

BPVM

Fluid displacement

- **Ball caster for positioning and aligning parts**
- The ball rolls durably on the sliding bearing
- The surface of the part is preserved
- Working temperature: -50°C to +90°C
- The load capacity decreases linearly at temperatures > 20°C.
(Example: at 90°C, the load capacity is 60% max.)
- Materials:
Burnished steel screw and steel ball bearing
Plain bearing: polyurethane

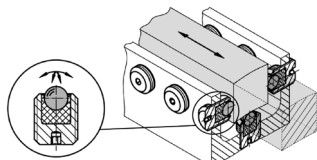
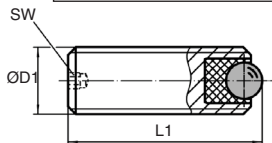
Applications

- Enables low-friction guidance
- ⚠ **Not suitable for indexing!**

Advantage

- Adjusting the position of the carrier ball from the rear.

NEW !



Typical application

DISCOUNTS

Qty	1+	6+	20+	40+	60+
Disc. Price	-10%	-15%	-20%	On request	

Part number	ØD1	L1	Ball		Max. tightening torque (Nm)	Max load capacity for static use (N)	Weight (g)	Price each 1 to 5
			ØD	SW				
BPVM6-8	M6	8	2,5	1,5	0,1	172	1	13,35 €
BPVM6-16	M6	16	2,5	1,5	0,1	172	3	13,35 €
BPVM8-10	M8	10	3,5	1,5	0,3	336	3	13,43 €
BPVM8-20	M8	20	3,5	1,5	0,3	336	7	13,43 €
BPVM10-12	M10	12	4,5	2,0	0,6	556	5	13,54 €
BPVM10-25	M10	25	4,5	2,0	0,6	556	13	13,54 €
BPVM12-16	M12	16	6,5	2,5	1,4	1161	10	14,14 €
BPVM12-35	M12	35	6,5	2,5	1,4	1161	27	14,14 €
BPVM16-20	M16	20	8,5	3,0	3,2	1986	24	16,98 €
BPVM16-50	M16	50	8,5	3,0	3,2	1986	71	16,98 €

Dimensions in mm

- Ball caster for positioning and orienting parts
- The ball rolls durably on the sliding bearing
- The surface of the part is preserved
- Working temperature: -50°C to +90°C
- The load capacity decreases linearly at temperatures > 20°C..
(Example: at 90°C, the load capacity is 60% max.)

- Materials:

Screw stainless steel 303 hardened stainless steel ball

Plain bearing: polyurethane

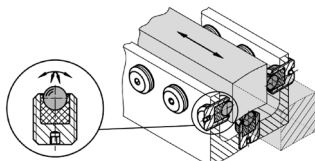
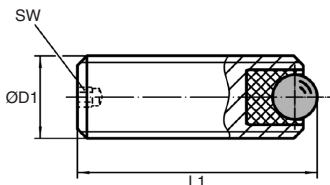
Applications

- Enables low-friction guidance
- ⚠️ **Not suitable for indexing!**

Advantage

- Adjusting the position of the carrier ball from the rear.

NEW!
Stainless Steel



Typical application

DISCOUNTS

Qty	1+	6+	20+	40+	60+
Disc.	Price	-10%	-15%	-20%	On request

Part number	ØD1	L1	Ball		Max. tightening torque (Nm)	Max load capacity for static use (N)	Weight (g)	Price each 1 to 5
			ØD	SW				
BPVM6-8/SS	M6	8	2,5	1,5	0,1	172	1	18,72 €
BPVM6-16/SS	M6	16	2,5	1,5	0,1	172	3	18,72 €
BPVM8-10/SS	M8	10	3,5	1,5	0,3	336	3	18,83 €
BPVM8-20/SS	M8	20	3,5	1,5	0,3	336	7	18,83 €
BPVM10-12/SS	M10	12	4,5	2,0	0,6	556	5	18,96 €
BPVM10-25/SS	M10	25	4,5	2,0	0,6	556	13	18,96 €
BPVM12-16/SS	M12	16	6,5	2,5	1,4	1161	10	19,81 €
BPVM12-35/SS	M12	35	6,5	2,5	1,4	1161	27	19,81 €
BPVM16-20/SS	M16	20	8,5	3,0	3,2	1986	24	23,78 €
BPVM16-50/SS	M16	50	8,5	3,0	3,2	1986	71	23,78 €

Dimensions in mm

Mini plain bearing ball transfer unit **New Size XS**

BPPL

For countersinking

- **Plain bearing ball caster**
- Maintenance free
- Working temperature: -50°C to +90°C
- The load capacity decreases linearly at temperatures > 20°C.
(Example: at 90°C, the load capacity is 60% max.)
- Materials:
 - Case: Stainless steel
 - Plan bearing: polyurethane
 - Ball: Hardened stainless steel

Advantage

- The knurled outside allows easy fitting into the holes of additional preparation.

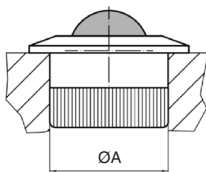
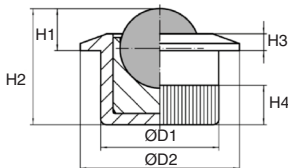
Assembly

- Fastening is done by pushing the carrier ball with knurled outside
- The carrier balls can be fitted with **BPPL/TOOL** mounting tools.

Application

- Transport, conveyor, workstation and packaging systems.

NEW!



Mounting tool

DISCOUNTS

Qty	1+	6+	20+	40+	60+
Disc. Price	-10%	-15%	-20%	On request	

Part number	Ball		H1	H2	H3	H4	ØA (H7) Hole	Load capacity (kg)	Weight (g)	Price each 1 to 5	
	ØD	ØD1									ØD2
BPPL6-10	6,5	10,0	13	3,2	11,2	1,2	4,2	10,0	116	4	12,29 €
BPPL8-12	8,5	12,6	17	4,5	12,4	1,8	4,2	12,6	198	8	13,35 €

Mounting tool

BPPL6-10/TOOL										For carrier ball BPPL6-10	118	25,42 €
BPPL8-12/TOOL										For carrier ball BPPL8-12	125	25,42 €

Dimensions in mm

Our other products



KK
Rounded end feather key, Steel



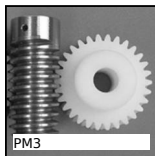
YG2
HEAVY DUTY spur gear, Steel 35NCD6



CHAE4080PA
Symmetrical decorative screwed hinge, Polyamide



NPTF20
Fixed tube carrier, Fixed Ø10 to Ø14



PM3
Worm and wheel set, Machined plastic (delrin)



PTA50
Articulated levelling foot, pressed base Ø50, Ø 50



CLG3
Moulded plastic spur gear, Moulded plastic (nylon)



GCB880
Curved track for slat top chain, Ranges 880 and 881



CHAu
Screwed hinge, 270°



WJUM10
Drylin® W bearing block, Slide



CHM30-MOT
Asynchronous AC motorgearboxes 0.09 to 0.22kW, 0.09 to



SHA_PTR
Handwheel with folding handle, Polyamide

Complementary products



BPVMss
Stainless steel miniature ball transfer unit, Miniature to screw



BPPL
Mini plain bearing ball transfer unit, For countersinking



BPPL
Assembly tool for carrier ball, Mounting tool