

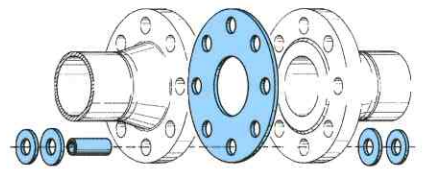
Flange insulations and seals



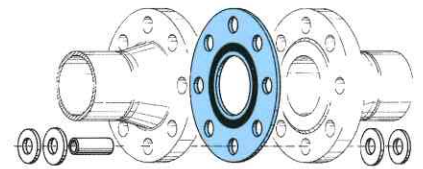
In brief...

Flange insulations are used to electrically isolate any kind of flanged couplings and may also be used to separate dissimilar materials. Existing flanged couplings may also be quickly fitted without modifications.

Models :



Flange insulations can be supplied in complete set or per piece.



Gasket seals are also available in complete set or separately.

Flange insulating sets

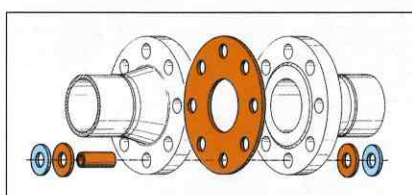


SGM flange insulating sets consist of :

- a 3 mm thick gasket
- insulating sleeves
- insulating washers
- steel washers (for special executions)

Type E

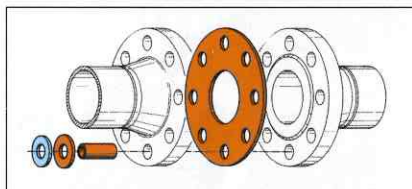
Gasket seal's outside diameter is the same as the flange's outside diameter : bolts and insulating sleeves pass through the gasket seal.
A positive electric isolation is then possible.



3 models available :

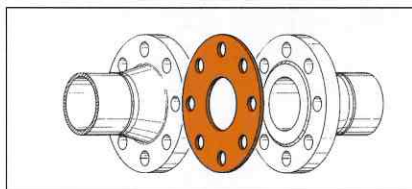
1-Model SD :

both sides are fitted out with **one insulating washer and one steel washer.**



2-Model SE :

one side is fitted out with **one insulating washer and one steel washer.**

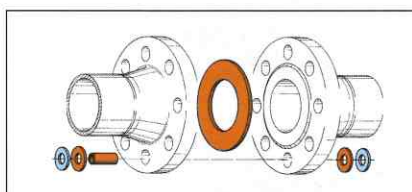


3-Model E :

no sleeves and **no insulating washers.**

Type F

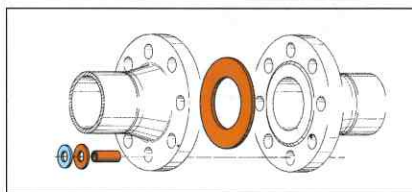
The gasket seal's outside diameter borders on the inner diameter of the circle of bolts.



3 models available :

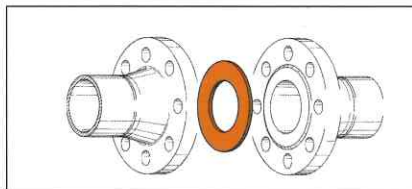
1-Model SD :

both sides are fitted out with **one insulating washer and one steel washer.**



2-Model SE :

one side is fitted out with **one insulating washer and one steel washer.**



3-Model E :

Without sleeves and **without insulating washers.**

Delivery time

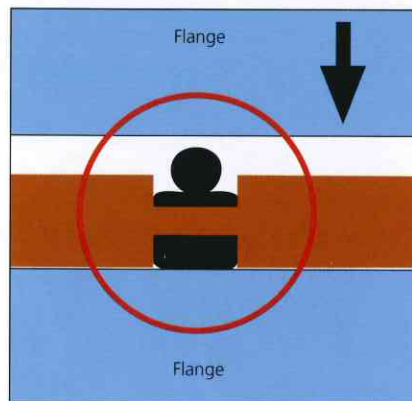
Models : E, SD, DN 50-400 PN 10 + 16 : from stock.
All other models : 1 to 3 weeks (depends on the type).

Gasket seal sets



Gasket seals function on the same principle as O-ring seals. They provide a positive sealing due to their rubber sealing element moulded in a groove on both sides of the phe-

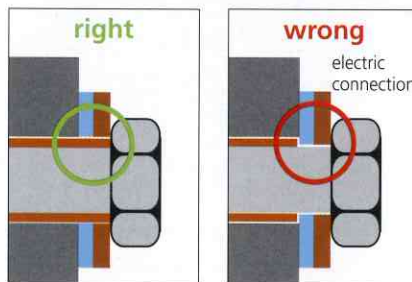
nolic retainer. SGM gasket seals may be removed and reinstalled several times, their durability is almost unlimited.



Models

Available in the types E and F, in the models SD, SE and simple (see page on the left). Thickness : 3 mm.

Separate parts for flange insulations



Insulating and steel washers :

Washers inside diameter is enlarged so the insulating sleeves can go through providing a complete electric isolation.

Insulating washers :

- Made of high strength phenolic HGW 2372, according to DIN 7735. Available in 3, 2 and 1 mm thick (Standard thickness : 3 mm).
- Made of 3 mm hard PVC (only for minor applications).

Insulating sleeves :

- Made of spiral wound Mylar, heat-contracting up to +180° C.
- For high temperatures up to +400° C, made of Kapton (no thermoretractable polyamid).
- Available in one meter long rods or in your requested length (additional charge).



Delivery time

Models E, SD, DN 50-400 PN 10 + 16 : from stock.
All other models : 1 to 3 weeks (depending on the type).

Flange insulations

Can be provided in all national and international flange standards :
DIN, ANSI, API, BS, MSS-SP, etc...

Gasket materials

Material B (standard)

Neoprene faced phenolic 2061 according to DIN 7735.

Recommended max. temperature for continuous use : +80° C;
up to 110° C for short periods. Not suitable for drinking water.

Available for all sizes up to max. 1200 mm outside diameter :
DN 900 type E, DN 1000 type F according to DIN 2632 and DIN 2633.

Red Devil JM 940

Asbestosfree material (IT) resistant to continuous working temperature
up to 320° C.

Available in all sizes up to 3200 mm outside diameter.

EPDM

6 mm thick rubber, suitable for drinking water specifications and resistant to
a continuous working temperature up to 90° C and up to 110° C for short
periods. Available in all sizes up to 3200 mm outside diameter.

Gasket seals

Can be provided in all national and international standards :
DIN, ANSI, API, BS, MSS-SP, etc...

Gasket seal materials

Made of phenolic laminate 2061 according to DIN 7735, they are fitted out
with a nitrile rubber, oil-resistant sealing ring. Temperature strength up to
110° C for continuous use. For higher temperatures or corrosive liquids or
gases, special types can be supplied (for example in Epoxy, Viton, etc...).

Available up to 1200 mm outside diameter.

RTJ flanges

Pressed phenolic insulating washers (similar to glass-fabric laminate
DIN 7735) are also available for RTJ flanges.

Sizes and prices on request.