



Parker Pipes, Flanges & Fittings

Division of Parker Hose and Fittings Ltd



Parker Pipes, Flanges and Fittings
(Division of Parker Hose & Fittings Ltd)

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Company Profile

Parker Pipes, Flanges and Fittings (A Division of Parker Hose & Fittings Ltd) is an independent family owned business which has traded from our 40,000 sq ft warehouse since 1989, serving the North East of England. As part of a larger group of companies we have developed a reputation for supplying a quality product and service whilst maintaining a competitive pricing strategy. From our warehouse based in Newcastle upon Tyne we can distribute to any location in the UK and with access to the two main roads serving the North East of England this gives us the advantage of being able to offer to our customers the service they require, with next day deliveries. With one of the most comprehensive stock ranges in the area we are confident that we can supply all of your products and materials with minimum delay.



PRODUCT RANGE

Pipe and Tube in Carbon Steel grades:

| | |
|----------|---|
| Seamless | API 5L Grade B ASTM A53 Grade B ASTM A106 Grade B ASTM A333 Grade 6 ASTM A333 Grade 3 API 5L X52 S355 J2H E235 |
| Welded | API 5L Grade B |

Pipe and Tube in Stainless Steel grades:

| | |
|-----------------|--|
| Seamless/Welded | ASTM A312 Grade 304/304H Dual Certified ASTM A312 Grade 304/304L Dual Certified ASTM A312 Grade 321/321H Dual Certified ASTM A312 Grade 316/316L Dual Certified |
|-----------------|--|

Fittings and Flanges Carbon Steel grades:

| | |
|-------------------|---------------------------------------|
| Buttweld Fittings | ASTM A234 WPB ASTM A420 Grade WPL6 |
|-------------------|---------------------------------------|

| | | |
|------------------------------|---|---------------|
| Forged Steel Fittings | } | ASTM A105 |
| Screwed/Socket Weld Fittings | | ASTM A350 LF2 |
| Branch Fittings | | |

| | |
|----------------------|---|
| Swage/Barrel Nipples | to BS3799 and appropriate pipe specifications |
|----------------------|---|

| | |
|--|----------------------|
| Flanges | ASTM A105 Normalised |
| BS4504, BS10, ANSI, JIS | ASTM A350 LF2 |
| Weld neck, Blind, Slip On, Socket Weld, Screwed – BSPT, NPT | S235 Mild Steel |

Fittings and Flanges Stainless Steel grades:

| | |
|-------------------|--|
| Buttweld Fittings | ASTM A403 Grade 304/304H Dual Certified ASTM A403 Grade 304/304L Dual Certified ASTM A403 Grade 321/321H Dual Certified ASTM A403 Grade 316/316L Dual Certified |
|-------------------|--|

Other materials:

BS1387 Gas and Water tube – Galvanised, Red Primed & Self Colour

BS1740 Mild Steel Fittings – Galvanised & Self Colour

BS143 Malleable Iron Fittings – Galvanised & Self Colour

Gaskets – CNAF Ring Joint, CNAF Full Face, EPDM Full Face, Spiral Wound

Fasteners – Self Colour, Zinc Plated & Galvanised in Grades 4.6, 8.8, 10.9

Q Clamp handrail distributor



Valves and Fittings

We have an extensive range of valves ex-stock including but not exhaustive to:

- Brass Gate, Check, Strainers, Foot Valves



- Brass/Bronze Ball Valves – Gas Approved, Compression, Mini, 3 Way, Vented Locking, DZR



- Brass Hose Tails, Brass BSP Fittings



- Actuated Valves, Actuators, Actuation Accessories



- Plumbing & Heating Valves, Pressure Reducing, Regulating, Balancing, Float, Check



- Bronze Globe, Gate, Check, Strainer, Relief, Plug Cocks, flow Indicators, Sight Glasses, Level Gauges



- Cast Iron, Cast Steel & Ductile Iron Ball, Gate, Check, Strainer, Globe, Knife Gates

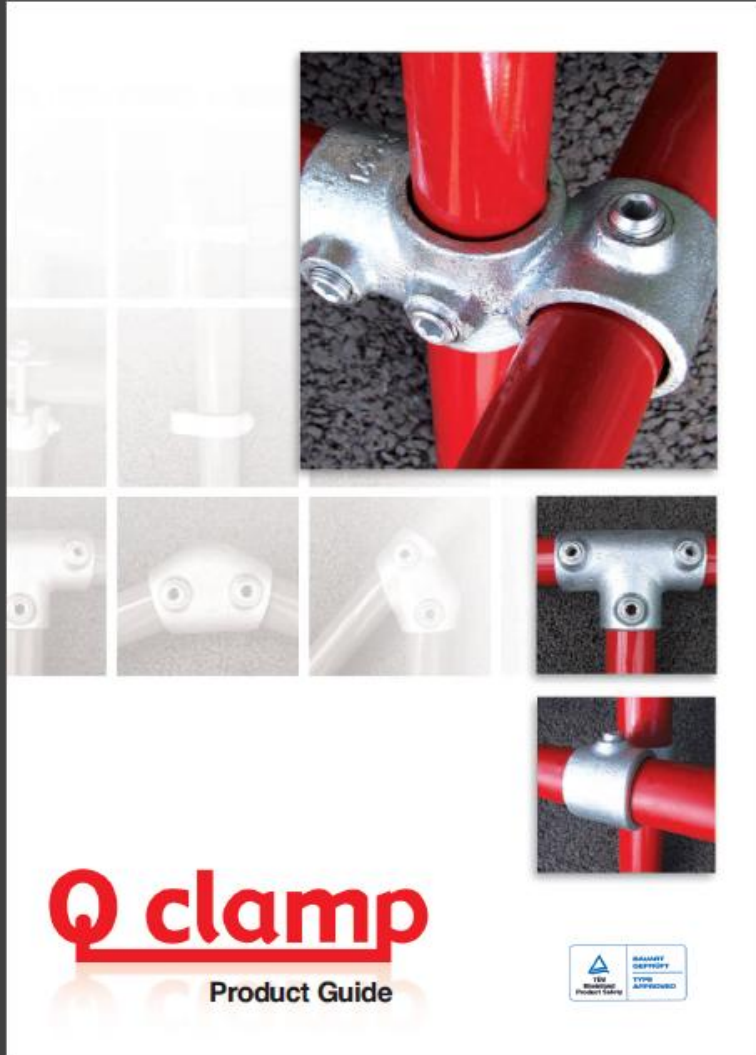


- Stainless Steel Valves, Ball, Gate, Globe, Check, Strainer, dual Plate, Float, Butterfly



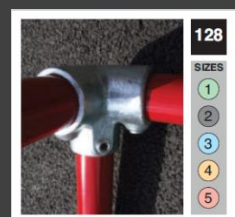
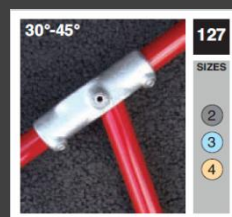
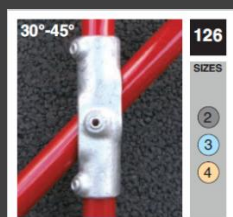
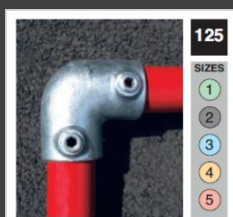
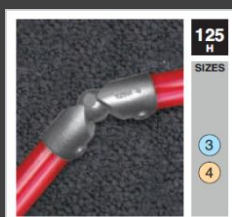
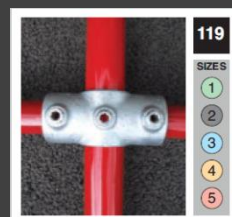
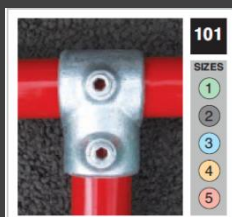
- Oil, Gas & Process Ball Valves, Carbon Steel & Stainless Steel

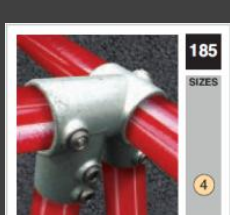
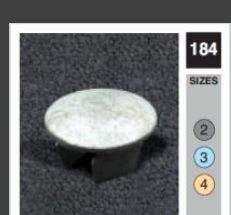
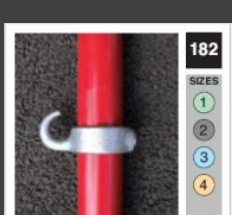
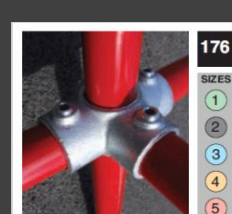
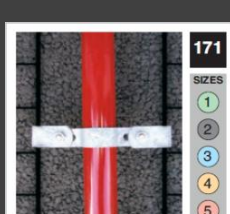
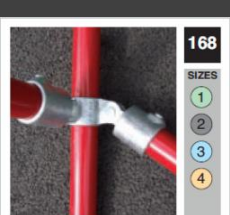
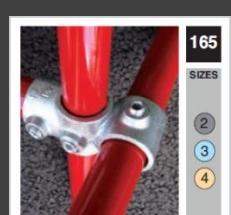
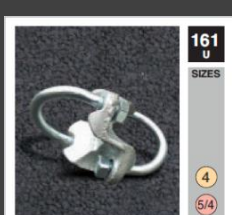
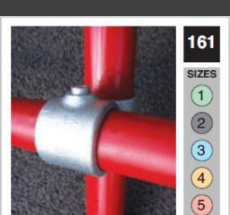
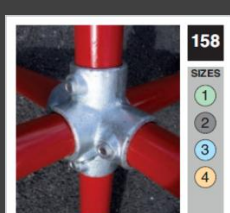
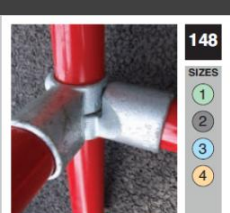
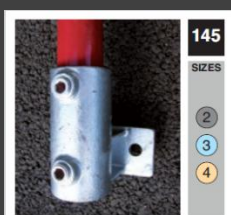
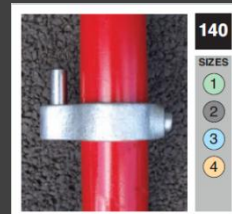
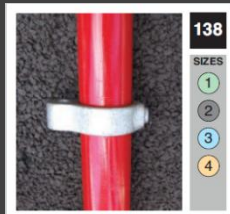
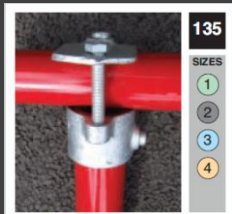
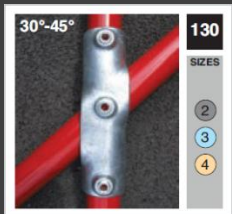




Q clamp

Product Guide





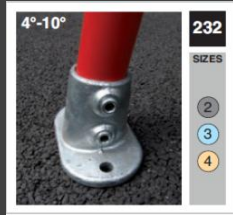
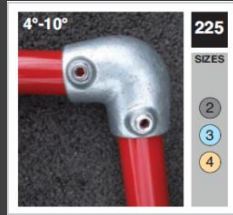
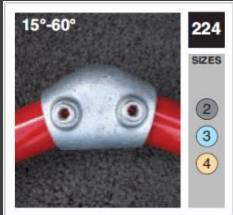
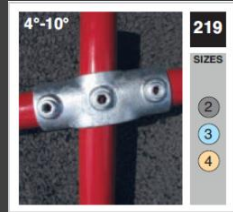
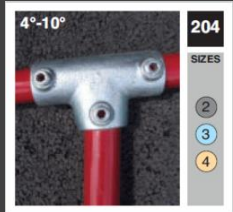
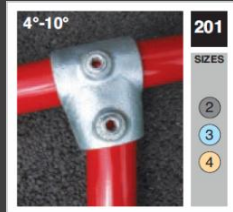
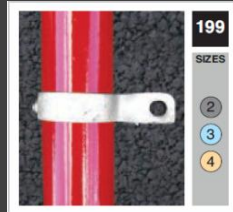


TABLE OF SIZES

| | TUBE DIA MM O/D | NOMINAL BORE |
|---|--------------------|-----------------|
| 1 | 26.9 | 3/4" |
| 2 | 33.7 | 1" |
| 3 | 42.4 | 1 1/4" |
| 4 | 48.3 | 1 1/2" |
| 5 | 60.3 | 2" |

Linepipe Dimensions API 5L/ASTM A106

| Nom Pipe Size inches | Outside Diameter mm | Schd 10 mm | Schd 20 mm | Schd 30 mm | Std Weight mm | Schd 40 mm | Schd 60 mm | Ex Strong mm | Schd 80 mm | Schd 100 mm | Schd 120 mm | Schd 140 mm | Schd 160 mm | D/Ex Strong mm |
|----------------------|---------------------|------------|------------|------------|---------------|------------|------------|--------------|------------|-------------|-------------|-------------|-------------|----------------|
| 1/4 | 13.7 | | | | 2.23 | 2.23 | | 3.02 | 3.02 | | | | | |
| 3/8 | 17.14 | | | | 2.31 | 2.31 | | 3.20 | 3.20 | | | | | |
| 1/2 | 21.33 | | | | 2.76 | 2.76 | | 3.73 | 3.73 | | | | 4.77 | 7.46 |
| 3/4 | 26.67 | | | | 2.87 | 2.87 | | 3.91 | 3.91 | | | | 5.56 | 7.82 |
| 1 | 33.40 | | | | 3.37 | 3.37 | | 4.54 | 4.54 | | | | 6.35 | 9.09 |
| 1 1/4 | 42.16 | | | | 3.55 | 3.55 | | 4.85 | 4.85 | | | | 6.35 | 6.35 |
| 1 1/2 | 48.26 | | | | 3.68 | 3.68 | | 5.08 | 5.05 | | | | 7.13 | 10.16 |
| 2 | 60.32 | | | | 3.91 | 3.91 | | 5.53 | 5.53 | | | | 8.73 | 11.07 |
| 2 1/2 | 73.02 | | | | 5.15 | 5.15 | | 7.01 | 7.01 | | | | 9.52 | 14.02 |
| 3 | 88.90 | | | | 5.48 | 5.48 | | 7.62 | 7.62 | | | | 11.12 | 15.24 |
| 3 1/2 | 101.60 | | | | 5.74 | 5.74 | | 8.07 | 8.07 | | | | | |
| 4 | 114.30 | | | | 6.01 | 6.01 | | 8.55 | 8.55 | | 11.12 | | 13.48 | 17.11 |
| 5 | 141.30 | | | | 6.55 | 6.55 | | 9.52 | 9.52 | | 12.7 | | 15.87 | 19.05 |
| 6 | 168.27 | | | | 7.11 | 7.11 | | 10.97 | 10.97 | | 14.27 | | 18.26 | 21.94 |
| 8 | 219.07 | | 6.35 | 7.03 | 8.17 | 8.17 | 10.31 | 12.70 | 12.7 | 15.08 | 18.26 | 20.62 | 23.01 | 22.22 |
| 10 | 273.05 | | 6.35 | 7.79 | 9.27 | 9.27 | 12.70 | 12.70 | 15.08 | 18.26 | 21.43 | 25.40 | 28.57 | 25.40 |
| 12 | 323.85 | | 6.35 | 8.83 | 9.52 | 10.31 | 14.27 | 12.70 | 17.47 | 21.43 | 25.40 | 28.57 | 33.32 | 25.40 |
| 14 | 355.60 | 6.35 | 7.92 | 9.52 | 9.52 | 11.12 | 15.08 | 12.70 | 19.05 | 23.82 | 27.78 | 31.75 | 35.71 | |
| 16 | 406.40 | 6.35 | 7.92 | 9.52 | 9.52 | 12.70 | 16.66 | 12.70 | 21.43 | 26.18 | 30.96 | 36.52 | 40.48 | |
| 18 | 457.20 | 6.35 | 7.92 | 11.12 | 9.52 | 14.27 | 19.05 | 12.70 | 23.82 | 29.36 | 34.92 | 39.67 | 45.23 | |
| 20 | 508.00 | 6.35 | 9.52 | 12.70 | 9.52 | 15.08 | 20.62 | 12.70 | 26.18 | 32.53 | 38.10 | 44.45 | 50.01 | |
| 24 | 609.60 | 6.35 | 9.52 | 14.27 | 9.52 | 17.47 | 24.61 | 12.70 | 30.96 | 38.88 | 46.02 | 52.37 | 59.53 | |
| 26 | 660.40 | 7.92 | 12.70 | | 9.52 | | | 12.70 | | | | | | |
| 30 | 762.00 | 7.92 | 12.70 | 15.87 | 9.52 | | | 12.70 | | | | | | |
| 32 | 812.80 | 7.92 | 12.70 | 15.87 | 9.52 | 17.47 | | 12.70 | | | | | | |
| 34 | 863.60 | 7.92 | 12.70 | 15.87 | 9.52 | 17.47 | | 12.70 | | | | | | |
| 36 | 914.40 | 7.92 | 12.70 | 15.87 | 9.52 | 19.05 | | 12.70 | | | | | | |

Steel Tube Dimensions EN10255/10217 (BS1387)

| Nominal Pipe Size | | Outside Diameter | | Thickness | |
|-------------------|-------|------------------|--------|-----------|----------|
| mm | in | Min mm | Max mm | Medium mm | Heavy mm |
| 8 | 1/8 | 13.3 | 13.9 | 2.3 | 2.9 |
| 10 | 1/4 | 16.8 | 17.4 | 2.3 | 2.9 |
| 15 | 1/2 | 21.1 | 21.7 | 2.6 | 3.2 |
| 20 | 3/4 | 26.6 | 27.2 | 2.6 | 3.2 |
| 25 | 1 | 33.4 | 34.2 | 3.2 | 4.0 |
| 32 | 1 1/4 | 42.1 | 42.9 | 3.2 | 4.0 |
| 40 | 1 1/2 | 48.0 | 48.8 | 3.2 | 4.0 |
| 50 | 2 | 59.8 | 60.8 | 3.6 | 4.5 |
| 65 | 2 1/2 | 75.4 | 76.6 | 3.6 | 4.5 |
| 80 | 3 | 88.1 | 89.5 | 4.0 | 5.0 |
| 100 | 4 | 113.3 | 114.9 | 4.5 | 5.4 |
| 125 | 5 | 138.7 | 140.6 | 5.0 | 5.4 |
| 150 | 6 | 164.1 | 166.1 | 5.0 | 5.4 |

Butt Weld Fittings – ASTM A234 WPB

| Nominal Bore | | Outside Diameter | | Wall Thickness | | Elbows | | Elbows | Equal Tees | End Caps |
|--------------|-----|------------------|-------|----------------|-------|-------------|-----|--------------|------------|----------|
| | | | | Std Wt | XS | Long Radius | | Short Radius | | |
| ins. | mm | ins. | mm | mm | mm | 45° | 90° | 90° | | |
| 1/2 | 15 | 0.840 | 21.3 | 2.77 | 3.73 | ● | ● | - | ● | ● |
| 3/4 | 20 | 1.050 | 26.7 | 2.87 | 3.91 | ● | ● | - | ● | ● |
| 1 | 25 | 1.315 | 33.4 | 3.38 | 4.55 | ● | ● | - | ● | ● |
| 1 ¼ | 32 | 1.660 | 42.2 | 3.56 | 4.85 | ● | ● | ● | ● | ● |
| 1 ½ | 40 | 1.900 | 48.3 | 3.68 | 5.08 | ● | ● | ● | ● | ● |
| 2 | 50 | 2.375 | 60.3 | 3.91 | 5.54 | ● | ● | ● | ● | ● |
| 2 ½ | 65 | 2.875 | 73 | 5.16 | 7.01 | ● | ● | ● | ● | ● |
| 3 | 80 | 3.500 | 88.9 | 5.49 | 7.62 | ● | ● | ● | ● | ● |
| 3 ½ | 90 | 4.000 | 101.6 | 5.74 | 8.08 | ● | ● | - | - | - |
| 4 | 100 | 4.500 | 114.3 | 6.02 | 8.56 | ● | ● | ● | ● | ● |
| 5 | 125 | 5.563 | 141.3 | 6.55 | 9.52 | ● | ● | ● | ● | ● |
| 6 | 150 | 6.625 | 168.3 | 7.11 | 10.97 | ● | ● | ● | ● | ● |
| 8 | 200 | 8.625 | 219.1 | 8.18 | 12.7 | ● | ● | ● | ● | ● |
| 10 | 250 | 10.750 | 273 | 9.27 | 12.7 | ● | ● | ● | ● | ● |
| 12 | 300 | 12.750 | 323.8 | 9.52 | 12.7 | ● | ● | ● | ● | ● |
| 14 | 350 | 14 | 355.6 | 9.52 | 12.7 | ● | ● | ● | ● | ● |
| 16 | 400 | 16 | 406.4 | 9.52 | 12.7 | ● | ● | ● | ● | ● |
| 18 | 450 | 18 | 457.2 | 9.52 | 12.7 | ● | ● | ● | * | * |
| 20 | 500 | 20 | 508 | 9.52 | 12.7 | ● | ● | ● | * | * |
| 24 | 600 | 24 | 609.6 | 9.52 | 12.7 | ● | ● | ● | * | * |
| 26 | 660 | 26 | 660.4 | 9.52 | 12.7 | ● | ● | ● | * | * |
| 28 | 710 | 28 | 711.2 | 9.52 | 12.7 | ● | ● | ● | * | * |
| 30 | 760 | 30 | 762 | 9.52 | 12.7 | ● | ● | ● | * | * |
| 32 | 810 | 32 | 812.8 | 9.52 | 12.7 | ● | ● | ● | * | * |

● : Ex Stock

- : Not Manufactured

* : 24/48hrs

NB: This is not an exhaustive list of materials and we also offer the following grades:

Carbon Steel – ASTM A420 WPL6

Stainless Steel – ASTM A403 304L

ASTM A403 316L

BS4504 (PN6) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|-------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | mm | mm | mm | mm | mm | mm | mm |
| 15mm | 80 | 55 | 4 | M10 | 11 | 40 | 12 |
| 20mm | 90 | 65 | 4 | M10 | 11 | 50 | 14 |
| 25mm | 100 | 75 | 4 | M10 | 11 | 60 | 14 |
| 32mm | 120 | 90 | 4 | M12 | 14 | 70 | 14 |
| 40mm | 130 | 100 | 4 | M12 | 14 | 80 | 14 |
| 50mm | 140 | 110 | 4 | M12 | 14 | 90 | 14 |
| 65mm | 160 | 130 | 4 | M12 | 14 | 110 | 14 |
| 80mm | 190 | 150 | 4 | M16 | 18 | 128 | 16 |
| 100mm | 210 | 170 | 4 | M16 | 18 | 148 | 16 |
| 125mm | 240 | 200 | 8 | M16 | 18 | 178 | 18 |
| 150mm | 265 | 225 | 8 | M16 | 18 | 202 | 18 |
| 200mm | 320 | 280 | 8 | M16 | 18 | 258 | 20 |
| 250mm | 375 | 335 | 12 | M16 | 18 | 312 | 22 |
| 300mm | 440 | 395 | 12 | M20 | 22 | 365 | 22 |
| 350mm | 490 | 445 | 12 | M20 | 22 | 415 | 22 |
| 400mm | 540 | 495 | 16 | M20 | 22 | 465 | 22 |
| 450mm | 595 | 550 | 16 | M20 | 22 | 518 | 22 |
| 500mm | 645 | 600 | 20 | M20 | 22 | 570 | 24 |
| 600mm | 755 | 705 | 20 | M24 | 26 | 670 | 30 |

BS4504 (PN10) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|-------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | mm | mm | mm | mm | mm | mm | mm |
| 15mm | 95 | 65 | 4 | M12 | 14 | 45 | 16 |
| 20mm | 105 | 75 | 4 | M12 | 14 | 58 | 18 |
| 25mm | 115 | 85 | 4 | M12 | 14 | 68 | 18 |
| 32mm | 140 | 100 | 4 | M16 | 18 | 78 | 18 |
| 40mm | 150 | 110 | 4 | M16 | 18 | 88 | 18 |
| 50mm | 165 | 125 | 4 | M16 | 18 | 102 | 18 |
| 65mm | 185 | 145 | 4(1) | M16 | 18 | 122 | 18 |
| 80mm | 200 | 160 | 8 | M16 | 18 | 138 | 20 |
| 100mm | 220 | 180 | 8 | M16 | 18 | 158 | 20 |
| 125mm | 250 | 210 | 8 | M16 | 18 | 188 | 22 |
| 150mm | 285 | 240 | 8 | M20 | 22 | 212 | 22 |
| 200mm | 340 | 295 | 8 | M20 | 22 | 268 | 24 |
| 250mm | 395 | 350 | 12 | M20 | 22 | 231 | 26 |
| 300mm | 445 | 400 | 12 | M20 | 22 | 370 | 26 |
| 350mm | 505 | 460 | 16 | M20 | 22 | 430 | 26 |
| 400mm | 565 | 515 | 16 | M20 | 22 | 465 | 26 |
| 450mm | 615 | 565 | 20 | M24 | 26 | 532 | 28 |
| 500mm | 670 | 620 | 20 | M24 | 26 | 585 | 28 |
| 600mm | 780 | 725 | 20 | M27 | 30 | 685 | 34 |

(1) Steel flanges in this DN and PN may be supplied with 8 Holes.

BS4504 (PN16) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|-------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | mm | mm | mm | mm | mm | mm | mm |
| 15mm | 95 | 65 | 4 | M12 | 14 | 45 | 16 |
| 20mm | 105 | 75 | 4 | M12 | 14 | 58 | 18 |
| 25mm | 115 | 85 | 4 | M12 | 14 | 68 | 18 |
| 32mm | 140 | 100 | 4 | M16 | 18 | 78 | 18 |
| 40mm | 150 | 110 | 4 | M16 | 18 | 88 | 18 |
| 50mm | 165 | 125 | 4 | M16 | 18 | 102 | 18 |
| 65mm | 185 | 145 | 4(1) | M16 | 18 | 122 | 18 |
| 80mm | 200 | 160 | 8 | M16 | 18 | 138 | 20 |
| 100mm | 220 | 180 | 8 | M16 | 18 | 158 | 20 |
| 125mm | 250 | 210 | 8 | M16 | 18 | 188 | 22 |
| 150mm | 285 | 240 | 8 | M20 | 22 | 212 | 22 |
| 200mm | 340 | 295 | 12 | M20 | 22 | 268 | 24 |
| 250mm | 405 | 355 | 12 | M24 | 26 | 320 | 26 |
| 300mm | 460 | 410 | 12 | M24 | 26 | 378 | 28 |
| 350mm | 520 | 470 | 16 | M24 | 26 | 438 | 30 |
| 400mm | 580 | 525 | 16 | M27 | 30 | 490 | 32 |
| 450mm | 640 | 585 | 20 | M27 | 30 | 550 | 40 |
| 500mm | 715 | 650 | 20 | M30 | 33 | 610 | 44(1) |
| 600mm | 840 | 770 | 20 | M33 | 36 | 725 | 54 |

(1) Steel flanges in this DN and PN may be supplied with 8 holes.

(2) These flange thicknesses are changed substantially as a result of the flange calculation method used in BS EN 1092-1

BS4504 (PN25) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|-------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | mm | mm | mm | mm | mm | mm | mm |
| 15mm | 95 | 65 | 4 | M12 | 14 | 45 | 16 |
| 20mm | 105 | 75 | 4 | M12 | 14 | 58 | 18 |
| 25mm | 115 | 85 | 4 | M12 | 14 | 68 | 18 |
| 32mm | 140 | 100 | 4 | M16 | 18 | 78 | 18 |
| 40mm | 150 | 110 | 4 | M16 | 18 | 88 | 18 |
| 50mm | 165 | 125 | 4 | M16 | 18 | 102 | 20 |
| 65mm | 185 | 145 | 8 | M16 | 18 | 122 | 22 |
| 80mm | 200 | 160 | 8 | M16 | 18 | 138 | 24 |
| 100mm | 235 | 190 | 8 | M20 | 22 | 162 | 24 |
| 125mm | 270 | 220 | 8 | M24 | 26 | 188 | 26 |
| 150mm | 300 | 250 | 8 | M24 | 26 | 218 | 28 |
| 200mm | 360 | 310 | 12 | M24 | 26 | 278 | 30 |
| 250mm | 425 | 370 | 12 | M27 | 30 | 335 | 32 |
| 300mm | 485 | 430 | 16 | M27 | 30 | 395 | 34 |
| 350mm | 555 | 490 | 16 | M30 | 33 | 450 | 38 |
| 400mm | 620 | 550 | 16 | M33 | 36 | 505 | 40 |
| 450mm | 670 | 600 | 20 | M33 | 36 | 555 | 46 |
| 500mm | 730 | 660 | 20 | M33 | 36 | 615 | 48(1) |
| 600mm | 845 | 770 | 20 | M36 | 39 | 720 | 58 |

(1) These flange thicknesses are changed substantially as a result of the flange calculation method used in BS EN 1092-1

BS4504 (PN40) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|-------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | mm | mm | mm | mm | mm | mm | mm |
| 15mm | 95 | 65 | 4 | M12 | 14 | 45 | 16 |
| 20mm | 105 | 75 | 4 | M12 | 14 | 58 | 18 |
| 25mm | 115 | 85 | 4 | M12 | 14 | 68 | 18 |
| 32mm | 140 | 100 | 4 | M16 | 18 | 78 | 18 |
| 40mm | 150 | 110 | 4 | M16 | 18 | 102 | 20 |
| 50mm | 165 | 125 | 4 | M16 | 18 | 102 | 20 |
| 65mm | 185 | 145 | 8 | M16 | 18 | 122 | 22 |
| 80mm | 200 | 160 | 8 | M16 | 18 | 138 | 24 |
| 100mm | 235 | 190 | 8 | M20 | 22 | 162 | 24 |
| 125mm | 270 | 220 | 8 | M24 | 26 | 188 | 26 |
| 150mm | 300 | 250 | 8 | M24 | 26 | 218 | 28 |
| 200mm | 375 | 320 | 12 | M24 | 26 | 285 | 34 |
| 250mm | 450 | 385 | 12 | M30 | 33 | 345 | 38 |
| 300mm | 515 | 450 | 16 | M30 | 33 | 410 | 42 |
| 350mm | 580 | 510 | 16 | M33 | 36 | 465 | 46 |
| 400mm | 660 | 585 | 16 | M36 | 39 | 535 | 50 |
| 450mm | 685 | 610 | 20 | M36 | 39 | 560 | 57 |
| 500mm | 755 | 670 | 20 | M39 | 42 | 615 | 57(1) |
| 600mm | 890 | 795 | 20 | M45 | 48 | 735 | 72 |

(1) These flange thicknesses are changed substantially as a result of the flange calculation method used in BS EN 1092-1

ANSI Flange Tables

| | | Dia of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|---------------|-----|---------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | | in | in | | in | in | in | in |
| ½ (15mm) | 150 | 3 ½ | 2 3/8 | 4 | ½ | 5/8 | 1 3/8 | 7/16 |
| | 300 | 3 ¾ | 3 5/8 | 4 | ½ | 5/8 | 1 3/8 | 9/16 |
| ¾ (20mm) | 150 | 3 7/8 | 2 ¾ | 4 | ½ | 5/8 | 1 11/16 | ½ |
| | 300 | 4 5/8 | 3 ¼ | 4 | 5/8 | ¾ | 1 11/16 | 5/8 |
| 1 (25mm) | 150 | 4 ¼ | 3 1/8 | 4 | ½ | 5/8 | 2 | 9/16 |
| | 300 | 4 7/8 | 3 ½ | 4 | 5/8 | ¾ | 2 | 11/16 |
| 1 ¼ (32mm) | 150 | 4 5/8 | 3 ½ | 4 | ½ | 5/8 | 2 ½ | 5/8 |
| | 300 | 5 ¼ | 3 7/8 | 4 | 5/8 | ¾ | 2 ½ | ¾ |
| 1 ½ (40mm) | 150 | 5 | 3 7/8 | 4 | ½ | 5/8 | 2 7/8 | 11/16 |
| | 300 | 6 1/8 | 4 ½ | 4 | ¾ | 7/8 | 2 7/8 | 13/16 |
| 2 (50mm) | 150 | 6 | 4 ¾ | 4 | 5/8 | ¾ | 3 5/8 | ¾ |
| | 300 | 6 ½ | 5 | 8 | 5/8 | ¾ | 3 5/8 | 7/8 |
| 2 ½ (65mm) | 150 | 7 | 5 ½ | 4 | 5/8 | ¾ | 4 1/8 | 7/8 |
| | 300 | 7 ½ | 5 7/8 | 8 | ¾ | 7/8 | 4 1/8 | 1 |
| 3 (80mm) | 150 | 7 ½ | 6 | 4 | 5/8 | ¾ | 5 | 15/16 |
| | 300 | 8 ¼ | 6 5/8 | 8 | ¾ | 7/8 | 5 | 1 1/8 |
| 4 (100mm) | 150 | 9 | 7 ½ | 8 | 5/8 | ¾ | 6 3/16 | 15/16 |
| | 300 | 10 | 7 7/8 | 8 | ¾ | 7/8 | 6 3/16 | 1 ¼ |
| 5 (125mm) | 150 | 10 | 8 ½ | 8 | ¾ | 7/8 | 7 5/16 | 15/16 |
| | 300 | 11 | 9 ¼ | 8 | ¾ | 7/8 | 7 5/16 | 1 3/8 |
| 6 (150mm) | 150 | 11 | 9 ½ | 8 | ¾ | 7/8 | 8 ½ | 1 |
| | 300 | 12 ½ | 10 5/8 | 12 | ¾ | 7/8 | 8 ½ | 1 7/16 |
| 8 (200mm) | 150 | 13 ½ | 11 ¾ | 8 | ¾ | 7/8 | 10 5/8 | 1 1/8 |
| | 300 | 15 | 13 | 12 | 7/8 | 1 | 10 5/8 | 1 5/8 |
| 10 (250mm) | 150 | 16 | 14 ¼ | 12 | 7/8 | 1 | 12 ¾ | 1 3/16 |
| | 300 | 17 ½ | 15 ¼ | 16 | 1 | 1 1/8 | 12 ¾ | 1 7/8 |
| 12 (300mm) | 150 | 19 | 17 | 12 | 7/8 | 1 | 15 | 1 ¼ |
| | 300 | 20 ½ | 17 ¾ | 16 | 1 1/8 | 1 ¼ | 15 | 2 |
| 14 (350mm) | 150 | 21 | 18 ¾ | 125 | 1 | 1 1/8 | 16 ¼ | 1 3/8 |
| | 300 | 23 | 20 ¼ | 20 | 1 1/8 | 1 ¼ | 16 ¼ | 2 1/8 |
| 16 (400mm) | 150 | 23 ½ | 21 ¼ | 16 | 1 | 1 1/8 | 18 ½ | 1 7/16 |
| | 300 | 25 ½ | 22 ½ | 20 | 1 ¼ | 1 3/8 | 18 ½ | 2 ¼ |
| 18 (450mm) | 150 | 25 | 22 ¾ | 16 | 1 1/8 | 1 ¼ | 21 | 1 9/16 |
| | 300 | 28 | 24 ¾ | 24 | 1 ¼ | 1 3/8 | 21 | 2 3/8 |
| 20 (500mm) | 150 | 27 ½ | 25 | 20 | 1 1/8 | 1 ¼ | 23 | 1 11/16 |
| | 300 | 30 ½ | 27 | 24 | 1 ¼ | 1 3/8 | 23 | 2 ½ |
| 24 (600mm) | 150 | 32 | 29 ½ | 20 | 1 ¼ | 1 3/8 | 27 ¼ | 1 7/8 |
| | 300 | 36 | 32 | 24 | 1 ½ | 1 5/8 | 27 ¼ | 2 ¾ |

*Class 600,900 & 1500 Flanges also available.

**For larger diameter flange dimensions please contact our sales team.

BS10 (Table D) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|------------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | in | in | in | in | in | in | in |
| ½ (15mm) | 3 ¾ | 2 5/8 | 4 | ½ | 9/16 | - | 3/8 |
| ¾ (20mm) | 4 | 2 7/8 | 4 | ½ | 9/16 | - | 3/8 |
| 1 (25mm) | 4 ½ | 3 ¼ | 4 | ½ | 9/16 | - | 3/8 |
| 1¼ (32mm) | 4 ¾ | 3 7/16 | 4 | ½ | 9/16 | - | ½ |
| 1½ (40mm) | 5 ¼ | 3 7/8 | 4 | ½ | 9/16 | - | ½ |
| 2 (50mm) | 6 | 4 ½ | 4 | 5/8 | 11/16 | - | 9/16 |
| 2½ (65mm) | 6 ½ | 5 | 4 | 5/8 | 11/16 | - | 9/16 |
| 3 (80mm) | 7 ¼ | 5 ¾ | 4 | 5/8 | 11/16 | - | 9/16 |
| 4 (100mm) | 8 ½ | 7 | 4 | 5/8 | 11/16 | - | 11/16 |
| 5 (125mm) | 10 | 8 ¼ | 8 | 5/8 | 11/16 | - | 11/16 |
| 6 (150mm) | 11 | 9 ¼ | 8 | 5/8 | 11/16 | - | 11/16 |
| 8 (200mm) | 13 ¼ | 11 ½ | 8 | 5/8 | 11/16 | - | ¾ |
| 10 (250mm) | 16 | 14 | 8 | ¾ | 7/8 | - | ¾ |
| 12 (300mm) | 18 | 16 | 12 | ¾ | 7/8 | - | 7/8 |
| 14 (350mm) | 20 ¾ | 18 ½ | 12 | 7/8 | 1 | - | 1 |
| 16 (400mm) | 22 ¾ | 20 ½ | 12 | 7/8 | 1 | - | 1 |
| 18 (450mm) | 25 ¼ | 23 | 12 | 7/8 | 1 | - | 1 1/8 |
| 20 (500mm) | 27 ¾ | 25 ¼ | 16 | 7/8 | 1 | - | - |
| 24 (600mm) | 32 ½ | 29 ¾ | 16 | 1 | 1 1/8 | - | 1 3/8 |

BS10 (Table E) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|------------|-------------------|---------------------|--------------------|------------------|------------------|---------------------------|------------------------|
| | in | in | in | in | in | in | in |
| ½ (15mm) | 3 ¾ | 2 5/8 | 4 | ½ | 9/16 | - | 3/8 |
| ¾ (20mm) | 4 | 2 7/8 | 4 | ½ | 9/16 | - | 3/8 |
| 1 (25mm) | 4 ½ | 3 ¼ | 4 | ½ | 9/16 | - | 3/8 |
| 1¼ (32mm) | 4 ¾ | 3 7/16 | 4 | ½ | 9/16 | - | ½ |
| 1½ (40mm) | 5 ¼ | 3 7/8 | 4 | ½ | 9/16 | - | ½ |
| 2 (50mm) | 6 | 4 ½ | 4 | 5/8 | 11/16 | - | 9/16 |
| 2½ (65mm) | 6 ½ | 5 | 4 | 5/8 | 11/16 | - | 9/16 |
| 3 (80mm) | 7 ¼ | 5 ¾ | 4 | 5/8 | 11/16 | - | 9/16 |
| 4 (100mm) | 8 ½ | 7 | 8 | 5/8 | 11/16 | - | 11/16 |
| 5 (125mm) | 10 | 8 ¼ | 8 | 5/8 | 11/16 | - | 11/16 |
| 6 (150mm) | 11 | 9 ¼ | 8 | ¾ | 7/8 | - | 11/16 |
| 8 (200mm) | 13 ¼ | 11 ½ | 8 | ¾ | 7/8 | - | ¾ |
| 10 (250mm) | 16 | 14 | 12 | ¾ | 7/8 | - | 7/8 |
| 12 (300mm) | 18 | 16 | 12 | 7/8 | 1 | - | 1 |
| 14 (350mm) | 20 ¾ | 18 ½ | 12 | 7/8 | 1 | - | 1 |
| 16 (400mm) | 22 ¾ | 20 ½ | 12 | 7/8 | 1 | - | 1 |
| 18 (450mm) | 25 ¼ | 23 | 16 | 7/8 | 1 | - | 1 1/8 |
| 20 (500mm) | 27 ¾ | 25 ¼ | 16 | 7/8 | 1 | - | 1 ¼ |
| 24 (600mm) | 32 ½ | 29 ¾ | 16 | 1 1/8 | 1 ¼ | - | 1 ½ |

BS10 (Table F) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|------------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | in | in | in | in | in | in | in |
| ½ (15mm) | 3 ¾ | 2 5/8 | 4 | ½ | 9/16 | - | 3/8 |
| ¾ (20mm) | 4 | 2 7/8 | 4 | ½ | 9/16 | - | 3/8 |
| 1 (25mm) | 4 ¾ | 3 7/16 | 4 | 5/8 | 11/16 | - | 3/8 |
| 1¼ (32mm) | 5 ¼ | 3 7/8 | 4 | 5/8 | 11/16 | - | ½ |
| 1½ (40mm) | 5 ½ | 4 1/8 | 4 | 5/8 | 11/16 | - | ½ |
| 2 (50mm) | 6 ½ | 5 | 4 | 5/8 | 11/16 | - | 5/8 |
| 2½ (65mm) | 7 ¼ | 5 ¾ | 8 | 5/8 | 11/16 | - | 5/8 |
| 3 (80mm) | 8 | 6 ½ | 8 | 5/8 | 11/16 | - | 5/8 |
| 4 (100mm) | 9 | 7 ½ | 8 | 5/8 | 11/16 | - | ¾ |
| 5 (125mm) | 11 | 9 ¼ | 8 | ¾ | 7/8 | - | 7/8 |
| 6 (150mm) | 12 | 10 ¼ | 12 | ¾ | 7/8 | - | 7/8 |
| 8 (200mm) | 14 ½ | 12 ¾ | 12 | ¾ | 7/8 | - | 1 |
| 10 (250mm) | 17 | 15 | 12 | 7/8 | 1 | - | 1 |
| 12 (300mm) | 19 ¼ | 17 ¼ | 16 | 7/8 | 1 | - | 1 1/8 |
| 14 (350mm) | 21 ¾ | 19 ½ | 16 | 1 | 1 1/8 | - | 1 ¼ |
| 16 (400mm) | 24 | 21 ¾ | 20 | 1 | 1 1/8 | - | 1 ¼ |
| 18 (450mm) | 26 ½ | 24 | 20 | 1 1/8 | 1 ¼ | - | 1 3/8 |
| 20 (500mm) | 29 | 26 ½ | 24 | 1 1/8 | 1 ¼ | - | 1 ½ |
| 24 (600mm) | 33 ½ | 30 ¾ | 24 | 1 ¼ | 1 3/8 | - | 1 5/8 |

BS10 (Table H) Flange Tables

| | Dia. of flange | Bolt circle dia. | Number of bolts | Dia. of bolts | Dia. of holes | Dia. of raised face | Thickness of flange |
|------------|----------------|------------------|-----------------|---------------|---------------|---------------------|---------------------|
| | in | in | in | in | in | in | in |
| ½ (15mm) | 4 ½ | 3 ¼ | 4 | 5/8 | 11/16 | - | ½ |
| ¾ (20mm) | 4 ½ | 3 ¼ | 4 | 5/8 | 11/16 | - | ½ |
| 1 (25mm) | 4 ¾ | 3 7/16 | 4 | 5/8 | 11/16 | - | 9/16 |
| 1¼ (32mm) | 5 ¼ | 3 7/8 | 4 | 5/8 | 11/16 | - | 11/16 |
| 1½ (40mm) | 5 ½ | 4 1/8 | 4 | 5/8 | 11/16 | - | 11/16 |
| 2 (50mm) | 6 ½ | 5 | 4 | 5/8 | 11/16 | - | ¾ |
| 2½ (65mm) | 7 ¼ | 5 ¾ | 8 | 5/8 | 11/16 | - | ¾ |
| 3 (80mm) | 8 | 6 ½ | 8 | 5/8 | 11/16 | - | 7/8 |
| 4 (100mm) | 9 | 7 ½ | 8 | 5/8 | 11/16 | - | 1 |
| 5 (125mm) | 11 | 9 ¼ | 8 | ¾ | 7/8 | - | 1 1/8 |
| 6 (150mm) | 12 | 10 ¼ | 12 | ¾ | 7/8 | - | 1 1/8 |
| 8 (200mm) | 14 ½ | 12 ¾ | 12 | ¾ | 7/8 | - | 1 ¼ |
| 10 (250mm) | 17 | 15 | 12 | 7/8 | 1 | - | 1 3/8 |
| 12 (300mm) | 19 ¼ | 17 ¼ | 16 | 7/8 | 1 | - | 1 1/2 |
| 14 (350mm) | 21 ¾ | 19 ½ | 16 | 1 | 1 1/8 | - | 1 5/8 |
| 16 (400mm) | 24 | 21 ¾ | 20 | 1 | 1 1/8 | - | 1 ¾ |
| 18 (450mm) | 26 ½ | 24 | 20 | 1 1/8 | 1 ¼ | - | 1 7/8 |
| 20 (500mm) | 29 | 26 ½ | 24 | 1 1/8 | 1 ¼ | - | 2 |
| 24 (600mm) | 33 ½ | 30 ¾ | 24 | 1 ¼ | 1 3/8 | - | 2 ¼ |