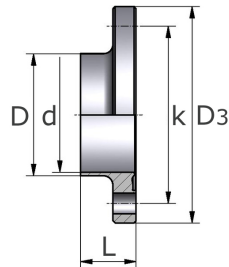


collar flange DIN 11853-2

[short name: HBF\\*](#)

short, design A



### technical product sheet

Anschl.	DN	D	s	d	k	D3	L	kg
DIN	10	13,0	1,5	10,0	37	54	24	0,160
DIN	15	19,0	1,5	16,0	42	59	24	0,180
DIN	20	23,0	1,5	20,0	47	64	24	0,210
DIN	25	29,0	1,5	26,0	53	70	24	0,250
DIN	32	35,0	1,5	32,0	59	76	24	0,280
DIN	40	41,0	1,5	38,0	65	82	24	0,310
DIN	50	53,0	1,5	50,0	77	94	24	0,380
DIN	65	70,0	2,0	66,0	95	113	24	0,500
DIN	80	85,0	2,0	81,0	112	133	26	0,780
DIN	100	104,0	2,0	100,0	137	159	26	1,260
DIN	125	129,0	2,0	125,0	161	183	28	1,500
DIN	150	154,0	2,0	150,0	288	213	28	2,140
ISO	10	17,2	1,6	14,0	42	59	24	0,150
ISO	15	21,3	1,6	18,1	45	62	24	0,180
ISO	20	26,9	1,6	23,7	52	69	24	0,200
ISO	25	33,7	2,0	29,7	57	74	24	0,250
ISO	32	42,4	2,0	38,4	65	82	24	0,270
ISO	40	48,3	2,0	44,3	71	88	24	0,320
ISO	50	60,3	2,0	56,3	85	103	24	0,460
ISO	65	76,1	2,0	72,1	104	125	24	0,640
ISO	80	88,9	2,3	84,3	116	137	26	0,830
ISO	100	114,3	2,3	109,7	146	168	26	1,360

available material: 1.4404

Systems > DIN 11864/ DIN 11853 > flange connections > hygiene DIN 11853-2 > collar flanges

### **Weld-on collar flange**

Aseptic-flange connection DIN 11864-2, Shape A

#### > Fields of application

The aseptic and hygiene flange connections according to DIN 11853-2 are compatible and differ only in terms of the axial length.

They are used for processing systems for liquid media with high purity requirements.

Popular areas of application are the biotechnology, cosmetics, chemical, pharmaceutical, and food and beverage industries.

#### > Installation

The O-ring is inserted in the groove flange during installation, which automatically holds the O-ring in place.

The collar flange is then placed against it so that both flanges engage each other.

The flanges and the O-ring are therefore coaxially centered. After that, the screws are inserted through the holes drilled in

the flanges so that the heads of the screws are on the outer surface of one flange and the threads of the screws stick out of the other flange.

The nuts are screwed onto these threads and evenly tightened until the faces of the flanges come into contact with each other.

The O-ring is deformed by this so that a smooth passage free of dead space and a sealed connection are produced.

> Operating pressure (bei 140°C)

Tube-OØ	bar
till 41 mm	max. 25 bar
42,4 - 101,6 mm	max. 16 bar
114,3 - 154,0 m	max. 10 bar

when suitable seals are used

