#### tem 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 face.

#### Version:

Body tempered, black oxidised. Ball: Form C, F hardened, black oxidised. Form K POM ball, white. Form 0 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 0: The abrasive diamond surface is fused 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 permanently vulcanised on 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 self-aligning pads.

### Advantages:

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

#### **Drawing reference:**

- Form C: flattened steel ball, smooth
- Form F: flattened steel ball, with serrations
- Form K: POM ball, flattened, smooth
- Form 0: stainless steel ball diamond impregnated
- Form P: stainless steel ball with polyurethane surface

# Drawings



# Overview of items

Order No.	Form	D1	D2	D3	H	H1	T	Ball-Ø	Load rating
									max. kN
00000 1042010	0	10	MA	0	10	1.5	4.5	7	(static load only)
02002-104X012	C	10	M4	6	12	1,5	4,5	7	12
02002-104X025	C	10	M4	6	25	1,5	12	7	12
02002-105X016	C	13	M5	8,5	16	1,5	5	10	20
02002-105X025	C	13	M5	8,5	25	1,5	12	10	20
Order No.	Form	D1	D2	D3	H	H1	T	Ball-Ø	Load rating
									(static load only)
02002-304X012	F	10	M4	6	12	1,5	4,5	7	12
02002-304X025	F	10	M4	6	25	1,5	12	7	12
02002-305X016	F	13	M5	8,5	16	1,5	5	10	20
02002-305X025	F	13	M5	8,5	25	1,5	12	10	20
Order No.	Form	D1	D2	D3	H	H1	T	Ball-Ø	Load rating
									max. kN
									(static load only)
02002-704X012	K	10	M4	6	12	1,5	4,5	7	2
02002-704X025	K	10	M4	6	25	1,5	12	7	2
02002-705X016	К	13	M5	8,5	16	1,5	5	10	4
02002-705X025	K	13	M5	8,5	25	1,5	12	10	4

Order No.	Form	D1	D2	D3		H1			Ball-Ø
02002-604X014	Р	10	M4	10	14,5	4	28	3,5	7
02002-604X027	Р	10	M4	10	27,5	4	28	9	7
02002-605X019	Р	13	M5	13	19,5	5	28	6,5	10
02002-605X028	Р	13	M5	13	28,5	5	28	9	10
02002-606X023	Р	17	M6	16	23	5	28	7,5	13
02002-608X026	Р	19	M8	21	26	6	24	8,5	15
02002-610X030	Р	24	M10	23	30	6	24	9	20

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