



## Description

### Material:

- body:** aluminium, silver passivated;
- pin:** steel, case-hardened, galvanized; thermoplastic POM, white;
- spring:** stainless steel; steel, blackened; steel+, galvanized.

### Characteristics:

- spring:** stainless steel, light spring load; steel, standard spring load; steel+, heavy spring load;
- assembly:** installation by pressing in;
- suitable mounting tools (BA42) are available;
- to be used for positioning and applying pressure;
- F (N) and F1 (N) in the table is the (maximum) average statistical value of the spring force;
- temperature range for the thermoplastic pins to a maximum of 80°C; for the steel pins to a maximum of 250°C.

### Formula:

Formula for calculating the center distance for the mounting hole:

- $L3 = L5/2 + L6 + x$ ;
- L3 = center distance;
- L4 = work piece height;
- L6 = work piece length;
- L1 = stroke;
- L5 = stop diameter;

Calculation dimension x for workpiece with are greater than  $L2 - D1/2$ :  $x = D1/2 - L1$ . Calculation dimension x for workpiece with are smaller than  $L2 - D1/2$ :  $x = D1/2 - L1 - [(L2 - D1/2 - L4) \times 0,123]$ .

| Article Code   | D  | D1 | F(N) | D2 | L  | L1  | L2   | Material          |
|----------------|----|----|------|----|----|-----|------|-------------------|
| BA20.0607.0100 | 6  | 3  | 10   | 6  | 7  | 1,0 | 4,0  | Aluminum / Steel  |
| BA20.0645.0100 | 6  | 3  | 10   | 6  | 7  | 1,0 | 4,0  | Aluminum / POM    |
| BA20.0607.0200 | 6  | 3  | 20   | 6  | 7  | 1,0 | 4,0  | Aluminum / Steel  |
| BA20.0607.0400 | 6  | 3  | 40   | 6  | 7  | 1,0 | 4,0  | Aluminum / Steel+ |
| BA20.1007.0200 | 10 | 5  | 20   | 10 | 11 | 1,6 | 6,7  | Aluminum / Steel  |
| BA20.1045.0200 | 10 | 5  | 20   | 10 | 11 | 1,6 | 6,7  | Aluminum / POM    |
| BA20.1007.0500 | 10 | 5  | 50   | 10 | 11 | 1,6 | 6,7  | Aluminum / Steel  |
| BA20.1007.1000 | 10 | 5  | 100  | 10 | 11 | 1,6 | 6,7  | Aluminum / Steel+ |
| BA20.1007.0400 | 10 | 6  | 40   | 10 | 11 | 2,0 | 10,7 | Aluminum / Steel  |
| BA20.1045.0400 | 10 | 6  | 40   | 10 | 11 | 2,0 | 10,7 | Aluminum / POM    |
| BA20.1007.0750 | 10 | 6  | 75   | 10 | 11 | 2,0 | 10,7 | Aluminum / Steel  |
| BA20.1007.1500 | 10 | 6  | 150  | 10 | 11 | 2,0 | 10,7 | Aluminum / Steel+ |
| BA20.1207.0500 | 12 | 8  | 50   | 12 | 13 | 2,6 | 13,9 | Aluminum / Steel  |
| BA20.1245.0500 | 12 | 8  | 50   | 12 | 13 | 2,6 | 13,9 | Aluminum / POM    |
| BA20.1207.1000 | 12 | 8  | 100  | 12 | 13 | 2,6 | 13,9 | Aluminum / Steel  |
| BA20.1207.2000 | 12 | 8  | 200  | 12 | 13 | 2,6 | 13,9 | Aluminum / Steel+ |
| BA20.1607.1000 | 16 | 10 | 100  | 16 | 17 | 3,2 | 16,7 | Aluminum / Steel  |
| BA20.1645.1000 | 16 | 10 | 100  | 16 | 17 | 3,2 | 16,7 | Aluminum / POM    |

| Article Code   | D  | D1 | F(N) | D2 | L  | L1  | L2   | Material          |
|----------------|----|----|------|----|----|-----|------|-------------------|
| BA20.1607.2000 | 16 | 10 | 200  | 16 | 17 | 3,2 | 16,7 | Aluminum / Steel  |
| BA20.1607.3000 | 16 | 10 | 300  | 16 | 17 | 3,2 | 16,7 | Aluminum / Steel+ |

