Mated angle seat with O-ring

This type of seal is found on BSP and SAE female fittings. A milled seat is machined on the inside bore of the seat. Male O-ring couplings have a female seat and a male O-ring seal. The connection is made by putting the O-ring seal on the port. The male O-ring boss couplings have a male seat and a female O-ring seal. This type of seal is found on BSP and DIN terminations. The female has a flat face with a groove to accept the O-ring. The connection is made by putting the O-ring seal on the port. Both O-ring face seals require the O-ring to be installed after the male coupling has been seated.

O-ring face seal

This type of seal is found on BSP and SAE female fittings. A milled seat is machined on the inside bore of the seat. Male O-ring couplings have a female seat and a male O-ring seal. The connection is made by putting the O-ring seal on the port. The male O-ring boss couplings have a male seat and a female O-ring seal. This type of seal is found on BSP, British Standard Pipe Tapered and INverted Flare terminations. O-ring boot couplings have no threads but do have a flat face seal. These couplings are:

- Standard Pipe Parallel (BSPP)
- JIC, SAE, JIS, Komatsu, DIN, Mechanical (NPSM), British Metric Stand Pipe, Inverted Flare and Kobelco.