



The Cushymount™ "K" Series Mountings have been developed primarily for the suspension of medium speed diesel units used for marine main propulsion and auxiliary power generation applications, but may also be considered for rail locomotive traction power units, gas turbines and compressors.

The robust construction of the mount is designed to accommodate high shock forces, incorporating an integral buffer to limit vertical and horizontal displacement of the suspended equipment without the need for external limiting devices.

Technical drawing of a 17-1921 bearing housing, showing three views: side, front, and top.

Side View: Shows the housing with a central bore and a flange. Dimensions include B (flange thickness), A (total height), and K_z (vertical force).

Front View: Shows the housing with a central bore and a flange. Dimensions include 106 (flange width), 106 (flange height), 106 (flange thickness), 50 (flange thickness), 106 (flange thickness), 128 nom (flange thickness), 100 (central bore diameter), 289 nom (total width), $4 \times \text{Ø}17.5$ (mounting holes), and $4 \times \text{M}16$ (mounting holes). Forces K_y (horizontal) and K_x (vertical) are indicated. The part number 17-1921 is shown below.

Top View: Shows the housing with a central bore and a flange. Dimensions include 135 (flange width), 135 (flange height), $4 \times \text{Ø}25$ (mounting holes), 135 (flange thickness), 75 (flange thickness), 178 nom (flange thickness), 150 (central bore diameter), 384 nom (total width), and $4 \times \text{M}2$ (mounting holes). The part number 17-1872 is shown below.

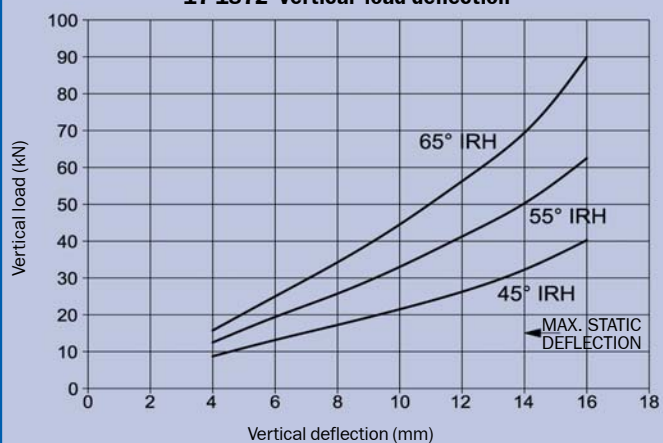
Product No.	A	B	Weight kg	Nominal Rubber Hardness	Maximum load capacity (kN)	Nominal Deflection at Max load (mm)
17-1921	144	12	32	45	20	10
				55	38	10
				65	50	10
17-1872	195	20	50	45	35	14
				55	55	14
				65	80	14

Product No.	Ky	Kx	Kz
17-1921	2.7	1	1
17-1872	1.6	0.6	1

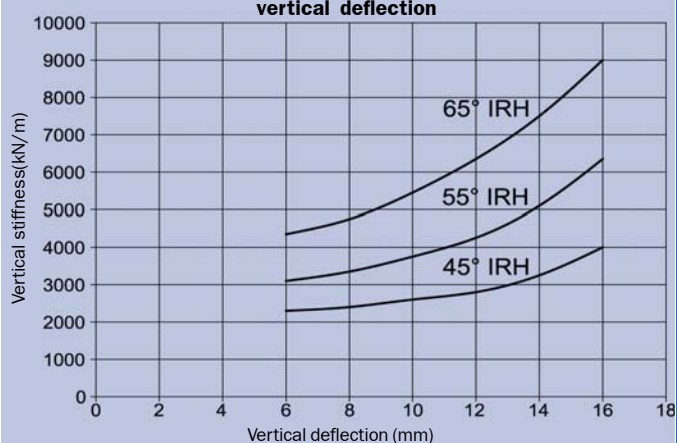
For more detailed stiffness characteristics, see overleaf.

Metalastik® type Cushymount™ 'K'

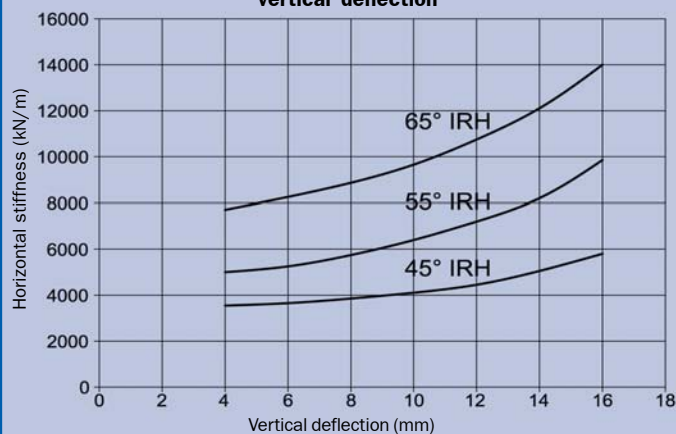
17-1872 Vertical load-deflection



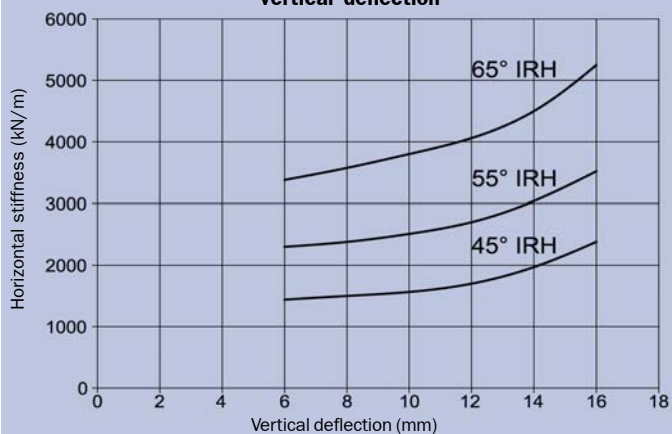
17-1872 Vertical stiffness variation vs vertical deflection



17-1872 Horizontal stiffness variation (K_v) vs vertical deflection

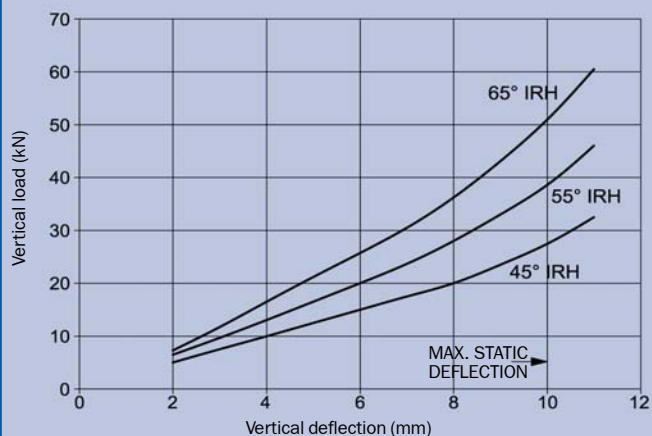


17-1872 Horizontal stiffness variation (K_x) vs vertical deflection

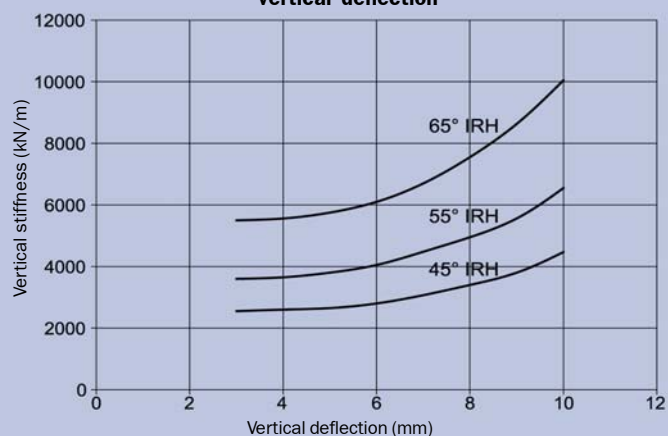


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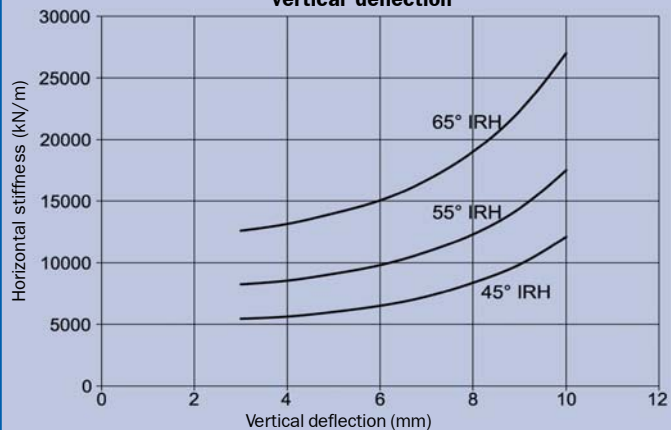
17-1921 Vertical load-vertical deflection



17-1921 Vertical stiffness variation vs vertical deflection



17-1921 Horizontal stiffness (K_y) variation vs vertical deflection



17-1921 Horizontal stiffness (K_x) variation vs vertical deflection

