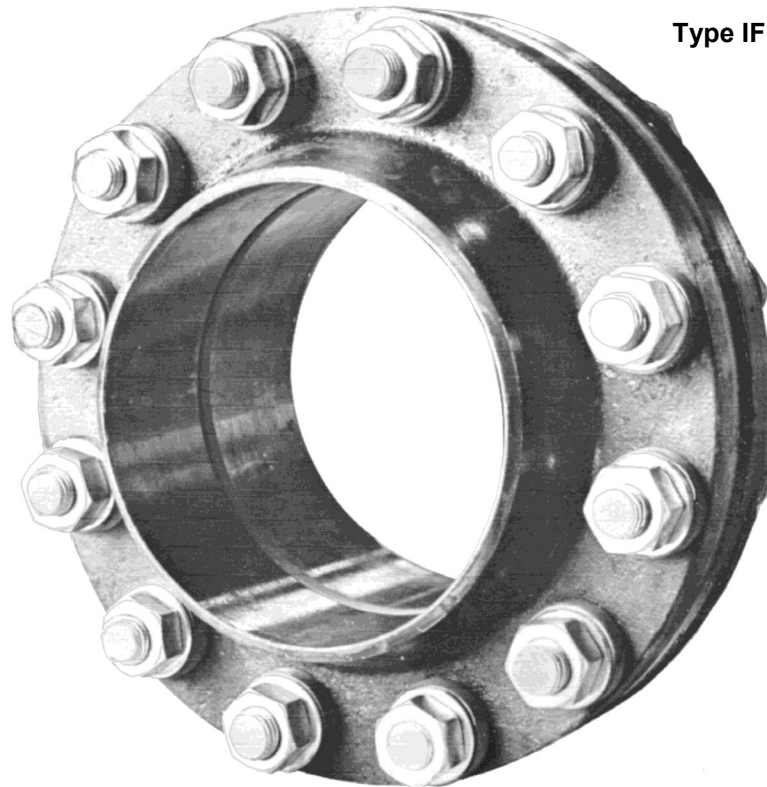


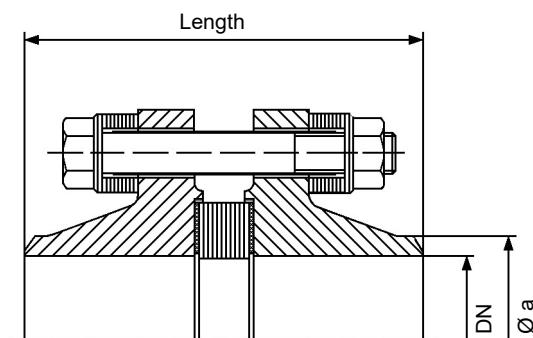
INSULATING FLANGES



Type IF

- COBALCH insulating flange sets are rigid flange connections with electrical isolation for pipelines.
- For welding into the pipeline system, they must be dismantled in order to protect insulating sections and seals against damage which could result from heat when welding.
- Each bolted connection must be checked and, if necessary, retightened by the customer prior to commencement of operation.
- The Seal is made from 20 mm Epoxy Fiberglass Type GGr. Insulating discs made from Epoxy Fiberglass EP11 in 8 mm, nuts and washers in acid-proof steel AISI 316. Sleeves in Mylar.
- All flange standards can be taken as a basis for the flanges.
- We are also able to supply ex-proof spark gaps.

**Insulating flanges
Type IF
PN 10 - PN 16**



Type IF		PN 10		PN 16	
Indvendig diameter mm	Rørforbin- DIN mm	Længde mm	Vægt kg	Længde mm	Vægt kg
25	33,7	94	3,0	94	3,0
32	42,4	98	4,5	98	4,5
40	48,3	102	5,0	102	5,0
50	60,3	108	6,4	108	6,4
65	76,1	108	7,5	108	7,5
80	88,9	118	8,6	118	8,6
100	114,3	122	12,0	122	12,0
125	139,7	128	15,5	128	15,5
150	168,3	128	18,5	128	18,5
200	219,1	142	27,0	142	29,0
250	273,0	154	36,0	158	41,5
300	323,9	174	42,0	174	55,0

- Insulating flange for electrical insulation by cathodic protection.
- Suitable for crude oil, mineral oil, gasoline, kerosene, propane, butane, coal gas, natural gas and many other media up to maximum operating temperatures of -60° up to $+ 150^{\circ}\text{C}$.
- Larger nominal bores and higher pressure ratings on request.

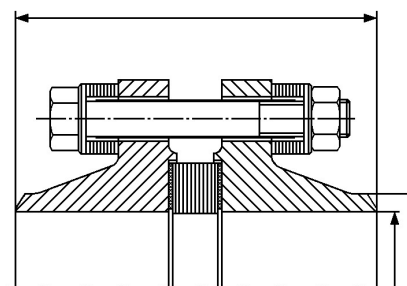
**Insulating flanges
Type IF
PN 10 - 100 flanges acc. DIN**

Type IF			PN 25		PN 40	
Indv. diameter "	mm	Rørforb. DIN mm	Længde mm	Vægt kg	Længde mm	Vægt kg
1	25	33,7	97	3,3	97	3,3
1 1/4	32	42,4	101	5,0	101	5,0
1 1/2	40	48,3	107	5,9	107	5,9
2	50	60,3	113	7,0	113	7,0
2 1/2	65	76,1	121	9,8	121	9,8
3	80	88,9	133	12,1	133	12,1
4	100	114,3	147	17,4	147	17,4
5	125	139,7	153	24,8	153	24,8
6	150	168,3	167	30,6	167	30,6
8	200	219,1	177	44,4	193	57,5
10	250	273,0	193	63,5	228	90,0
12	300	323,9	201	82,0	248	128
14	350	355,6	217	117	268	173
16	400	406,4	237	153	288	242
20	500	508,0	268	218	298	273
24	600	609,6	268	261		305
28	700	711,2	268	340		
32	800	812,8	288	486		

- Larger nominal diameters on request.
- Suitable for crude oil, mineral oil, gasoline, kerosene, propane, butane, coal gas, natural gas and many other media up to maximum operating temperatures of -60° up to +150°C (special versions also for higher temperatures).
- Please specify the pipe connection dimensions and connection material when inquiring.
- Two standard flanges, insulating sections, bolts, nuts, washers and seals are always included in the standard scope of delivery.
- Insulating sets (not including flanges) are available, also in accordance with other valid standards.
- The materials are selected and the products manufactured on the basis of the intended application in according to the technical regulations or other specific ordering data.

**Insulating flanges
Type IF
ANSI 150 - 600 flanges acc. ANSI B16.5**

Type IF			ANSI 150		ANSI 300		ANSI 600	
Indv. diameter	Rørforb.		Længde	Vægt	Længde	Vægt	Længde	Vægt
"	mm	ISO mm	mm	kg	mm	kg	mm	kg
1	25	33,7	130	3,0	142	4,8	142	5,2
1 1/4	32	42,4	132	3,8	148	5,8	152	6,7
1 1/2	40	48,3	142	4,5	154	7,7	158	9,1
2	50	60,3	144	6,7	158	10,0	166	12,4
2 1/2	65	76,1	158	10,2	170	15,5	178	18,0
3	80	88,9	158	12,0	176	20,0	184	23,0
4	100	114,3	170	17,6	190	30,0	222	45,5
5	125	139,7	196	22,8	214	38,5	248	74,0
6	150	168,3	196	26,6	214	50,0	254	102
8	200	219,1	222	42,0	240	77,0	286	125
10	250	273,0	222	62,0	252	115	324	223
12	300	323,9	246	91,0	278	162	330	276
14	350	355,6	272	120	304	219	350	374
16	400	406,4	272	143	310	282	374	472
18	450	457,2	298	171	336	335	388	593
20	500	508,0	306	213	342	416	400	670
24	600	609,6	322	272	354	589	426	922
28	700	711,2	269	352	412	900	488	1255
32	800	812,8	274	498	462	1178	540	1688



- Larger nominal bores and higher pressure ratings on request
- Design versions as under DIN see page 1.3.3.2
- Flange connection sizes in accordance with ANSI B 16.5
- When submitted encores and orders please state pipe connection sizes and material

Insulating flange with explosion protection

