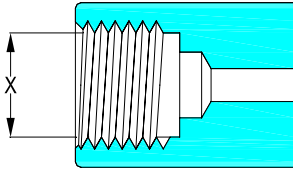


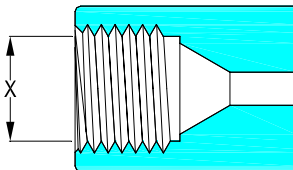
# British Standard BS341.3 Cylinder Valve Connections

Following is a summary of the British BS341.3 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)



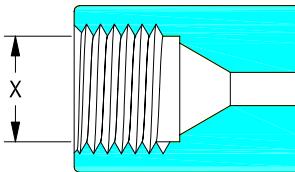
## BS No 1

3/4" BSP RH Internal, 14 T.P.I.  
Flat inner sealing face, thread I.D. 24.1mm  
Gases: acetylene (special marine)



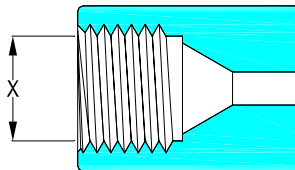
## BS No 2

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, propane, butane



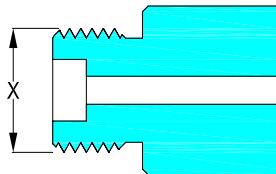
## BS No 3

5/8" BSP RH Internal, 14 T.P.I.  
Internal angled sealing face, thread I.D. 21.0mm  
Gases: oxygen, helium, air, argon, nitrogen, neon, krypton, xenon



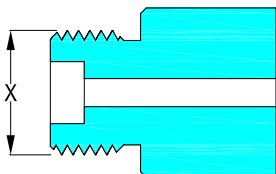
## BS No 4

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, propane, butane



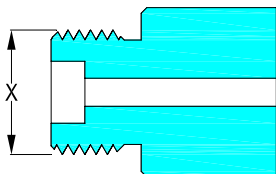
## BS No 6

5/8" BSP RH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 22.8mm  
Gases: phosgene, hydrogen chloride, cyanogens, chlorine



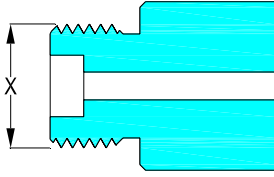
## BS No 7

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



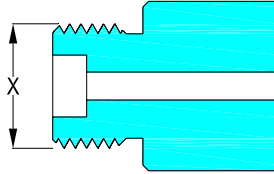
## BS No 8

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



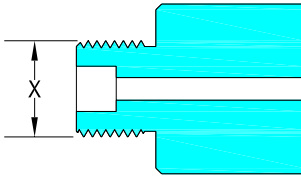
**BS No 10**

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



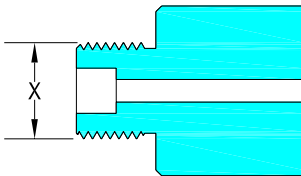
**BS No 11**

1/2" BSP LH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 20.8mm  
Gases: dimethylamine, monoethylamine, trifluoromethyl chloride



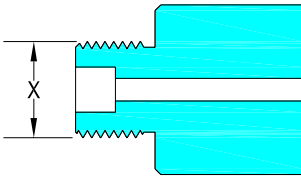
**BS No 13**

11/16" BSP RH External, 20 T.P.I.  
Flat end sealing face, thread O.D. 17.4mm  
Gases: nitrous oxide



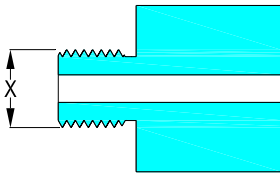
**BS No 14**

3/8" BSP RH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 16.5mm  
Gases: nitric oxide, nitrogen dioxide, nitrogen trifluoride



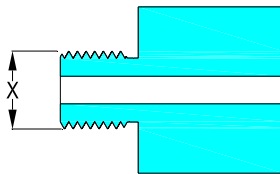
**BS No 15**

3/8" BSP LH External, 14 T.P.I.  
Flat end sealing face, thread O.D. 16.5mm  
Gases: carbonyl sulphide, hydrogen sulphide, trichlorosilane



**BS No 16**

1/4" BSP RH External, 19 T.P.I.  
Flat end sealing face, thread O.D. 13.0mm  
Gases: sulphur dioxide (small cylinders)



**BS No 17**

1/4" BSP LH External, 19 T.P.I.  
Flat end sealing face, thread O.D. 13.0mm  
Gases: chloromethane (small cylinders)