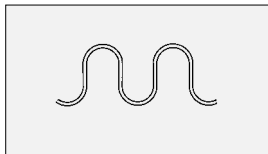
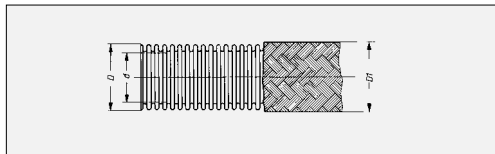


Annularly corrugated hoses, stainless steel Type RS 331 (up to DN 100)
medium version, normal corrugation Type RS 330 (from DN 125)



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 316 L
- Standard: material no. 1.4541 comparable with AISI 321
- Other materials:
e.g. 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

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 50.

Connection fittings:

- Flanges
- Threaded connections
- Welding ends
- Customized connections on request

Approvals:

see page 16-17

Production lengths:

- DN 4 5-30 m
- DN 6-50 10-100 m
- DN 65-100 20 m
- DN 125-150 10 m

medium version, normal corrugation

DN	Type	Inside diameter	Outside diameter	Permissible deviation	Minimum bending radius* one bending process	Nominal bending radius** frequent bending	Permissible operating pressure at 20°C SF 3	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		135	100	0.11	
6	RS331S00	6.2	9.7	±0.2	15	80	25	25	0.08	
	RS331S12		10.8		25		200	150	0.14	
8	RS331S00	8.3	12.3		16	120	20	20	0.10	
	RS331S12		13.7		32		180	100	0.21	
10	RS331S00	10.2	14.3		18	130	16	16	0.11	
	RS331S12		15.7		38		140	100	0.23	
12	RS331S00	12.2	16.8		20	140	12	10	0.12	
	RS331S12		18.2		45		85	65	0.25	
16	RS331S00	16.2	21.7		28	160	8	6	0.19	
	RS331S12		23.3		58		90	65	0.40	
20	RS331S00	20.2	26.7		±0.3	32	170	5	4	0.27
	RS331S12		28.3			70		55	40	0.49
25	RS331S00	25.5	32.2	40		190	4	4	0.38	
	RS331S12		34.2	85			55	50	0.79	
32	RS331S00	34.2	41.0	50		260	3	2.5	0.49	
	RS331S12		43.0	105			35	25	0.96	
40	RS331S00	40.1	49.7	60		300	2.5	2.5	0.77	
	RS331S12		52.0	130			50	40	1.46	
50	RS331S00	50.4	60.3	±0.4		70	320	1.5	0.5	0.91
	RS331S12		62.6			160		40	25	1.67
65	RS331S00	65.3	78.0			115	460	1	0.5	1.51
	RS331S12		81.2			200		32	25	2.88

* Minimum bending radius ≤ DIN EN ISO 10380 Type 1/2

** Nominal bending radius ≤ DIN EN ISO 10380 Type 1

Please quote when ordering:

1. Type of hose, material, nominal diameter (DN), nominal length (NL)
2. Type of connection fitting, material
3. Operating conditions, refer to Inquiry Specification, page 47

Annularly corrugated hoses, stainless steel Type RS 331 (up to DN 100)
 medium version, normal corrugation **Type RS 330 (from DN 125)**

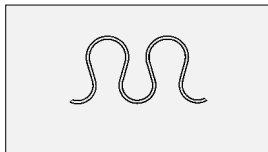
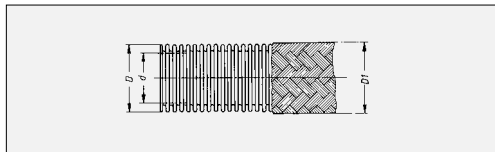
DN	Type	Inside diameter	Outside diameter	Permissible deviation	Minimum bending radius* one bending process	Nominal bending radius** frequent bending	Permissible operating pressure at 20°C SF 3	Nominal pressure DIN EN ISO 10380 SF 4	Weight approx.
–	–	d	D, D1	d, D, D1	r _{min}	r _n	P _{zul}	–	–
–	–	mm	mm	mm	mm	mm	bar	PN	kg/m
80	RS331S00	80.2	94.8	±0.5	130	660	2	0.5	2.28
	RS331S12		98.0		240		30	16	4.08
100	RS331S00	100.0	116.2		160	750	1.5	0.5	2.53
	RS331S12		119.4		290		25	10	4.54
125	RS330S00	126.2	145.0	± 0.6	350	1000	0.8	0.5	2.68
	RS330S12		148.2				20	6	5.25
150	RS330S00	151.6	171.0	± 1.4	400	1250	0.5	0.5	3.41
	RS330S12		174.2				16	6	6.48

* Minimum bending radius ≤ DIN EN ISO 10380 Type 1/2

** Nominal bending radius DIN EN ISO 10380 Type 1

Please quote when ordering:

1. Type of hose, material, nominal diameter (DN), nominal length (NL)
2. Type of connection fitting, material
3. Operating conditions, refer to Inquiry Specification, page 47



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 316 L
- Standard: material no. 1.4541 comparable with AISI 321
- Other materials:
e.g. material no. 1.4571
comparable with AISI 316Ti on request

Material of braiding:

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

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 50.

Connection fittings:

- Flanges
- Threaded connections
- Welding ends
- Customized connections on request

Production lengths:

- DN 6-12 10-70 m
- DN 40-50 20 m
- DN 65-100 7,5 m

DN	Type	Inside diameter	Outside diameter	Permissible deviation	Minimum bending radius* one bending process	Nominal bending radius** frequent bending	Permissible operating pressure at 20°C SF 3	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	
6	RS321S00	6.1	9.9	±0.2	20	70	20	20	0.10	
	RS321S12		11.0		25		140	100	0.17	
8	RS321S00	8.2	12.5		25	80	16	16	0.14	
	RS321S12		13.9		30		140	65	0.25	
10	RS321S00	10.1	14.4		30	90	10	10	0.14	
	RS321S12		15.8		35		120	65	0.26	
12	RS321S00	12.4	17.1		35	100	8	6	0.17	
	RS321S12		18.5		40		90	50	0.30	
16	RS321S00	16.2	22.0		40	110	6	6	0.26	
	RS321S12		23.6		50		65	50	0.46	
20	RS321S00	20.2	26.8	±0.3	50	130	4	4	0.31	
	RS321S12		28.4		55		40	40	0.53	
25	RS321S00	25.1	32.2		60	150	5	4	0.49	
	RS321S12		34.2		65		55	40	0.90	
32	RS321S00	34.2	41.0		70	200	2.5	2.5	0.50	
	RS321S12		43.0		75		55	20	0.97	
40	RS321S00	40.0	49.8		±0.4	80	210	2	0.5	1.13
	RS321S12		52.1			90		40	20	1.81
50	RS321S00	50.1	60.5		±0.5	100	240	1	0.5	1.34
	RS321S12		62.8			110		30	16	2.10
65	RS321S00	65.0	78.2	145		280	1	0.5	1.96	
	RS321S12		81.4	200			25	16	3.33	
80	RS321S00	80.0	95.0	200		400	1.5	0.5	3.12	
	RS321S12		98.2	240			25	10	4.92	
100	RS321S00	99.4	116.8	± 0.6		240	500	1	0.5	3.70
	RS321S12		120.0			290		20	6	5.71

* Minimum bending radius ≤ DIN EN ISO 10380 Type 1/2

** Nominal bending radius < DIN EN ISO 10380 Type 1

Please quote when ordering:

1. Type of hose, material, nominal diameter (DN), nominal length (NL)
2. Type of connection fitting, material