

PETROLIV PART



Petroliv Part Profile



PETROLIV is a leader supplier and stockiest which supplies materials for the oil, gas, petrochemical, power generation and Mining industries.

We are able to provide a whole range of Piping components in all dimensions, tolerances and standards.

Our 10 Years experience and up date knowledge about materials and the market enable us to supply complete packages either from stock or on short delivery times, that our clients will not ask to other supplier.

In our warehouses we keep an important stock, to give a fast service.

All materials meet API, ANSI, ASME, BS, DIN and JIS standards and certified by Reliable manufacturers.

Our Mission



- Motivated management team
- Qualified professional guarantee
- High-technology products
- Punctual deliveries
- Prompt after-sales assistance.

We aim to supply the majority of customer requirements ex-stock.

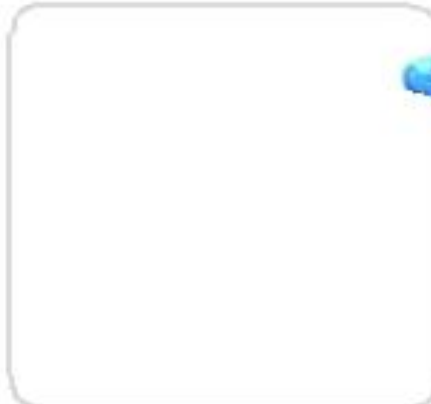


Resume

In last 10 years we have successfully supplied materials from carbon steel, stainless steel and alloy steel about 30 projects in field of :

- Oil and Gas Extraction, storage & production
- Petrochemical industries
- Chemical processing and plants
- Power plants
- Water Refining and piping
- Food and pharmaceuticals industries
- Air Condition and Refrigeration
- Marine industries
- Pulp and paper industries
- Steel mills, Aluminum smelters & Copper smelters
- Desalting units
- Heat Exchangers and Steam services

Strategic business relationship



PETROLIV has entered into strategic business relationship with leading international manufacturing companies to market and service their products in the IRAN.

The operation at PETROLIV is supported by qualified engineers working with a high degree of flexibility who can provide technical assistance in product selection, application and trouble shooting.

PETROLIV holds exclusive agency and authorized distributorship with Worldwide First Class manufacturers. We also possess the expertise, Competence, infrastructure and commitment to source products from different Parts of the world for various industries.

Full support and back-up



- Fast delivery-on time, every time .
- Nominated customer contacts for streamlined account management.
- Full technical support.
- Instant access to accurate product data and technical drawings.
- Effective customer care and after-sales service.

Know-how & Finest quality



In long term of extensive experience PETROLIV has matured to a most competent partner when it comes to premium Fittings, Flanges, Valves and Pipes.

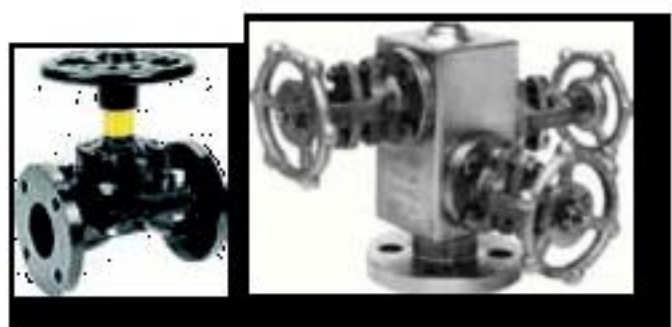
PETROLIV is known for certified quality-that is why our entire product line complies with the most stringent quality and technical standard.

Our concept of quality, know-how and effective service is our first and foremost objective in each and every respect.



3 Way Ball Valves
Forged or Cast Body
Trunnion and Floating
L or T Shape

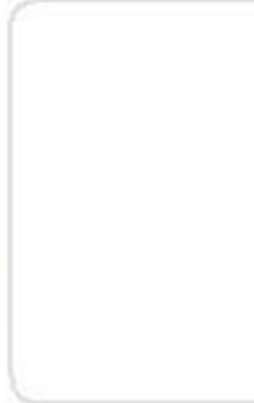
U- PVC Butterfly Valves
Sizes 2"up to 12"



Diaphragm Valves
Flanged & Screwed
Rubber lined

Combination Valves
Carbon & Stainless Steel

Our Competence is your success



No matter whether you require detailed information or wish to clarify a particular question relating to your individual purchase order- we are here to serve your specific needs.

With extensive know-how and responsive service your team at PETROLIV is always able to provide helpful and friendly support just what you would expect from a capable partner.



Floating Ball Valves
Cast & Forged
All kind of Materials & sizes

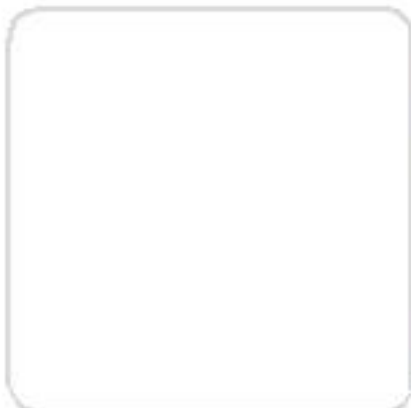
Plug Valves
Lubricated & Pressure Balance
Jacketed & Full Bore



Forged Steel Valves
Gate / Globe / check
CL 800 up to 4500



Lugged Butterfly Valves
Soft & Metal Seat
DIN & ANSI standard



Knife Gate Valves
Metal & Soft Seat
Manual & Actuator



Safety Relief Valves
Flanged & Screwed
DIN & API Design



High Performance Butterfly Valves
Manual & Actuator
Class 150 / 300 / 600



API 6A Valves
Class 3000, 5000, 10000
Sizes 1 13/16" to 11"

Each enquiry and order is of the Same importance to us



We highly appreciate economic and state of the art trading and good consulting by our well trained staff. The elaborated logistics and our wide stock are the base of our reliable quick and on time delivery to you. Transport is effected in cooperation with reliable forwarders or-in case of urgent deliveries-by means of our own vehicles.

While our most important products are always available in our stock, we can provide customized constructions on short notice according to your stipulations.



Actuators
Electrical / Pneumatic /
Hydraulic



Cast Steel Valves
Gate / Globe / check
CL 150 up to 1500



Ball Valves
Carbon / Stainless / Alloy Steel
1piece Body



Fire Fighting Valves
Screwed & Flanged end

Quality Assurance



PETROLIV views quality as fundamental to the continued success of our business. By representing world class manufacturers who employ the latest manufacturing techniques our customers can be assured of receiving the highest quality of product available.



Butt weld Fittings
SCH 10 up to XXS
All kind of Materials & Sizes



Steam Traps
All kind of Types & Materials
Screwed & Flanged ends



Forged Steel Fittings
Sizes 1/8" up to 4"
Carbon / Alloy / Stainless Steel

Comprehensive package



When new project are constructed or when plants must be expanded or have maintenance, engineering, contracting companies or end-users are in need of different type of materials such as Pipes, Fittings, Flanges, Valves, Strainers, Gasket, Bolts, Instrumentation and many other components in various material grades in large quantities or small quantities which we can supply.



Bolted Body Ball Valves
 Sizes 1/8" up to 4"
 1000 & 2000 PSI



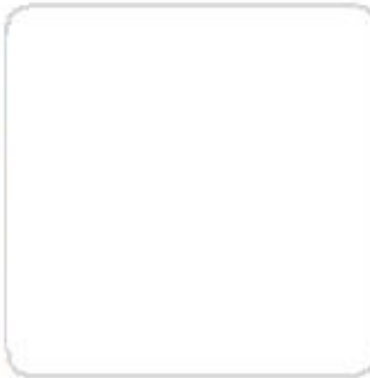
Ball Valves
 Floating & Trunnion
 Cast or Forged Body



Butterfly Valves
 Wafer / Lugged / Double Flanged
 DIN & ANSI Standard



Special Ball Valves
 DIN & API Design
 Cast or Forged Body



Seamless & Welded Pipes
All Kind of Materials & Sizes
SCH10 up to XXS

Y Type Strainer
ANSI & DIN Standard
Flanged & Screwed

Basket Strainer
DIN & ANSI Design
Flanged & B.W ended

Soft Cut Gasket
For RF & FF Flanges
Sizes 1/2" up to 100"

Final Inspection



- Non-destructive and/or Destructive testing will be Conducted
- PMI test (100%)
- Tolerance test (100%)
- Marking checking
- X-ray examination

- Hardness test
 - IGC Corrosion testing
 - Ultrasonic test
 - Spectrum Analysis
 - Quality of surface and Visual
- And also Hydrostatic Test for Valves is available at our workshop



Tube Fittings
Stainless & Alloy Steel



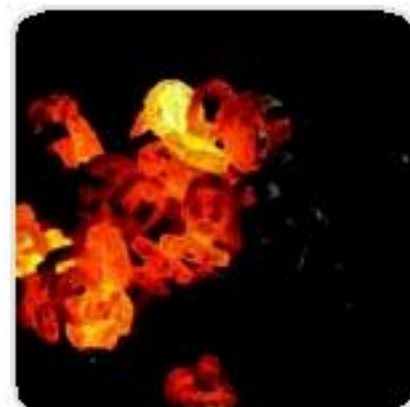
Spiral Wound Gasket
DIN & ANSI Design
CS & SS Ring



Flanges
ANSI & DIN Standard
All kind of Materials & Sizes



Stud Bolts & Nuts
All kind of Materials & Sizes
Coated & Galvanized



Global quality, Total reliability, Two recurrent claims in present-day corporate strategies. But the transition from words to actions demands tangible measures.

Specialization and organization underlie what amounts to a "quality culture" at B.F.E., not in the abstract but as a set of specific rules governing every stage of production.

An operating model that is good to have in a partner who bears the responsibility of supplying valves that are essential to plant safety and regulation.



Products Range



FORGED VALVES PRODUCTION
55
Years
1955 - 2008



- Forged Gate, Globe, Check and Ball Valves Class 150 to 4500
- Forged Pressure Seal Gate, Globe and Check Valves Class 900 to 4500
- Cast Steel Gate, Globe and Check Valves Class 150 to 1500
- Combination Double Block and Bleed Valves class 150 to 4500
- API 6D Valves Class 150 to 2500
- API 6A Valves Class 3000, 5000, 10000

Special Products



- Cryogenic Gate, Globe and Check Valves
- Check Valves for Special Application
- Valves for Nuclear Application
- Bellow Sealed Gate and Globe Valves
- Gate, Globe and Check Valves to DIN Standard
- Y-Pattern Globe and Check Valves
- Parallel Slide Gate Valves





PETROLIV PART

Oil & Gas Equipments

INCH UNITS

ANSI Pipe Schedule
Inch Units

OD = Inches

Wall thickness = inches

Weight = lbs/ft

Vol/ft = ft³

| | | | | | | | | | | | | | | | Figures based on austenitic steel | | | | Shipping |
|--------------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------------------------|-----------------|----------------|----------------|---------------|
| Nominal pipe size inches | OD inches | 10 | 20 | 30 | STD | 40 | 60 | X5 | 80 | 100 | 120 | 140 | 160 | XX5 | 5S | 10S | 40S | 80S | Vol/ft ft³ |
| 1 / 8 | 0.405 | | | | 0.068 0.24 | 0.068 0.24 | | 0.095 0.31 | 0.095 0.31 | | | | | | | 0.049 0.19 | 0.068 0.24 | 0.095 0.32 | 0.004 |
| 1 / 4 | 0.540 | | | | 0.088 0.42 | 0.088 0.42 | | 0.119 0.54 | 0.119 0.54 | | | | | | | 0.065 0.34 | 0.088 0.43 | 0.119 0.55 | 0.007 |
| 3 / 8 | 0.675 | | | | 0.091 0.43 | 0.091 0.43 | | 0.126 0.74 | 0.126 0.74 | | | | | | | 0.065 0.43 | 0.091 0.58 | 0.126 0.75 | 0.0011 |
| 1 / 2 | 0.840 | | | | 0.109 0.85 | 0.109 0.85 | | 0.147 1.09 | 0.147 1.09 | | | | 0.188 1.31 | 0.294 1.72 | 0.065 0.55 | 0.083 0.68 | 0.109 0.87 | 0.147 1.11 | 0.014 |
| 3 / 4 | 1.050 | | | | 0.113 1.13 | 0.113 1.13 | | 0.154 1.48 | 0.154 1.48 | | | | 0.219 1.95 | 0.308 2.44 | 0.065 0.70 | 0.083 0.88 | 0.113 1.15 | 0.154 1.50 | 0.025 |
| 1 | 1.315 | | | | 0.133 1.68 | 0.133 1.68 | | 0.179 2.17 | 0.179 2.17 | | | | 0.250 2.85 | 0.358 3.66 | 0.065 0.89 | 0.109 1.43 | 0.133 1.71 | 0.179 2.21 | 0.039 |
| 1 1/4 | 1.660 | | | | 0.140 2.27 | 0.140 2.27 | | 0.191 3.00 | 0.191 3.00 | | | | 0.250 3.77 | 0.382 5.22 | 0.065 1.13 | 0.109 1.85 | 0.140 2.32 | 0.191 3.06 | 0.064 |
| 1 1/2 | 1.900 | | | | 0.145 2.72 | 0.145 2.72 | | 0.200 3.63 | 0.200 3.63 | | | | 0.281 4.86 | 0.400 6.41 | 0.065 1.31 | 0.109 2.13 | 0.145 2.77 | 0.200 3.70 | 0.081 |
| 2 | 2.375 | | | | 0.154 3.66 | 0.154 3.66 | | 0.218 5.03 | 0.218 5.03 | | | | 0.344 7.47 | 0.436 9.04 | 0.065 1.64 | 0.109 2.69 | 0.154 3.72 | 0.218 5.12 | 0.127 |
| 2 1/2 | 2.875 | | | | 0.203 5.80 | 0.203 5.80 | | 0.276 7.67 | 0.276 7.67 | | | | 0.375 10.02 | 0.552 13.71 | 0.083 2.53 | 0.120 3.60 | 0.203 5.91 | 0.276 7.81 | 0.187 |
| 3 | 3.500 | | | | 0.216 7.58 | 0.216 7.58 | | 0.300 10.26 | 0.300 10.26 | | | | 0.438 14.34 | 0.600 18.60 | 0.083 3.09 | 0.120 4.42 | 0.126 7.73 | 0.300 10.46 | 0.279 |
| 3 1/2 | 4.000 | | | | 0.226 9.12 | 0.226 9.12 | | 0.318 12.52 | 0.318 12.52 | | | | | | 0.083 3.55 | 0.120 5.07 | 0.226 9.29 | 0.318 12.76 | 0.364 |
| 4 | 4.500 | | | | 0.237 10.80 | 0.237 10.80 | | 0.337 15.00 | 0.337 15.00 | | 0.438 19.02 | | 0.531 22.53 | 0.674 27.57 | 0.083 4.00 | 0.120 5.72 | 0.237 11.01 | 0.337 15.28 | 0.459 |
| 5 | 5.563 | | | | 0.258 14.63 | 0.258 14.63 | | 0.375 20.80 | 0.375 20.80 | | 0.500 27.06 | | 0.625 32.99 | 0.750 38.59 | 0.109 6.49 | 0.134 7.93 | 0.258 14.91 | 0.375 21.20 | 0.703 |
| 6 | 6.625 | | | | 0.280 18.99 | 0.280 18.99 | | 0.432 28.60 | 0.432 28.60 | | 0.562 36.43 | | 0.719 45.39 | 0.864 53.21 | 0.109 7.75 | 0.134 9.48 | 0.200 19.35 | 0.432 29.14 | 0.989 |
| 8 | 8.625 | 0.250 22.38 | 0.277 24.72 | 0.322 28.58 | 0.322 28.58 | 0.406 35.67 | 0.500 43.43 | 0.500 43.43 | 0.594 51.00 | 0.719 60.77 | 0.812 67.82 | 0.906 74.76 | 0.875 72.49 | 0.109 10.13 | 0.148 13.67 | 0.322 29.12 | 0.500 44.26 | 1.695 | |
| 10 | 10.750 | 0.250 28.06 | 0.307 34.27 | 0.365 40.52 | 0.365 40.52 | 0.500 54.79 | 0.500 54.79 | 0.594 64.49 | 0.719 77.10 | 0.884 89.38 | 1.000 104.23 | 1.125 115.75 | 1.000 104.13 | 0.134 15.49 | 0.165 19.02 | 0.365 41.29 | 0.500 55.83 | 2.613 | |
| 12 | 12.750 | 0.250 33.41 | 0.330 43.81 | 0.375 49.61 | 0.406 53.57 | 0.562 73.22 | 0.500 65.48 | 0.688 88.71 | 0.844 107.42 | 1.000 125.61 | 1.125 139.81 | 1.312 160.42 | 1.000 125.61 | 0.156 21.40 | 0.180 24.65 | 0.375 50.55 | 0.500 66.73 | 3.673 | |
| 14 | 14.000 | 0.250 36.75 | 0.312 45.65 | 0.375 54.62 | 0.375 54.62 | 0.438 63.50 | 0.594 85.13 | 0.500 72.16 | 0.750 106.23 | 0.938 130.98 | 1.094 150.93 | 1.250 170.37 | 1.406 189.29 | 0.156 23.53 | 0.188 28.28 | | | 4.450 | |
| 16 | 16.000 | 0.250 42.09 | 0.312 52.32 | 0.375 62.64 | 0.375 62.64 | 0.500 82.35 | 0.656 107.60 | 0.500 82.85 | 0.844 136.74 | 1.031 164.98 | 1.129 192.61 | 1.438 233.85 | 1.594 245.48 | 0.165 28.46 | 0.188 32.39 | | | 5.827 | |
| 18 | 18.000 | 0.250 47.44 | 0.312 58.99 | 0.438 82.23 | 0.375 70.65 | 0.562 104.76 | 0.750 138.30 | 0.500 93.54 | 0.938 171.08 | 1.156 208.15 | 1.375 244.37 | 1.562 274.48 | 1.781 308.79 | 0.165 32.06 | 0.188 36.48 | | | 7.345 | |
| 20 | 20.000 | 0.250 52.78 | 0.375 78.67 | 0.500 104.23 | 0.375 78.67 | 0.594 123.23 | 0.812 166.56 | 0.500 104.23 | 1.031 209.06 | 1.281 256.34 | 1.500 296.65 | 1.750 341.41 | 1.969 379.53 | 0.188 40.58 | 0.218 46.98 | | | 9.111 | |
| 22 | 22.000 | 0.250 58.13 | 0.375 86.69 | 0.500 114.92 | 0.375 86.69 | 0.500 123.23 | 0.875 197.60 | 0.500 114.92 | 1.125 251.05 | 1.375 303.16 | 1.625 353.94 | 1.875 403.38 | 2.125 451.49 | 0.188 44.68 | 0.218 51.72 | | | 11.018 | |
| 24 | 24.000 | 0.250 63.47 | 0.375 94.71 | 0.562 140.81 | 0.375 94.71 | 0.688 171.45 | 0.969 238.57 | 0.500 125.61 | 1.219 296.86 | 1.531 367.39 | 1.812 429.79 | 2.062 483.57 | 2.344 542.64 | 0.218 56.48 | 0.250 64.68 | | | 13.137 | |
| 26 | 26.000 | 0.312 85.68 | 0.500 136.30 | | 0.375 102.72 | | | 0.500 136.30 | | | | | | | | | | | 15.361 |
| 28 | 28.000 | 0.312 92.35 | 0.500 146.99 | 0.625 182.90 | 0.375 110.74 | | | 0.500 146.99 | | | | | | | | | | | 17.833 |
| 30 | 30.000 | 0.312 99.02 | 0.500 157.68 | 0.625 196.26 | 0.375 118.76 | | | 0.500 157.68 | | | | | | | 0.250 81.02 | 0.312 100.91 | | | 20.482 |
| 32 | 32.000 | 0.312 105.69 | 0.500 168.37 | 0.625 209.62 | 0.375 126.78 | 0.688 230.29 | | 0.500 168.37 | | | | | | | | | | | 23.307 |
| 34 | 34.000 | 0.312 112.36 | 0.500 179.06 | 0.625 222.99 | 0.375 134.79 | 0.688 245.00 | | 0.500 179.06 | | | | | | | | | | | 26.344 |
| 36 | 36.000 | 0.312 119.03 | 0.500 189.57 | 0.625 236.35 | 0.375 142.81 | 0.750 282.62 | | 0.500 189.57 | | | | | | | | | | | 29.487 |
| 38 | 38.000 | | | | 0.375 150.83 | | | 0.500 200.44 | | | | | | | | | | | 32.877 |
| 40 | 40.000 | | | | 0.375 158.85 | | | 0.500 211.13 | | | | | | | | | | | 36.444 |
| 42 | 42.000 | | | | 0.375 166.86 | | | 0.500 221.82 | | | | | | | | | | | 40.187 |
| 44 | 44.000 | | | | 0.375 174.88 | | | 0.500 232.51 | | | | | | | | | | | 44.107 |
| 46 | 46.000 | | | | 0.375 182.90 | | | 0.500 242.20 | | | | | | | | | | | 48.168 |
| 48 | 48.000 | | | | 0.375 190.74 | | | 0.500 253.65 | | | | | | | | | | | 52.441 |



PETROLIV PART

Oil & Gas Equipments

SI-UNITS (METRIC)

ANSI Pipe Schedule
SI-Units (metric)

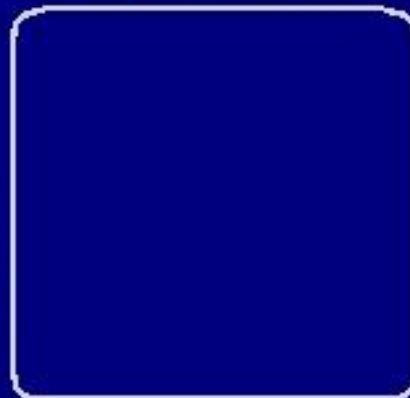
OD = mm

Wall thickness = mm

Weight = kg/m

Vol/m = m³

| Nominal pipe size inches | OD mm | | | | | | | | | | | | | | Figures based on austenitic steel | | | | Shipping |
|--------------------------------|----------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------------------|----------------|---------------|----------------|-------------|
| | | 10 | 20 | 30 | STD | 40 | 60 | XS | 80 | 100 | 120 | 140 | 160 | XXS | 5S | 10S | 40S | 80S | Vol/m m³ |
| 1/8 | 10.30 | | | | 1.73 0.37 | 1.73 0.37 | | 2.41 0.47 | 2.41 0.47 | | | | | | | 1.24 0.28 | 1.73 0.36 | 2.41 0.48 | 0.0001 |
| 1/4 | 13.70 | | | | 2.24 0.63 | 2.24 0.63 | | 3.02 0.80 | 3.02 0.80 | | | | | | | 1.65 0.51 | 2.24 0.64 | 3.02 0.82 | 0.0001 |
| 3/8 | 17.10 | | | | 2.31 0.84 | 2.31 0.84 | | 3.20 1.10 | 3.20 1.10 | | | | | | | 1.65 0.64 | 2.31 0.86 | 3.20 1.12 | 0.0003 |
| 1/2 | 21.30 | | | | 2.77 1.27 | 2.77 1.27 | | 3.73 1.62 | 3.73 1.62 | | | | 4.78 1.95 | 7.47 2.55 | 1.65 0.82 | 2.11 1.01 | 2.77 1.30 | 3.73 1.65 | 0.0004 |
| 3/4 | 26.70 | | | | 2.87 1.69 | 2.87 1.69 | | 3.91 2.20 | 3.91 2.20 | | | | 5.56 2.90 | 7.82 3.64 | 1.65 1.04 | 2.11 1.31 | 2.87 1.71 | 3.91 2.24 | 0.0007 |
| 1 | 33.40 | | | | 3.38 2.50 | 3.38 2.50 | | 4.55 3.24 | 4.55 3.24 | | | | 6.35 4.24 | 9.09 5.45 | 1.65 1.33 | 2.77 2.13 | 3.38 2.55 | 4.55 3.29 | 0.0011 |
| 1 1/4 | 42.20 | | | | 3.56 3.39 | 3.56 3.39 | | 4.85 4.47 | 4.85 4.47 | | | | 6.35 5.61 | 9.70 7.77 | 1.65 1.68 | 2.77 2.76 | 3.56 3.46 | 4.85 4.56 | 0.0018 |
| 1 1/2 | 48.30 | | | | 3.68 4.05 | 3.68 4.05 | | 5.08 5.41 | 5.08 5.41 | | | | 7.14 7.25 | 10.15 9.55 | 1.65 1.95 | 2.77 3.17 | 3.68 4.13 | 5.08 5.51 | 0.0023 |
| 2 | 60.30 | | | | 3.91 5.44 | 3.91 5.44 | | 5.54 7.48 | 5.54 7.48 | | | | 8.74 11.11 | 11.07 13.44 | 1.65 2.44 | 2.77 4.01 | 3.91 5.54 | 5.54 7.63 | 0.0036 |
| 2 1/2 | 73.00 | | | | 5.16 8.63 | 5.16 8.63 | | 7.01 11.41 | 7.01 11.41 | | | | 9.53 14.92 | 14.02 20.39 | 2.11 3.77 | 3.05 5.36 | 5.16 8.81 | 7.01 11.64 | 0.0053 |
| 3 | 88.90 | | | | 5.49 11.29 | 5.49 11.29 | | 7.62 15.27 | 7.62 15.27 | | | | 11.13 21.35 | 15.24 27.68 | 2.11 4.60 | 3.05 6.59 | 5.49 11.52 | 7.62 15.59 | 0.0079 |
| 3 1/2 | 101.60 | | | | 5.74 13.57 | 5.74 13.57 | | 8.08 18.64 | 8.08 18.63 | | | | | | 2.11 5.29 | 3.05 7.55 | 5.74 13.84 | 8.08 19.01 | 0.0103 |
| 4 | 114.30 | | | | 6.02 16.08 | 6.02 16.07 | | 8.56 22.32 | 8.56 22.32 | | 11.13 28.32 | | 13.49 33.54 | 17.12 41.03 | 2.11 5.96 | 3.05 8.52 | 6.02 16.40 | 8.56 22.77 | 0.0130 |
| 5 | 141.30 | | | | 6.55 21.77 | 6.55 21.77 | | 9.53 30.97 | 9.53 30.97 | | 12.70 40.28 | | 15.88 49.12 | 19.05 57.43 | 2.77 9.67 | 3.40 11.82 | 6.55 22.20 | 9.53 31.59 | 0.0199 |
| 6 | 168.30 | | | | 7.11 28.26 | 7.11 28.26 | | 10.97 42.56 | 10.97 42.56 | | 14.27 54.21 | | 18.26 67.57 | 21.95 79.22 | 2.77 11.55 | 3.40 14.13 | 7.11 28.83 | 10.97 43.42 | 0.028 |
| 8 | 219.10 | | 6.35 33.32 | 7.04 36.82 | 8.18 42.55 | 8.18 42.55 | 10.31 53.09 | 12.70 64.64 | 12.70 64.64 | 15.09 75.92 | 18.26 90.44 | 20.62 100.93 | 23.01 111.27 | 22.23 107.93 | 2.77 15.09 | 3.76 20.37 | 8.18 43.39 | 12.70 65.59 | 0.048 |
| 10 | 273.10 | | 6.35 41.76 | 7.80 51.01 | 9.27 60.31 | 9.27 60.29 | 12.70 81.55 | 12.70 81.53 | 15.09 95.98 | 18.26 114.71 | 21.44 133.01 | 25.40 155.10 | 28.58 172.27 | 25.40 155.15 | 3.40 23.08 | 4.19 28.34 | 9.27 61.52 | 12.70 83.19 | 0.074 |
| 12 | 323.90 | | 6.35 49.71 | 8.38 65.20 | 9.53 73.86 | 10.31 79.71 | 14.27 108.93 | 12.70 97.44 | 17.48 132.05 | 21.44 159.87 | 25.40 186.97 | 28.58 208.08 | 33.32 238.69 | 25.40 186.92 | 3.96 31.89 | 4.57 36.73 | 9.53 75.52 | 12.70 99.43 | 0.104 |
| 14 | 355.60 | 6.35 54.69 | 7.92 67.91 | 9.53 81.33 | 9.53 81.33 | 11.13 94.55 | 15.09 126.72 | 12.70 107.39 | 19.05 158.11 | 23.83 194.98 | 27.79 224.66 | 31.75 253.58 | 35.71 281.72 | | 3.96 35.06 | 4.78 42.14 | | | 0.126 |
| 16 | 406.40 | 6.35 62.65 | 7.92 77.83 | 9.53 93.27 | 9.53 93.27 | 12.70 123.31 | 16.66 160.13 | 12.70 123.30 | 21.44 203.54 | 26.19 245.57 | 30.96 286.66 | 36.53 333.19 | 40.49 365.35 | | 4.19 42.41 | 4.78 48.26 | | | 0.165 |
| 18 | 457.00 | 6.35 70.57 | 7.92 87.71 | 11.13 122.38 | 9.53 105.17 | 14.27 155.81 | 19.05 205.75 | 12.70 139.16 | 23.83 254.57 | 29.36 309.64 | 34.93 363.58 | 39.67 408.28 | 45.24 459.39 | | 4.19 47.77 | 4.78 60.46 | | | 0.208 |
| 20 | 508.00 | 6.35 78.56 | 9.53 117.15 | 12.70 155.12 | 9.53 117.15 | 15.09 183.43 | 20.62 247.84 | 12.70 155.13 | 26.19 311.19 | 32.54 381.55 | 38.10 441.52 | 44.45 508.15 | 50.01 564.85 | | 4.78 60.46 | 5.54 70.00 | | | 0.258 |
| 22 | 559.00 | 6.35 86.55 | 9.53 129.14 | 12.70 171.10 | 9.53 129.14 | | 22.23 294.27 | 12.70 171.10 | 28.58 373.85 | 34.93 451.45 | 41.28 527.05 | 47.63 600.67 | 53.98 672.30 | | 4.78 66.57 | 5.54 77.06 | | | 0.312 |
| 24 | 610.00 | 6.35 94.53 | 9.53 141.12 | 14.27 209.65 | 9.53 141.12 | 17.48 255.43 | 24.61 355.28 | 12.70 187.07 | 30.96 442.11 | 38.89 547.74 | 46.02 640.07 | 52.37 720.19 | 59.54 808.27 | | 5.54 84.16 | 6.35 96.37 | | | 0.372 |
| 26 | 660.00 | 7.92 127.36 | 12.70 202.74 | | 9.53 152.88 | | | 12.70 202.74 | | | | | | | | | | | 0.435 |
| 28 | 711.00 | 7.92 137.32 | 12.70 218.71 | 15.88 272.23 | 9.53 164.86 | | | 12.70 218.71 | | | | | | | | | | | 0.505 |
| 30 | 762.00 | 7.92 147.29 | 12.70 234.68 | 15.88 292.90 | 9.53 176.85 | | | 12.70 234.68 | | | | | | | 6.35 120.72 | 7.92 150.36 | | | 0.580 |
| 32 | 813.00 | 7.92 157.24 | 12.70 250.64 | 15.88 312.17 | 9.53 188.83 | 17.48 342.94 | | 12.70 250.64 | | | | | | | | | | | 0.660 |
| 34 | 864.00 | 7.92 167.21 | 12.70 266.63 | 15.88 332.14 | 9.53 200.32 | 17.48 364.92 | | 12.70 266.63 | | | | | | | | | | | 0.746 |
| 36 | 914.00 | 7.92 176.97 | 12.70 282.14 | 15.88 351.70 | 9.53 212.57 | 19.05 420.45 | | 12.70 282.27 | | | | | | | | | | | 0.835 |
| 38 | 965.00 | | | | 9.53 224.56 | | | 12.70 298.26 | | | | | | | | | | | 0.931 |
| 40 | 1016.00 | | | | 9.53 236.54 | | | 12.70 314.23 | | | | | | | | | | | 1.032 |
| 42 | 1067.00 | | | | 9.53 248.53 | | | 12.70 330.01 | | | | | | | | | | | 1.138 |
| 44 | 1118.00 | | | | 9.53 260.52 | | | 12.70 346.18 | | | | | | | | | | | 1.249 |
| 46 | 1168.00 | | | | 9.53 272.27 | | | 12.70 351.84 | | | | | | | | | | | 1.364 |
| 48 | 1219.00 | | | | 9.53 284.24 | | | 12.70 377.79 | | | | | | | | | | | 1.485 |



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