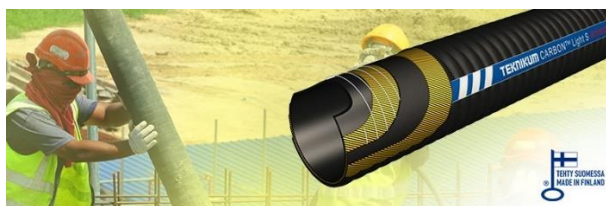


Teknikum CARBON™ SD



Teknikum CARBON™ SD is a suction and delivery working hose with corrugated cover. The hose is flexible and medium duty material handling hose. The hose is designed for transport wearing granulate materials and suitable for a wide range of industrial applications. Suitable also for use as part of pipelines and industrial central vacuum systems.

Teknikum CARBON™ SD *ANTISTATIC* hose version comes with a black SBR tube providing electrical conductivity and increased safety against ESD.

Available also with spiral-free cuffs.

ADVANTAGES

- Safe and durable hose
- Flexible and low bending radius due to special structure and corrugated surface
- Medium weight and easy handling
- Excellent resistance to abrasion
- Eliminates vibrations and noise
- Hose can be cut on-site
- Available with spiral-free cuffs

TECHNICAL PROPERTIES

Previous versions

CARBON™ 4100

CARBON™ 4200 BC Antistatic
(same reference and structure)

Structure

- Tube: grey NR
 - smooth
 - wear resistant
- Tube/ Antistatic version: black SBR
 - smooth
 - wear resistant
- Reinforcement: textile and steel spiral
- Cover: black SBR
 - wear resistant
 - antistatic
 - weather resistant
 - corrugated surface
- Safety factor: 3,2 (burst pressure = 3,2 x Working pressure)

Temperature range

- 40°C... +80°C

Electrical properties

Construction includes an earth wire.

Teknikum CARBON™ SD:

- Conductive cover $R \leq 10^6 \Omega / \text{length}$

Teknikum CARBON™ SD *ANTISTATIC*:

- Conductive tube and cover $R \leq 10^6 \Omega / \text{length}$
- Conductive through the hose wall $R \leq 10^9 \Omega$

SUITABLE COUPLINGS AND CLAMPS

Recommended clamp is hose clamp or Carbon clamp.

MANUFACTURER

Teknikum Oy (Business ID FI07645274),
Nokiankatu 1, 38210, Sastamala, Finland

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ORDER REFERENCE

Product code	Ø i.d. mm	Ø o.d. mm	Working press. MPa	Vacuum max. MPa	Bending radius mm	Weight kg/m	Length m
Teknikum CARBON™ SD							
4100050	50	69	0,5	0,09	100	2,00	40
4100063	63	82	0,5	0,09	130	2,50	40
4100076	76	96	0,5	0,09	200	3,00	40
4100090	90	109	0,5	0,09	240	3,80	40
4100102	102	122	0,5	0,09	290	4,30	40
4100115	115	134	0,5	0,09	310	5,00	20
4100127	127	147	0,5	0,09	350	5,50	20
4100152	152	173	0,5	0,09	600	7,40	20
4100203	203	225	0,5	0,09	700	9,90	10
Teknikum CARBON™ SD Antistatic							
4200BC050	50	69	0,5	0,09	100	1,80	40
4200BC063	63	82	0,5	0,09	130	2,60	40
4200BC076	76	96	0,5	0,09	200	3,20	40
4200BC102	102	122	0,5	0,09	290	4,50	40
4200BC115	115	134	0,5	0,09	310	5,30	20
4200BC127	127	147	0,5	0,09	350	5,50	20
4200BC152	152	173	0,5	0,09	600	7,40	20
4200BC203	203	225	0,5	0,09	700	9,90	10

Other dimensions available on request.

MARKINGS

