

Abrasion-resistant hoses



SMARTFLEX® 0.4

Ultra-light hose for extraction and transfer of dust and sawdust, anti-static and flame-retardant

Hose material: transparent polyether - polyurethane,
0.4 mm thick

Reinforcement: steel wire coil

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

A very light and flexible hose designed for the extraction of air, dust, fine sawdust and shavings, very light bulk materials, etc. Specially designed according to the requirements of **the woodworking and furniture industries**, can also be used in other industries. Conforms to DIN 26057 Type 1. **Antistatic and flame-retardant, ensures high occupational safety.** Very flexible and compressible, also flexible at low temperatures. With 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-025-04	25	0,6	0,3	16	0,13	10
SC-SMARTFLEX-030-04	30	0,55	0,25	20	0,15	10
SC-SMARTFLEX-032-04	32	0,53	0,25	22	0,17	10
SC-SMARTFLEX-035-04	35	0,52	0,25	24	0,19	10
SC-SMARTFLEX-038-04	38	0,51	0,25	27	0,21	10
SC-SMARTFLEX-040-04	40	0,5	0,25	28	0,23	10
SC-SMARTFLEX-050-04	50	0,4	0,2	35	0,29	10
SC-SMARTFLEX-055-04	55	0,4	0,18	39	0,32	10
SC-SMARTFLEX-060-04	60	0,4	0,16	42	0,34	10
SC-SMARTFLEX-063-04	63	0,37	0,15	44	0,36	10
SC-SMARTFLEX-065-04	65	0,35	0,14	46	0,37	10
SC-SMARTFLEX-070-04	70	0,32	0,12	49	0,4	10
SC-SMARTFLEX-075-04	75	0,29	0,11	53	0,43	10
SC-SMARTFLEX-080-04	80	0,27	0,1	56	0,46	10
SC-SMARTFLEX-090-04	90	0,23	0,09	63	0,49	10
SC-SMARTFLEX-100-04	100	0,2	0,09	70	0,52	10
SC-SMARTFLEX-110-04	110	0,2	0,08	77	0,56	10
SC-SMARTFLEX-115-04	115	0,2	0,08	81	0,58	10
SC-SMARTFLEX-120-04	120	0,2	0,08	88	0,61	10
SC-SMARTFLEX-125-04	125	0,18	0,08	89	0,62	10
SC-SMARTFLEX-130-04	130	0,17	0,08	91	0,64	10
SC-SMARTFLEX-140-04	140	0,15	0,08	92	0,66	10
SC-SMARTFLEX-150-04	150	0,1	0,07	105	0,78	10
SC-SMARTFLEX-160-04	160	0,09	0,06	114	0,85	10
SC-SMARTFLEX-165-04	165	0,09	0,06	116	0,88	10
SC-SMARTFLEX-170-04	170	0,09	0,06	119	0,9	10
SC-SMARTFLEX-180-04	180	0,09	0,06	128	0,95	10
SC-SMARTFLEX-200-04	200	0,08	0,05	140	1,02	10
SC-SMARTFLEX-225-04	225	0,06	0,04	200	1,2	10
SC-SMARTFLEX-230-04	230	0,05	0,04	203	1,23	10
SC-SMARTFLEX-250-04	250	0,05	0,04	205	1,28	10
SC-SMARTFLEX-300-04	300	0,03	0,03	210	1,54	10
SC-SMARTFLEX-350-04	350	0,02	0,02	245	1,79	10
SC-SMARTFLEX-400-04	400	0,01	0,01	280	2,05	10
SC-SMARTFLEX-450-04	450	0,01	0,01	315	2,31	10
SC-SMARTFLEX-500-04	500	0,01	0,01	350	2,56	10