

Teknikum® TITAN™ Large compensators



APPLICATIONS

Teknikum TITAN™ Large compensators are used to compensate heat expansion and movement, absorb noise and vibration and also to eliminate pipeline tension. Traditionally these compensators have been used e.g. in power plants and other process industries as well as in civil engineering. Compensators are designed and manufactured specially for the customer, according to the application of use and its requirements.

Teknikum TITAN™ compensators are available in a wide range of customized dimensions and rubber materials. Most common materials: NR (wear resistant), SBR (antistatic wear resistant), NBR (oil resistant) or EPDM (chemical resistant).

ADVANTAGES

- Customized to customer requirements
- Safe and durable materials
- Excellent resistance to abrasion and weather
- Eliminates vibrations and noise
- ESD protection with Antistatic version
- Quick and easy installation
- Custom steel flanges, material and dimensions according to customer requirements

TECHNICAL PROPERTIES

Structure

- Tube: according to application
- Reinforcement: textile
- Cover: according to application

Temperature range

- NR -40°C - +70°C.
- SBR -40°C - +70°C.
- NBR -40°C - +90°C.
- EPDM -40°C - +100°C.

Electrical properties

Antistatic version

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

SUITABLE COUPLINGS AND FLANGES

Standard hose is made with Teknikum® Flange connection.

3D-model library for connecting hoses

www.teknikum.com/3D

MANUFACTURER

Teknikum Oy (Business ID FI07645274),
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More information

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www.teknikum.com



ORDER REFERENCE & DIMENSIONS

These products are designed and manufactured specifically for the customer according to use application requirements. The table includes some illustrative diameters. Ask more from our sales.

Ø i.d mm	Ø D mm	h mm	Lenght (min-max) mm	Max. vacuum bar	Working press. bar	Max. axial flexibility mm	Lateral flexibility mm	Max. angular deviation	Approx. Weight kg/pc
600	780	16	300 - 500	0,7	6	± 30	15	4,0°	45
700	895	16	300 - 500	0,7	6	± 30	18	4,0°	65
800	1015	16	300 - 500	0,7	6	± 30	21	4,0°	90
900	1115	22	300 - 500	0,7	6	± 30	24	4,0°	120
1000	1230	16	300 - 500	0,7	6	± 30	27	4,0°	130
1200	1455	20	300 - 500	0,7	6	± 30	30	4,0°	150
1400	1675	15	300	0,7	6	± 15	33	4,0°	170
1600	1915	15	300	0,7	6	± 15	39	4,0°	200
1800	2115	25	300	0,7	6	± 15	45	4,0°	250

*Ask for more information, also other dimensions available on request

REFERENCE IMAGES

