

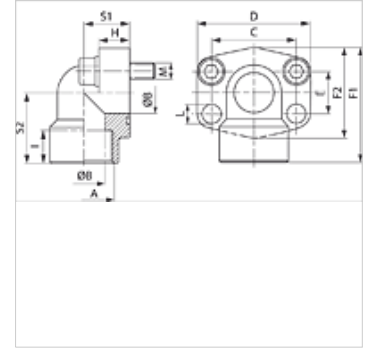
# AFS 90 N (6000 PSI)

SAE screw-in flange, NPT, angle 90°



## Properties

|                        |                         |
|------------------------|-------------------------|
| <b>Pressure series</b> | 6000 psi                |
| <b>Standard</b>        | SAE J 518 C<br>ISO 6162 |
| <b>Construction</b>    | Angle 90°               |
| <b>Design</b>          | SAE screw-in flange     |
| <b>Mounting</b>        | Screw bore hole         |
| <b>Scope of supply</b> | flange only             |
| <b>Material</b>        | S355J2G3 (ST52.3)       |
| <b>Surface</b>         | black oiled             |



## Note

The stated maximum working pressure relates to the flange. The actual working pressure is determined by the pipe (wall thickness) and the quality of the pipe.

Recommended screws are listed in the columns M (metr) and M (unc).

## Item

| Identification          | PB 10.9<br>(bar) | Size   | A            | Ø B<br>(mm) | C<br>(mm) | E<br>(mm) | F1<br>(mm) | H<br>(mm) | I<br>(mm) | S1<br>(mm) | S2<br>(mm) | L<br>(mm) | M metr.   | M unc          |
|-------------------------|------------------|--------|--------------|-------------|-----------|-----------|------------|-----------|-----------|------------|------------|-----------|-----------|----------------|
| <b>AFS 401/90 N</b>     | 400              | 1/2"   | NPT 1/2"     | 13          | 40,5      | 18,2      | 60         | 16        | 19        | 20         | 37         | 9,0       | M 8 x 30  | 5/16" x 1.1/4" |
| <b>AFS 401/90 N 038</b> | 400              | 1/2"   | NPT 3/8" -18 | 13          | 40,5      | 18,2      | 60         | 16        | 19        | 20         | 37         | 9,0       | M 8 x 30  | 5/16" x 1.1/4" |
| <b>AFS 402/90 N</b>     | 400              | 3/4"   | NPT 3/4" -14 | 19          | 50,8      | 23,8      | 70         | 19        | 20        | 28         | 43         | 11,0      | M 10 x 35 | 3/8" x 1.1/2"  |
| <b>AFS 403/90 N</b>     | 400              | 1"     | NPT 1"       | 25          | 57,2      | 27,8      | 85         | 21        | 22        | 34         | 51         | 13,0      | M 12 x 45 | 7/16" x 1.3/4" |
| <b>AFS 404/90 N</b>     | 400              | 1.1/4" | NPT 1.1/4"   | 32          | 66,7      | 31,8      | 95         | 25        | 25        | 38         | 56         | *1        | M 14 x 45 | 1/2" x 1.3/4"  |
| <b>AFS 405/90 N</b>     | 400              | 1.1/2" | NPT 1.1/2"   | 38          | 79,4      | 36,5      | 110        | 25        | 28        | 42         | 65         | 17,0      | M 16 x 50 | 5/8" x 2"      |

PN = Nominal pressure PB = Max. operating pressure

\*1) = 15.0 for metric screws; 13.5 for UNC screws

## Product versions

**AFS 90 N M (3000 / 6000 PSI)** SAE screw-in flange, NPT, angle 90°, with metric screw set and O-ring

**AFS 90 N U (3000 / 6000 PSI)** SAE screw-in flange, NPT, angle 90°, with UNC screw set and O-ring