

Teknikum GRANIT®



APPLICATIONS

Robust and flexible material handling hose with corrugated cover for handling very abrasive substances. The hose is designed for hydraulic suction and delivery transportation of abrasive materials and suitable for heavy circumstances where the hose must resist wear, movements and damp vibrations.

Customized Teknikum GRANIT® hoses can be manufactured according to ISO 28017:2011 (rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications) type 2.

Teknikum GRANIT® hoses can also be made of EPDM or NBR rubber materials.

ANTISTATIC-hose version comes with a black SBR tube providing electrical conductivity and increased safety against ESD.

ADVANTAGES

- Safe and durable material handling hose
- Excellent resistance to abrasion and weather
- Eliminates vibrations and noise
- High burst pressure $\geq 3,2$ MPa
- Very flexible and low bending radius due to corrugated cover structure
- EPDM and NBR options
- Quick and easy installation
- Hoses can be cut on-site
- Complete with GRANIT® Select couplings

TECHNICAL PROPERTIES

Structure

- Tube: grey NR 50 ShA
 - smooth
 - wear resistant
- Tube/ Antistatic version: black SBR 60 ShA
 - smooth
 - wear resistant
 - antistatic
- Reinforcement: textile and steel spiral
- Cover: black SBR
 - corrugated surface
 - wear and weather resistant
 - antistatic
- Burst safety factor 3,2 x working press.

Temperature range

- 40°C... +80°C.

Electrical properties

Teknikum GRANIT®:

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

Teknikum GRANIT® ANTISTATIC version:

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

SUITABLE COUPLINGS AND FLANGES

We recommend Teknikum GRANIT® Select couplings and Select gaskets. Available also with Teknikum PLUS™ flange system.

MANUFACTURER

Teknikum Oy (Business ID F107645274),
Nokiankatu 1, 38210, Sastamala, Finland

More information









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ORDER REFERENCE

Selected sizes available directly from stock. Ask more from sales.

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 GRANIT®							
H4180025	25	53	1,0	0,09	120	2,20	40
H4180032	32	60	1,0	0,09	150	2,60	40
H4180040	40	73	1,0	0,09	150	3,80	40
H4180050	50	83	1,0	0,08	200	3,80	40
H4180065	65	98	1,0	0,08	200	4,70	40
H4180080	80	113	1,0	0,08	200	5,70	40
H4180102	102	133	1,0	0,08	250	7,90	20
H4180127	127	164	1,0	0,08	350	10,40	20
H4180152	152	189	1,0	0,08	500	12,00	20
H4180203	203	246	1,0	0,08	1000	18,00	10
H4180253	253	293	1,0	0,08	1700	20,60	10
H4180300	300	352	1,0	0,08	1900	31,00	10
H4180305	305	352	1,0	0,08	1900	31,00	10
H4180350	350	407	1,0	0,08	2200	41,00	10
Teknikum GRANIT® ANTISTATIC							
H4280BC050	50	83	1,0	0,08	200	3,80	40
H4280BC080	80	113	1,0	0,08	200	6,70	40
H4280BC102	102	133	1,0	0,08	250	7,90	20

Other dimensions available on request.

MARKINGS



REFERENCE IMAGES

With recommended coupling **Teknikum GRANIT® Select**



Available also with **Teknikum PLUS™** flange system

