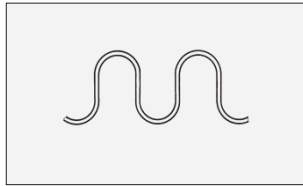
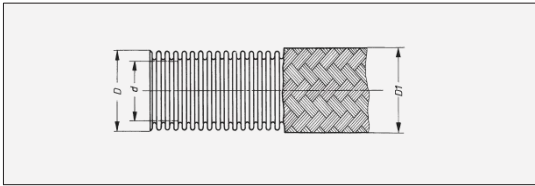


Annular Corrugated Stainless steel hose type RS330 / 331



Construction:

Annularly corrugated all-metal hose made of butt-welded tube with or without braiding.

Versions:

- RS ...**S00** without braiding
- RS ...**S12** with single stainless steel wire braiding

Type tests:

The hose type is tested in accordance with DIN EN ISO 10380.

Material of hose:

stainless austenitic steel to DIN EN ISO 10088-2, bright

- standard: material no. 1.4404 comparable with AISI 316L
- standard: material no. 1.4541 comparable with AISI 321
- other materials:
material no. 1.4571 comparable with AISI 316Ti on request

Material of braiding:

stainless austenitic steel

- material no. 1.4301 comparable with AISI 304
- material no. 1.4571 comparable with AISI 316Ti on request.

Maximum Production Lengths:

- DN 4 30 m
- DN 6-50 100 m
- DN 65-100 20 m
- DN 125-150 10 m

Temperature range:

-270 °C up to max. 600 °C (only for the hose)

Operating pressure:

The following tables with technical data of metal hoses contain two pressure values. Please refer to the general information on page 2. SF = Bursting Safety Factor 4, static or dynamic

Connection fittings:

- flanges
- threaded connections
- welding ends
- customized connections on request



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DN	Type	Inside diameter	Outside diameter	Permissible deviation	Minimum bending radius* one bending process	Nominal bending radius** frequent bending	Perm. static operating pressure at 20 °C SF 4	Nominal pressure DIN EN ISO 10380 SF 4	Weight. approx.	
-	-	d	D, D1	d, D, D1	r _{min}	r _n	P _{zul}	-	-	
-	-	mm	mm	mm	mm	mm	bar	PN	kg/m	
4	RS331S00	4.2	7.1	±0.1	15	80	40	40	0.06	
	RS331S12		8.2		25		100	100	0.11	
6	RS331S00	6.2	9.7	±0.2	15	80	28	28	0.08	
	RS331S12		10.8		25		150	150	0.14	
8	RS331S00	8.3	12.3		16	120	20	20	0.10	
	RS331S12		13.7		32		125	125	0.21	
10	RS331S00	10.2	14.3		18	130	16	16	0.11	
	RS331S12		15.7		38		100	100	0.23	
12	RS331S00	12.2	16.8		20	140	10	10	0.12	
	RS331S12		18.2		45		75	75	0.25	
16	RS331S00	16.2	21.7		28	160	8	8	0.19	
	RS331S12		23.3		58		65	65	0.40	
20	RS331S00	20.2	26.7	±0.3	32	170	5	5	0.27	
	RS331S12		28.3		70		40	40	0.49	
25	RS331S00	25.5	32.2		40	190	4	4	0.38	
	RS331S12		34.2		85		65	65	0.79	
32	RS331S00	34.2	41.0		50	260	2.5	2.5	0.49	
	RS331S12		43.0		105		25	25	0.96	
40	RS331S00	40.1	49.7		60	300	2.5	2.5	0.77	
	RS331S12		52.0		130		40	40	1.46	
50	RS331S00	50.4	60.3		±0.4	70	320	1	1	0.91
	RS331S12		62.6			160		30	30	1.67
65	RS331S00	65.3	78.0	115		460	1	1	1.51	
	RS331S12		81.2	200			35	25	2.88	
80	RS331S00	80.2	94.8	±0.5	130	660	2	2	2.28	
	RS331S12		98.0		240		32	16	4.08	
100	RS331S00	100.0	116.2		160	750	1	1	2.53	
	RS331S12		119.4		290		16	10	4.54	
125	RS330S00	126.2	145.0		± 0.6	350	1000	0.5	0.5	2.68
	RS330S12		148.2		10	6		5.25		
150	RS330S00	151.6	171.0	± 1.4	400	1250	0.5	0.5	3.41	
	RS330S12		174.2	10	6		6.48			

