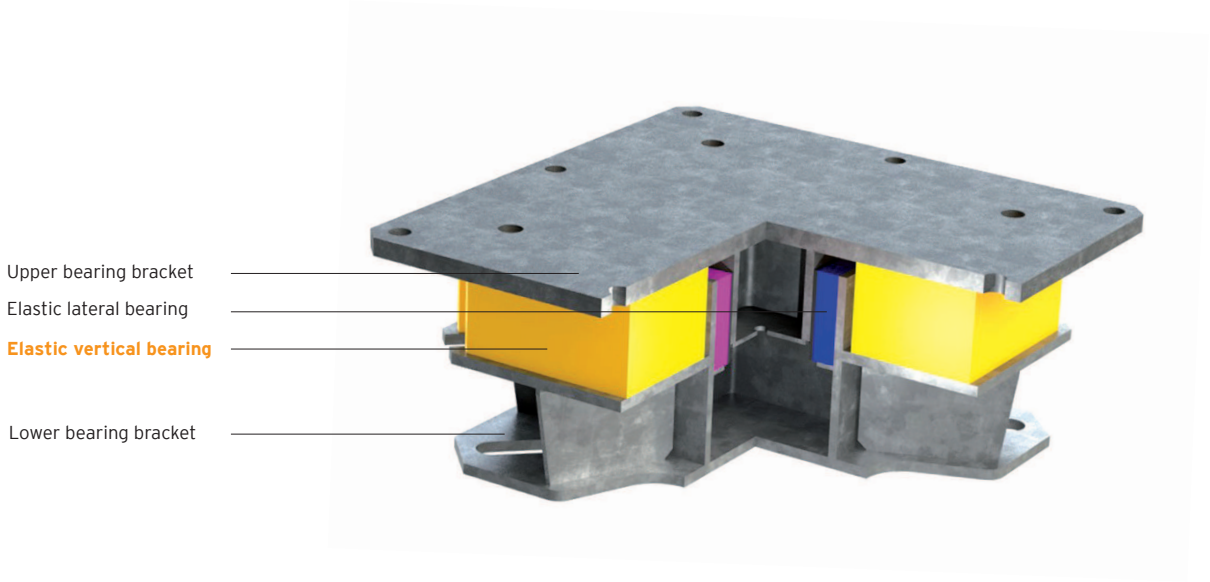
Table Foundation Bearing TFB XT
Product Data Sheet

getzner
the good vibrations company



Product properties	
Material	Closed cellular polyurethane elastomer (PUR), Galvanised steel
System design	Spring assembly made out of steel and elastomer components
Length upper bearing bracket	600 mm (23.6 inches)
Width upper bearing bracket	600 mm (23.6 inches)
Length lower bearing bracket	500 mm (19.7 inches)
Width lower bearing bracket	500 mm (19.7 inches)
Unloaded installation height	255 mm (10.0 inches), Optionally delivery under pre stressed condition
Mass	160 kg (352 pounds)
Mounting	– Screw joint to the structure – Optionally delivery with shear connecter plate for appliance with concrete
Installation	– According installation guideline – Consider specifications of structural engineer – Consider specifications of plant manufacturer
Usability	Elastomer: general building inspection test certificate (abP) Steel: certificated structural strength

All information and data are based on our current knowledge. The data can be applied for calculations and as guidelines, are subject to typical manufacturing tolerances, and are not guaranteed. We reserve the right to amend the data.

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Type designation		TFB XT 130	TFB XT 320	TFB XT 420
Range of use	vertical forces*	80 kN – 130 kN	130 kN – 320 kN	320 kN – 420 kN
	lateral forces	≤ 60 kN	≤ 60 kN	≤ 60 kN
	lifting forces	≤ 50 kN	≤ 50 kN	≤ 50 kN

* Higher permanent loads can be transfered by customised solutions which can influence the natural frequency.

Load deflection curve

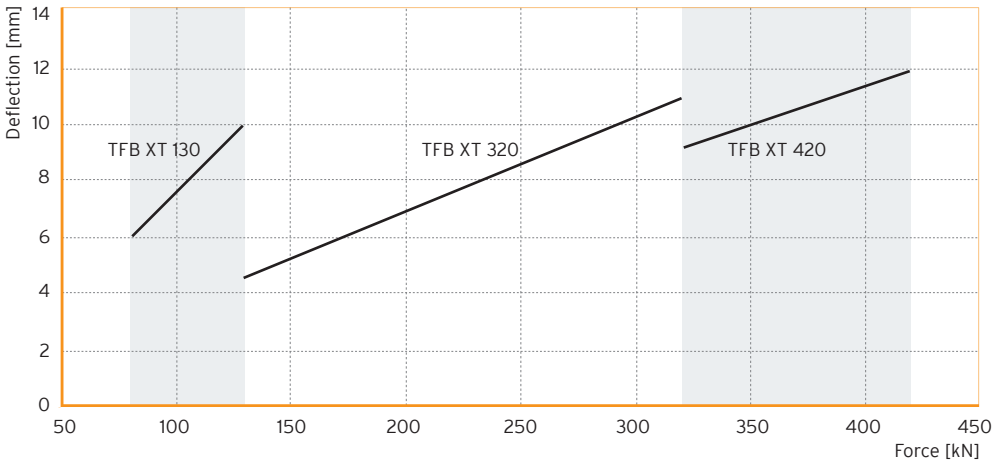

Figure 1: Quasistatic load delection curve measured with a velocity of deformation of 1 mm per second

Testing between flat steel-plates; recording of the 3rd loading; with linearized running-in range; testing at room temperature

Natural frequency

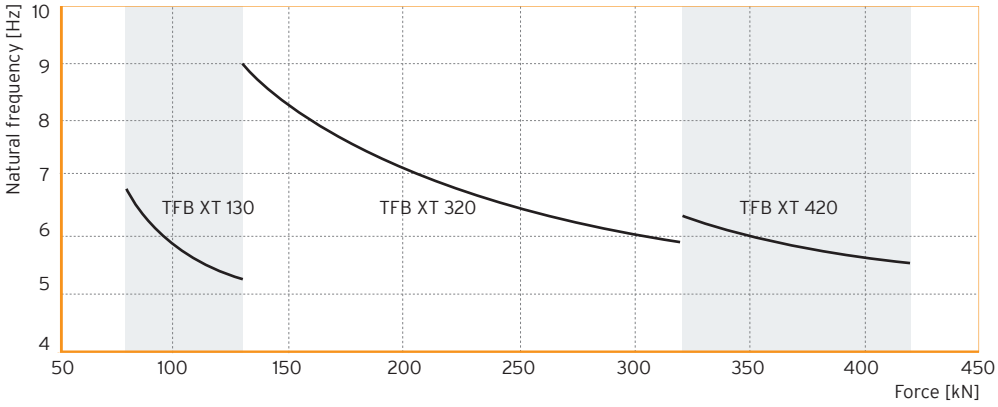

Figure 2: Natural frequency of a single-degree-of-freedom system (SDOF system) consisting of a fixed mass and an elastic bearing consisting of Sylodyn® based on a stiff subgrade