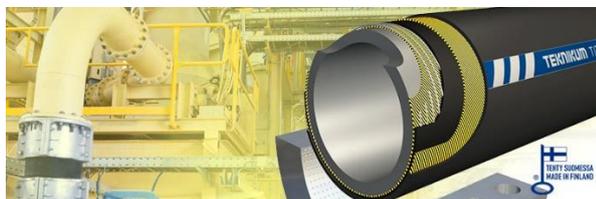


Teknikum TITAN™



APPLICATIONS

Teknikum TITAN™ hoses are robust and flexible material handling hoses with smooth cover for very abrasive substances. Teknikum TITAN™ hoses are used for hydraulic suction and delivery transportation of abrasive materials. The hose is suitable for heavy circumstances where hose must resist wear, movements and damp vibrations.

Customized Teknikum TITAN™ hoses can be manufactured according to ISO 28017:2011 (Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications) type 2. In addition, Teknikum TITAN™ hoses can be made of EPDM or NBR rubber materials.

Teknikum TITAN™ *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
- Low bending radius
- ESD protection with Antistatic version
- EPDM and NBR material options available
- Quick and easy installation

- Hoses can be cut on-site

TECHNICAL PROPERTIES

Previous versions

TITAN™ 4160 / 4260 BC Antistatic (same reference and structure)

Structure

- Tube: grey NR 50 ShA
 - smooth
 - wear resistant
- Tube / Antistatic version: black SBR 60 ShA
 - smooth
 - wear resistant
- Reinforcement: textile and steel spiral
- Cover: black SBR
 - smooth
 - wear resistant
 - antistatic
 - weather resistant
- Safety factor: 3,2 (Burst pressure = 3,2 x working pressure)

Temperature range

-40°C...+80°C.

Electrical properties

Teknikum TITAN™:

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

Teknikum TITAN™ *ANTISTATIC*:

- 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 TITAN™ Select couplings and Select gaskets. Available also with Teknikum PLUS™ flange system for high pressure applications.

MANUFACTURER

Teknikum Oy (Business ID FI07645274),
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More information

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ORDER REFERENCE

Product code	Ø i.d. mm	Ø o.d. mm	Workin g press. MPa	Vacuum max. MPa	Bending radius Mm	Weight kg/m	Length m
Teknikum TITAN™							
4160040	40	64	1,0	0,09	120	2,20	40
4160050	50	72	1,0	0,09	120	2,40	40
4160063	63	82	1,0	0,09	140	2,70	40
4160076	76	100	1,0	0,09	250	3,80	40
4160080	80	102	1,0	0,09	250	4,30	40
4160090	90	113	1,0	0,09	250	4,80	40
4160102	102	125	1,0	0,09	250	5,10	20
4160115	115	141	1,0	0,09	300	6,50	20
4160127	127	154	1,0	0,09	350	6,90	20
4160152	152	178	1,0	0,09	650	9,10	20
4160180	180	212	1,0	0,09	1000	14,30	10
4160203	203	238	1,0	0,09	1200	17,70	10
4160253	253	291	0,5	0,05	1500	20,80	10
4160300	300	341	0,5	0,05	1500	25,90	10
4160305	305	341	0,5	0,05	1500	25,90	10
4160350	350	403	0,5	0,05	2000	39,20	10
4160405	405	456	0,5	0,05	2300	43,10	10
4160450	450	508	0,5	0,05	3000	52,00	10
4160508	508	558	0,5	0,05	4000	67,00	10
4160600	600	664	0,5	0,05	5000	82,00	10

Product code	Ø i.d. mm	Ø o.d. mm	Workin g press. MPa	Vacuum max. MPa	Bending radius mm	Weight kg/m	Length m
Teknikum TITAN™ ANTISTATIC							
4260BC050	50	72	1,0	0,09	120	2,40	40
4260BC063	63	82	1,0	0,09	140	2,70	40
4260BC080	80	104	1,0	0,09	250	4,30	40
4260BC102	102	125	1,0	0,09	250	5,10	20
4260BC152	152	178	1,0	0,09	650	9,10	20
4260BC203	203	238	1,0	0,09	1200	17,70	10

Other dimensions available on request.

MARKINGS



REFERENCE IMAGES

With recommended coupling Teknikum TITAN™ Select

