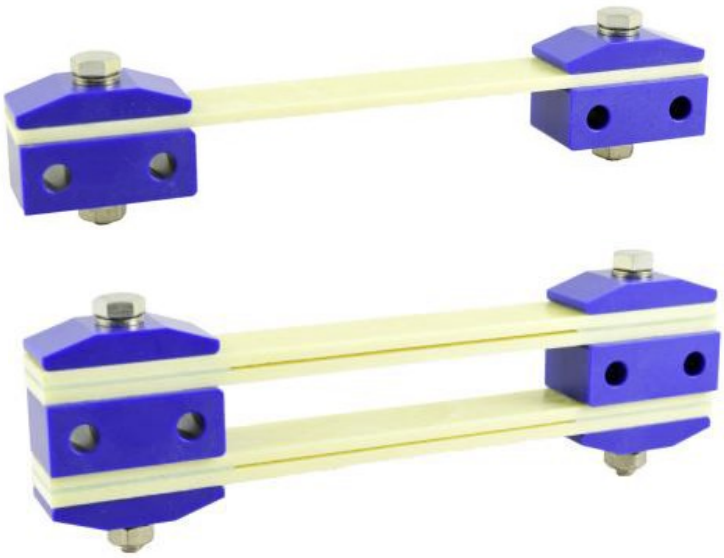
Copenhagen Vibrator Products

Blade Springs

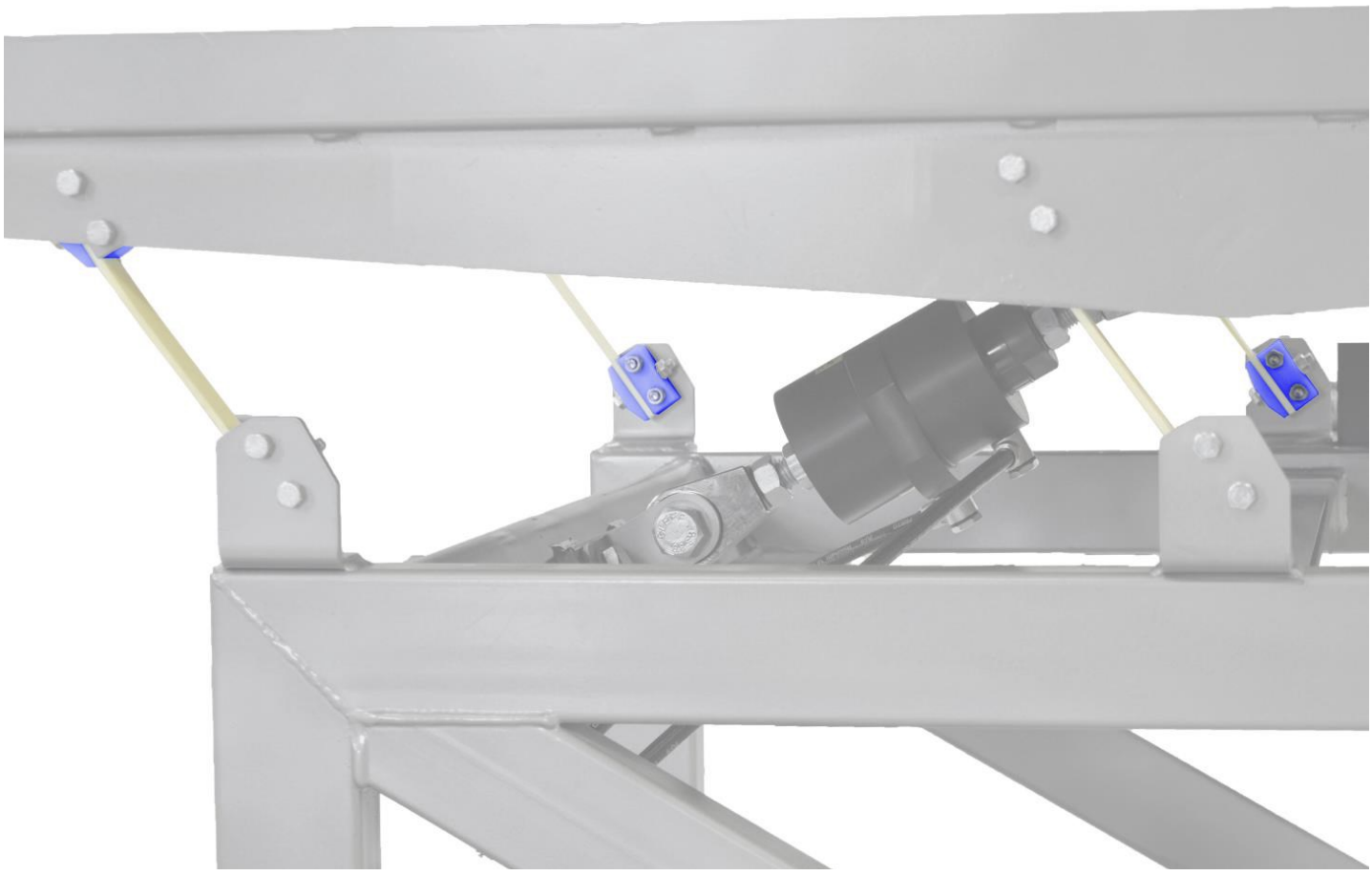


- **Directional Vibration Control**
- **Hygienic Design**
- **No Maintenance**
- **Long Service Life**
- **Easy Configuration**

Fibreglass epoxy resin springs for the best directional vibration in conjunction with pneumatic piston vibrators

Efficient vibration isolation, that ensures optimal transfer of vibration energy to the application

Suitable for mounting and vibration isolation of vibration conveyors, sieves, separators and transport



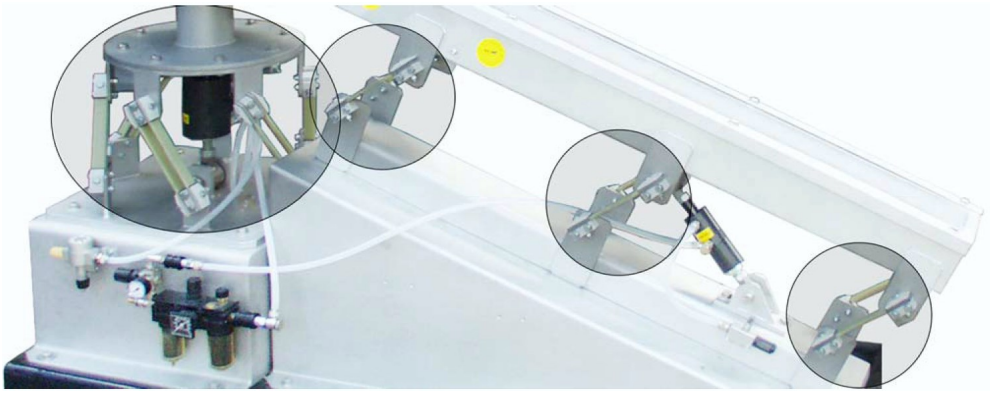
Blade Springs

Application
Conveyor systems with a low tare weight can be quickly and easily built with blade spring combinations. These include, among other things, transport chutes, conveyor troughs for dosing and sieves. A low tare weight of the conveyor system saves energy. Resonance conveyor systems with large amplitudes are suitable for drying and airing bulk materials.

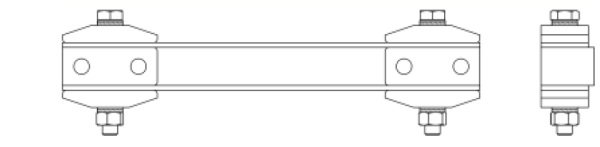
Design and function
The arrangement of the blade springs may be linear or circular. The distance to the bearing positions should not exceed 1 m when the arrangement is linear. The attachment of the vibrator to the conveyor system is variable due to the steering duct of the blade springs.

Special features
The blue clamps enable good detectability, which is an advantage in the food industry, We optionally supplies versions or variations which comply with the FDA for potentially explosive areas according to ATEX.

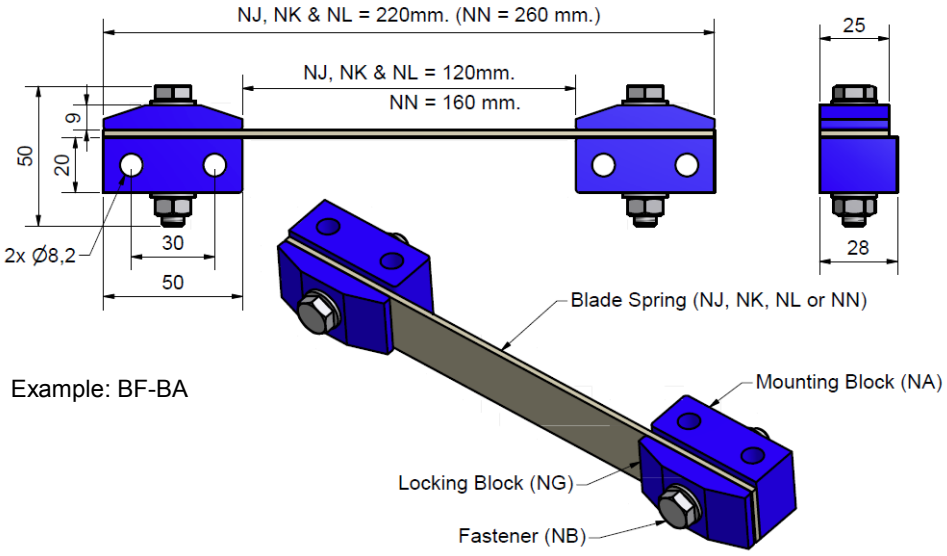
The maximum permissible ambient temperature is 70 °C.



Technical Specifications

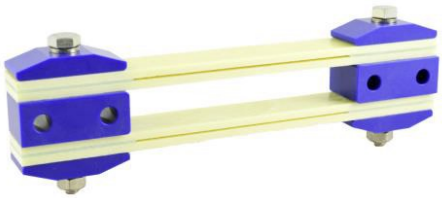
Type	Resonance Weight [Kg.]		Blade Springs consist of: 2 x Locking Blocks (NG) 2 x Fasteners (NB) 2 x Mounting Block (NA)	Spring Plate Combinations	
	400 mm^{-1}	600 mm^{-1}			
BA	2,30	1,02	1 x Spring Plate	NJ	
BB	3,87	1,72		NK	
BC	8,28	3,68		NL	
BE	11,15	4,96		NN	
CA	5,48	2,44	2 x Insert Spring (NH) 2 x Spring Plate	NJ	
CB	7,88	3,50		NK	
CC	16,28	7,24		NL	
DA	4,71	2,09	2 x Spring Plate 2 x Locking Block (NG)	NJ	
DB	8,45	3,76		NK	
DC	17,02	7,56		NL	
DE	29,84	13,26		NN	
FA	7,14	3,17	2 x Insert Spring (NH) 3 x Spring Plate 2 x Locking Block (NG)	NJ	
FB	12,13	5,39		NK	
FC	25,41	11,29		NL	
EA	9,57	4,25	4 x Insert Spring (NH) 4 x Spring Plate 2 x Locking Block (NG)	NJ	
EB	16,63	7,39		NK	
EC	37,87	16,83		NL	

Blade Springs



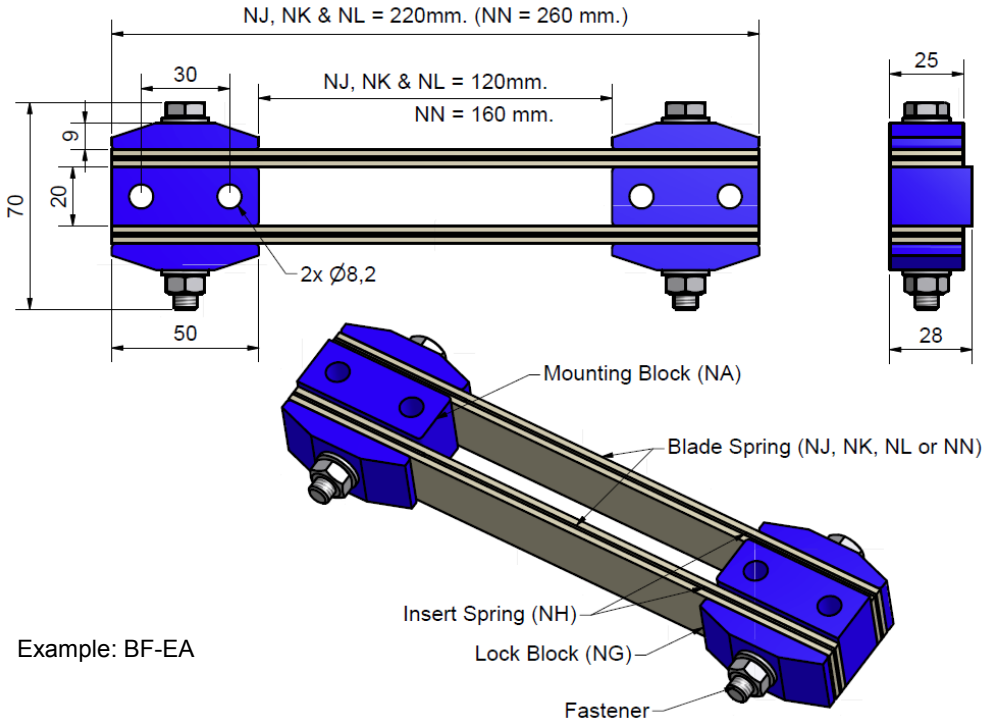
Example: BF-BA

$$\frac{\text{Weigh of conveyor}}{\text{Resonance Weight}} = \text{Quantity of required springs}$$



Dimensions

Type	Dimensions [mm]	Free Length [mm]	Max. Stroke [mm]
NJ	2,5 x 25 x 220	120	19
NK	3,0 x 25 x 220	120	16
NL	4,0 x 25 x 220	120	12
NN	6,0 x 25 x 260	160	14



Example: BF-EA

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