

Lemper

Komponenten - Beratung - Service

Lemper KBS

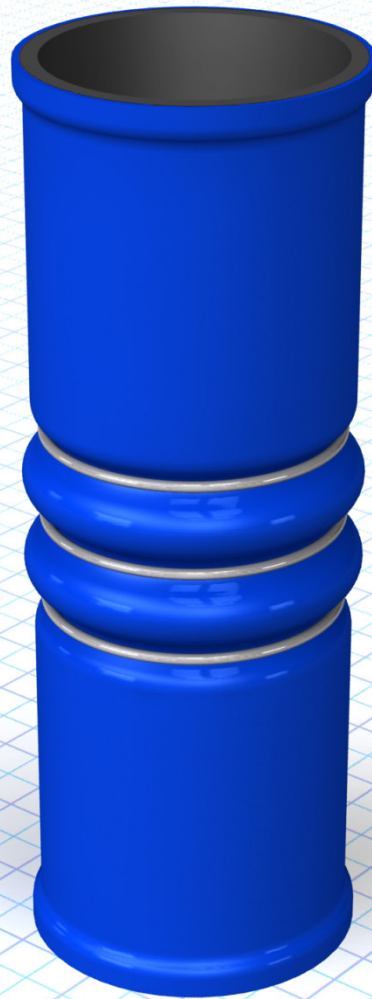
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SILICONE BELLOWS

TWINFIT® FLUOR BLUE & CLAMPING BANDS



LOGGERS

APPLICATION

Twinfit® Fluor Blue silicone bellows provide an extremely flexible connection for cooling water systems, clean air supply and turbo air charge systems. This type is oil resistant and suitable for applications with very high temperatures.

- Temperature range from -60°C up to $+250^{\circ}\text{C}$.
- Maximum working pressure 4 bar at 120°C .

CONSTRUCTION

The Twinfit® silicone bellows are constructed with:

- High-quality Black Fluor silicone rubber innertube
- Heavy duty DuPont Nomex® cord reinforcement
- Blue silicone rubber cover
- Three stainless steel reinforcement rings on the outside
- Special beads on each end for positioning the clamping bands

GENERAL

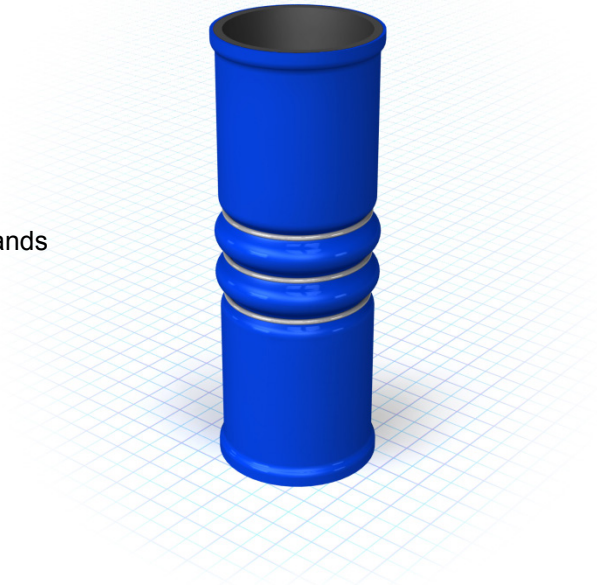
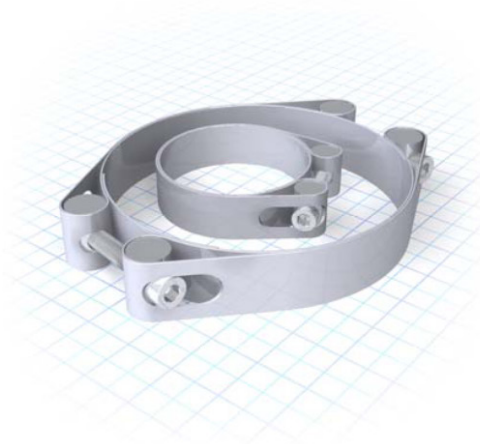
A minimum distance of 50 or 69 mm, depending on bellow size, between the pipe ends is needed for secure operation. On a TwinFit® Fluor Blue clamping bands should be used.

MOVEMENTS

Compression and elongation 13 mm. Lateral 3 mm.

CLAMPING BANDS

We recommend to use our heavy duty clamping bands. The clamping bands are either made of zinc-plated carbon steel or full stainless steel.



TECHNICAL DATA

TWINFIT® FLUOR BLUE

Bellows Article no.	Inside diameter [mm]	Outside diameter [mm]	Cuff-length [mm]	Neutral length [mm]	Bellows diameter [mm]
300062034	34	39	55	178	42
300062038	38	44	55	178	47
300062042	42	48	55	178	55
300062048	48	53	55	178	60
300062054	54	59	55	178	66
300062060	60	65	60	185	69
300062076	76	81	60	188	90
300062080	80	85	65	214	90
300062089	89	94	65	214	106
300062108	108	112	65	217	124
300062114	114	118	65	217	124
300062133	133	138	65	217	144
300062139	139	144	65	217	154

CLAMPING BANDS

Bellows Article no.	Clamp type	Clamp St.37 Zinc-plated	Diameter range from-to [mm]	Clamp Stainless steel AISI 304	Diameter range from-to [mm]	Required quantity
300062034	I-1 part	300070040	38-42	300071040	36-40	4
300062038	I-1 part	300070045	42-45	300071045	41-45	4
300062042	I-1 part	300070050	45-50	300071050	46-50	4
300062048	I-1 part	300070055	50-55	300071055	51-55	4
300062054	I-1 part	300070060	55-60	300071060	56-60	4
300062060	I-1 part	300070065	58-65	300071065	61-65	4
300062076	I-1 part	300070080	75-80	300071085	81-85	4
300062080	I-1 part	300070085	78-85	300071085	81-85	4
300062089	II-2 parts	300080095	85-95	300081095	91-95	4
300062108	II-2 parts	300080115	100-115	300081115	105-115	4
300062114	II-2 parts	300080125	115-125	300081120	110-120	4
300062133	II-2 parts	300080140	130-140	300081140	130-140	4
300062139	II-2 parts	300080150	135-150	300081150	141-150	4

ABOUT LOGGERS

Loggers is **thought leader** and international recognized solution provider in the field of shock, vibration and noise control. With **excellent technical know-how** in combination with proven market knowledge and experience Loggers designs, develops and engineers **innovative solutions** for the most complex and challenging situations for leading clients worldwide for over 90 years.

Loggers understands all difficulties in the area of vibration, shock and noise control entirely.

We bring up the best and most cost effective solution for every challenge, regardless of its complexity. Loggers defines and engineers all deliverables necessary for solving your problem, ranging from standard to tailor-made solutions. Loggers' state-of-the-art portfolio contains all products and services to provide you with the optimal solution for relatively simple as well as the most complex challenges.

Products

- Vibration mounts
- Expansion joints
- Shock mounts

Services

- Assessment of current situation (on site)
- Analysis design including construction drawings
- Structural design and stress analysis
- Vibration measurement and analysis, if needed on site
- Solution definition based on:
 - standard products
 - customized products, or even
 - tailor-made new products, including prototyping
- Complete simulation of solution to ensure its effectiveness
- Testing including certification by independent certification authorities
- On site support during installation

Loggers understands both business and technology and brings both worlds together in satisfying customers' needs in rapidly changing environments. By working closely with clients Loggers enables them to realize their strategic targets through solving specific operational issues in the following market segments:

- Shipbuilding
- Dredging
- Defense
- Machinery
- Offshore
- Transport



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