



## 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 (equipfrequency);
- rubber works in compression;
- progressive buffer against shocks or accidental overload;
- anti-slip (may be placed directly on the ground).

### Advantages

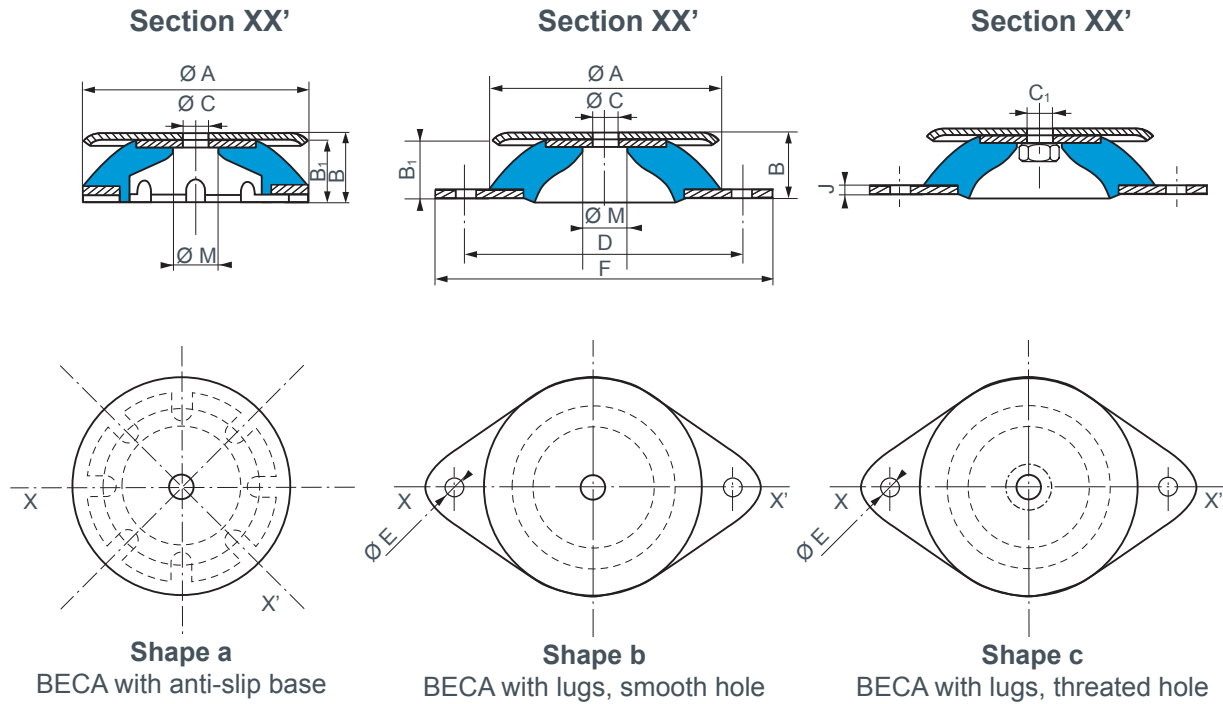
- The machine may be placed (with its mounts) directly on the ground.
- Very slim.
- Speed of fixing.
- Simple removal of the assembly.
- Extensive range : 3 hardnesses of rubber for 6 existing sizes, allowing the mounting to be optimised as a function of the load and stimulation frequency.
- A choice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



| 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       |

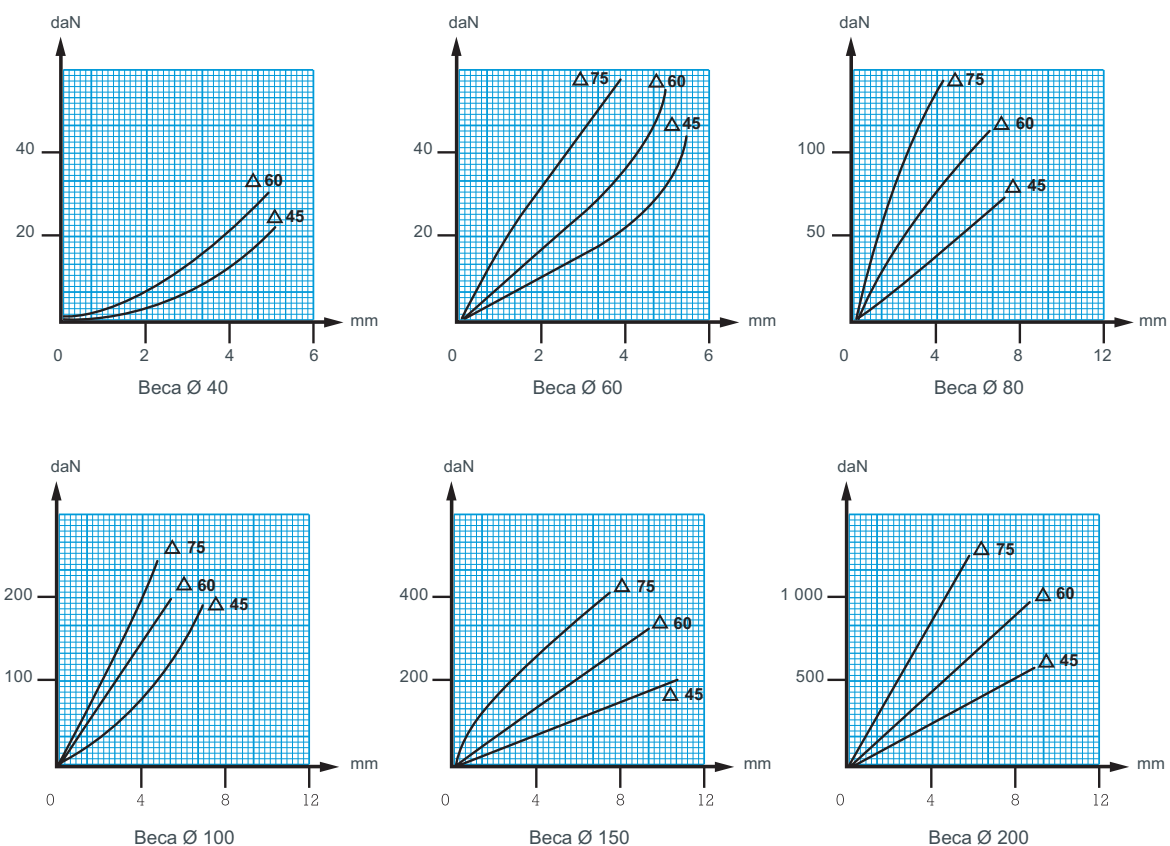
See current price list for availability of items.

\* Ø M40, M6 - RAPID nut - max. torque : 3 N.m.

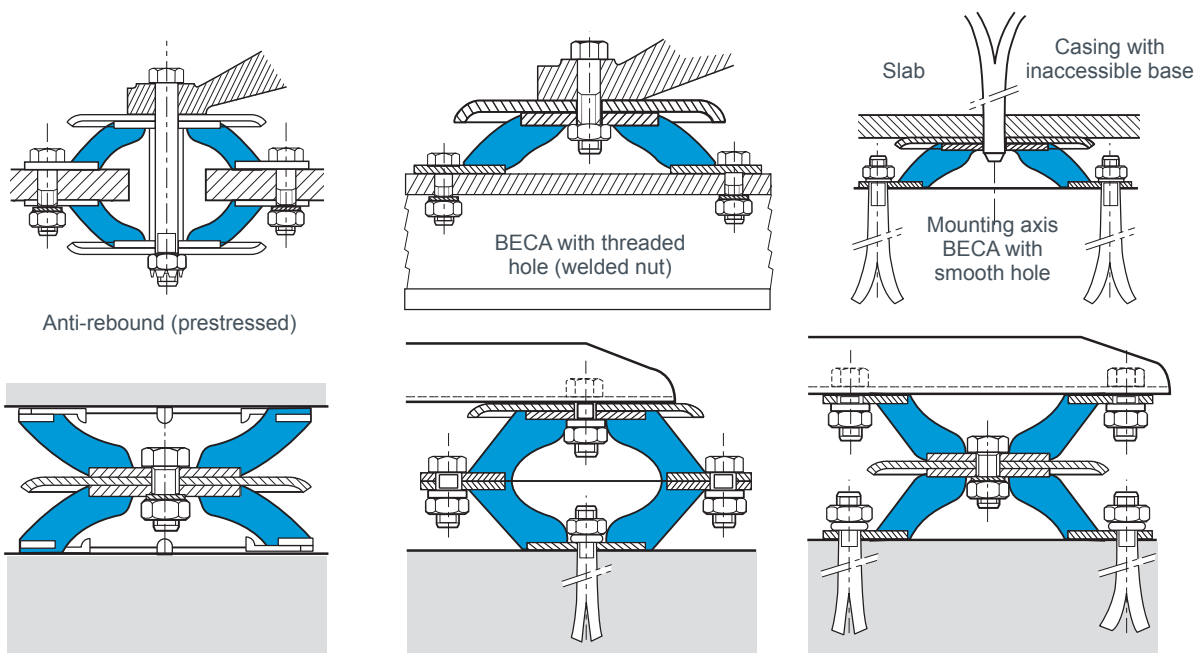
# OPERATING CHARACTERISTICS

| Nominal static load (daN) | Deflection (mm) | Type  | Hardness | Nominal static load (daN) | Deflection (mm) | Type  | Hardness |
|---------------------------|-----------------|-------|----------|---------------------------|-----------------|-------|----------|
| 1 - 4                     | 2               | Ø 40  | 45       | 30 - 130                  | 7               | Ø 150 | 45       |
| 2 - 10                    | 2,5             | Ø 40  | 60       | 40 - 160                  | 4               | Ø 100 | 60       |
| 3 - 15                    | 3               | Ø 60  | 45       | 50 - 220                  | 4               | Ø 100 | 75       |
| 6 - 25                    | 3               | Ø 60  | 60       | 60 - 250                  | 7               | Ø 150 | 60       |
| 11 - 45                   | 3               | Ø 60  | 75       | 85 - 350                  | 6               | Ø 150 | 75       |
| 11 - 45                   | 4,5             | Ø 80  | 45       | 125 - 500                 | 7               | Ø 200 | 45       |
| 20 - 80                   | 4,5             | Ø 80  | 60       | 200 - 825                 | 7               | Ø 200 | 60       |
| 22 - 90                   | 4               | Ø 100 | 45       | 310 - 1250                | 6               | Ø 200 | 75       |
| 30 - 120                  | 4               | Ø 80  | 75       |                           |                 |       |          |

# LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION



## ASSEMBLY



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.