



Spring Package VT4660-B

Pre-Compressed Spring Boxes primarily used for vibration isolation of heavy machine foundation and buildings. The VT4660-serie is used where the requirement for resonance frequency is approximately 2 Hz. These isolators consist of nested springs inside reinforced steel boxes, and are pre-compressed with a specific load.

Variations



Spring Package VT4660-B2



Spring Package VT4660-B4



Spring Package VT4660-B6



Spring Package VT4660-B9



Product Characteristics

The advantages of pre-compressed isolators are:

The springs are pre-compressed to a deflection that equals a certain percentage (normally 80%) of the mass of the final building. During construction the isolator will be "released" once the pre-compression load has been applied, it will thus only deflect when the final 20% of the load is applied.

- Isolators can also be installed after construction or replaced by the use of hydraulic jacks. To achieve this all isolators must be accessible.
- By the use of nested springs the isolators can be fine tuned to a specific stiffness.

Product Applications

Pre-Compressed Spring Boxes primarily used for vibration isolation:

- Heavy machine foundation
- Buildings

- The springs are design to withstand blocking (complete coil contact) without exceeding stress limits and causing plastic deformation.
- To minimize the effect of coil resonance in the springs the contact surfaces in the steel box are covered with an elastomer layer.

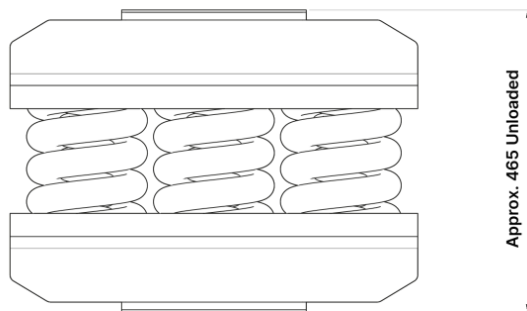
Spring material: 51CrV4 manufactured according to DIN 2096.

Finishing: shot peening + black powder coating alternatively Delta Magni Seal

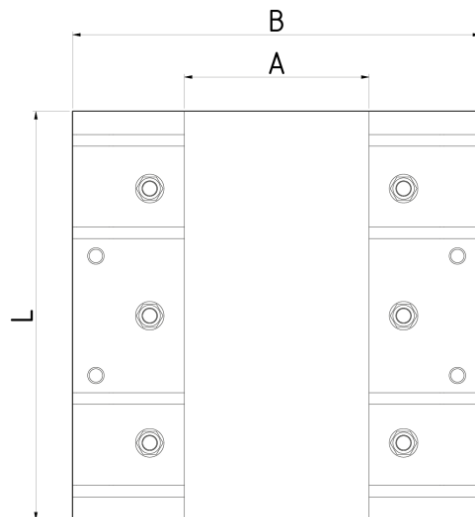
Welded steel structure: mild steel S355 painted with primer and top coat.

Workmanship and tolerances in accordance with ISO 2768-1 Class M.

Technical Specifications



VT4660-BAXYP
 VT46 = series
 60 = max. deflection
 BA = box type (2, 4, 6 or 9 springs)
 X = number of OUTER springs
 Y = number of INNER springs
 P = Pre compressed



Dimensions & Load range

Ref.	L	B	A	Load Range
	(mm)	(mm)	(mm)	(kN)
VT4660-B2	540	250	240	155 - 250
VT4660-B4	540	540	340	235 - 500
VT4660-B6	740	500	300	390 - 750
VT4660-B9	740	740	340	625 - 1120

Downloads



vt4660-b



Contact information

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