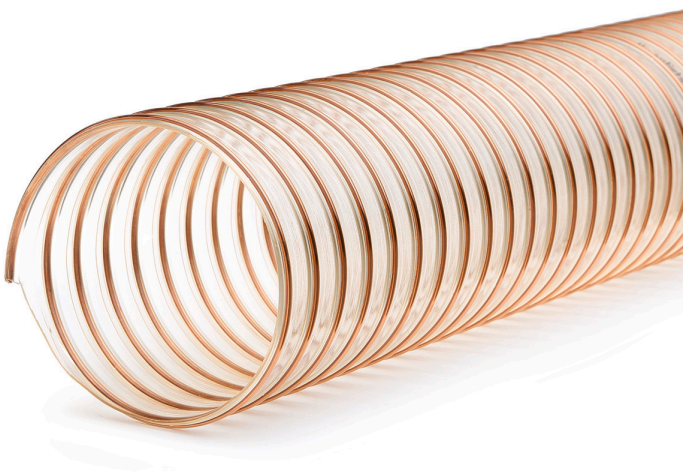
SMARTFLEX® 1.0

Medium weight and flexible spiral hose made of Polyurethane, flame retardant



Applications wood dust extraction, sawing & milling, grass extraction, leaf extraction, conveying of abrasive media

Structure Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated

Temperature -40°C up to 100°C, short term up to 125°C

Properties flame-retardant, permanently antistatic (R < 10^9 Ohm), hydrolysis & microbe resistant, good flexibility, very smooth inside, corrugated outside

Norms flame-retardant according to DIN 4102 / B1 | TRBS 2153/TRGS 727, ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22) | discharge capability according to BGI 739-2 with spiral earthing





made in Germany

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Total Weight per Piece (kg)	Length (m)	Article Number
13	19,00	1,00	11	2,16	0,80	1,38	10	08400013-1000-000-00
20	26,00	1,00	17	2,03	0,70	2,03	10	08400020-1000-000-00
20	26,00	1,00	17	2,03	0,70	3,04	15	08400020-1500-000-00
25	31,00	1,00	21	1,96	0,55	3,37	10	08400025-1000-000-00
25	31,00	1,00	21	1,96	0,55	5,05	15	08400025-1500-000-00
30	36,00	1,00	26	1,96	0,55	3,37	10	08400030-1000-000-00
30	36,00	1,00	26	1,96	0,55	5,05	15	08400030-1500-000-00
32	38,00	1,00	28	1,80	0,50	3,37	10	08400032-1000-000-00
32	38,00	1,00	28	1,80	0,50	5,05	15	08400032-1500-000-00
35	41,00	1,00	30	1,69	0,45	3,68	10	08400035-1000-000-00
35	41,00	1,00	30	1,69	0,45	5,53	15	08400035-1500-000-00
38	44,00	1,00	32	1,69	0,45	3,37	10	08400038-1000-000-00
38	44,00	1,00	32	1,69	0,45	5,05	15	08400038-1500-000-00
40	47,00	1,00	34	1,69	0,45	3,37	10	08400040-1000-000-00
40	47,00	1,00	34	1,69	0,45	5,05	15	08400040-1500-000-00
50	57,00	1,00	43	1,32	0,40	4,17	10	08400050-1000-000-00
50	57,00	1,00	43	1,32	0,40	6,26	15	08400050-1500-000-00
60	67,00	1,00	51	1,27	0,35	4,97	10	08400060-1000-000-00
60	67,00	1,00	51	1,27	0,35	7,46	15	08400060-1500-000-00
65	72,00	1,00	56	1,25	0,34	8,06	15	08400065-1500-000-00
65	72,00	1,00	56	1,25	0,34	5,37	10	08400065-1000-000-00
70	77,00	1,00	59	1,20	0,32	5,77	10	08400070-1000-000-00

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Date: 24.11.2026

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Total Weight per Piece (kg)	Length (m)	Article Number
70	77,00	1,00	59	1,20	0,32	8,66	15	08400070-1500-000-00
75	82,00	1,00	64	1,16	0,30	6,18	10	08400075-1000-000-00
75	82,00	1,00	64	1,16	0,30	9,26	15	08400075-1500-000-00
80	87,00	1,00	68	1,05	0,25	7,40	10	08400080-1000-000-00
80	87,00	1,00	68	1,05	0,25	11,09	15	08400080-1500-000-00
90	97,00	1,00	77	0,85	0,25	8,30	10	08400090-1000-000-00
90	97,00	1,00	77	0,85	0,25	12,45	15	08400090-1500-000-00
100	107,00	1,00	85	0,70	0,23	9,20	10	08400100-1000-000-00
100	107,00	1,00	85	0,70	0,23	13,80	15	08400100-1500-000-00
110	117,00	1,00	94	0,65	0,20	10,10	10	08400110-1000-000-00
110	117,00	1,00	94	0,65	0,20	15,15	15	08400110-1500-000-00
115	122,00	1,00	98	0,65	0,20	10,55	10	08400115-1000-000-00
115	122,00	1,00	98	0,65	0,20	15,83	15	08400115-1500-000-00
120	128,00	1,00	102	0,65	0,20	10,04	10	08400120-1000-000-00
120	128,00	1,00	102	0,65	0,20	15,07	15	08400120-1500-000-00
125	133,00	1,00	106	0,55	0,20	10,45	10	08400125-1000-000-00
125	133,00	1,00	106	0,55	0,20	15,67	15	08400125-1500-000-00
140	148,00	1,00	119	0,55	0,15	11,66	10	08400140-1000-000-00
140	148,00	1,00	119	0,55	0,15	17,49	15	08400140-1500-000-00
150	158,00	1,00	128	0,45	0,15	12,47	10	08400150-1000-000-00
150	158,00	1,00	128	0,45	0,15	18,70	15	08400150-1500-000-00
152	160,00	1,00	130	0,45	0,15	12,63	10	08400152-1000-000-00
152	160,00	1,00	130	0,45	0,15	18,95	15	08400152-1500-000-00
160	168,00	1,00	136	0,40	0,15	13,28	10	08400160-1000-000-00
160	168,00	1,00	136	0,40	0,15	19,92	15	08400160-1500-000-00
175	183,00	1,00	148	0,38	0,13	21,73	15	08400175-1500-000-00
175	183,00	1,00	148	0,38	0,13	14,49	10	08400175-1000-000-00
180	188,00	1,00	153	0,35	0,12	14,89	10	08400180-1000-000-00
180	188,00	1,00	153	0,35	0,12	22,34	15	08400180-1500-000-00
200	208,00	1,00	170	0,30	0,11	20,25	10	08400200-1000-000-00
200	208,00	1,00	170	0,30	0,11	30,37	15	08400200-1500-000-00
215	223,00	1,00	181	0,28	0,10	21,77	10	08400215-1000-000-00
215	223,00	1,00	181	0,28	0,09	32,65	15	08400215-1500-000-00
225	233,00	1,00	191	0,25	0,09	22,76	10	08400225-1000-000-00
225	233,00	1,00	191	0,25	0,09	34,13	15	08400225-1500-000-00
250	258,00	1,00	213	0,25	0,08	25,26	10	08400250-1000-000-00
250	258,00	1,00	213	0,25	0,08	37,89	15	08400250-1500-000-00
254	262,00	1,00	218	0,25	0,08	19,16	10	08400254-1000-000-00
254	262,00	1,00	218	0,25	0,08	28,73	15	08400254-1500-000-00
275	283,00	1,00	230	0,24	0,07	27,77	10	08400275-1000-000-00
300	308,00	1,00	255	0,20	0,07	30,27	10	08400300-1000-000-00
325	334,00	1,00	280	0,20	0,06	37,48	10	08400325-1000-000-00
350	359,00	1,00	298	0,18	0,06	40,33	10	08400350-1000-000-00
400	409,00	1,00	340	0,14	0,06	46,01	10	08400400-1000-000-00

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450	459,00	1,00	390	0,12	0,05	51,69	10	08400450-1000-000-00
500	509,00	1,00	440	0,10	0,03	57,37	10	08400500-1000-000-00

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