Dielectric insulating gasket-bolts kit
Series C4 70

The kit creates an electrical breaking point.

Description

- A central insulating gasket in bakelized fabric, 3 mm thick (thickness 6 mm starting from DN 1200).
- Two seals made of KLINGERSIL® C-4324 thickness 1.5 mm.
- Two insulating tubes in bakelized paper.
- Double peripheral insulating washers in bakelized fabric thickness 6 mm (4 mm up to DN 125).
- Galvanized steel bolting Cl.8.8 or A4 (A2 bolting on request). The kit contains, according to DN, screws or threaded rods.

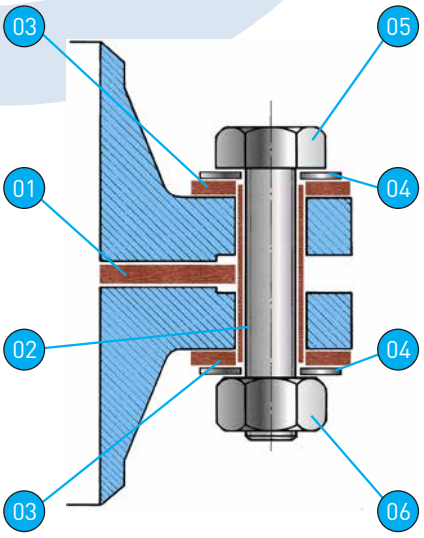
Technical data

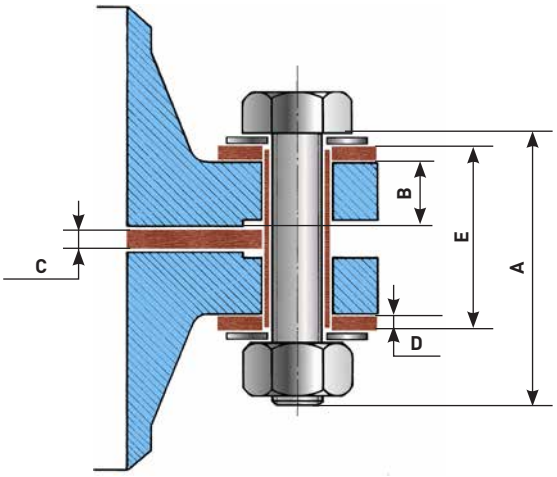
- Range: DN 50 to 600 (larger DN on request).
- PN 10 and 16 (higher PN on request).
- Central gasket in bakelized canvas:
  - Breaking on compression 24 daN/mm2.
  - Dielectric strength 5 kV.
  - Insulation resistance 10/6 Ohm.
- Insulating tubes in bakelized paper:
  - Dielectric strength 8.3 kV/mm.
  - The maximum working temperature of insulating kits is 80°C with an average insulation voltage of 2.5 kV.

Applications

Flange connection as an electrical breaking point to prevent contact corrosion. Transforming existing flanged connections into electrical breaking points does not require mechanical modifications to the connection.

Dielectric Insulating Gasket-Bolts Kit





Item	Description	Qty	Materials	Standards
01	Gasket	1	Bakelized canvas 3T laminated with 2 Klinger-Sil seals	DIN HGW2082
02	Tube	Nb according to DN	Bakelized paper	DIN HP2065
03	Washer	Nb according to DN	Bakelized paper	DIN HP2065
04	Washer	Nb according to DN	Galvanized steel or A4 stainless steel according to design	
05	Screw	Nb according to DN	Galvanized steel Cl.8.8 or A4-70 stainless steel according to design	
06	Nut	Nb according to DN	Galvanized steel Cl.8.8 or A4-70 stainless steel according to design	

Dimensional table

DN	PN	Threaded screw [A]	Length A mm	Flanges [B] B mm	Insulating gasket C mm	Insulating washer D mm	Barrel length E mm
40	16	M14	80	18	6	4	51
50	16	M14	80	20	6	4	53
60	16	M14	80	20	6	4	54
65	16	M14	80	20	6	4	54
80	16	M14	80	22	6	4	54
100	16	M14	80	24	6	4	56
125	16	M14	90	26	6	4	58
150	16	M18	100	26	6	6	64
200	10	M18	100	32	6	6	67
200	16	M18	100	32	6	6	69
300	10	M18	110	32	6	6	76
300	16	M22	150	32	6	6	82
350	10	M18	120	36	6	6	83
350	16	M22	150	36	6	6	88
400	10	M22	150	38	6	6	88
400	16	M24	160	38	6	6	94
450	10	M22	160	40	6	6	95
450	16	M24	170	40	6	6	101
500	10	M22	160	42	6	6	100
500	16	M27	180	42	6	6	108
600	10	M24	180	48	6	6	111
600	16	M30	210	48	6	6	124

[A]: In some cases, screws are replaced by threaded rods.

[B]: Flange thickness according to standard EN 1092-2 Type 21 (Built-in flange).
Cast iron flanges dimensions
In case you use loose flanges, please consult.

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Tél. + 33 (0)4 37 44 24 24 - www.bayard.fr