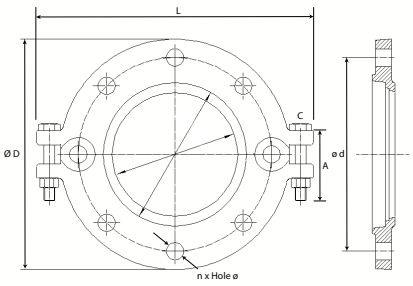
TECHNICAL DATASHEET

GROOVED SPLIT ADAPTER FLANGE | GSF16

Size range: 2" - 10"
PN 16 (EN1092-2)

FM APPROVED

UL







Grooved split adapter flanges allow the connection between flanged and grooved end equipment.

Reference		Nominal size		Pipe Ø O.D.	Grooved split flange dimensions (PN16, EN 1092-2)							Weight	Marking
Red	Galva	NPS inch	DN mm	mm	L mm	Ø D mm	Ø d mm	Thickness	Holes n	Hole Ø mm	Bolt size	kg	
GSF16R	-	1½	40	48,3	200	150	110	23,5	4	18	M16	1,14	GSFY16
GSF16R	GSF16G	2	50	60,3	210	165	125	25	4	18	M16	1,64	XGQT09
GSF16R	GSF16G	2½	65	73,0	240	182	145	25	4	18	M16	2,16	XGQT09
GSF16R	GSF16G	2½	65	76,1	240	182	145	25	4	18	M16	2,11	XGQT09
GSF16R	GSF16G	3	80	88,9	250	194	160	25	8	18	M16	2,54	XGQT09
GSF16R	GSF16G	4	100	108,0	266	216	180	25	8	18	M16	2,48 [1]	XGQT09
GSF16R	GSF16G	4	100	114,3	266	216	180	25	8	18	M16	2,60	XGQT09
GSF16R	GSF16G	5	125	133,0	300	247	210	25	8	18	M16	3,59 [1]	XGQT09
GSF16R	GSF16G	5	125	139,7	300	247	210	25	8	18	M16	2,87	XGQT09
GSF16R	GSF16G	5	125	141,3	300	247	210	25	8	18	M16	2,97	XGQT09
GSF16R	GSF16G	6	150	159,0	336	282	240	25	8	22	M20	3,63 [1]	XGQT09
GSF16R	GSF16G	6	150	165,1	336	282	240	25	8	22	M20	3,52	XGQT09
GSF16R	GSF16G	6	150	168,3	336	282	240	25	8	22	M20	4,19	XGQT09
GSF16R	GSF16G	8	200	219,1	395	335	295	25	12	22	M20	5,61	XGQT09
GSF16R	GSF16G	10	250	273,0	470	405	355	25	12	26	M24	7,84 [1]	XGQT09

[1] No FM- and UL-approval.

Material specifications

Housing: ductile iron conform to ASTM A536 Grade 65-45-12.

Coating: red paint coating RAL 3000, EPD epoxy coating (any other colour on request).

Bolts and nuts: medium carbon steel, zinc electroplated, quenched and tempered.

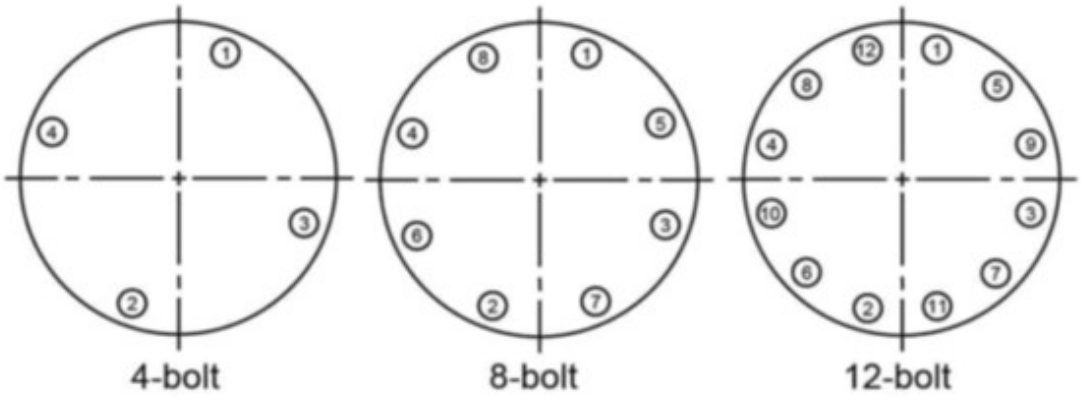
Rubber gasket: EPDM gaskets dispose of the international certifications and have undergone the aging test at 110°C / 230°F during a period of 45 days / 1080 hours and the frozen test at -40°C / -40°F during a period of 4 days / 96 hours.

Working pressure

2,07 MPa / 20,7 bar / 300 psi

BOLT TORQUE SEQUENCE

(Bolt N°1 is the bolt closest to biggest gap between the 2 flanges)



Our advice =

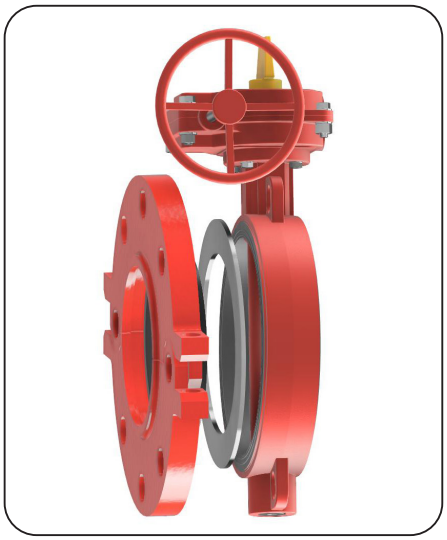
- STEP 1 = 30%
- STEP 2 = 60%
- STEP 3 = 100%

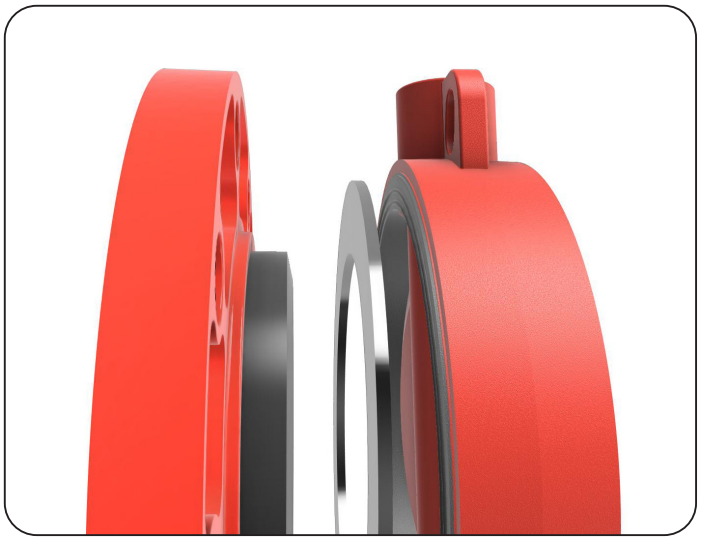
BOLT TORQUE = depends on gasket type used and bolt material grade.

Optional item

Ring GSF

When installing GSF against a rubber facing (rubber lined piping, rubber faced flange, wafer butterfly with rubber facing) there is the need of installing an extra insertion steel ring type RING GSF.





GENERAL INFO

- Installers should be trained or experienced to install and understand the product.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit piping products.
- Depressurise and drain the sprinkler installation system before attempting to install, remove or adjust any Profit piping products.
- Never work on piping-systems that are pressurized and /or filled with water.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes and goggles, Profit gloves).



- Profit reserves the right to change specifications, designs and/or standard equipment without notice and without incurring in any obligations.
- Profit red coated products are intended for piping with indoor application (EN 12944-2 corrosivity category C1 & C2). For outdoor installations near the sea (corrosivity category C3) we advise the use of our hot dip galvanised couplings and fittings. For application in corrosivity category C4 (higher salinity climate) or higher, please contact info@pipinglogistics.eu.
- Pressure ratings listed for fire sprinkler applications are CWP (cold working pressure) or MWP (maximum working pressure) at a maximum service temperature of 66°C. This rating may occasionally differ from maximum working pressure listed and / or approved by UL and / or FM, as testing conditions and test pipes can differ. For more information, please contact info@pipinglogistics.eu.
- Maximum working pressure listed is the total of internal and external pressures based on standard weight (ANSI) steel pipe and standard roll or cut groove in accordance with Profit specifications. For more information, please contact info@pipinglogistics.eu.
- For one time field test only, the maximum joint working pressure may be increased by 150% the figure shown.

Failure to follow these instructions could result in death or serious injury and property damage.

We advise to always store our products in closed and dry environments, the products do not need any specific maintenance once installed on an aboveground sprinkler installation.

REVISION TABLE

Date	△	Notes
18/06/2024	A	Page 2 - Addition of an optional item.
03/06/2025	B	Page 2 - Working pressure completed.
29/10/2026	C	Page 1 - Addidion of size 1½" in red.