

WRI H9500 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: Ø9,5mm, 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

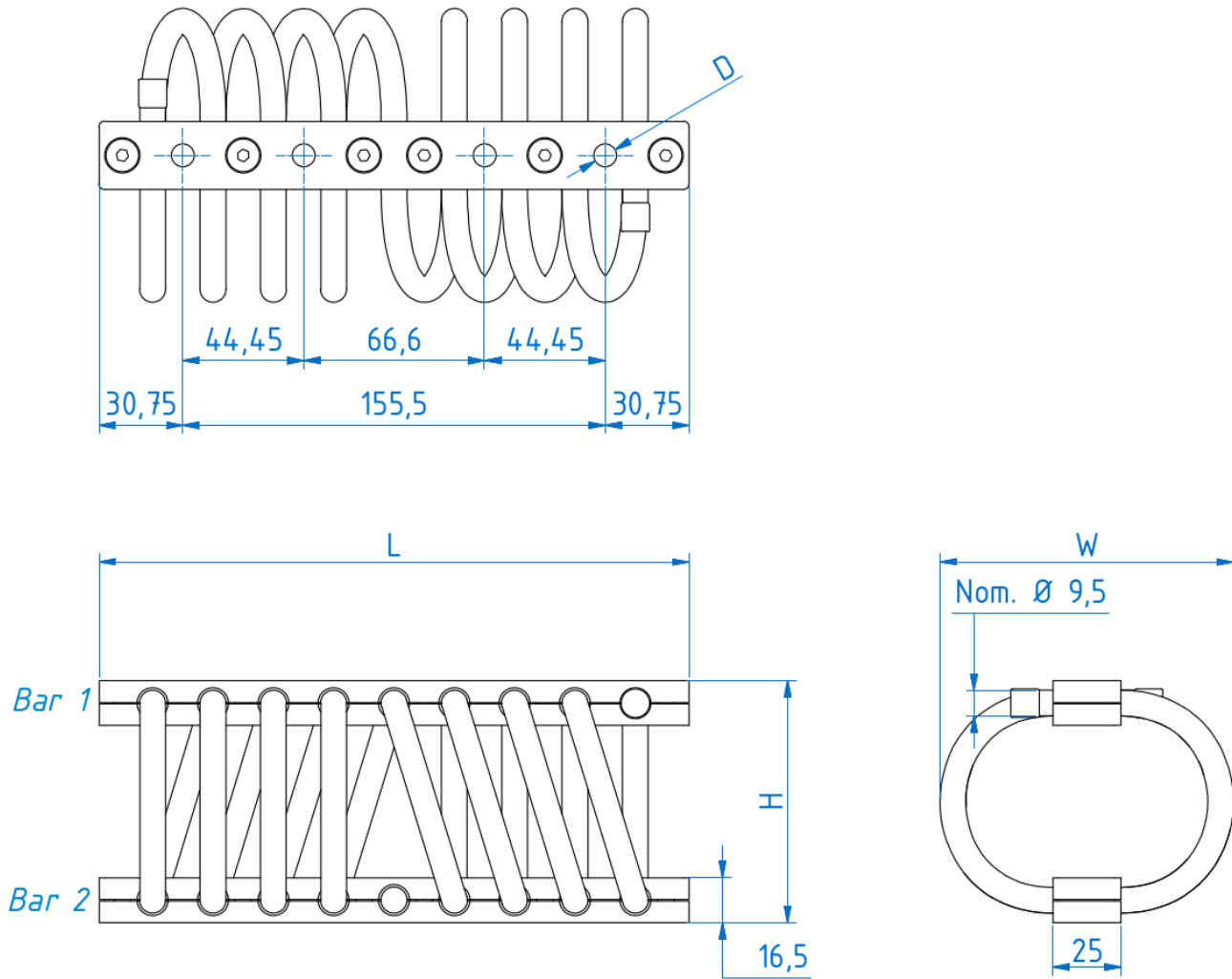
Both bars of the H9500 Series helical wire rope isolators can be fully customized to meet specific requirements. The standard version of this isolator has through holes, but it is also available with countersunk holes and/or inserts.

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)
H9510	68	80	217	1,1
H9520	71	84	217	1,1
H9530	74	90	217	1,2
H9540	77	104	217	1,2
H9550	89	108	217	1,3
H9560	105	121	217	1,4
H9570	108	140	217	1,5
H9580	124	143	217	1,6
H9590	134	153	217	1,7

WRI H9500 SERIES CHARACTERISTICS

The characteristics provided in this document allow basic selection of H9500 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

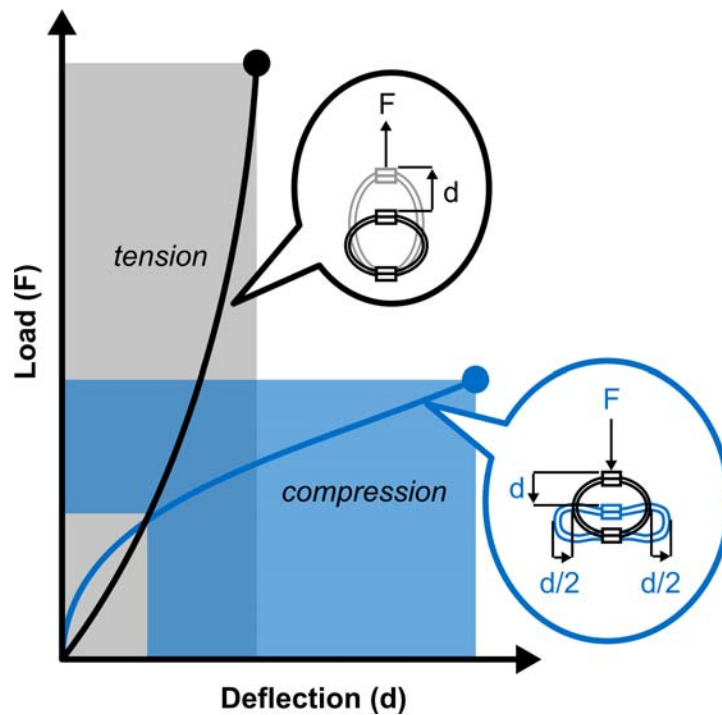


fig. 1. Compression and tension

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)
H9510	208	5,3	624	32	208	3,5	1550	13
H9520	191	5,8	572	34	191	3,9	1464	14
H9530	170	6,7	509	37	170	4,6	1361	17
H9540	126	7,4	377	40	126	6,2	1229	28
H9550	124	9,2	371	50	124	6,4	1025	25
H9560	102	11,3	304	65	102	7,6	787	28
H9570	76,8	12,5	230	68	76,8	10	711	43
H9580	77,3	14,5	232	82	77,3	9,9	611	37
H9590	69,3	15,9	208	91	69,3	10,8	542	40

Compression and tension at 45° roll

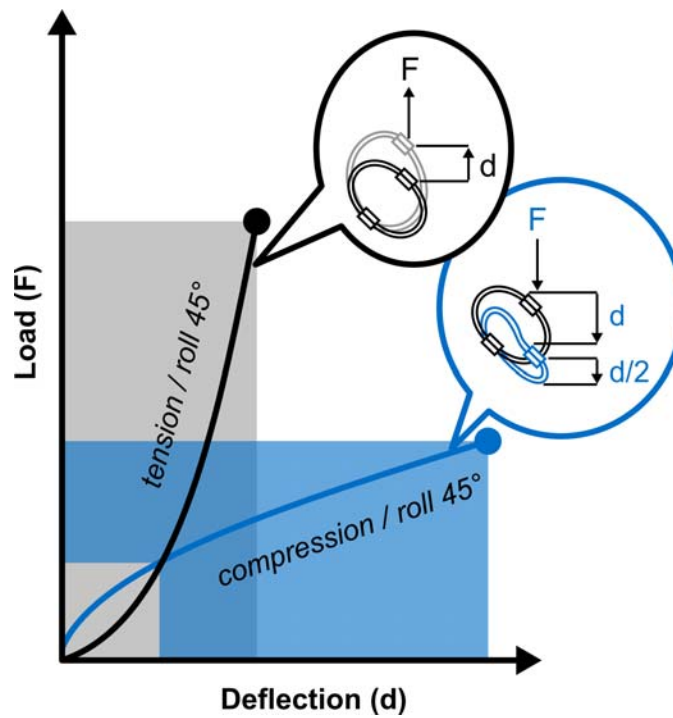


fig. 2. Compression and tension at 45° roll

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)
H9510	156	9,8	366	48	156	5,5	1115	17
H9520	143	10,6	338	51	143	6,1	1057	19
H9530	127	11,6	303	56	127	7,1	987	23
H9540	94,2	12,6	234	60	94,2	9,7	908	38
H9550	92,8	16,1	223	75	92,8	10	745	34
H9560	76,1	20,6	180	98	76,1	11,9	569	38
H9570	57,6	22,5	142	102	57,6	15,6	523	58
H9580	58	26,4	138	123	58	15,5	443	50
H9590	52	29,1	123	137	52	16,9	392	54

Shear and roll

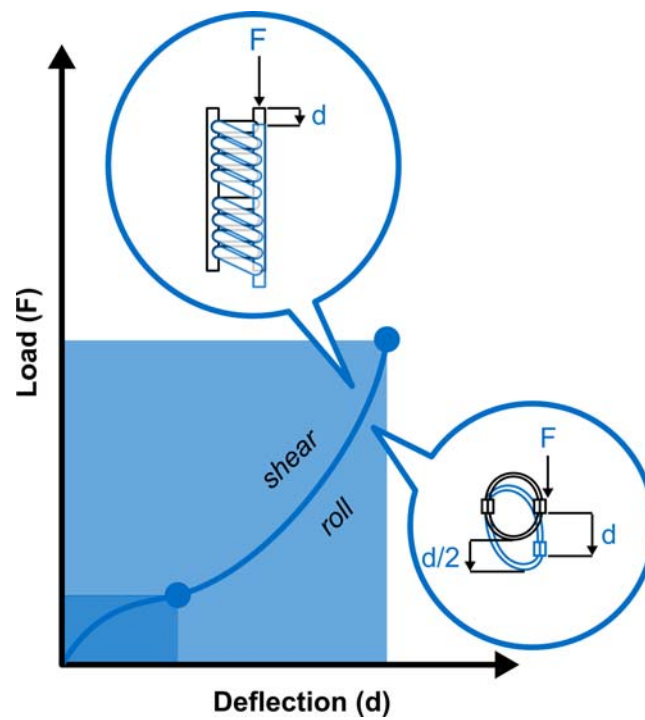


fig. 3. Shear and roll

Type	Shear or roll			
	1.) Max. static		2.) Max. shock	
	F (daN)	d (mm)	F (daN)	d (mm)
H9510	104	11,2	471	27
H9520	95,3	11,9	452	29
H9530	84,8	12,9	419	33
H9540	62,8	14	389	44
H9550	61,9	17,5	312	46
H9560	50,7	22,7	227	56
H9570	38,4	23,8	212	70
H9580	38,7	28,7	175	72
H9590	34,7	31,8	153	79

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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