

WRI H6000 SERIES

WIRE ROPE ISOLATORS



LOGGERS

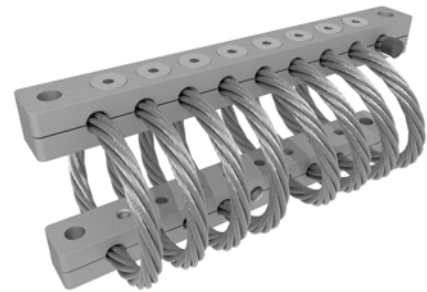
INTRODUCTION

Loggers WRI Series helical 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.

GENERAL PROPERTIES

- Reliable, captive shock and vibration isolator
- Helical shape with 8 loops.
- Temperature range: - 180 °C to + 300 °C
- Bars: aluminum alloy
Cable: Ø6mm, stainless steel
Screws: Alloy steel / zinc plated
- 2 mounting holes (Ø6,4 mm) in top bar, 2 in bottom bar
90° countersunk holes and/or M6 inserts optional (please refer to table below)



This datasheet covers standard versions only. Please consult Loggers for more information on custom versions with a different number of loops or specific bar types.

BAR CUSTOMIZATION OPTIONS

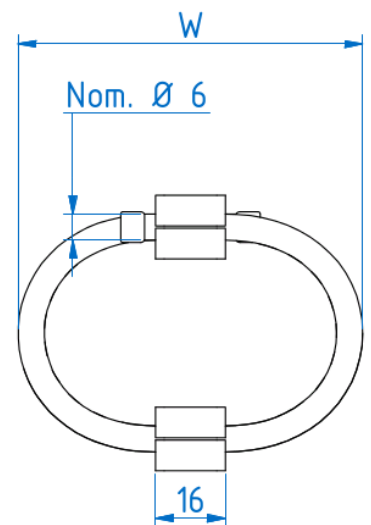
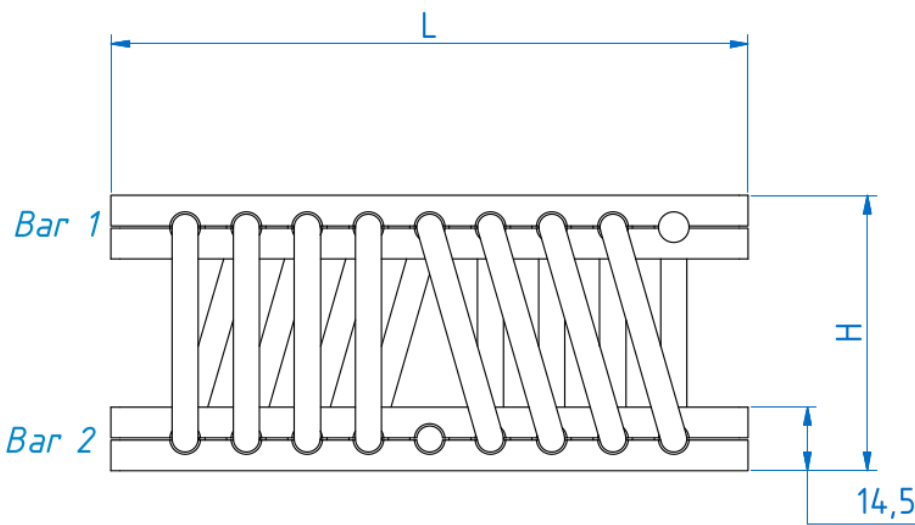
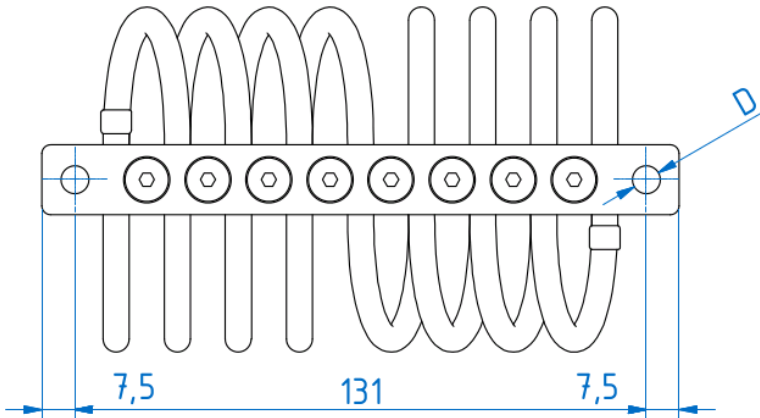
Both bars of the H6000 Series helical wire rope isolators can be fully customized to meet specific requirements. The standard version of this isolator has through holes, but it is also available with countersunk holes and/or inserts.

The table shows the codes used for the most common options. For specific requirements, please contact our sales department.

* = Custom option, available upon request.

	BAR 1		
	2 through holes Ø 6,4 mm	2 through holes Ø 6,4 mm countersunk 90°	2 bar inserts M6
BAR 2			
2 through holes Ø 6,4 mm	TT	*	*
2 through holes Ø 6,4 mm countersunk 90°	CT	CC	*
2 bar inserts M6	IT	IC	II

DIMENSIONS & WEIGHT



Dimensions in mm. For reference only.

Model	height H (mm)	width W (mm)	length L (mm)	mass (kg)
H6010	48	55	146	0,34
H6020	54	62	146	0,37
H6025	59	70	146	0,39
H6030	63	79	146	0,41
H6040	63	88	146	0,43
H6050	67	94	146	0,45
H6060	67	99	146	0,46
H6070	82	107	146	0,5

WRI H6000 SERIES CHARACTERISTICS

The characteristics provided in this document allow basic selection of H6000 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

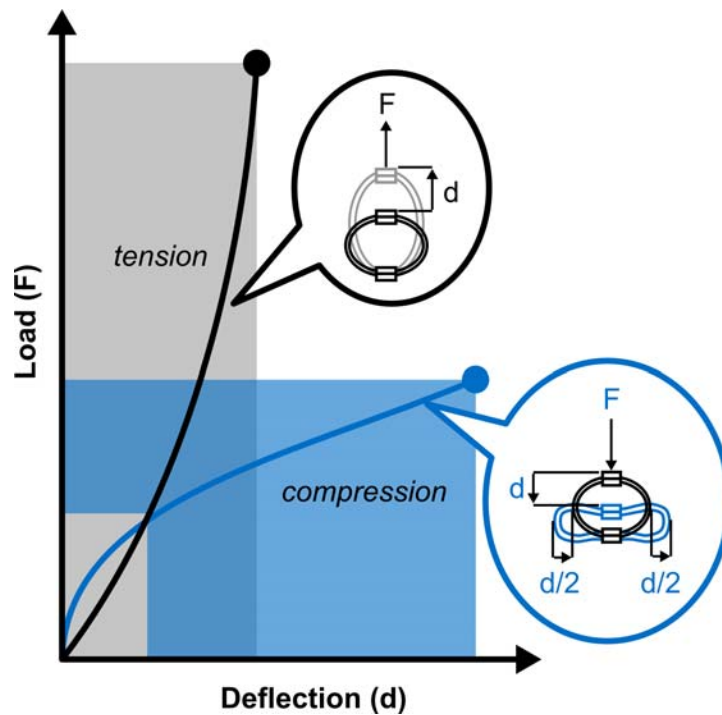


fig. 1. Compression and tension

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)
H6010	68,3	3,1	205	17	68,3	2,7	687	13
H6020	57	4,2	171	23	57	3,4	536	15
H6025	46,3	5	139	27	46,3	4,3	463	20
H6030	37,3	5,7	112	31	37,3	5,3	400	26
H6040	29,5	5,7	88,6	31	29,5	5,7	386	35
H6050	26,8	6,3	80,5	34	26,8	6,3	352	39
H6060	24	6,3	72,1	34	24	6,3	350	46
H6070	23,3	8,9	70	48	23,3	8,3	256	41

Compression and tension at 45° roll

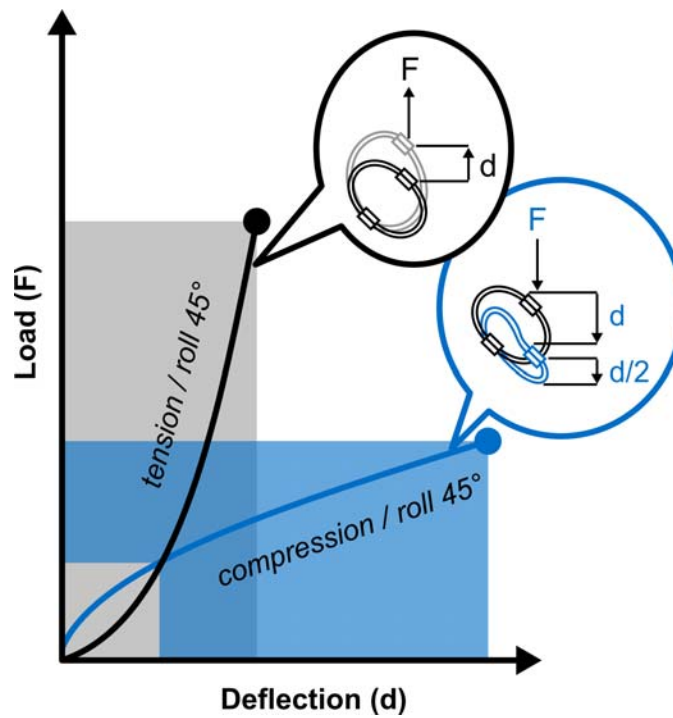


fig. 2. Compression and tension at 45° roll

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)
H6010	51,3	5	128	26	51,3	4,2	509	17
H6020	42,8	6,9	105	35	42,8	5,3	394	20
H6025	34,8	8,3	86,7	41	34,8	6,7	343	26
H6030	28	9,6	70,6	47	28	8,2	298	34
H6040	22,2	9,6	57,7	47	22,2	9,4	291	47
H6050	20,1	10,6	52,4	51	20,1	10,3	265	52
H6060	18	10,6	47,6	51	18	10,6	266	61
H6070	17,5	15,4	44,4	72	17,5	12,8	191	55

Shear and roll

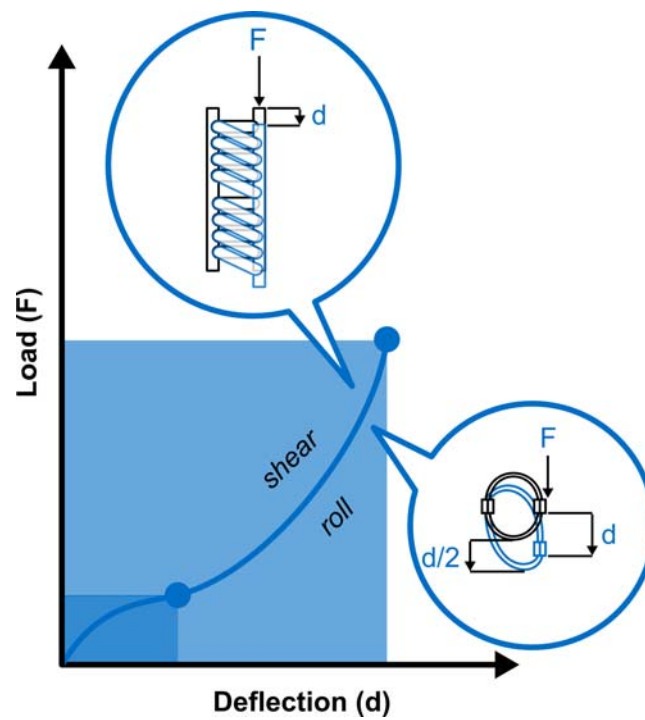


fig. 3. Shear and roll

Type	Shear or roll			
	1.) Max. static		2.) Max. shock	
	F (daN)	d (mm)	F (daN)	d (mm)
H6010	34,2	5,9	246	19
H6020	28,5	8	177	24
H6025	23,2	9,4	153	30
H6030	18,6	10,8	129	37
H6040	14,8	10,8	121	45
H6050	13,4	11,9	109	50
H6060	12	11,9	108	55
H6070	11,7	16,8	78,5	59

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
- 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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