



WRI H11000 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: Ø11mm, stainless steel
Screws: Alloy steel / zinc plated
- 4 mounting holes (Ø8,4 mm) in top bar, 4 in bottom bar
90° countersunk holes and/or M8 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

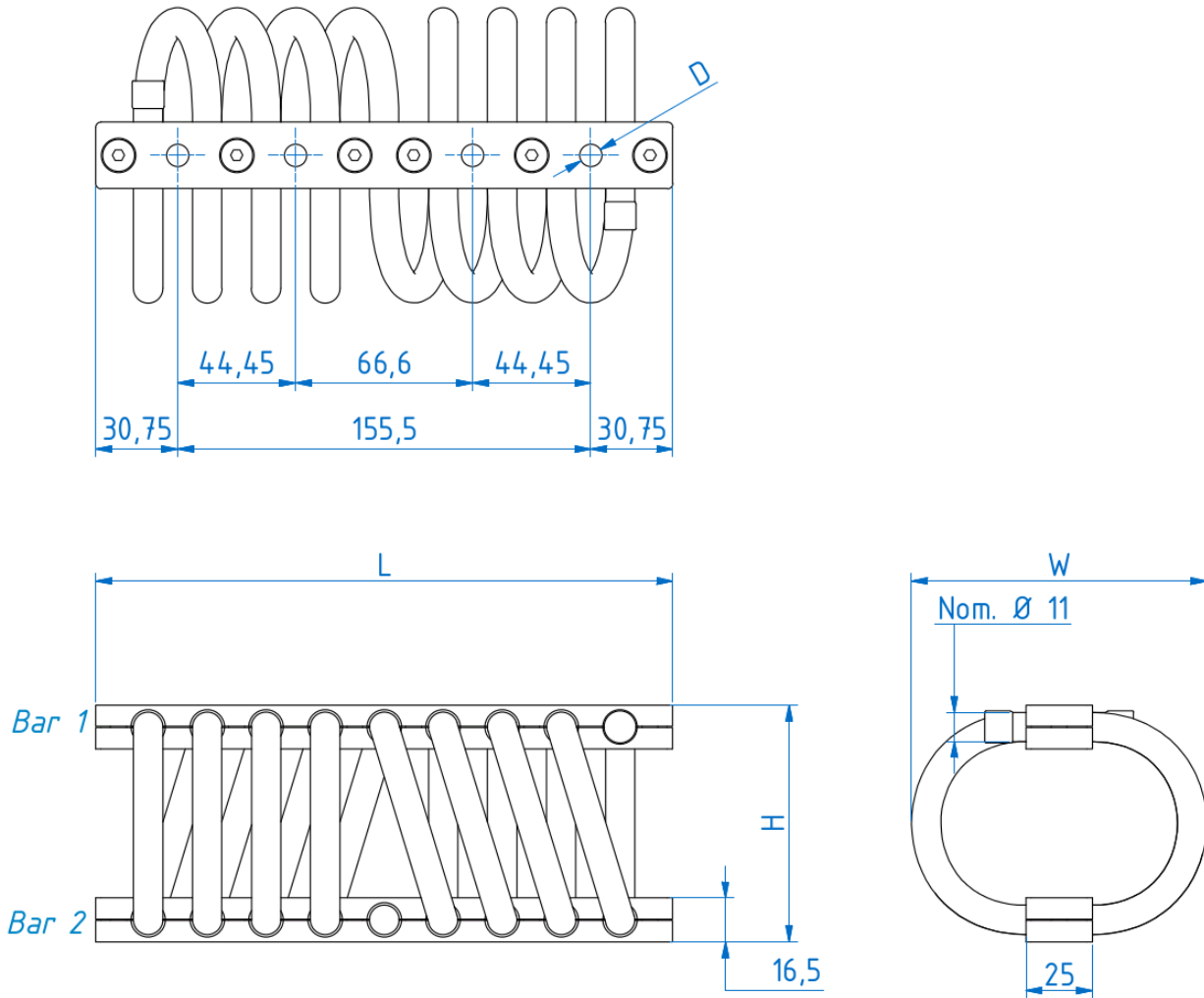
Both bars of the H11000 Series helical wire rope isolators can be fully customized to meet specific requirements. The standard version of this isolator has through holes, but it is also available with countersunk holes and/or inserts.

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		
	4 through holes Ø 8,4 mm	4 through holes Ø 8,4 mm countersunk 90°	4 bar inserts M8
BAR 2			
4 through holes Ø 8,4 mm	TT	*	*
4 through holes Ø 8,4 mm countersunk 90°	CT	CC	*
4 bar inserts M8	IT	IC	II

DIMENSIONS & WEIGHT



Dimensions in mm. For reference only.

Model	height H (mm)	width W (mm)	length L (mm)	mass (kg)
H11005	68	83	217	1,2
H11010	71	87	217	1,3
H11015	74	93	217	1,4
H11025	77	107	217	1,5
H11030	89	111	217	1,7
H11035	105	124	217	1,9
H11045	108	143	217	2
H11050	124	146	217	2,2
H11055	134	156	217	2,3

WRI H11000 SERIES CHARACTERISTICS

The characteristics provided in this document allow basic selection of H11000 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

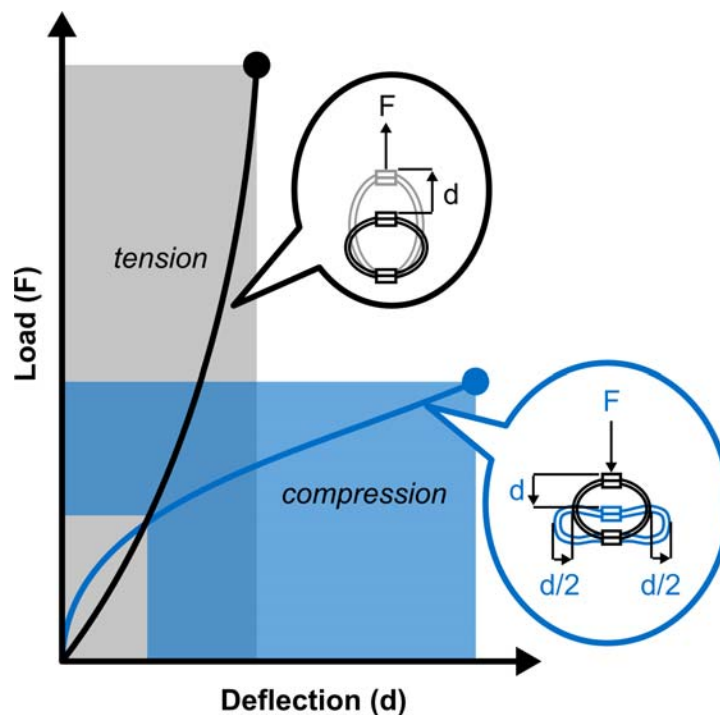


fig. 1. Compression and tension

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)
H11005	359	5,4	1077	32	359	3,6	2725	13
H11010	330	5,9	989	34	330	4	2574	15
H11015	294	6,8	881	37	294	4,8	2427	19
H11025	216	7,4	648	40	216	6,4	2164	29
H11030	214	9,2	641	50	214	6,5	1787	26
H11035	177	11,5	531	65	177	7,8	1397	29
H11045	133	12,5	400	68	133	10,2	1253	44
H11050	135	14,6	404	82	135	10	1070	38
H11055	121	16,1	362	91	121	11	955	41

Compression and tension at 45° roll

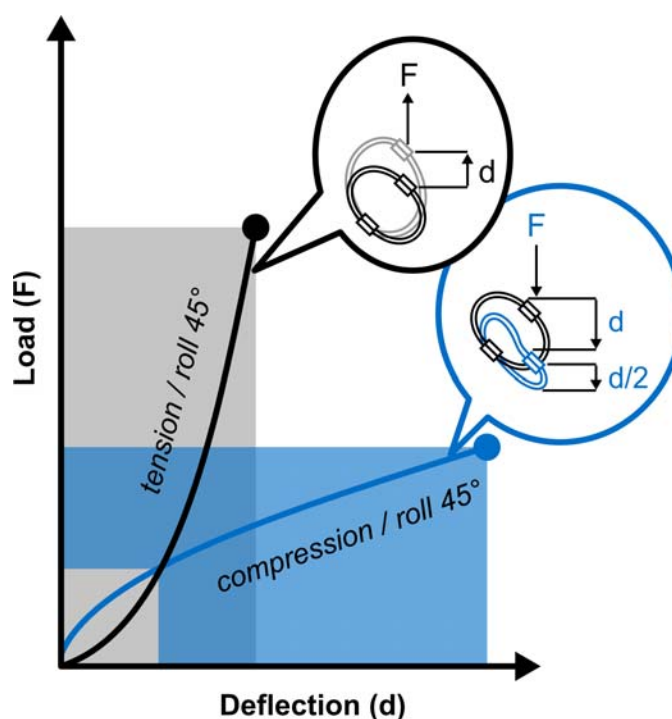


fig. 2. Compression and tension at 45° roll

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)
H11005	269	9,9	634	48	269	5,7	1965	18
H11010	247	10,6	586	51	247	6,3	1861	20
H11015	220	11,6	529	56	220	7,4	1766	25
H11025	162	12,6	404	60	162	9,9	1601	39
H11030	160	16,1	386	75	160	10,2	1302	34
H11035	133	20,9	315	98	133	12,2	1011	39
H11045	100	22,5	247	102	100	15,8	923	59
H11050	101	26,6	240	123	101	15,6	776	50
H11055	90,5	29,4	215	137	90,5	17,2	692	55

Shear and roll

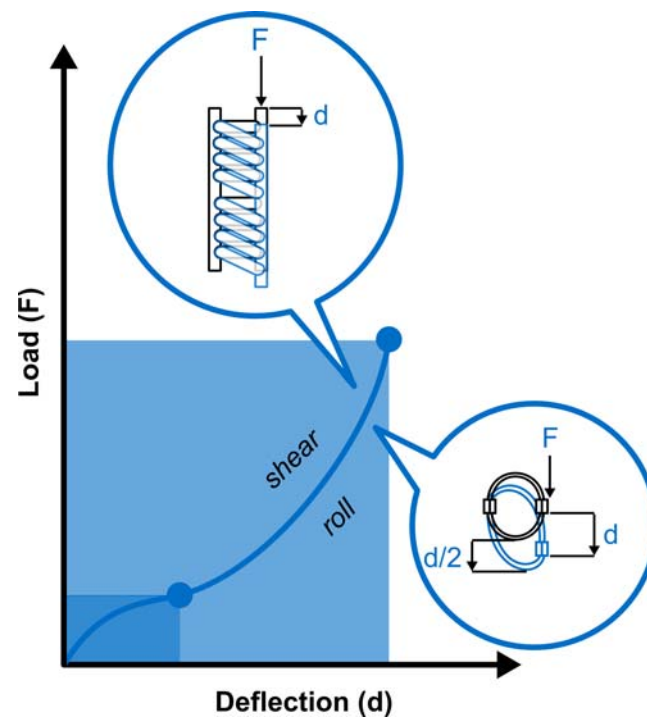


fig. 3. Shear and roll

Type	Shear or roll			
	1.) Max. static		2.) Max. shock	
	F (daN)	d (mm)	F (daN)	d (mm)
H11005	179	11,2	829	27
H11010	165	11,9	792	30
H11015	147	12,9	760	34
H11025	108	14	683	45
H11030	107	17,5	540	47
H11035	88,5	22,7	408	57
H11045	66,7	23,8	374	71
H11050	67,3	28,7	307	73
H11055	60,4	31,8	272	80

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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Loggers B.V.

Pieter Zeemanweg 133
3316 GZ Dordrecht
Mail: P.O. Box 194
3300 AD Dordrecht
The Netherlands
Phone: +31 (0) 78 6182844
Fax: +31 (0) 78 6180650
sales@loggers.nl

Loggers Schwingungstechnik GmbH

Am Markt 9
D-27419 Sittensen
Germany
Phone: +49 (0) 4282/5949-0
Fax: +49 (0) 4282/5949-39
sales@loggers.de