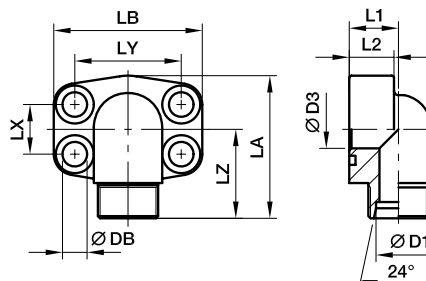




## SAE 4 Bolt flanges

### PAFG-90M SAE 90° 4 bolt flange with EO 24° cone end

SAE 90° Flange / EO 24° cone end  
(ISO 6162-1/-2)



#### 3000 PSI Series

| Nom. flange size |             | D1 <sup>2)</sup><br> | D3 | L1 | L2 | LA | LB | LX   | LY   | LZ | DB   | Screws  |            | Weight<br>(steel)<br>kg/piece | Order code*    | PN (bar) <sup>1)</sup> |     |
|------------------|-------------|-------------------------------------------------------------------------------------------------------|----|----|----|----|----|------|------|----|------|---------|------------|-------------------------------|----------------|------------------------|-----|
| SAE<br>(in.)     | ISO<br>(DN) |                                                                                                       |    |    |    |    |    |      |      |    |      | (metr.) | (unc.)     |                               |                | CF                     | SS  |
| 1/2              | 13          | 12S                                                                                                   | 8  | 18 | 16 | 60 | 57 | 17.5 | 38.1 | 36 | 9.0  | M 08×30 | 5/16×1 1/4 | 0.28                          | PAFG080/90M12S | 348                    | 348 |
| 1/2              | 13          | 15L                                                                                                   | 11 | 18 | 16 | 60 | 57 | 17.5 | 38.1 | 36 | 9.0  | M 08×30 | 5/16×1 1/4 | 0.33                          | PAFG080/90M15L | 348                    | 315 |
| 1/2              | 13          | 16S                                                                                                   | 12 | 18 | 16 | 60 | 57 | 17.5 | 38.1 | 36 | 9.0  | M 08×30 | 5/16×1 1/4 | 0.30                          | PAFG080/90M16S | 348                    | 348 |
| 3/4              | 19          | 16S                                                                                                   | 12 | 22 | 18 | 63 | 66 | 22.3 | 47.6 | 38 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.43                          | PAFG100/90M16S | 348                    | 348 |
| 3/4              | 19          | 20S                                                                                                   | 16 | 22 | 18 | 63 | 66 | 22.3 | 47.6 | 38 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.43                          | PAFG100/90M20S | 348                    | 348 |
| 3/4              | 19          | 22L                                                                                                   | 18 | 22 | 18 | 63 | 66 | 22.3 | 47.6 | 38 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.43                          | PAFG100/90M22L | 250                    | 160 |
| 1                | 25          | 20S                                                                                                   | 16 | 28 | 19 | 80 | 71 | 26.2 | 52.4 | 42 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.68                          | PAFG102/90M20S | 348                    | 348 |
| 1                | 25          | 25S                                                                                                   | 20 | 28 | 19 | 80 | 71 | 26.2 | 52.4 | 42 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.64                          | PAFG102/90M25S | 348                    | 348 |
| 1                | 25          | 28L                                                                                                   | 23 | 28 | 19 | 80 | 71 | 26.2 | 52.4 | 42 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.62                          | PAFG102/90M28L | 250                    | 160 |
| 1 1/4            | 32          | 25S                                                                                                   | 20 | 30 | 22 | 84 | 80 | 30.2 | 58.7 | 50 | 11.5 | M 10×40 | 7/16×1 1/2 | 1.15                          | PAFG104/90M25S | 278                    | 278 |
| 1 1/4            | 32          | 30S                                                                                                   | 25 | 30 | 22 | 84 | 80 | 30.2 | 58.7 | 50 | 11.5 | M 10×40 | 7/16×1 1/2 | 1.02                          | PAFG104/90M30S | 278                    | 278 |
| 1 1/4            | 32          | 35L                                                                                                   | 30 | 30 | 22 | 84 | 80 | 30.2 | 58.7 | 50 | 11.5 | M 10×40 | 7/16×1 1/2 | 0.94                          | PAFG104/90M35L | 278                    | 278 |
| 1 1/2            | 38          | 35L                                                                                                   | 30 | 36 | 25 | 88 | 94 | 35.7 | 69.9 | 58 | 13.5 | M 12×45 | 1/2×1 3/4  | 1.50                          | PAFG106/90M35L | 210                    | 210 |
| 1 1/2            | 38          | 38S                                                                                                   | 32 | 36 | 25 | 88 | 94 | 35.7 | 69.9 | 58 | 13.5 | M 12×45 | 1/2×1 3/4  | 1.50                          | PAFG106/90M38S | 210                    | 210 |
| 1 1/2            | 38          | 42L                                                                                                   | 36 | 36 | 25 | 88 | 94 | 35.7 | 69.9 | 58 | 13.5 | M 12×45 | 1/2×1 3/4  | 1.50                          | PAFG106/90M42L | 210                    | 210 |

#### 6000 PSI Series

|       |    |     |    |    |    |     |     |      |      |    |      |         |            |      |                |     |     |
|-------|----|-----|----|----|----|-----|-----|------|------|----|------|---------|------------|------|----------------|-----|-----|
| 1/2   | 13 | 12S | 8  | 20 | 16 | 60  | 57  | 18.2 | 40.5 | 36 | 9.0  | M 08×30 | 5/16×1 1/4 | 0.30 | PAFG401/90M12S | 420 | 420 |
| 1/2   | 13 | 14S | 10 | 20 | 16 | 60  | 57  | 18.2 | 40.5 | 36 | 9.0  | M 08×30 | 5/16×1 1/4 | 0.32 | PAFG401/90M14S | 420 | 420 |
| 1/2   | 13 | 16S | 12 | 20 | 16 | 60  | 57  | 18.2 | 40.5 | 36 | 9.0  | M 08×30 | 5/16×1 1/4 | 0.35 | PAFG401/90M16S | 420 | 420 |
| 3/4   | 19 | 16S | 12 | 26 | 19 | 68  | 71  | 23.8 | 50.8 | 41 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.53 | PAFG402/90M16S | 420 | 420 |
| 3/4   | 19 | 20S | 20 | 26 | 19 | 68  | 71  | 23.8 | 50.8 | 41 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.53 | PAFG402/90M20S | 420 | 400 |
| 3/4   | 19 | 22L | 23 | 26 | 19 | 68  | 71  | 23.8 | 50.8 | 41 | 11.0 | M 10×35 | 3/8×1 1/2  | 0.53 | PAFG402/90M22L | 250 | 160 |
| 1     | 25 | 20S | 16 | 30 | 24 | 83  | 80  | 27.8 | 57.2 | 50 | 13.0 | M 12×45 | 7/16×1 1/2 | 0.90 | PAFG403/90M20S | 420 | 400 |
| 1     | 25 | 25S | 20 | 30 | 24 | 83  | 80  | 27.8 | 57.2 | 50 | 13.0 | M 12×45 | 7/16×1 1/2 | 0.90 | PAFG403/90M25S | 420 | 400 |
| 1     | 25 | 28L | 23 | 30 | 24 | 83  | 80  | 27.8 | 57.2 | 50 | 13.0 | M 12×45 | 7/16×1 1/2 | 0.90 | PAFG403/90M28L | 250 | 160 |
| 1 1/4 | 32 | 25S | 20 | 36 | 25 | 97  | 94  | 31.8 | 66.6 | 58 | 15.0 | M 14×50 | 1/2×1 3/4  | 1.35 | PAFG404/90M25S | 420 | 400 |
| 1 1/4 | 32 | 30S | 25 | 36 | 25 | 97  | 94  | 31.8 | 66.6 | 58 | 15.0 | M 14×50 | 1/2×1 3/4  | 1.40 | PAFG404/90M30S | 420 | 400 |
| 1 1/4 | 32 | 35L | 30 | 36 | 25 | 97  | 94  | 31.8 | 66.6 | 58 | 15.0 | M 14×50 | 1/2×1 3/4  | 1.45 | PAFG404/90M35L | 250 | 160 |
| 1 1/2 | 38 | 35L | 25 | 41 | 26 | 110 | 106 | 36.5 | 79.3 | 65 | 17.0 | M 16×55 | 5/8×2 1/4  | 1.80 | PAFG405/90M35L | 250 | 160 |
| 1 1/2 | 38 | 38S | 32 | 41 | 26 | 110 | 106 | 36.5 | 79.3 | 65 | 17.0 | M 16×55 | 5/8×2 1/4  | 1.85 | PAFG405/90M38S | 315 | 315 |
| 1 1/2 | 38 | 42L | 36 | 41 | 26 | 110 | 106 | 36.5 | 79.3 | 65 | 17.0 | M 16×55 | 5/8×2 1/4  | 1.90 | PAFG405/90M42L | 250 | 160 |

<sup>2)</sup> L = light series; S = heavy series

Delivery without nut and ring.  
Information on ordering complete fittings  
or alternative sealing materials see page N11.

<sup>1)</sup> Pressure shown = Item deliverable

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

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

| Order code suffixes             |                                   |                               |                                                              |                                                            |                                                                  |
|---------------------------------|-----------------------------------|-------------------------------|--------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------|
| Material                        | Suffix<br>surface<br>and material | Example<br>only 4 bolt flange | Example<br>4 bolt flange<br>incl. metr. screws<br>and O-ring | Example<br>4 bolt flange<br>incl. UNC screws<br>and O-ring | Standard<br>sealing material<br>(no additional<br>suffix needed) |
| Steel, zinc plated, Cr(VI)-free | CF                                | PAFG080/90M12SCF              | PAFG080/90M12SOMDCFM                                         | PAFG080/90M12SOMDCFU                                       | NBR                                                              |
| Stainless steel                 | SS                                | PAFG080/90M12S-SS             | PAFG080/90M12SOMDSSM                                         | -                                                          | VIT                                                              |

