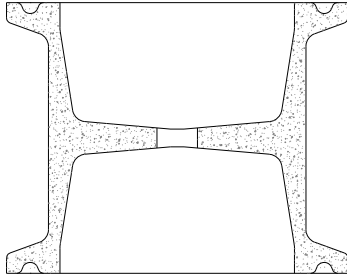
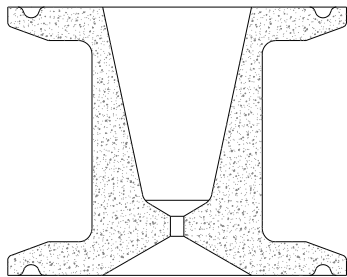


Orifice Plate Spools and Orifice Plate Gaskets

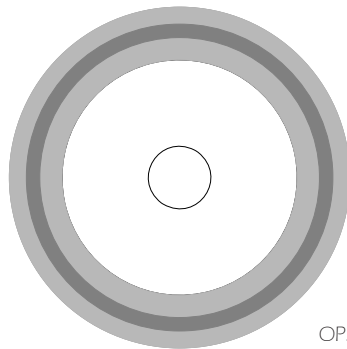
OP-TB
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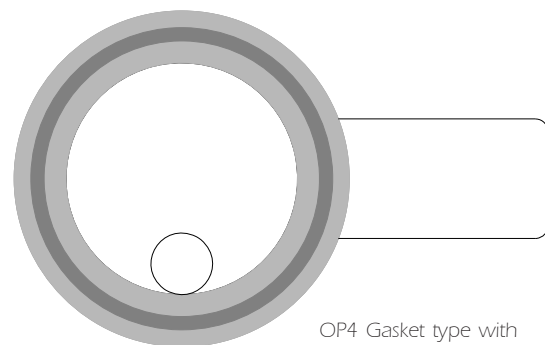
OP1 design



OP2 design



OP3 Gasket type with concentric hole



OP4 Gasket type with tab and eccentric hole

Orifice Plate Spools and Orifice Plate Gaskets

Staitech offer a number of orifice plate spools and orifice plate gaskets for use in flow and pressure control applications.

The OP1 and OP2 designs are machined from 316L material. Whilst the OP2 design ensures smooth flow transition and optimum drainability, the OP1 'sharp edged' design allows easier modelling using standard orifice sizing formulae.

As an alternative to the 'spool' designs, Staitech also offer a wide range of orifice plate gaskets comprising seals with removable plate(OP3) and solid moulded gaskets(OP5). Removable plate gaskets are also available with an extended tab which can be marked with product identification information(OP4).

All orifice plate designs can be supplied pre-drilled to any specific customer requirement. OP1 units and all types of orifice plate gaskets can also be machined with an eccentric hole for use in horizontal applications. All designs are also available un-drilled.

Material certification is available for all types. Orifice plate gasket materials are FDA and USP Class VI compliant.

Product specification

Sizes	1/2" - 4"
To suit	ASME BPE clamp fittings

Materials of construction:

OP1 & OP2 spool type	316L Stainless steel
OP3 & OP4 gasket type:	
Plate	316 Stainless steel
Seal	EPDM, Viton or Platinum cured Silicone
OP5 moulded gasket type	PTFE or TUF-STEEL

Maximum operating temperature:

OP1 & OP2	To match system gasket rating
OP3 & OP4:	
EPDM	135°C
Viton	204°C
Silicone	232°C
OP5:	
PTFE	232°C
TUF-STEEL	260°C

Surface finishes:

OP1, OP2, OP3 & OP4	0.4 microns Ra
OP5	0.5 microns Ra

Face-face dimension - OP1 & OP2:

1/2" - 2"	40mm
2-1/2 - 4"	50mm

OP3 & OP4 plate thickness	0.9mm
OP3, OP4 & OP5 gasket thickness	2.0mm

Options: Concentric and eccentric drilling. Engraving of tab information. Various clamp designs to suit tabbed orifice plate gaskets. Wafer type orifice plates for DIN and ANSI flanges in stainless steel and PTFE materials.

Specification subject to change without notice