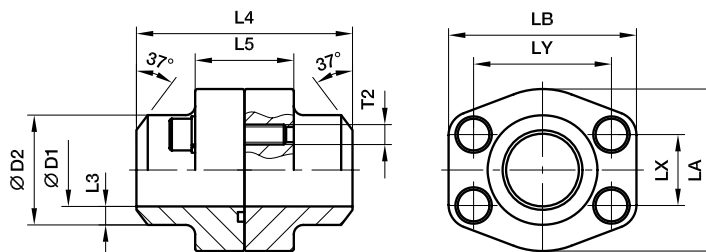




SAE 4 Bolt flanges

PDFS-B SAE Straight 4 bolt flange connection (butt weld)

SAE Flange / Butt weld tube end
(ISO 6162-1/-2)



3000 PSI Series

| Nom. flange size | | T2 | Weight (steel) kg/piece | PN (bar) ¹⁾ | | | | | | | | | | | | | |
|------------------|----------|-------|-------------------------|------------------------|------|-----|----|-----|-----|------|-------|-----|------|------|-----------------|-----|-----|
| SAE (in.) | ISO (DN) | | | Order code* | S | SS | | | | | | | | | | | |
| 1/2 | 13 | 21.3 | 13 | 21.6 | 4.3 | 72 | 32 | 47 | 57 | 17.5 | 38.1 | M 8 | 5/16 | 0.50 | PDFS080B | 345 | 345 |
| 3/4 | 19 | 26.9 | 19 | 27.2 | 4.1 | 72 | 36 | 49 | 66 | 22.3 | 47.6 | M10 | 3/8 | 0.56 | PDFS100B | 345 | 345 |
| 1 | 25 | 33.7 | 25 | 34.5 | 4.7 | 76 | 36 | 53 | 71 | 26.2 | 52.4 | M10 | 3/8 | 0.78 | PDFS102B | 345 | 345 |
| 1 1/4 | 32 | 42.4 | 31 | 42.8 | 6.0 | 82 | 42 | 69 | 80 | 30.2 | 58.7 | M10 | 7/16 | 0.92 | PDFS104B | 345 | 345 |
| 1 1/2 | 38 | 48.3 | 38 | 48.6 | 5.3 | 88 | 48 | 77 | 94 | 35.7 | 69.9 | M12 | 1/2 | 1.32 | PDFS106B | 276 | 276 |
| 2 | 51 | 60.3 | 50 | 61.0 | 5.5 | 90 | 48 | 89 | 103 | 42.9 | 77.8 | M12 | 1/2 | 2.10 | PDFS108B | 207 | 207 |
| 2 1/2 | 64 | 76.1 | 63 | 76.6 | 6.8 | 100 | 48 | 101 | 115 | 50.8 | 88.9 | M12 | 1/2 | 2.38 | PDFS110B | 207 | 207 |
| 3 | 76 | 88.9 | 73 | 89.0 | 8.0 | 100 | 53 | 124 | 135 | 61.9 | 106.4 | M16 | 5/8 | 2.80 | PDFS112B | 172 | 172 |
| 3 1/2 | 89 | 101.6 | 89 | 103.0 | 7.0 | 100 | 54 | 137 | 153 | 69.9 | 120.7 | M16 | 5/8 | 4.30 | PDFS114B | 138 | 138 |
| 4 | 102 | 114.3 | 99 | 115.0 | 8.0 | 100 | 54 | 147 | 163 | 77.8 | 130.2 | M16 | 5/8 | 4.80 | PDFS116B | 34 | 34 |
| 5 | 127 | 140.0 | 120 | 141.0 | 10.5 | 100 | 54 | 180 | 184 | 92.1 | 152.4 | M16 | 5/8 | 5.70 | PDFS118B | 34 | 34 |

6000 PSI Series

| | | | | | | | | | | | | | | | | | |
|-------|----|------|----|------|------|-----|-----|-----|-----|------|-------|-----|------|------|-------------------|-----|-----|
| 1/2 | 13 | 17.2 | 10 | 17.5 | 3.7 | 72 | 32 | 47 | 57 | 18.2 | 40.5 | M 8 | 5/16 | 0.52 | PDFS401B38 | 420 | 420 |
| 1/2 | 13 | 21.3 | 13 | 21.6 | 4.3 | 72 | 32 | 47 | 57 | 18.2 | 40.5 | M 8 | 5/16 | 0.58 | PDFS401B | 420 | 420 |
| 3/4 | 19 | 26.9 | 18 | 27.2 | 4.6 | 72 | 38 | 53 | 71 | 23.8 | 50.8 | M10 | 3/8 | 1.00 | PDFS402B | 420 | 420 |
| 1 | 25 | 33.7 | 22 | 34.5 | 6.3 | 88 | 48 | 66 | 80 | 27.8 | 57.2 | M12 | 7/16 | 1.52 | PDFS403B | 420 | 420 |
| 1 1/4 | 32 | 42.4 | 28 | 42.8 | 7.4 | 88 | 54 | 77 | 94 | 31.8 | 66.5 | M14 | 1/2 | 2.40 | PDFS404B | 420 | 420 |
| 1 1/2 | 38 | 48.3 | 32 | 48.6 | 8.3 | 102 | 60 | 89 | 106 | 36.5 | 79.3 | M16 | 5/8 | 3.30 | PDFS405B | 420 | 420 |
| 2 | 51 | 60.3 | 41 | 61.0 | 10.0 | 140 | 74 | 116 | 135 | 44.5 | 96.8 | M20 | 3/4 | 4.90 | PDFS406B | 420 | 420 |
| 2 1/2 | 64 | 76.1 | 50 | 76.6 | 13.0 | 150 | 90 | 150 | 166 | 58.7 | 123.8 | M24 | - | 6.50 | PDFS407B | 420 | 420 |
| 3 | 76 | 88.9 | 58 | 90.0 | 16.0 | 180 | 110 | 178 | 208 | 71.4 | 152.4 | M30 | - | 8.00 | PDFS408B | 420 | 420 |

¹⁾Pressure shown = Item deliverable

$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

The pressures given here are the maximum allowable for the flange fittings. If the pipe or tube used has a lower pressure rating, then the welded assembly rating will be the lower one, assuming the weld is adequately strong.

*Please add the suffixes below according to the material/surface required.

| Order code suffixes | | | | |
|-------------------------|-----------------------------|--|--|---|
| Material | Suffix surface and material | Example 4 bolt flange coupling incl. metr. screws and O-ring | Example 4 bolt flange coupling incl. UNC screws and O-ring | Standard sealing material (no additional suffix needed) |
| Steel, blanc oil dipped | S | PDFS080BS | PDFS080BSU | NBR |
| Stainless steel | SS | PDFS080BSS | - | VIT |

