

Item description/product images



Description

Material:

Body carbon steel.

Ball:

Form C, F, tool steel.

Form K POM.

Form O stainless steel diamond impregnated.

Form P stainless steel with polyurethane surface.

Version:

Body tempered, black oxidised.

Ball:

Form C, F hardened, black oxidised.

Form K POM ball, white.

Form O surface comparable to 100 grade abrasive grit.

Form P polyurethane, hardness 60 Shore.

Note:

Self-aligning pads are used to support and clamp unmachined and machined workpieces.

They also serve as stops, supports and thrust pads in fixtures and toolmaking.

Ball secured against rotation.

Form O: The abrasive diamond surface is bonded firmly to the ball. It is ideally suited to supporting smooth or slippery applications with a minimum of clamping pressure. This allows the diamond particles to get a firm grip on a very small area with minimum damage to the surface.

The diamond surface offers excellent wear resistance.

Form P: The polyurethane surface is vulcanised firmly to the ball. It is abrasion-resistant and does not discolour. Offers optimum protection against damage to delicate surfaces. The pearl-like surface gives a firm grip and allows air to escape so as to prevent any suction effect between the contact surface and the toggle locator.

Advantages:

The built-in O-ring holds the ball in place and keeps dirt and foreign particles out, ensuring uniform movement.

The hexagon socket allows easy adjustment and positioning in through holes.

Drawing reference:

Form C: flattened steel ball, smooth

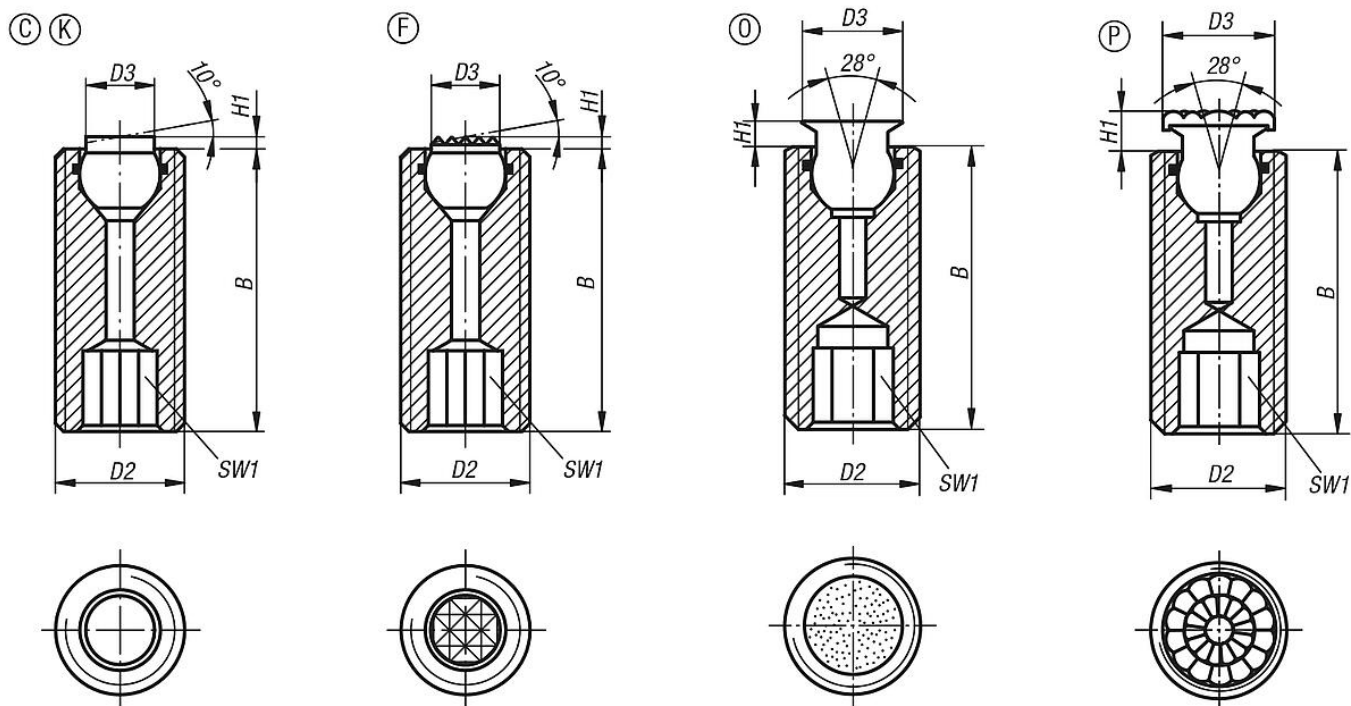
Form F: flattened steel ball, with serrations

Form K: POM ball, flattened, smooth

Form O: stainless steel ball diamond impregnated

Form P: stainless steel ball with polyurethane surface

Drawings



Overview of items

Order No.	Form	B	D2	D3	H1	SW1	Ball-Ø	Load rating max. kN (static load only)
02008-112X025	C	25	M12	6	1,5	6	7	15
02008-112X035	C	35	M12	6	1,5	6	7	15
02008-112X050	C	50	M12	6	1,5	6	7	15
02008-116X025	C	25	M16	8,5	1,5	8	10	23
02008-116X035	C	35	M16	8,5	1,5	8	10	23
02008-116X050	C	50	M16	8,5	1,5	8	10	23

Order No.	Form	B	D2	D3	H1	SW1	Ball-Ø	Load rating max. kN (static load only)
02008-312X025	F	25	M12	6	1,5	6	7	15
02008-312X035	F	35	M12	6	1,5	6	7	15
02008-312X050	F	50	M12	6	1,5	6	7	15
02008-316X025	F	25	M16	8,5	1,5	8	10	23
02008-316X035	F	35	M16	8,5	1,5	8	10	23
02008-316X050	F	50	M16	8,5	1,5	8	10	23

Order No.	Form	B	D2	D3	H1	SW1	Ball-Ø	Load rating max. kN (static load only)
02008-712X025	K	25	M12	6	1,5	6	7	2
02008-712X035	K	35	M12	6	1,5	6	7	2
02008-712X050	K	50	M12	6	1,5	6	7	2
02008-716X025	K	25	M16	8,5	1,5	8	10	4
02008-716X035	K	35	M16	8,5	1,5	8	10	4
02008-716X050	K	50	M16	8,5	1,5	8	10	4

Order No.	Form	B	D2	D3	H1	SW1	Ball-Ø
02008-610X	P	25/35/50	M10	8	3,5	5	5

Overview of items

Order No.	Form	B	D2	D3	H1	SW1	Ball-Ø
02008-612X	P	25/35/50	M12	10	4	6	7
02008-616X	P	25/35/50	M16	13	5	8	10
02008-620X	P	30/50/70	M20	16	5	10	13