



Description

Material:

- body:** aluminum, silver passivated;
- pin:** steel, case-hardened, galvanized; thermoplastic (POM), white;
- spring:** stainless steel; steel, blackened; steel+, galvanized;
- seal:** Neoprene (CR).

Characteristics:

- spring:** stainless steel, light spring load; steel, standard spring load; steel+, heavy spring load;
- assembly:** installation by pressing in;
- to be used for positioning and applying pressure, e.g. during painting and sandblasting;
- sealed against chips and dirt;
- F (N) and F1 (N) in the table is the (maximum) average statistical value of the spring force in pounds (lb);
- temperature range for steel pins to a maximum of 110°C; temperature range for thermoplastic pins to a maximum of 80°C.

Formula:

Formula for calculating the center distance for the mounting hole:

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

Calculation dimension L1 for workpiece which are greater than $L2 - D1/2$: $L1 = D1/2 - L1$. Calculation dimension L1 for workpiece which are smaller than $L2 - D1/2$:

$L1 = D1/2 - L1 - [(L2 - D1/2 - L4) \times 0,123]$.

Article Code	D	D1	F(N)	D2	L	L1	L2	Material
BA45.1207.1120	1/2	0,315	11,2	1/2	0,551	0,09	0,511	Aluminum / Steel
BA45.1245.1120	1/2	0,315	11,2	1/2	0,551	0,09	0,511	Aluminum / POM
BA45.1207.2250	1/2	0,315	22,5	1/2	0,551	0,09	0,511	Aluminum / Steel
BA45.1207.3400	1/2	0,315	34,0	1/2	0,551	0,09	0,511	Aluminum / Steel
BA45.1407.0220	1/4	0,118	2,2	1/4	0,275	0,04	0,157	Aluminum / Steel
BA45.7145.0220	1/4	0,118	2,2	1/4	0,275	0,04	0,157	Aluminum / POM
BA45.1407.0450	1/4	0,118	4,5	1/4	0,275	0,04	0,157	Aluminum / Steel
BA45.1407.0900	1/4	0,118	9,0	1/4	0,275	0,04	0,157	Aluminum / Steel
BA45.5807.2250	5/8	0,393	22,5	5/8	0,708	0,12	0,629	Aluminum / Steel
BA45.5845.2250	5/8	0,393	22,5	5/8	0,708	0,12	0,629	Aluminum / POM
BA45.5807.3400	5/8	0,393	34,0	5/8	0,708	0,12	0,629	Aluminum / Steel
BA45.5807.4500	5/8	0,393	45,0	5/8	0,708	0,12	0,629	Aluminum / Steel
BA45.7107.0450	7/16	0,197	4,5	7/16	0,430	0,06	0,236	Aluminum / Steel
BA45.7145.0450	7/16	0,197	4,5	7/16	0,430	0,06	0,236	Aluminum / POM
BA45.7107.1120	7/16	0,197	11,2	7/16	0,430	0,06	0,236	Aluminum / Steel
BA45.7107.2150	7/16	0,197	21,5	7/16	0,430	0,06	0,236	Aluminum / Steel
BA45.7107.0900	7/16	0,236	9,0	7/16	0,393	0,08	0,472	Aluminum / POM

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BA45.7145.0900	7/16	0,236	9,0	7/16	0,430	0,08	0,393	Aluminum / Steel
BA45.7107.1690	7/16	0,236	16,9	7/16	0,430	0,08	0,393	Aluminum / Steel
BA45.7107.2250	7/16	0,236	22,5	7/16	0,430	0,08	0,393	Aluminum / Steel

