

GERB

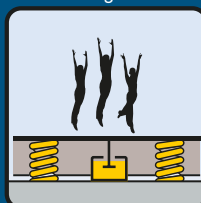


NOVODAMP® NCP 100

NOISE CONTROL PADS

Technical Product Data

Floating floors



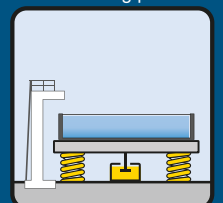
Room-in-room systems



Helipads

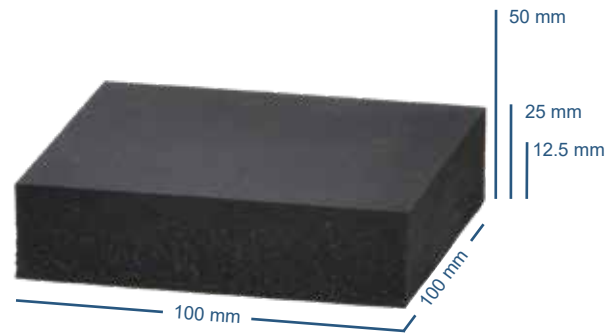


Swimming pools



NOVODAMP® NCP 100 is a polyurethane bearing for noise-control, especially designed to control noise and vibration problems in **projects with required support frequencies between 8 Hz and 30 Hz**.

The NOVODAMP® NCP 100 series contains different pad types, dimensioned 100 x 100 mm, with a **static load range from 0.2 kN to 8.4 kN** each. They are available in three thicknesses of 12.5, 25 and 50 mm.



HOW TO CHOOSE THE CORRECT PAD

Step 1

Targeted natural frequencies are determined by the pad thickness:

Natural frequency [Hz]	Thickness [mm]
8 — 13	50
13 — 18	25
18 — 30	12.5

Step 2

Required material type is selected by the bearing load:

Static load range [kN]	Material type
0.2 — 0.6	M010
0.4 — 1.2	M018
0.8 — 2.4	M035
1.2 — 3.6	M060
1.8 — 5.4	M100
2.8 — 8.4	M150

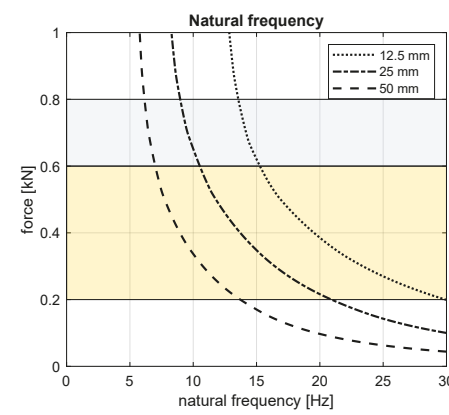
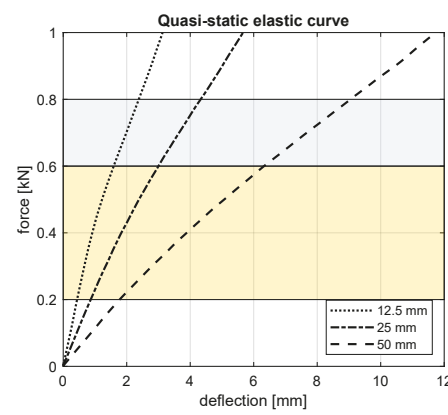
In the following diagrams, detailed load deflection and load frequency curves are shown for each type of NOVODAMP® NCP 100. The **static load range** is shown by the lower yellow area. Within, the pad can be used with a static permanent load. The **dynamic reserve** is shown by the upper grey range and means the load reserve for additional dynamic loads. The **peak load** is the maximum limit for short term, infrequent loads without material damage.

NOVODAMP® NCP 100/12.5 M010
100/25.0 M010
100/50.0 M010

Static load range
0.2 — 0.6 kN

Dynamic reserve
max. 0.8 kN

Peak loads
max. 2.0 kN

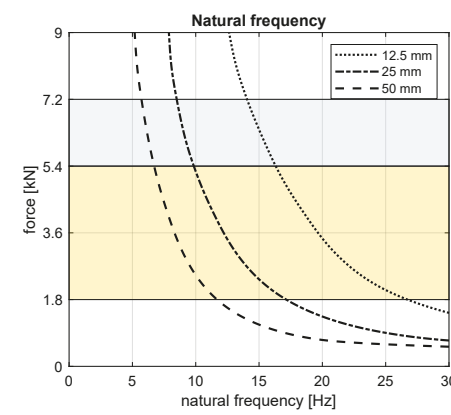
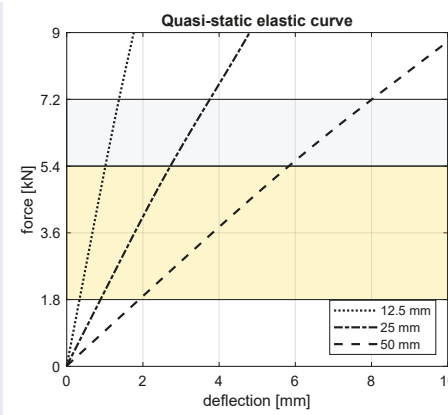


NOVODAMP® NCP 100/12.5 M100
100/25.0 M100
100/50.0 M100

Static load range
1.8 — 5.4 kN

Dynamic reserve
max. 7.2 kN

Peak loads
max. 15.0 kN

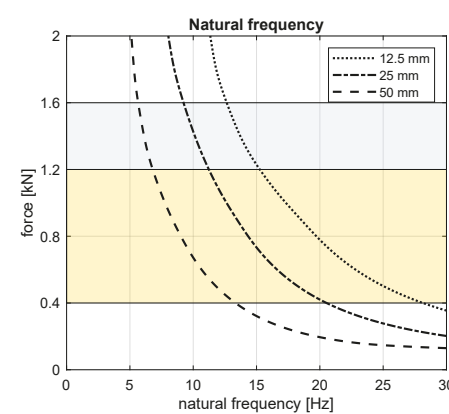
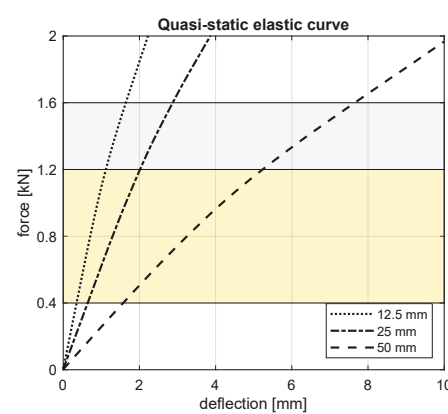


NOVODAMP® NCP 100/12.5 M018
100/25.0 M018
100/50.0 M018

Static load range
0.4 — 1.2 kN

Dynamic reserve
max. 1.6 kN

Peak loads
max. 3.0 kN

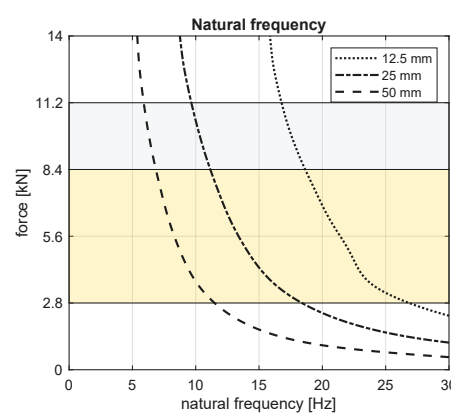
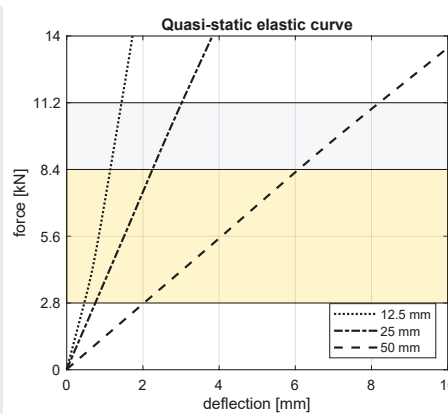


NOVODAMP® NCP 100/12.5 M150
100/25.0 M150
100/50.0 M150

Static load range
2.8 — 8.4 kN

Dynamic reserve
max. 11.2 kN

Peak loads
max. 20.0 kN

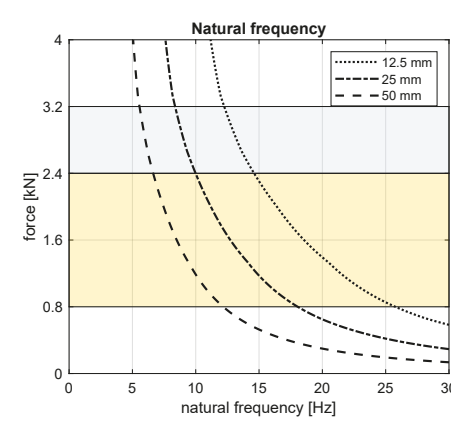
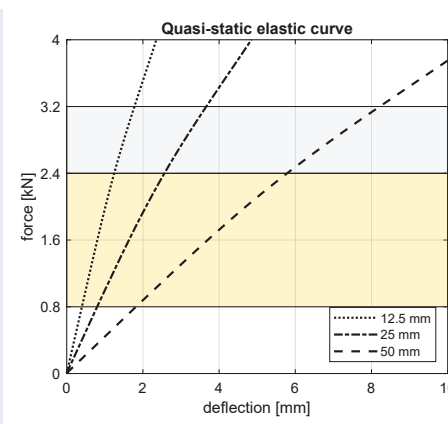


NOVODAMP® NCP 100/12.5 M035
100/25.0 M035
100/50.0 M035

Static load range
0.8 — 2.4 kN

Dynamic reserve
max. 3.2 kN

Peak loads
max. 6.0 kN

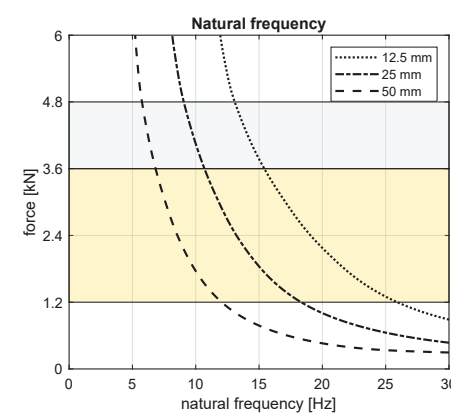
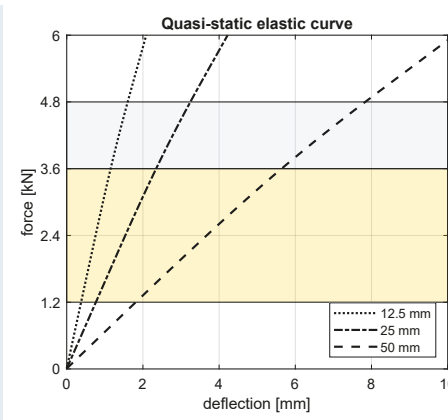


NOVODAMP® NCP 100/12.5 M060
100/25.0 M060
100/50.0 M060

Static load range
1.2 — 3.6 kN

Dynamic reserve
max. 4.8 kN

Peak loads
max. 9.0 kN



GERB

worldwide



Vibrations can be controlled
wherever they occur

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