



## 2 Type

- A** Sealing ring rubber NBR (Perbunan)  
**B** Sealing ring rubber FPM (Viton®)



| d <sub>1</sub> |          |         | d <sub>2</sub> h14 | d <sub>3</sub> | l <sub>1</sub> | l <sub>2</sub> | s  | max. permissible operating pressure in bar | recommended tightening torque in Nm |
|----------------|----------|---------|--------------------|----------------|----------------|----------------|----|--|-------------------------------------|
| M 8 x 1        | -        | -       | 12                 | 9,9            | 8              | 4              | 4  | 400  | 8                                   |
| M 10 x 1       | -        | G 1/8   | 14                 | 11,9           | 8              | 4              | 5  | 400  | 12                                  |
| M 12 x 1,5     | -        | -       | 17                 | 14,4           | 12             | 5              | 6  | 400  | 25                                  |
| M 14 x 1,5     | -        | G 1/4   | 19                 | 16,5           | 12             | 5              | 6  | 400  | 30                                  |
| M 16 x 1,5     | -        | G 3/8   | 22                 | 18,9           | 12             | 5              | 8  | 400  | 50                                  |
| M 18 x 1,5     | -        | -       | 24                 | 20,9           | 12             | 5              | 8  | 400  | 60                                  |
| M 20 x 1,5     | -        | -       | 26                 | 22,9           | 14             | 5              | 10 | 400  | 70                                  |
| M 22 x 1,5     | -        | -       | 27                 | 24,3           | 14             | 5              | 10 | 400  | 80                                  |
| -              | -        | G 1/2   | 27                 | 23,9           | 14             | 5              | 10 | 400  | 80                                  |
| M 24 x 1,5     | -        | -       | 30                 | 26,9           | 14             | 5              | 12 | 400  | 95                                  |
| M 26 x 1,5     | M 27 x 2 | G 3/4   | 32                 | 29,2           | 16             | 5              | 12 | 400  | 120                                 |
| M 30 x 1,5     | -        | -       | 37                 | 32,7           | 16             | 6,5            | 17 | 400  | 190                                 |
| -              | M 33 x 2 | G 1     | 40                 | 35,7           | 16             | 6,5            | 17 | 400  | 225                                 |
| -              | M 42 x 2 | G 1 1/4 | 50                 | 45,8           | 16             | 6,5            | 22 | 315  | 360                                 |
| -              | M 48 x 2 | G 1 1/2 | 55                 | 50,7           | 16             | 6,5            | 24 | 315  | 400                                 |

## Specification

- Steel
  - Tensile strength class 5.8
  - ultrasonically and tensile tested
  - zinc plated, nano-passivated (silver / yellowish)
- Type **A**
  - temperature resistant up to **100 °C**
  - Sealing ring rubber NBR (Perbunan)
- Type **B**
  - temperature resistant up to **180 °C**
  - Sealing ring rubber FPM (Viton®)
  - Identification by not black finish of the seal
- *Strength values of screws* → Page 1481
- *ISO-Fundamental tolerances* → Page 1479
- *Elastomer characteristics* → Page 1483
- **RoHS compliant**

## Information

The dimensions of the threaded plugs GN 749 comply with DIN 908, but deviating from the latter is the elastic sealing ring (rubber). This sealing ring is retained in a radial undercut in the mating face which prevents it from dropping out and in particular it does not extrude when the plug is tightened.

The details relating to the permissible operating pressure are non-binding recommended values and rule out any liability. They constitute no general warranty of quality and condition. The user must determine from case to case whether a product is suitable for the intended use.

see also...

- *Threaded plugs GN 908 (Steel, zinc plated)* → Page 1117

### How to order

GN 749-G<sup>1</sup>/<sub>4</sub>-A<sup>2</sup>

1 d<sub>1</sub>

2 Type