



YDS UNHOUSED SPRING MOUNTS



Application

YDS spring mounts eliminate structural noise and vibration for floor mounted equipments, are typically used to reduce the transmission of noise and vibration from low speed mechanical equipments into a building structure. With proper selected and installed spring isolators offer the greatest assurance that destructive vibration and noise will be eliminated or greatly reduced.

YDS spring mounts are highly effective for controlling of both high and low frequency vibration produced by rotary wheels and propellers like pumps, packaged air handling and air conditioning equipment, centrifugal and axial fans, and reciprocating compressors like chillers, air compressors and internal combustion engines, etc.

Description

Structure

High deflection, free-standing, unhooused, large diameter, laterally stable steel springs assembled into an upper load plate and leveling assembly.

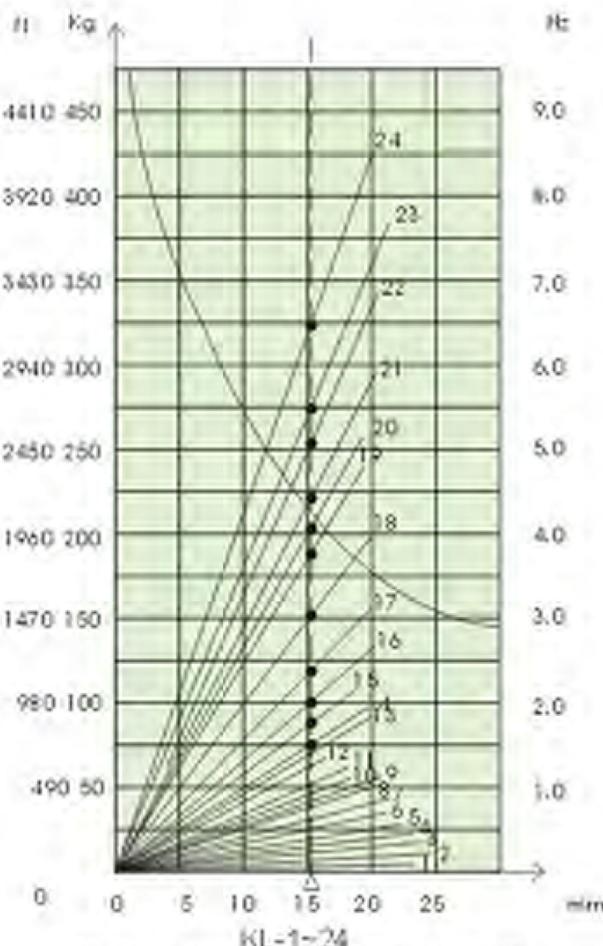
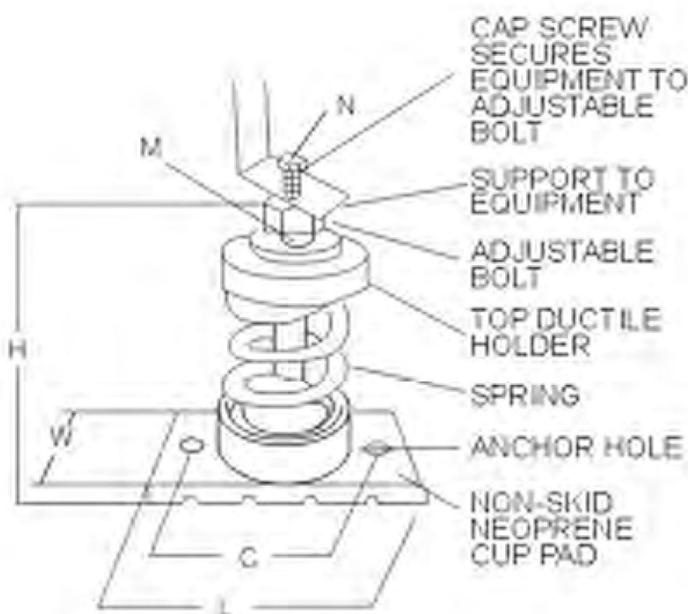
For lighter capacities, molded neoprene bottom load plates are furnished.

For heavier capacities, springs are welded to the steel bottom load plate to which a neoprene isolation pad is attached.

- The ratio of spring diameter to compressed height at rated load is not less than 0.8.
- Springs are epoxy powder coated, with 1000-hour salt spray rating.
- Neoprene friction pad acts as a sound break to minimize high frequency transmission.
- Vibration isolation efficiency is over 95%.
- Provisions on the bottom plates for bolting the isolator to the structure.
- Lateral spring stiffness greater than 1.0 times of the rated vertical stiffness to assure stability. Provide a minimum of 50% overload capacity. Springs are safe at solid loading.
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Dimensions

YDS	Model	Dimension (mm)					
		L	C	H	W	M	N
A Type	KL-1-KL-19	97	72	93	58	16	10
B Type	KL-16-KL-24	126	103	105	82	18	10
D Type	KL-1-KL-13	96	75	82	48	16	10



KL-1-24 Performance Characteristics Chart
△ Rated (Optimal) Deflection Indicated by the Dash Line