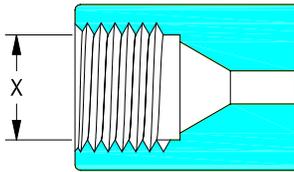


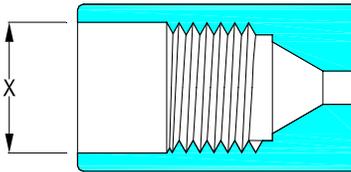
# Australian Standard AS2473.2 Cylinder Valve Connections

Following is a summary of the Australian AS2473.2 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)



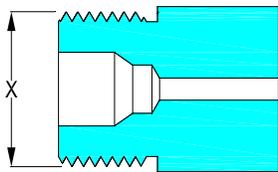
## TYPE 10

5/8" BSP RH Internal, 14 T.P.I.  
Internal angled sealing face, thread I.D. 21.0mm  
Gases: oxygen, helium, argon, non-flammable non-toxic mixtures



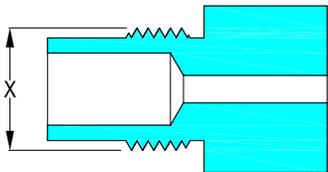
## TYPE 11

5/8" BSP RH Internal, 14 T.P.I.  
Internal angled sealing face, internal recess diameter 23.5 – 24.0mm  
Gases (up to 25,000 kPa): oxygen



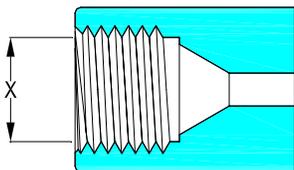
## TYPE 16

1.103" NGO RH External, 14 T.P.I.  
Internal angled sealing face, thread O.D. 27.9mm, centre hole 13.3mm x 10.2 deep  
Gases (up to 31,500 kPa): oxygen



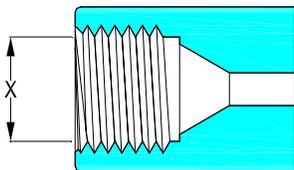
## TYPE 17

W21.8 RH External, 14 T.P.I.  
Internal angled sealing face, thread O.D. 21.8mm, centre hole 13.3mm x 22mm deep  
Gases: oxygen



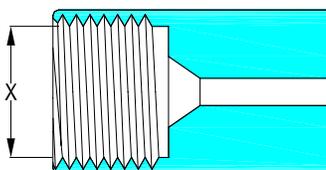
## TYPE 20

5/8" BSP LH Internal, 14 T.P.I.  
Internal angled sealing face, thread I.D. 21.0mm  
Gases: acetylene, carbon monoxide, ethane, ethylene, hydrogen, methane, flammable gases, flammable non-toxic mixtures



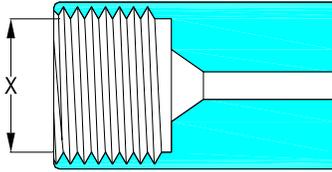
## TYPE 21

0.885" NGO LH Internal, 14 T.P.I.  
Internal angled sealing face, thread I.D. 21.0mm  
Gases: LPG, butane, propane, propylene



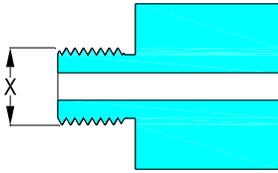
## TYPE 22

1.045" NGO LH Internal, 14 T.P.I.  
Internal angled sealing face, thread I.D. 24.6mm  
Gases (up to 31,500 kPa): hydrogen, methane



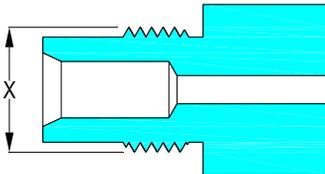
**TYPE 23**

1.125" NGO LH Internal, 14 T.P.I.  
Internal angled sealing face, thread I.D. 26.6mm  
Gases (up to 31,500 kPa): hydrogen, methane



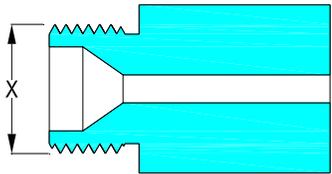
**TYPE 24**

1/4" BSP LH External, 19 T.P.I.  
Flat end sealing face, thread O.D. 13.0mm  
Gases: flammable gases, flammable non-toxic mixtures



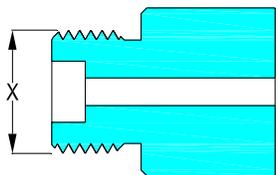
**TYPE 25**

W21.8 LH External, 14 T.P.I.  
Internal angled sealing face, thread I.D. 21.8mm, centre hole 10.0mm x 22mm deep  
Gases: acetylene



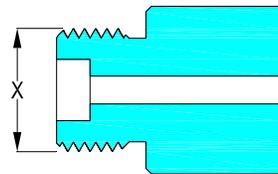
**TYPE 26**

0.903" NGO LH External, 14 T.P.I.  
Internal angled sealing face, thread O.D. 22.9mm, centre hole 15.0mm x 5.6mm deep  
Gases: LPG (liquid withdrawal only)



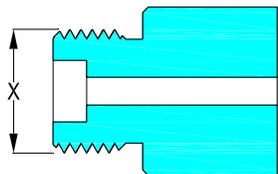
**TYPE 30**

0.860" WHIT RH, 14 T.P.I.  
Flat end sealing face, thread O.D. 21.8mm  
Gases: carbon dioxide, nitrous oxide



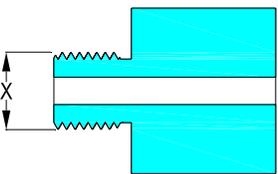
**TYPE 31**

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



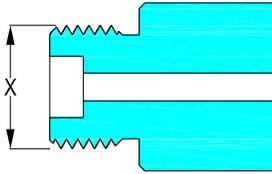
**TYPE 32**

1/2" BSP RH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 20.8mm  
Gases: ammonia, sulphur dioxide

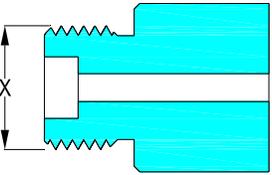


**TYPE 33**

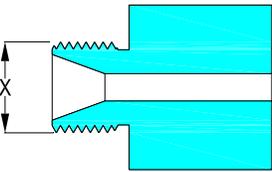
1/4" BSP RH External, 19 T.P.I.  
Flat end sealing face, thread O.D. 13.0mm  
Gases: non-flammable non-toxic mixtures

**TYPE 34**

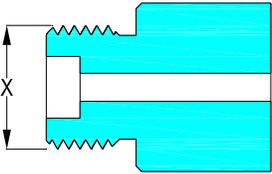
3/4" BSP RH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 26.3mm  
Gases: refrigerant gases

**TYPE 40**

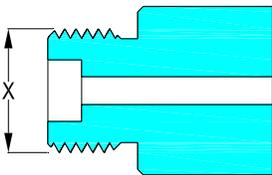
5/8" BSP LH, External 14 T.P.I.  
Flat end sealing face, thread O.D. 22.8mm  
Gases: Cyanogen, ethylene oxide, hydrogen cyanide, vinyl chloride

**TYPE 41**

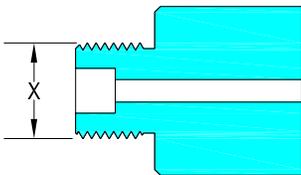
3/8" BSP LH External, 19 T.P.I.  
Internal angled sealing face, thread O.D. 16.5mm  
Gases: LPG, butane, propane, propylene

**TYPE 42**

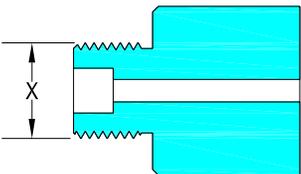
1/2" BSP LH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 20.8mm  
Gases: Ethylamine, ethylene oxide, methylamine

**TYPE 43**

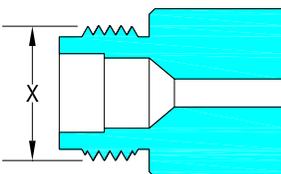
0.825" NGO LH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 20.8mm  
Gases: hydrogen bromide, hydrogen chloride, hydrogen sulphide, methyl mercaptan

**TYPE 44**

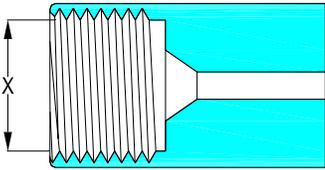
3/8" BSP RH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 16.5mm  
Gases: non-flammable toxic mixtures

**TYPE 45**

3/8" BSP LH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 16.5mm  
Gases: flammable toxic mixtures

**TYPE 50**

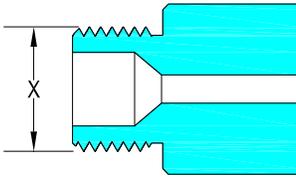
W24x2 RH External, 14 T.P.I.  
Internal angled sealing face, thread O.D. 24.0mm, 1<sup>st</sup> centre hole 13.3mm x 8.1mm deep  
Gases: nitrogen, neon, krypton, xenon, nitrogen/carbon dioxide mixtures  
non-flammable non-toxic non-oxidising mixtures

**TYPE 51**

1.045" NGO RH Internal, 14 T.P.I.

Internal angled sealing face, thread I.D. 24.6mm

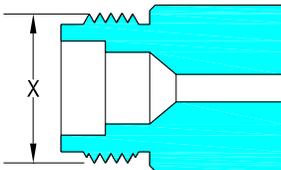
Gases (up to 31,500 kPa): argon, helium, nitrogen, neon, krypton, xenon

**TYPE 52**

1.030" NGO LH External, 14 T.P.I.

Internal angled sealing face, thread O.D. 26.0mm, centre hole 15.00mm x 7.1mm deep

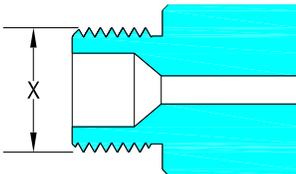
Gases (up to 42,500 kPa): argon, helium, nitrogen, neon, krypton, xenon

**TYPE 60**

W27x2 RH External, 14 T.P.I.

Internal angled sealing face, thread O.D. 27.0mm, 1<sup>st</sup> centre hole 18.2mm x 8.1mm deep

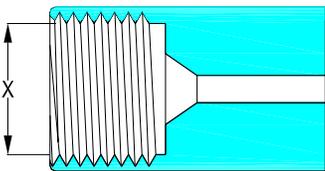
Gases: air

**TYPE 61**

0.825" NGO RH External, 14 T.P.I.

Internal angled sealing face, thread O.D. 20.8mm, centre hole 12.8mm x 12.1mm deep

Gases (up to 31,500 kPa): air

**TYPE 62**

1.125" NGO RH Internal, 14 T.P.I.

Internal angled sealing face, thread I.D. 26.6mm

Gases (up to 42,500 kPa): air