

BECA

Natural frequency : (1)
8 to 14 Hz

DESCRIPTION

The BECA mount comprises one piece elastomer bonded to a top and bottom plate.

- Top plate : smooth or threaded (welded nut) hole.
- Bottom plate : fixing lugs or direct bearing on the ground.
- Bonded rubber.
- Domed rubber ring.
- Anti-slip bead or grooved anti-slip sole.
- Removable protective top cover : protects the rubber and distributes the load.

OPERATION

The design of the BECA mount gives the following basic characteristics :

- transverse elasticity approximately the same as the axial elasticity (equifrequency);
- rubber works in compression;
- progressive buffer against shocks or accidental overload;
- anti-slip (may be placed directly on the ground).

Advantages

- The machine may be placed (with its mounts) directly on the ground.
- Very slim.
- Speed of fixing.
- Simple removal of the assembly.
- Extensive range : 3 hardnesses of rubber for 6 existing sizes, allowing the mounting to be optimised as a function of the load and stimulation frequency.
- A choice of 3 fixing styles.

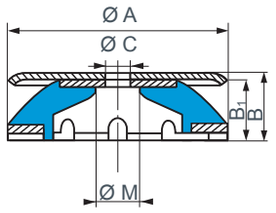
Recommendations

- In order not to affect the suspension of the machine, all external connections must be flexible.
- BECA mount can be used for fixed, well-balanced rotating machinery, otherwise a ballasting slab should be used.

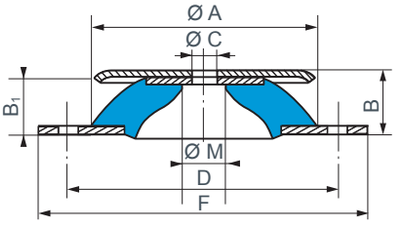
1) the indicated natural frequency, are valid for the maxi loads of the ranges of use quoted in the paragraph : TECHNICAL CHARACTERISTICS.

DIMENSIONS

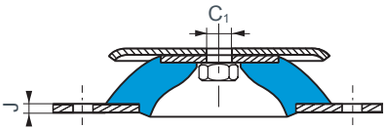
Section XX'

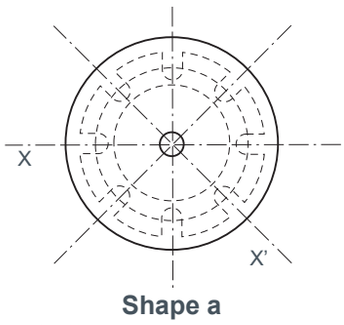


Section XX'

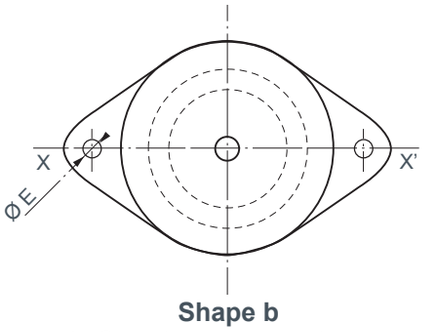


Section XX'

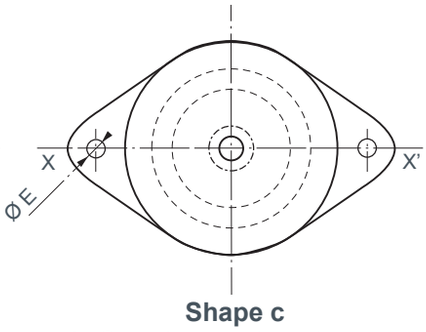




Shape a
BECA with anti-slip base



Shape b
BECA with lugs, smooth hole



Shape c
BECA with lugs, threated hole

Type	Hardness	Reference			Ø A (mm)	B (mm)	B1 (mm)	Ø C (mm)	C1	D (mm)	Ø E (mm)	F (mm)	J (mm)	Ø M (mm)	Weight (g)
		anti-slip base	Diamond base												
		Smooth hole Shape a	Smooth hole Shape b	Threaded hole Shape c											
Ø 40	45.60	-	-	**533641***	40	20	18	-	M6	52	6,2	64	2	19	50
Ø 60	45.60.75	-	-	**533661**	60	24	22,5	-	M6	76	6,2	90	2	18	140
Ø 80	45.60.75	-	**533581**	**533681**	80	27	25	8,1	M8	100	8,2	120	2	22	250
Ø 100	45.60.75	**533108**	-	-	100	30	28	10,2	-	-	-	-	-	22	420
Ø 100	45.60.75	-	**533109**	**533609**	100	27,5	25,5	10,2	M10	124	10,2	148	2,5	22	460
Ø 150	45.60.75	**533151**	-	-	150	41	38	14,2	-	-	-	-	-	34	1220
Ø 150	45.60.75	-	**533152**	**533652**	150	39	36	14,2	M14	182	12,2	214	4	34	1340
Ø 200	45.60.75	**533202**	-	-	200	46	42	18	-	-	-	-	-	44	2750
Ø 200	45.60.75	-	**533203**	**533623**	200	44	40	18	M18	240	14,5	280	5	44	3030

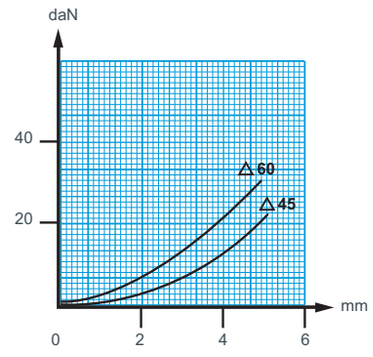
See current price list for availability of items.
* Ø M40, M6 - RAPID nut - max. torque : 3 N.m.

OPERATING CHARACTERISTICS

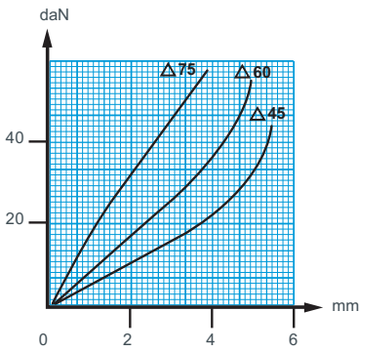
Nominal static load (daN)	Deflection (mm)	Type	Hardness
1 - 4	2	Ø 40	45
2 - 10	2,5	Ø 40	60
3 - 15	3	Ø 60	45
6 - 25	3	Ø 60	60
11 - 45	3	Ø 60	75
11 - 45	4,5	Ø 80	45
20 - 80	4,5	Ø 80	60
22 - 90	4	Ø100	45
30 - 120	4	Ø 80	75

Nominal static load (daN)	Deflection (mm)	Type	Hardness
30 - 130	7	Ø 150	45
40 - 160	4	Ø 100	60
50 - 220	4	Ø 100	75
60 - 250	7	Ø 150	60
85 - 350	6	Ø 150	75
125 - 500	7	Ø 200	45
200 - 825	7	Ø 200	60
310 - 1250	6	Ø 200	75

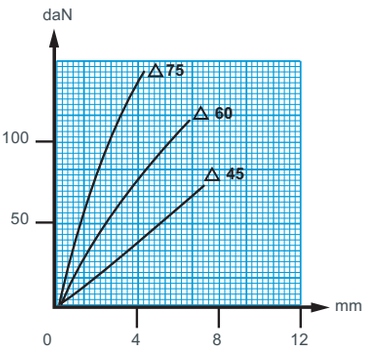
LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION



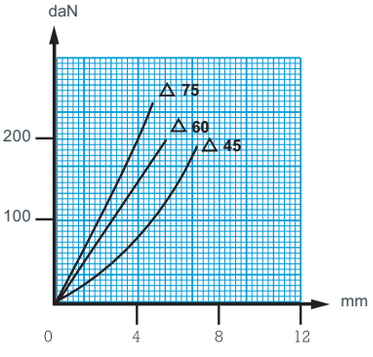
Beca Ø 40



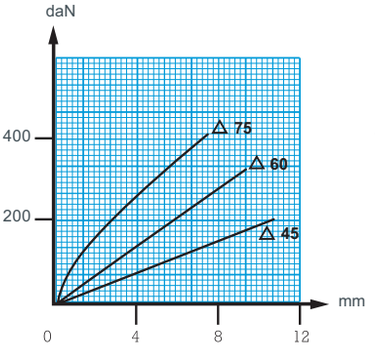
Beca Ø 60



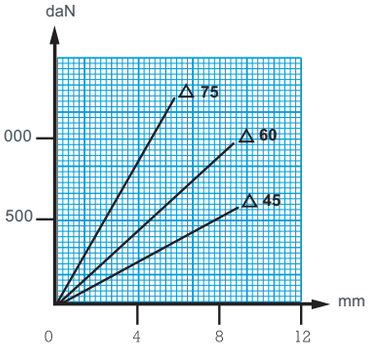
Beca Ø 80



Beca Ø 100

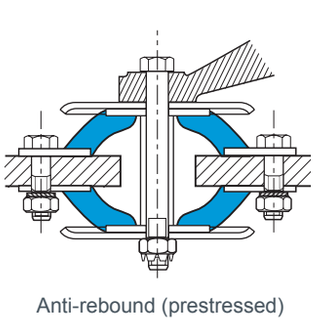


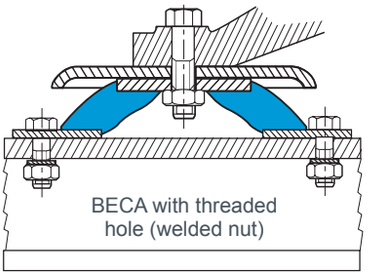
Beca Ø 150

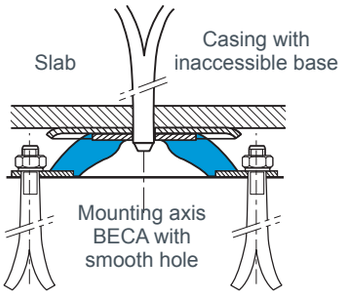


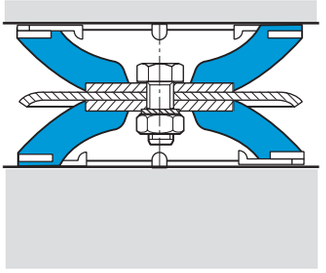
Beca Ø 200

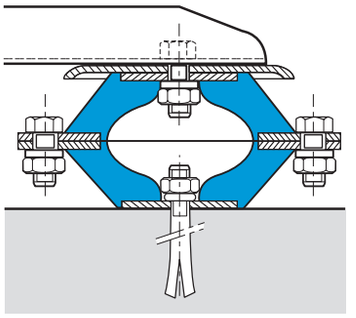
ASSEMBLY

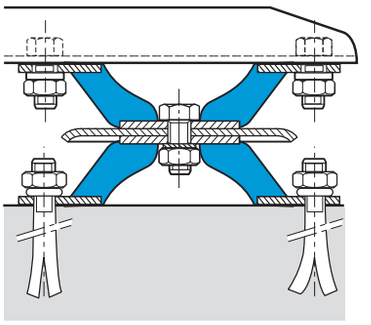

Anti-rebound (prestressed)











BECA mounts in tandem (to double the deflection)

All of our mounts are identified by conventional markings, either a paint spot or figures indicating the hardness: grey = hardness 45, green = hardness 60, blue = hardness 75.