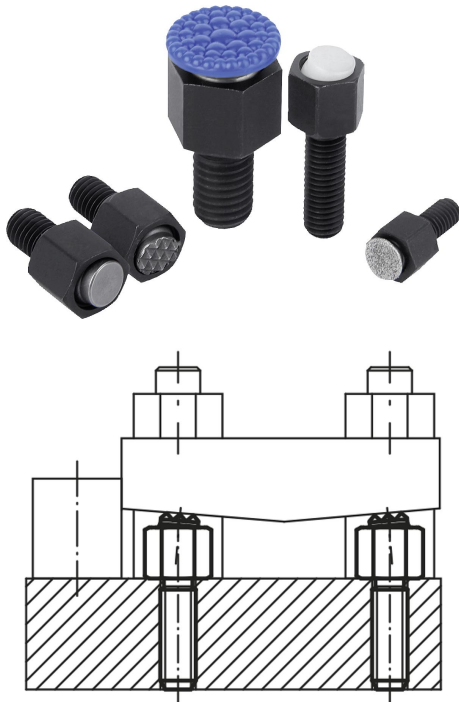


## Item description/product images

**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.

It 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 uniform movement.

**Drawing reference:**

Form C: flattened steel ball, smooth

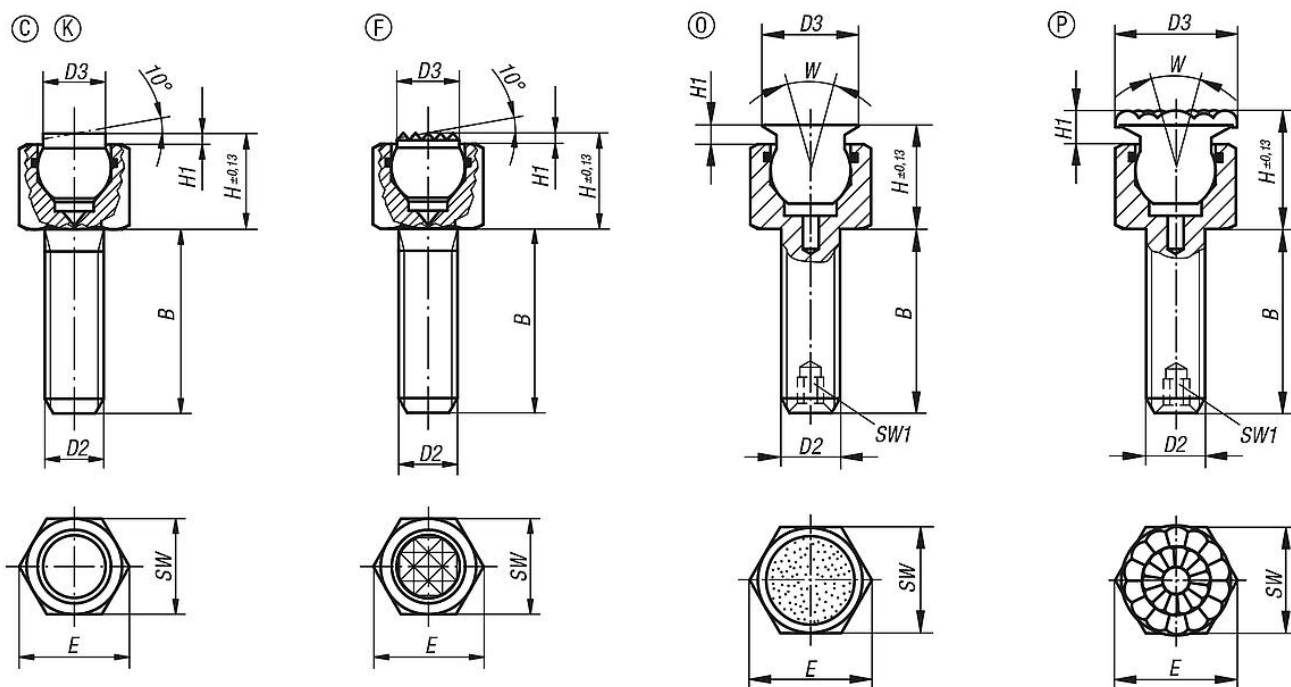
Form F: flattened steel ball, with serrations

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  | H   | H1  | E    | SW | Ball-Ø | Load rating max. kN (static load only) |
|---------------|------|----|----|-----|-----|-----|------|----|--------|--|
| 02006-106X012 | C    | 12 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 9                                      |
| 02006-106X025 | C    | 25 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 9                                      |
| 02006-106X040 | C    | 40 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 9                                      |
| 02006-108X012 | C    | 12 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 15                                     |
| 02006-108X025 | C    | 25 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 15                                     |
| 02006-108X040 | C    | 40 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 15                                     |

| Order No.     | Form | B  | D2 | D3  | H   | H1  | E    | SW | Ball-Ø | Load rating max. kN (static load only) |
|---------------|------|----|----|-----|-----|-----|------|----|--------|--|
| 02006-306X012 | F    | 12 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 9                                      |
| 02006-306X025 | F    | 25 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 9                                      |
| 02006-306X040 | F    | 40 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 9                                      |
| 02006-308X012 | F    | 12 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 15                                     |
| 02006-308X025 | F    | 25 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 15                                     |
| 02006-308X040 | F    | 40 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 15                                     |

| Order No.     | Form | B  | D2 | D3  | H   | H1  | E    | SW | Ball-Ø | Load rating max. kN (static load only) |
|---------------|------|----|----|-----|-----|-----|------|----|--------|--|
| 02006-706X012 | K    | 12 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 2                                      |
| 02006-706X025 | K    | 25 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 2                                      |
| 02006-706X040 | K    | 40 | M6 | 6   | 9,5 | 1,5 | 11,5 | 10 | 7      | 2                                      |
| 02006-708X012 | K    | 12 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 4                                      |
| 02006-708X025 | K    | 25 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 4                                      |
| 02006-708X040 | K    | 40 | M8 | 8,5 | 13  | 1,5 | 15   | 13 | 10     | 4                                      |

| Order No.  | Form | B  | D2  | D3 | H    | H1 | E    | SW | SW1 | W  | Ball-Ø | Load rating max. kN (static load only) |
|------------|------|----|-----|----|------|----|------|----|-----|----|--------|--|
| 02006-506X | O    | 12 | M6  | 8  | 10   | 2  | 11,5 | 10 | -   | 28 | 7      | 9,2                                    |
| 02006-508X | O    | 12 | M8  | 11 | 14,5 | 3  | 15   | 13 | -   | 28 | 10     | 15,5                                   |
| 02006-510X | O    | 15 | M10 | 14 | 16   | 3  | 19,6 | 17 | 3   | 28 | 13     | 18,8                                   |
| 02006-512X | O    | 20 | M12 | 19 | 19   | 4  | 21,9 | 19 | 5   | 24 | 15     | 29,8                                   |

## Overview of items

| Order No.  | Form | B  | D2  | D3 | H  | H1 | E    | SW | SW1 | W  | Ball-Ø | Load rating<br>max. kN<br>(static load only) |
|------------|------|----|-----|----|----|----|------|----|-----|----|--------|--|
| 02006-516X | 0    | 25 | M16 | 21 | 23 | 4  | 27,7 | 24 | 6   | 24 | 20     | 50,3   |

| Order No.  | Form | B  | D2  | D3 | H    | H1 | E    | SW | SW1 | W  | Ball-Ø |
|------------|------|----|-----|----|------|----|------|----|-----|----|--------|
| 02006-606X | P    | 12 | M6  | 10 | 12   | 4  | 11,5 | 10 | -   | 28 | 7      |
| 02006-608X | P    | 12 | M8  | 13 | 16,5 | 5  | 15   | 13 | -   | 28 | 10     |
| 02006-610X | P    | 15 | M10 | 16 | 18   | 5  | 19,6 | 17 | 3   | 28 | 13     |
| 02006-612X | P    | 20 | M12 | 21 | 21   | 6  | 21,9 | 19 | 5   | 24 | 15     |
| 02006-616X | P    | 25 | M16 | 23 | 25   | 6  | 27,7 | 24 | 6   | 24 | 20     |