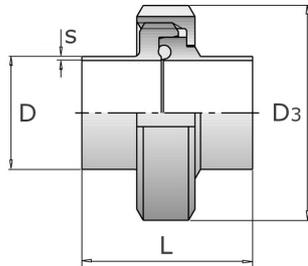


hygiene-union

[short name: HYGI-RV*](#)

DIN 11853-1 (short)

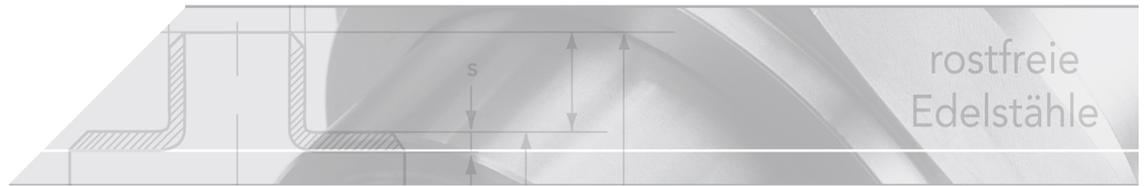


technical product sheet

Anschl.	DN	D	s	D3	L	PN	DW	kg	Art.-Nr.
DIN	10	13,0	1,5	38	32	40	EPDM	0,000	HYGI-RV-013-N
DIN	15	19,0	1,5	44	32	40	EPDM	0,000	HYGI-RV-019-N
DIN	20	23,0	1,5	54	34	40	EPDM	0,000	HYGI-RV-023-N
DIN	25	29,0	1,5	63	42	40	EPDM	0,000	HYGI-RV-029-N
DIN	32	35,0	1,5	70	48	40	EPDM	0,000	HYGI-RV-035-N
DIN	40	41,0	1,5	78	50	40	EPDM	0,000	HYGI-RV-041-N
DIN	50	53,0	1,5	92	54	25	EPDM	0,720	HYGI-RV-053-N
DIN	65	70,0	2,0	112	62	25	EPDM	0,000	HYGI-RV-070-N
DIN	80	85,0	2,0	127	72	25	EPDM	1,750	HYGI-RV-085-N
DIN	100	104,0	2,0	148	86	16	EPDM	0,000	HYGI-RV-104-N
ISO	10	17,2	1,6	44	32	40	EPDM	0,000	HYGI-RV-017-N
ISO	15	21,3	1,6	54	34	40	EPDM	0,000	HYGI-RV-021-N
ISO	20	26,9	1,6	63	42	40	EPDM	0,000	HYGI-RV-026-N
ISO	25	33,7	2,0	70	48	40	EPDM	0,000	HYGI-RV-033-N
ISO	32	42,4	2,0	78	50	25	EPDM	0,000	HYGI-RV-042-N
ISO	40	48,3	2,0	92	54	25	EPDM	0,000	HYGI-RV-048-N
ISO	50	60,3	2,0	112	62	25	EPDM	0,790	HYGI-RV-060-N
ISO	65	76,1	2,0	127	72	25	EPDM	0,000	HYGI-RV-076-N
ISO	80	88,9	2,3	148	86	25	EPDM	0,000	HYGI-RV-088-N

available material: ask

Systems > DIN 11864/ DIN 11853 > pipe unions > hygiene DIN 11853-1 > complete connections



Hygiene-Flange connection DIN 11853-2

For the Food- and Chemical Industry

Features

Type	Description
DIN 11853-2	Hygiene-Flange connection, short version
Pipe Dimension	DIN 11866 Row A + B as well as DIN 11850 (Row 2)
Form A	produced with punctuation for O-Rings
Materials	AISI 316L/ 1.4404, optional 1.4435 (Ferrit < 0,5%)
Screws	Stainless Steel A2
O-Rings	EPDM, VMQ, FKM
Surfaces	Ra inner < 0,8 µm, Ra outer < 1,6 µm (H3)
Sizes	DIN-DN 10-150, ISO-DN 8-100
Transport	In Single parts (including screws and seals)

DIN 11864 <> DIN 11853

The aseptic- and flange connections according to DIN 11864-2 respectively DIN 11853-2 are compatible and only differentiate in axial length.

Assembling

When assembling the product the O-ring is inserted in the grooved flange which will steadily hold the O-ring by itself. 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 port free of dead space and a sealed connection are produced.

Operating Pressure

at 140°C and with the usage of suitable seals

Pipe-AØ	bar
up to 41 mm	max. 25 bar
42,4 - 101,6 mm	max. 16 bar
114,3 - 154,0 m	max. 10 bar