

WRI P16000 SERIES

WIRE ROPE ISOLATORS



LOGGERS

INTRODUCTION

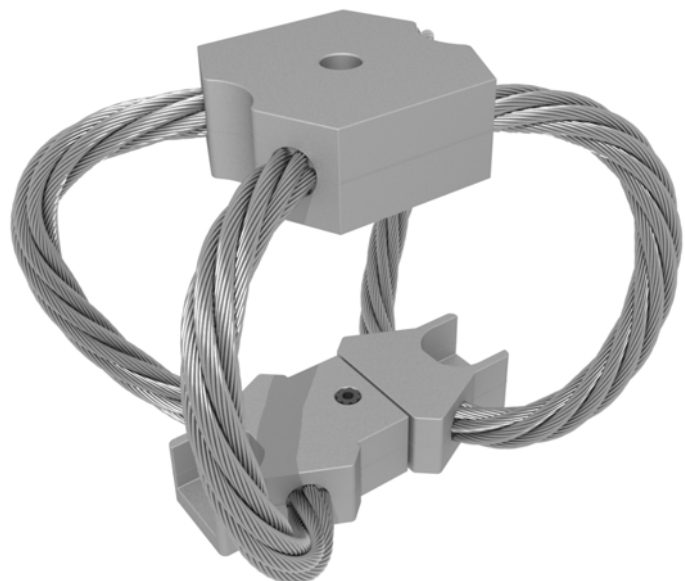
Loggers WRI Series polycal wire rope isolators offer cost-effective and durable protection against shock and vibration. These all-metal isolators are captive, which means that the connection between the mounted object and its foundation is ensured at all times. WRI Series isolators are easy to install, maintenance-free and renowned for their long lifetime. Typical applications include the shockproof mounting of cabinets, equipment and packaging and within crating solutions.

The specialists of our Center of Excellence assist clients worldwide with the application of wire rope isolators for their systems. Their approach ensures that the optimal isolator for a specific situation is selected. Important calculation parameters such as the object's mass, center of gravity, vibration and desired rest shock levels are taken into account during the selection process.

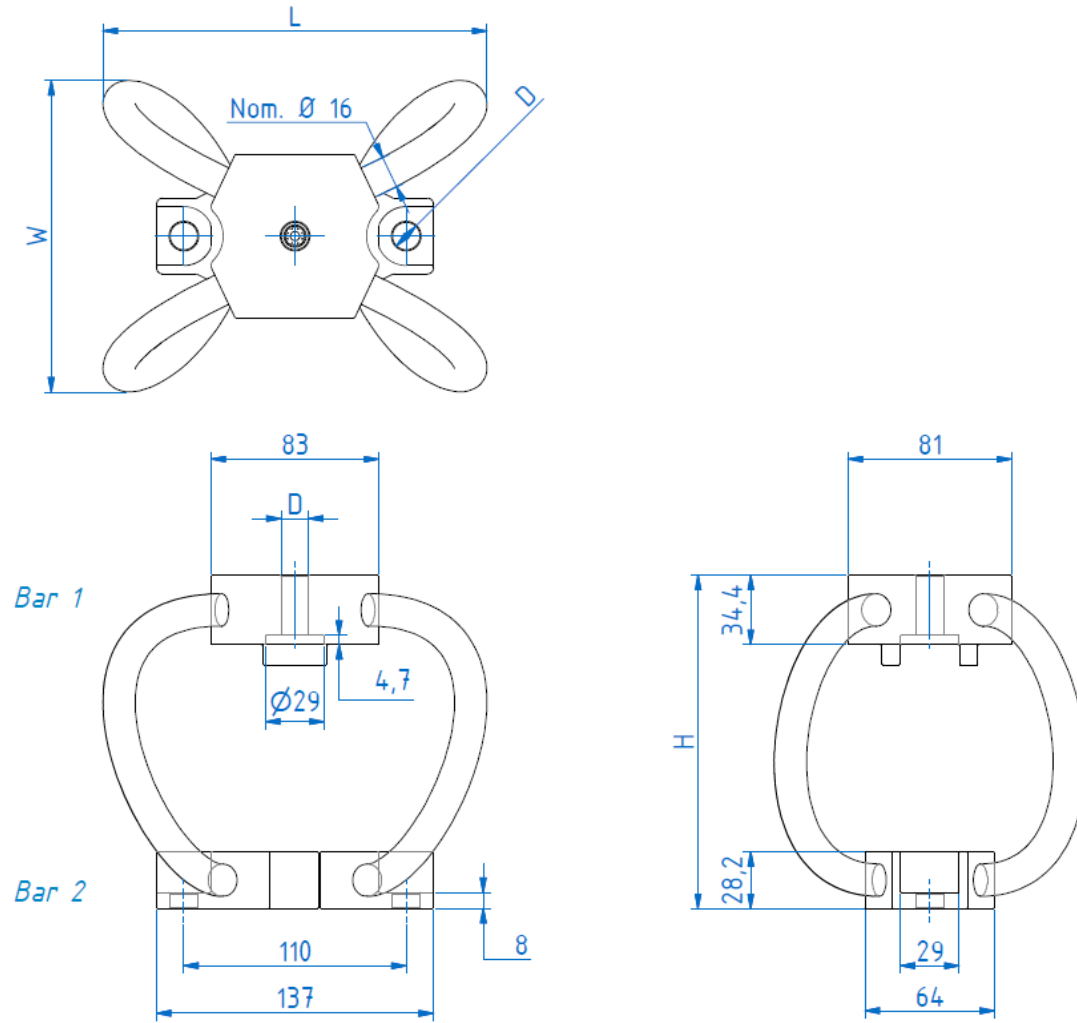
Please note that this datasheet covers standard versions only. Loggers polycal wire rope isolators can be tailored to meet specific client requirements.

GENERAL PROPERTIES

- Reliable, captive shock and vibration isolator
- Polycal shape
- Temperature range: - 180 °C to + 300 °C
- Bars: aluminum alloy
Cable: Ø16mm, stainless steel
- Top bar: 1 mounting hole (through, Ø13,5 mm), M16 insert optional.
Bottom bar: 2 mounting holes (through, Ø13,5 mm)



DIMENSIONS



Dimensions in mm. For reference only.

Model	height H (mm)	width W (mm)	length L (mm)	mass (kg)
P16010	131	133	175	1,83
P16020	151	151	188	1,93
P16040	165	154	190	2,03
P16050	192	179	212	2,21
P16060	223	200	236	2,41

WRI P16000 SERIES CHARACTERISTICS

The characteristics provided in this document allow basic selection of P16000 Series wire rope isolators, based upon their characteristics for maximum static load and shock. Please note that more detailed characteristics and curves are available upon request.

Compression and tension

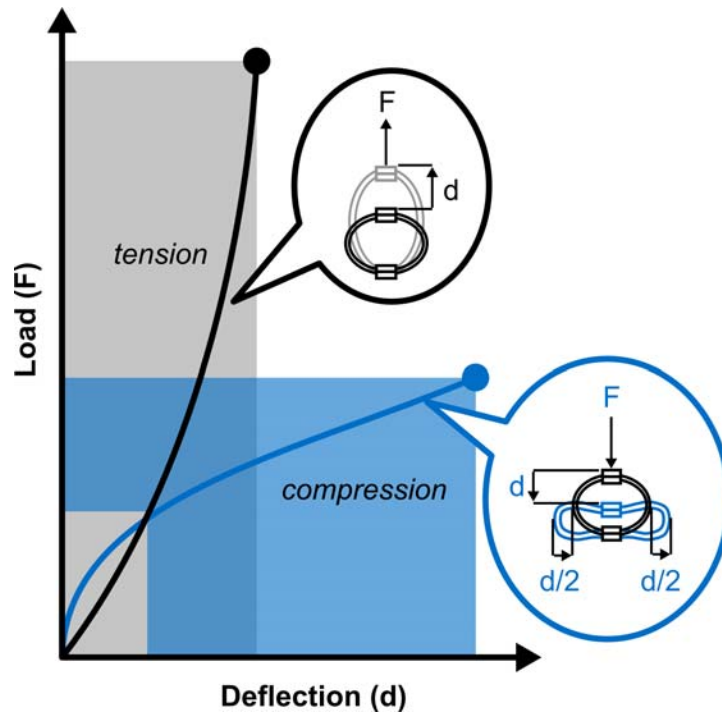


fig. 1. Compression and tension

Type	Compression				Tension			
	1.) Max. static		2.) Max. shock		1.) Max. static		2.) Max. shock	
	F (daN)	d (mm)	F (daN)	d (mm)	F (daN)	d (mm)	F (daN)	d (mm)
P16010	101	11,4	303	62	101	9,7	988	44
P16020	83,7	14,7	251	80	83,7	11,9	785	52
P16040	84	17	252	92	84	12	702	47
P16050	64,5	21,4	194	116	64,5	15,5	548	62
P16060	53,1	26,6	159	144	53,1	18,4	436	71

Compression and tension at 45° roll

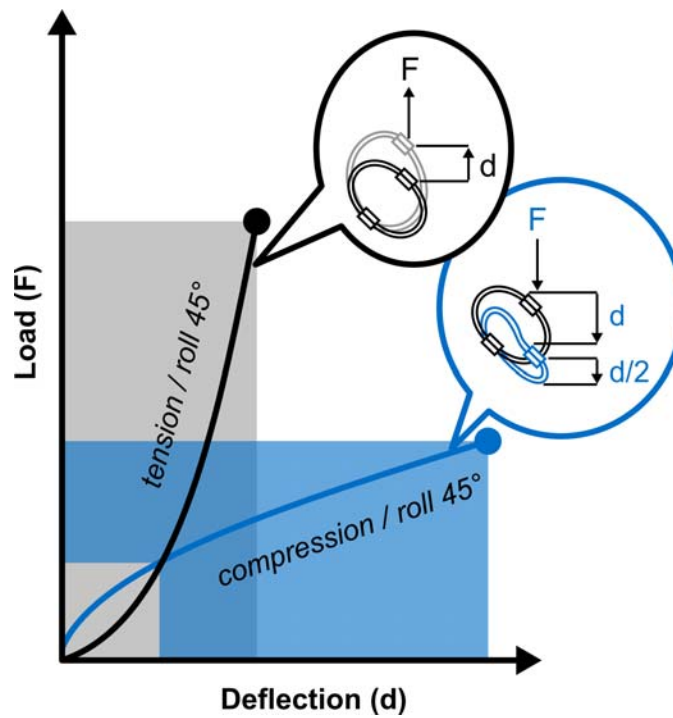


fig. 2. Compression and tension at 45° roll

Type	Compression at 45° roll				Tension at 45° roll			
	1.) Max. static		2.) Max. shock		1.) Max. static		2.) Max. shock	
	F (daN)	d (mm)	F (daN)	d (mm)	F (daN)	d (mm)	F (daN)	d (mm)
P16010	75,6	20,3	188	93	75,6	15	730	58
P16020	62,8	26,6	155	119	62,8	18,5	577	69
P16040	63	31	152	138	63	18,7	512	63
P16050	48,4	39,5	117	174	48,4	24,1	400	82
P16060	39,8	47,9	95,5	216	39,8	28,7	317	95

Shear and roll

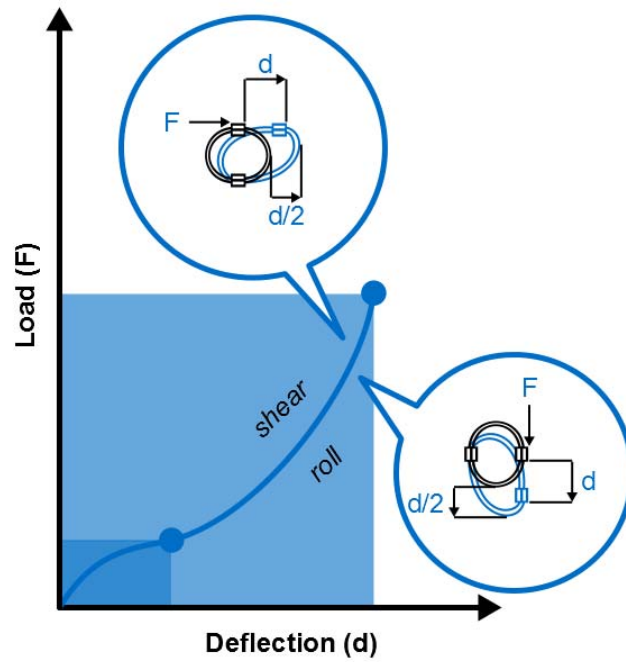


fig. 3. Shear and roll

Type	Shear or roll			
	1.) Max. static		2.) Max. shock	
	F (daN)	d (mm)	F (daN)	d (mm)
P16010	50,4	21,7	299	68
P16020	41,9	27,8	234	83
P16040	42	32,2	201	86
P16050	32,3	40,6	156	110
P16060	26,6	50,3	122	132

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 95 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 isolators
- Expansion joints
- Shock isolators

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
- Complete simulation of solution to ensure its effectiveness
- Testing including certification by independent certification authorities

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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