 5.613 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .237 \\ 10.79 \\ \hline \end{array}$ | $\begin{array}{r} .237 \\ 10.79 \\ \hline \end{array}$ | $\begin{array}{r} .281 \\ 12.66 \end{array}$ | $\begin{array}{r} .337 \\ 14.98 \end{array}$ | $\begin{array}{r} .337 \\ 14.98 \\ \hline \end{array}$ |  | $\begin{array}{r} .437 \\ 19.01 \\ \hline \end{array}$ |  | $\begin{array}{r} .531 \\ 22.51 \\ \hline \end{array}$ | $\begin{array}{r} .674 \\ 27.54 \end{array}$ |
| 41/2 | 5.000 |  |  |  |  |  |  | $\begin{array}{r} .247 \\ 12.53 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .355 \\ 17.61 \\ \hline \end{array}$ |  |  |  |  |  | $\begin{array}{r} .710 \\ 32.53 \\ \hline \end{array}$ |
| 5 | 5.563 | $\begin{array}{r} .109 \\ 6.349 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 6.349 \\ \hline \end{array}$ | $\begin{array}{r} .134 \\ 7.770 \\ \hline \end{array}$ | $\begin{array}{r} .134 \\ 7.770 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .258 \\ 14.62 \end{array}$ | $\begin{array}{r} .258 \\ 14.62 \\ \hline \end{array}$ |  | $\begin{array}{r} .375 \\ 20.78 \end{array}$ | $\begin{array}{r} .375 \\ 20.78 \end{array}$ |  | $\begin{array}{r} .500 \\ 27.04 \end{array}$ |  | $\begin{array}{r} .625 \\ 32.96 \end{array}$ | $\begin{array}{r} 5.50 \\ .750 \\ 38.55 \end{array}$ |
| 6 | 6.625 | $\begin{array}{r} .109 \\ 7.585 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 7.585 \\ \hline \end{array}$ | $\begin{array}{r} .134 \\ 9.290 \\ \hline \end{array}$ | $\begin{array}{r} .134 \\ 9.289 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .280 \\ 18.97 \\ \hline \end{array}$ | $\begin{array}{r} .280 \\ 18.97 \\ \hline \end{array}$ |  | $\begin{array}{r} .432 \\ 28.57 \\ \hline \end{array}$ | $\begin{array}{r} .432 \\ 28.57 \\ \hline \end{array}$ |  | $\begin{array}{r} .562 \\ 36.39 \\ \hline \end{array}$ |  | $\begin{array}{r} .718 \\ 45.30 \\ \hline \end{array}$ | $\begin{array}{r} 8.00 \\ .864 \\ 53.16 \end{array}$ |
| 7 | 7.625 |  |  |  |  |  |  | $\begin{array}{r} .301 \\ 23.57 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .500 \\ 38.05 \end{array}$ |  |  |  |  |  | $\begin{array}{r} .875 \\ 63.08 \end{array}$ |
| 8 | 8.625 | $\begin{array}{r} .109 \\ 9.914 \\ \hline \end{array}$ | $\begin{array}{r} .109 \\ 9.914 \\ \hline \end{array}$ | $\begin{array}{r} .148 \\ 13.40 \\ \hline \end{array}$ | $\begin{array}{r} .148 \\ 13.40 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 22.36 \\ \hline \end{array}$ | $\begin{array}{r} .277 \\ 24.70 \\ \hline \end{array}$ | $\begin{array}{r} .322 \\ 28.55 \\ \hline \end{array}$ | $\begin{array}{r} .322 \\ 28.55 \end{array}$ | $\begin{array}{r} .406 \\ 35.64 \end{array}$ | $\begin{array}{r} .500 \\ 43.39 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 43.39 \\ \hline \end{array}$ | $\begin{array}{r} .593 \\ 50.87 \end{array}$ | $\begin{array}{r} .718 \\ 60.93 \end{array}$ | $\begin{array}{r} .812 \\ 67.76 \\ \hline \end{array}$ | $\begin{array}{r} .906 \\ 74.69 \\ \hline \end{array}$ | $\begin{array}{r} 8.00 \\ .885 \\ 72.42 \end{array}$ |
| 9 | 9.625 |  |  |  |  |  |  | $\begin{array}{r} .342 \\ 33.90 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .500 \\ 48.72 \end{array}$ |  |  |  |  |  |  |
| 10 | 10.750 | $\begin{array}{r} .134 \\ 15.19 \\ \hline \end{array}$ | $\begin{array}{r} 134 \\ 15.19 \\ \hline \end{array}$ | $\begin{array}{r} .165 \\ 18.65 \\ \hline \end{array}$ | $\begin{array}{r} .165 \\ 18.70 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 28.04 \\ \hline \end{array}$ | $\begin{array}{r} .307 \\ 34.24 \\ \hline \end{array}$ | $\begin{array}{r} .365 \\ 40.48 \\ \hline \end{array}$ | $\begin{array}{r} .365 \\ 40.48 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 54.74 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 54.74 \end{array}$ | $\begin{array}{r} .593 \\ 64.33 \\ \hline \end{array}$ | $\begin{array}{r} .718 \\ 76.93 \end{array}$ | $\begin{array}{r} .843 \\ 89.20 \\ \hline \end{array}$ | $\begin{aligned} & 1.000 \\ & 104.1 \end{aligned}$ | $\begin{aligned} & 1.125 \\ & 115.7 \end{aligned}$ |  |
| 11 | 11.750 |  |  |  |  |  |  | $\begin{array}{r} .375 \\ 45.55 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .500 \\ 60.07 \\ \hline \end{array}$ |  |  |  |  |  |  |
| 12 | 12.750 | $\begin{array}{r} .156 \\ 21.07 \\ \hline \end{array}$ | $\begin{array}{r} .165 \\ 22.18 \\ \hline \end{array}$ | $\begin{array}{r} .180 \\ 24.16 \\ \hline \end{array}$ | $\begin{array}{r} .180 \\ 24.20 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 33.38 \\ \hline \end{array}$ | $\begin{array}{r} .330 \\ 43.77 \end{array}$ | $\begin{array}{r} .375 \\ 49.56 \end{array}$ | $\begin{array}{r} .406 \\ 53.53 \\ \hline \end{array}$ | $\begin{array}{r} .562 \\ 73.16 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 65.42 \end{array}$ | $\begin{array}{r} .687 \\ 88.51 \end{array}$ | $\begin{array}{r} .843 \\ 107.2 \end{array}$ | $\begin{aligned} & 1.000 \\ & 125.5 \end{aligned}$ | $\begin{aligned} & 1.125 \\ & 139.7 \end{aligned}$ | $\begin{aligned} & 1.312 \\ & 160.3 \end{aligned}$ |  |
| 14 | 14.000 | $\begin{array}{r} .156 \\ 23.07 \\ \hline \end{array}$ |  | $\begin{array}{r} .188 \\ 27.73 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 36.71 \\ \hline \end{array}$ | $\begin{array}{r} .312 \\ 45.68 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 54.57 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 54.57 \end{array}$ | $\begin{array}{r} .437 \\ 63.37 \\ \hline \end{array}$ | $\begin{array}{r} .593 \\ 84.91 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 72.09 \\ \hline \end{array}$ | $\begin{array}{r} .750 \\ 106.1 \end{array}$ | $\begin{array}{r} .937 \\ 130.7 \end{array}$ | $\begin{aligned} & 1.093 \\ & 150.7 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.250 \\ & 170 ? \end{aligned}$ | $\begin{aligned} & 1.406 \\ & 189.1 \end{aligned}$ |  |
| 16 | 16.000 | $\begin{array}{r} .165 \\ 27.90 \\ \hline \end{array}$ |  | $\begin{array}{r} .188 \\ 31.75 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 42.05 \\ \hline \end{array}$ | $\begin{array}{r} .312 \\ 52.36 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 62.58 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 62.58 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 82.77 \\ \hline \end{array}$ | $\begin{array}{r} .656 \\ 107.5 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 82.77 \\ \hline \end{array}$ | $\begin{array}{r} .843 \\ 136.5 \\ \hline \end{array}$ | $\begin{aligned} & 1.031 \\ & 164.8 \end{aligned}$ | $\begin{aligned} & 1.218 \\ & 192.3 \end{aligned}$ | $\begin{aligned} & 1.437 \\ & 223.5 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.593 \\ & 245.1 \end{aligned}$ |  |
| 18 | 18.000 | $\begin{array}{r} .165 \\ 31.43 \end{array}$ |  | $\begin{array}{r} .188 \\ 35.76 \end{array}$ | $\begin{array}{r} .250 \\ 47.39 \\ \hline \end{array}$ | $\begin{array}{r} .312 \\ 59.03 \\ \hline \end{array}$ | $\begin{array}{r} .437 \\ 82.06 \end{array}$ | $\begin{array}{r} .375 \\ 70.59 \end{array}$ | $\begin{array}{r} .562 \\ 104.8 \\ \hline \end{array}$ | $\begin{array}{r} .750 \\ 138.2 \end{array}$ | $\begin{array}{r} .500 \\ 93.45 \end{array}$ | $\begin{array}{r} .937 \\ 170.8 \end{array}$ | $\begin{aligned} & 1.156 \\ & 208.0 \end{aligned}$ | $\begin{aligned} & 1.375 \\ & 244.1 \end{aligned}$ | $\begin{aligned} & 1.562 \\ & 274.2 \end{aligned}$ | $1.781$ |  |
| 20 | 20.000 | $\begin{array}{r} .188 \\ 39.78 \\ \hline \end{array}$ |  | $\begin{array}{r} .218 \\ 46.05 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 52.73 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 78.60 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 104.1 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 78.60 \end{array}$ | $\begin{array}{r} .593 \\ 122.9 \\ \hline \end{array}$ | $\begin{array}{r} .812 \\ 166.4 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 104.1 \\ \hline \end{array}$ | $\begin{aligned} & 1.031 \\ & 208.9 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.280 \\ & 256.1 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.500 \\ & 296.4 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.750 \\ & 341.1 \end{aligned}$ | $\begin{aligned} & 1.968 \\ & 379.0 \\ & \hline \end{aligned}$ |  |
| 22 | 22.000 | $\begin{array}{r} .188 \\ 43.8 \\ \hline \end{array}$ |  | $\begin{array}{r} .218 \\ 50.71 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 58.07 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 86.61 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 114.81 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 86.61 \\ \hline \end{array}$ |  | $\begin{array}{r} .875 \\ 197.41 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 114.81 \end{array}$ | $\begin{array}{r} 1.125 \\ 250.81 \end{array}$ | $\begin{array}{r} 1.375 \\ 302.88 \end{array}$ | $\begin{array}{r} 1.625 \\ 353.61 \\ \hline \end{array}$ | $\begin{aligned} & 1.875 \\ & 403.0 \end{aligned}$ | $\begin{array}{r} 2.125 \\ 451.06 \\ \hline \end{array}$ |  |
| 24 | 24.000 | $\begin{array}{r} .218 \\ 55.37 \\ \hline \end{array}$ |  | $\begin{array}{r} .250 \\ 63.41 \\ \hline \end{array}$ | $\begin{array}{r} .250 \\ 63.41 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 94.62 \\ \hline \end{array}$ | $\begin{array}{r} .562 \\ 140.8 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 94.62 \\ \hline \end{array}$ | $\begin{array}{r} .687 \\ 171.2 \\ \hline \end{array}$ | $\begin{array}{r} .968 \\ 238.1 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 125.5 \\ \hline \end{array}$ | $\begin{aligned} & 1.218 \\ & 296.4 \end{aligned}$ | $\begin{aligned} & 1.531 \\ & 367.4 \end{aligned}$ | $\begin{aligned} & 1.812 \\ & 429.4 \end{aligned}$ | $\begin{aligned} & \hline 2.062 \\ & 483.1 \end{aligned}$ | $\begin{array}{r} 2.344 \\ 542.13 \end{array}$ |  |
| 26 | 26.000 |  |  |  | $\begin{array}{r} .312 \\ 85.60 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 136.17 \\ \hline \end{array}$ |  | $\begin{array}{r} .375 \\ 102.63 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .500 \\ 136.17 \end{array}$ |  |  |  |  |  |  |
| 28 | 28.000 |  |  |  | $\begin{array}{r} .312 \\ 92.26 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 146.85 \\ \hline \end{array}$ | $\begin{array}{r} .625 \\ 182.73 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 110.64 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |  |
| 30 | 30.000 | $\begin{array}{r} .250 \\ 79.43 \\ \hline \end{array}$ |  | $\begin{array}{r} .312 \\ 98.93 \\ \hline \end{array}$ | $\begin{array}{r} .312 \\ 98.93 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 157.53 \\ \hline \end{array}$ | $\begin{array}{r} .625 \\ 196.08 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 118.65 \\ \hline \end{array}$ |  |  | $\begin{array}{r} .500 \\ 157.53 \\ \hline \end{array}$ |  |  |  |  |  |  |
| 32 | 32.000 |  |  |  | $\begin{array}{r} .312 \\ 105.59 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 168.21 \end{array}$ | $\begin{array}{r} .625 \\ 209.43 \end{array}$ | $\begin{array}{r} .375 \\ 126.66 \\ \hline \end{array}$ | $\begin{array}{r} .688 \\ 230.08 \\ \hline \end{array}$ |  | $\begin{array}{r} .500 \\ 168.21 \end{array}$ |  |  |  |  |  |  |
| 34 | 34.000 |  |  |  | $\begin{array}{r} .312 \\ 112.25 \\ \hline \end{array}$ | $\begin{array}{r} .500 \\ 178.89 \end{array}$ | $\begin{array}{r} .625 \\ 222.78 \\ \hline \end{array}$ | $\begin{array}{r} .375 \\ 134.67 \end{array}$ | $\begin{array}{r} .688 \\ 244.77 \\ \hline \end{array}$ |  |  |  |  |  |  |  |  |
| 36 | 36.000 |  |  |  | $\begin{array}{r} .312 \\ 118.92 \\ \hline \end{array}$ |  | $\begin{array}{r} .625 \\ 236.13 \end{array}$ | $\begin{array}{r} .375 \\ 142.68 \end{array}$ | $\begin{array}{r} 750 \\ 282.35 \end{array}$ |  | $\begin{array}{r} .500 \\ 189.57 \end{array}$ |  | , |  |  |  |  |

