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Technical Data Sheet
Blade Spring Combinations
Fibreglass Epoxy Resin Springs

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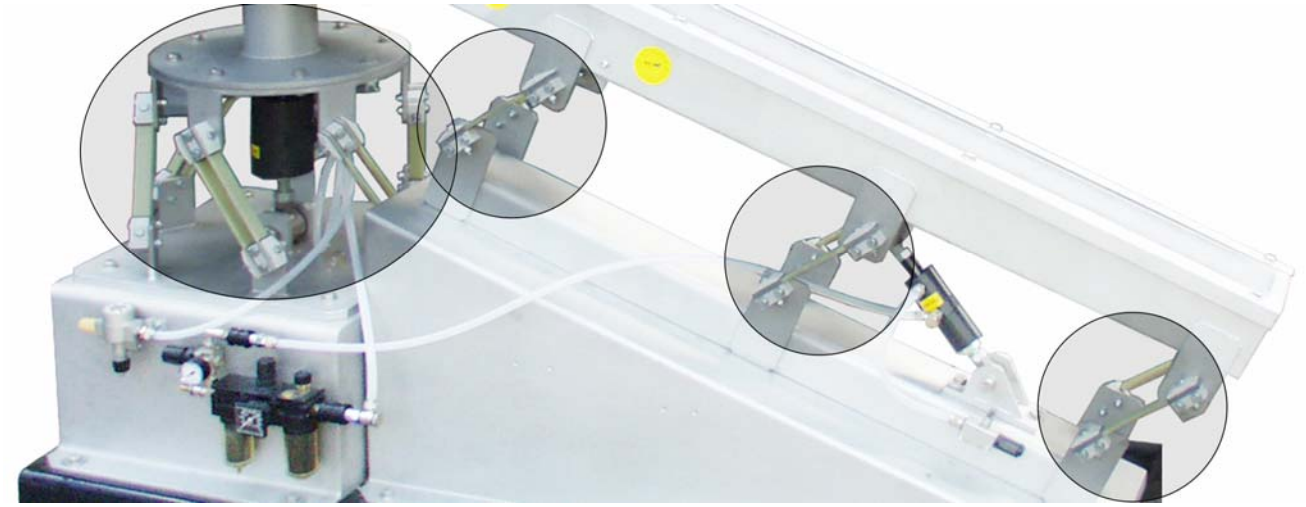
Conveying systems with low weight are quick and easily producible with blade spring combinations. The configuration of the blade springs may be linear or circular. In a linear configuration, the spacing between the bearing points is app. 1 m.
General areas of application are sieves, conveyors and dosing conveyors.

Inserts have to be mounted between the blade springs and other structural components.
Other parts must not touch the blade springs.

The maximum admissible ambient temperature is 70°C.



Circular and linear configuration of blade springs

Blade springs			
Type	**Dimensions** [mm]	**Free length** [mm]	**max. stroke** [mm]
NJ	2,5 × 25 × 220	120	19
NK	3,0 × 25 × 220	120	16
NL	4,0 × 25 × 220	120	12
NN	6,0 × 25 × 260	160	14

Serving industry with vibration

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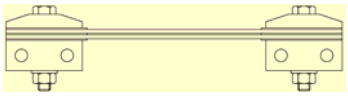
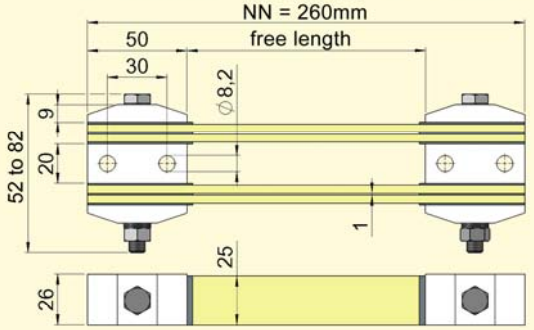
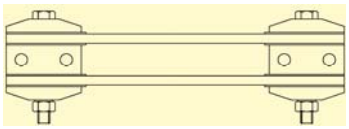
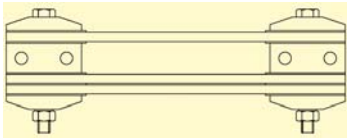
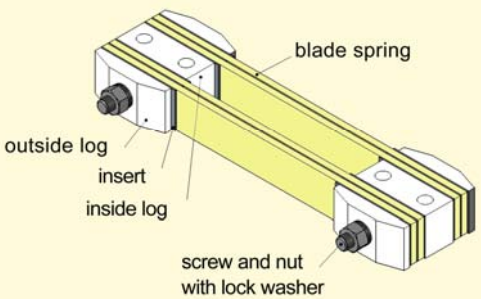
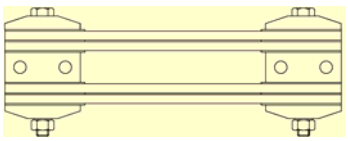
Blade spring combination	Resonance weight [kg] at 400 min^{-1}	at 600 min^{-1}	Blade spring combination consisting of: 2 × inside log, 2 × scew, nut and lock washer, 2 × outside log and additional	Spring type
BA	2,30	1,02	4 × insert, 1 × blade spring	NJ
BB	3,87	1,72		NK
BC	8,28	3,68		NL
BE	11,15	4,96		NN
CA	5,48	2,44	6 × insert, 2 × blade spring	NJ
CB	7,88	3,50		NK
CC	16,28	7,24		NL
DA	4,71	2,09	8 × insert, 2 × blade spring 2 × outside log	NJ
DB	8,45	3,76		NK
DC	17,02	7,56		NL
DE	29,84	13,26		NN
FA	7,14	3,17	10 × insert, 3 × blade spring 2 × outside log	NJ
FB	12,13	5,39		NK
FC	25,41	11,29		NL
EA	9,57	4,25	12 × insert, 4 × blade spring 2 × outside log	NJ
EB	16,63	7,39		NK
EC	37,87	16,83		NL

The resonance frequency of a blade spring depends on the propping weight that must be supported.
Therefore the resonance weight is indicated for each type of blade spring.



	**blade spring combinations BA to BE**	The quantity of the blade springs follows the formula: $\frac{\text{weight of conveyor}}{\text{resonance weight}}$ = quantity of required springs
	**blade spring combinations CA bis CC**	types of blade springs NJ, NK and NL = 220mm NN = 260mm 
	**blade spring combinations DA bis DE**	
	**blade spring combinations FA bis FC**	
	**blade spring combinations EA bis EC**	