Walraven VibraTek® HS-1X Spring Hanger

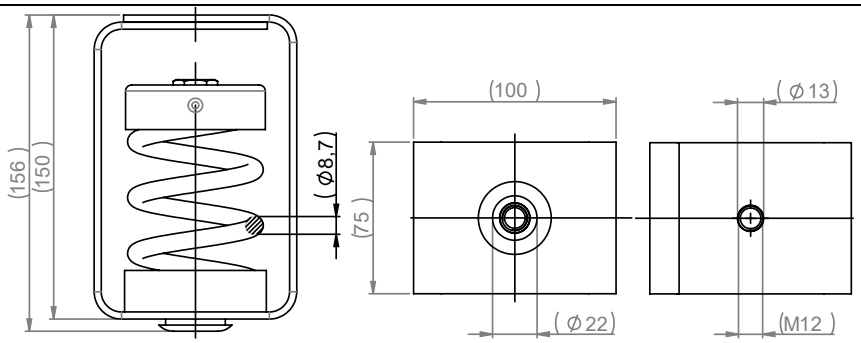
High performance spring isolator for medium to heavy suspended loads

Walraven VibraTek® HS-1X

Features and benefits

- Simple to install and does not need to be fixed to the base material
- Recommended for machinery with low working speeds above 700 RPM
- Rubber spring base cup prevents contact between housing and the spring
- Epoxy powder-coated housing, cap and spring provide increased resistance to corrosion

Technical Drawing



Applications

- Pipelines, ducts, compressors, electrical panels, in-line fans and other HVAC equipment

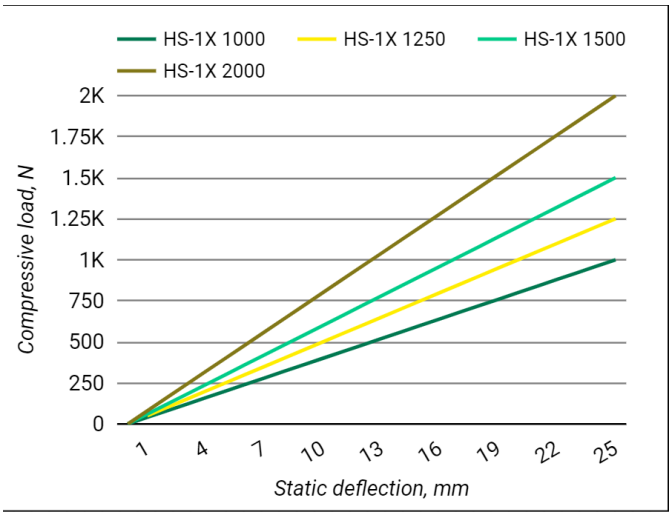
1. Product and packaging details

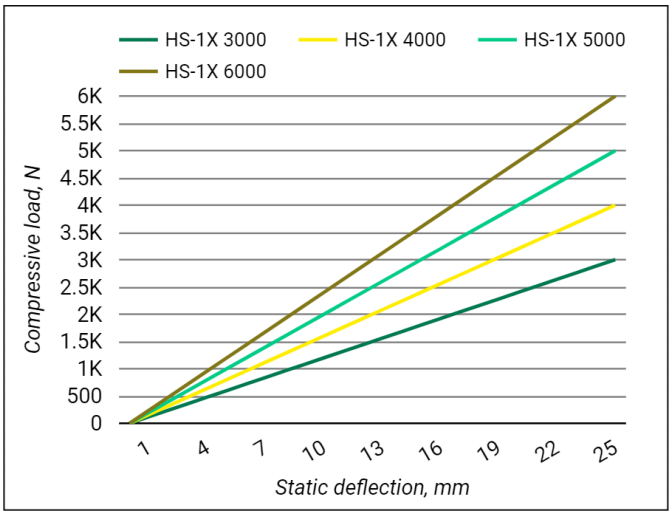
Article	Description	Dimension	Piece		Pack 1	
			[pcs]	EAN13	[pcs]	EAN13
2800701000	HS-1X Spring Hanger	1000/M12	1	8719942046091	10	8719942046107
2800701250	HS-1X Spring Hanger	1250/M12	1	8719942046121	10	8719942046138
2800701500	HS-1X Spring Hanger	1500/M12	1	8719942046152	10	8719942046169
2800702000	HS-1X Spring Hanger	2000/M12	1	8719942046183	10	8719942046190
2800703000	HS-1X Spring Hanger	3000/M12	1	8719942046213	10	8719942046220
2800704000	HS-1X Spring Hanger	4000/M12	1	8719942046244	10	8719942046251
2800705000	HS-1X Spring Hanger	5000/M12	1	8719942046275	10	8719942046282
2800706000	HS-1X Spring Hanger	6000/M12	1	8719942046305	10	8719942046312

2. Performance data

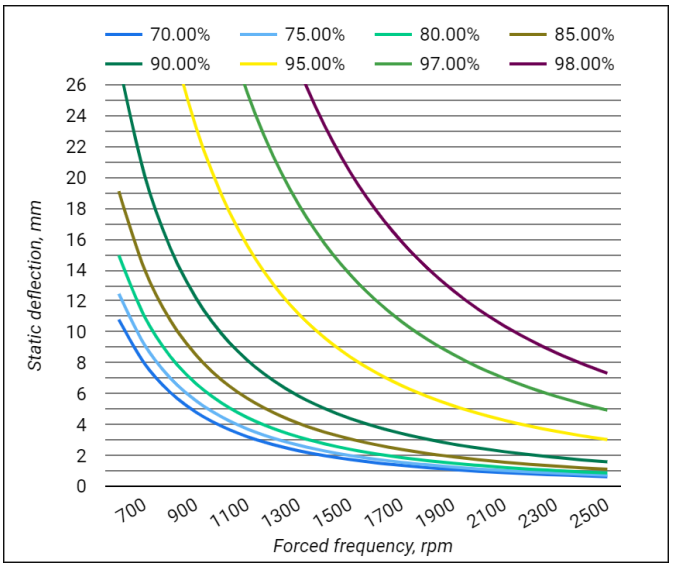
Article	Description	Dimension	Max. Deflection [mm]	Min. load [N]	Max. load [N]	Min. optimal load [N]	Max. optimal load [N]
2800701000	HS-1X Spring Hanger	1000/M12	25mm	100	1000	200	900
2800701250	HS-1X Spring Hanger	1250/M12	25mm	130	1250	250	1150
2800701500	HS-1X Spring Hanger	1500/M12	25mm	150	1500	300	1380
2800702000	HS-1X Spring Hanger	2000/M12	25mm	200	2000	400	1840
2800703000	HS-1X Spring Hanger	3000/M12	25mm	300	3000	600	2760
2800704000	HS-1X Spring Hanger	4000/M12	25mm	400	4000	800	3680
2800705000	HS-1X Spring Hanger	5000/M12	25mm	500	5000	1000	4600
2800706000	HS-1X Spring Hanger	6000/M12	25mm	600	6000	1200	5400

2.1 Static deflection

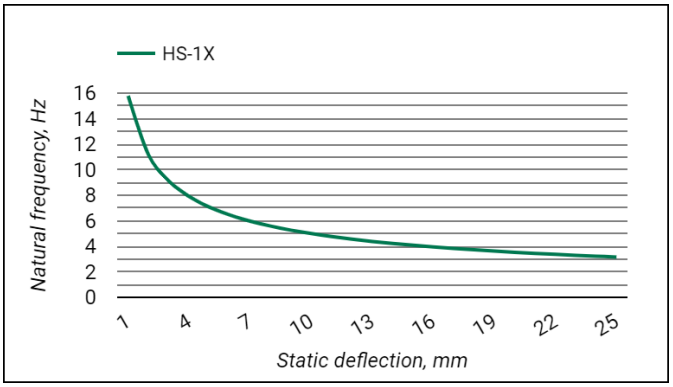




2.2 Isolation efficiency



2.3 Natural frequency



3. Dynamic properties

Description	Value
Damping factor	0.005
Average ratio Kx / Kz = Ky / Kz	≈ 0.7
Maximum transient overload % on maximum load	50 %
Working temperature	-90° C to +150 °C