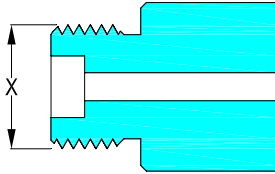


# German Standard DIN 477 Cylinder Valve Connections

Following is a summary of the German DIN 477 cylinder valve outlet fittings. The thread specifications are technically accurate, but the dimension 'X' is only shown as a reference dimension (thread I.D. or O.D.) that could be measured by someone with a cylinder in order to help determine what an unknown valve connection is. Connections with flat end sealing face require a soft sealing washer as part of the connection. Connections with angled sealing faces are intended to seal metal-to-metal, although an optional o-ring seal is possible on some connections. Teflon tape should not be used on the valve connection threads. (I.D. = inside diameter, O.D. = outside diameter)



## No. 1

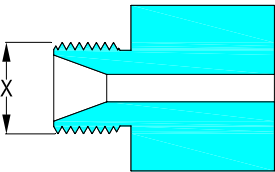
21.8mm LH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 21.8mm  
Gases: hydrogen, methane, ethylene, ethane, flammable mixtures

## No. 2

21.8mm LH External, 14 T.P.I.  
End face captive sealing o-ring, thread O.D. 21.8mm  
Gases: LPG, butane, propane

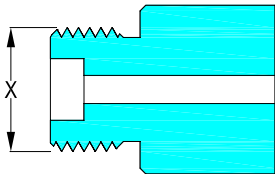
## No. 3

Special yoke  
Gases: acetylene



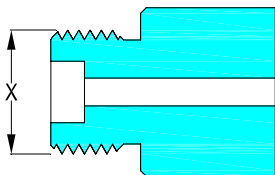
## No. 4

3/8" BSP LH External, 19 T.P.I.  
Internal angled sealing face, thread O.D. 16.5mm  
Gases: acetylene, LPG, butane, propane



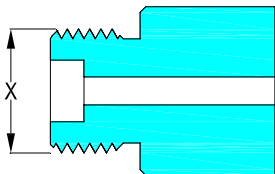
## No. 5

1" LH External, 8 T.P.I.  
Flat end sealing face, thread O.D. 25.4mm  
Gases: hydrogen, carbon monoxide, methyl mercaptan



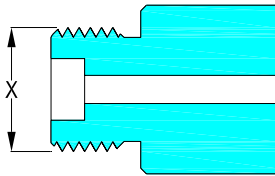
## No. 6

0.860" WHIT RH, 14 T.P.I.  
Flat end sealing face, thread O.D. 21.8mm  
Gases: argon, ammonia, carbon dioxide, helium, neon, non-flammable mixtures



## No. 7

5/8" BSP RH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 22.8mm  
Gases: sulphur dioxide

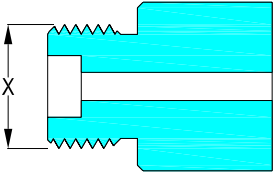


**No. 8**

1" RH External, 8 T.P.I.

Flat end sealing face, thread O.D. 25.4mm

Gases: Chlorine

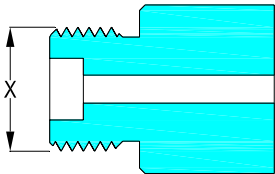


**No. 9**

3/4" BSP RH External, 14 T.P.I.

Flat end sealing face, thread O.D. 26.3mm

Gases: oxygen

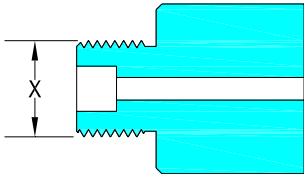


**No. 10**

24.32 RH External, 14 T.P.I.

Flat end sealing face, thread O.D. 24.3mm

Gases: nitrogen

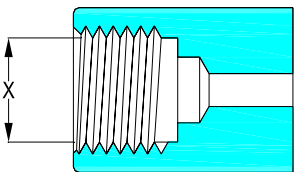


**No. 11**

3/8" BSP RH External, 14 T.P.I.

Flat end sealing face, thread O.D. 16.5mm

Gases: dinitrogen monoxide

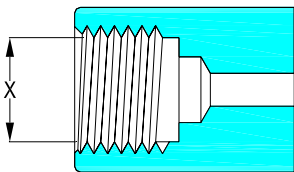


**No. 12**

3/4" BSP RH Internal, 14 T.P.I.

Flat inner sealing face, thread I.D. 24.1mm

Gases: dinitrogen monoxide

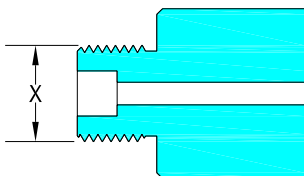


**No. 13**

5/8" BSP RH Internal, 14 T.P.I.

Flat inner sealing face, thread I.D. 21.0mm

Gases: air



**No 14**

3/8" BSP LH External, 14 T.P.I.

Flat end sealing face, thread O.D. 16.5mm

Gases: test gases