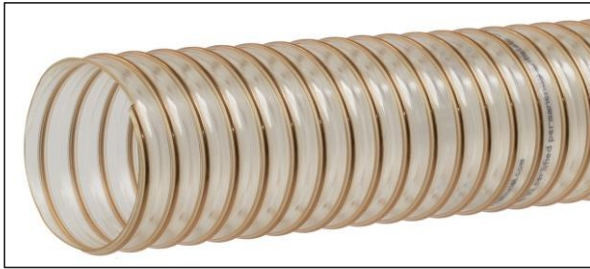


Abrasion-resistant hoses



SMARTFLEX® 1.0

Medium-heavy hose for extraction and transport of sawdust, shavings and cuttings, anti-static and flame-retardant

Hose material: transparent polyether - polyurethane,
1.0 mm thick

Reinforcement: steel wire coil

Operating temp: -40°C to +100°C (temporarily up to +125°C)

Medium thickness, strong and flexible hose designed for the discharge of sawdust, shavings, offcuts, light bulk materials, etc. Specially designed according to the requirements of **the wood and furniture industry**, it can also be used in other industries. **Antistatic and flame-retardant, ensures high occupational safety.** Less flexible and compressible than SMARTFLEX® 0.4, 0.6 and 0.7, but smooth inside and flexible even at low temperatures. Very good abrasion resistance, also resistant to microbes and hydrolysis. Free of halogen compounds and plasticisers. Oil and petrol resistant. Optimum flow direction of the medium is marked with an arrow. Hose wall thickness is measured between the spirals. Assembly on fittings with bridge clamps (right-handed). Other diameters available on request.

Antistatic properties: permanently antistatic (according to ISO 8031 resistance $R < 10^{(9)} \Omega$, according to German technical regulation TRGS 727 (6.4.2.4) specific resistance $R < 2.5 \times 10^{(8)} \Omega m$, according to directive 2014/34/EU (ATEX) may be used in **certain** explosion hazardous areas - which must be preceded by a risk analysis). After effective grounding of the spiral on both sides, it can be treated as electrically conductive - in accordance with the recommendations of BGI 739-2. **Flame-retardant** - in accordance with DIN 4102 Class B1.



SMARTFLEX® combines all 4 advantages of a good extraction hose in one product:

It is abrasion resistant, permanently antistatic, hard-wearing, resistant to microbes and HYDROLISE.

index	internal diameter [mm]	working pressure 23°C [bar]	vacuum 23°C [bar].	bend radius [mm]	mass [kg/m]	standard length [m]
SC-SMARTFLEX-025-10	25	1,45	0,55	33	0,19	10
SC-SMARTFLEX-030-10	30	1,45	0,55	39	0,25	10
SC-SMARTFLEX-032-10	32	1,35	0,5	42	0,28	10
SC-SMARTFLEX-035-10	35	1,25	0,45	46	0,30	10
SC-SMARTFLEX-038-10	38	1,25	0,45	49	0,33	10
SC-SMARTFLEX-040-10	40	1,25	0,45	52	0,35	10
SC-SMARTFLEX-045-10	45	1,22	0,42	59	0,37	10
SC-SMARTFLEX-050-10	50	1,2	0,4	65	0,41	10
SC-SMARTFLEX-055-10	55	1,18	0,37	72	0,44	10
SC-SMARTFLEX-060-10	60	1,15	0,35	78	0,47	10
SC-SMARTFLEX-063-10	63	1,13	0,34	82	0,5	10
SC-SMARTFLEX-065-10	65	1,12	0,33	85	0,52	10
SC-SMARTFLEX-070-10	70	1,09	0,32	91	0,56	10
SC-SMARTFLEX-075-10	75	1,05	0,3	98	0,61	10
SC-SMARTFLEX-080-10	80	1,05	0,25	104	0,65	10
SC-SMARTFLEX-090-10	90	0,85	0,25	117	0,8	10
SC-SMARTFLEX-100-10	100	0,7	0,23	130	0,94	10
SC-SMARTFLEX-102-10	102	0,7	0,22	133	0,95	10
SC-SMARTFLEX-105-10	105	0,68	0,21	137	0,97	10
SC-SMARTFLEX-110-10	110	0,67	0,21	143	1,01	10
SC-SMARTFLEX-115-10	115	0,66	0,2	150	1,04	10
SC-SMARTFLEX-120-10	120	0,65	0,2	156	1,08	10
SC-SMARTFLEX-125-10	125	0,55	0,2	163	1,13	10
SC-SMARTFLEX-130-10	130	0,55	0,17	169	1,15	10
SC-SMARTFLEX-140-10	140	0,55	0,15	182	1,18	10
SC-SMARTFLEX-150-10	150	0,45	0,15	195	1,25	10
SC-SMARTFLEX-160-10	160	0,4	0,15	208	1,34	10
SC-SMARTFLEX-165-10	165	0,38	0,14	215	1,44	10
SC-SMARTFLEX-170-10	170	0,37	0,13	221	1,53	10
SC-SMARTFLEX-180-10	180	0,35	0,12	234	1,68	10
SC-SMARTFLEX-200-10	200	0,3	0,1	260	1,87	10
SC-SMARTFLEX-225-10	225	0,25	0,09	293	2,11	10
SC-SMARTFLEX-250-10	250	0,25	0,09	325	2,35	10
SC-SMARTFLEX-300-10	300	0,2	0,07	390	3,08	10
SC-SMARTFLEX-350-10	350	0,18	0,06	455	3,75	10
SC-SMARTFLEX-400-10	400	0,15	0,06	520	4,24	10
SC-SMARTFLEX-450-10	450	0,15	0,06	585	5,42	10
SC-SMARTFLEX-500-10	500	0,15	0,06	650	6,02	10