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Self-Aligning Pads

EH 22730.



Product Description

Self-aligning pads are used as stop, support and thrust pad and are suitable for installation in clamping elements.

Material

Ball
- Ball-bearing steel, hardened, bright
- Stainless steel 1.3541, nickel-plated

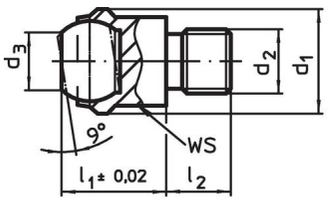
Body
- Heat-treated steel, tempered, phosphated
- Stainless steel 1.4057, heat-treated

More information

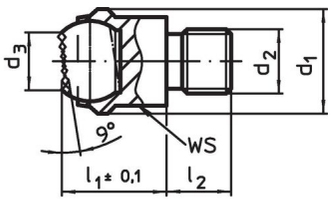
Notes

Ball protected against rotating.
Loading capacity valid for steel and stainless steel designs.

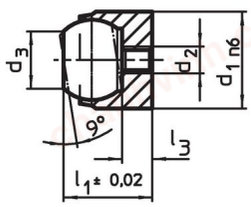
Drawing



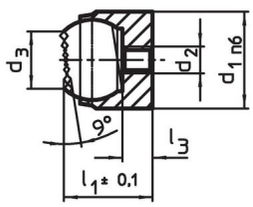
picture 1



picture 2



picture 3



picture 4

Order information

Dimensions							Location hole		WS	Load capacity for static load max.	Tightening torque max.		Art. No.
d_1	d_2	d_3	l_1	l_2 -0.5	l_3 max.	Ball diameter	Ø H7	Depth min.					
[mm]							[mm]		[mm]	[kN]	[Nm]	[g]	
with male thread, flat-faced ball, bearing surface plain – picture 1, Heat-treated steel													
13	**M 6**	7.2	13	8	–	10	–	–	11	10	10.0	12.0	**22730.0012**
13	**M 8**	7.2	13	8	–	10	–	–	11	10	25.0	13.0	**22730.0013**
20	**M 8**	10.5	18	10	–	16	–	–	17	25	25.0	40.0	**22730.0018**
20	**M10**	10.5	18	10	–	16	–	–	17	25	46.0	41.0	**22730.0019**
20	**M12**	10.5	18	12	–	16	–	–	17	25	82.0	44.0	**22730.0020**
30	**M16**	20.0	27	16	–	25	–	–	27	90	206.0	151.0	**22730.0030**
50	**M20**	34.5	35	20	–	40	–	–	41	165	407.0	487.0	**22730.0050**
50	**M24**	34.5	35	24	–	40	–	–	41	165	698.0	517.0	**22730.0060**
with male thread, flat-faced ball, bearing surface plain – picture 1, Stainless steel													
13	**M 6**	7.2	13	8	–	10	–	–	11	10	10.0	12.0	**22730.0112**
13	**M 8**	7.2	13	8	–	10	–	–	11	10	25.0	13.0	**22730.0113**
20	**M 8**	10.5	18	10	–	16	–	–	17	25	25.0	39.0	**22730.0118**
20	**M10**	10.5	18	10	–	16	–	–	17	25	46.0	41.0	**22730.0119**
20	**M12**	10.5	18	12	–	16	–	–	17	25	82.0	44.0	**22730.0120**
30	**M16**	20.0	27	16	–	25	–	–	27	90	206.0	150.0	**22730.0130**
50	**M20**	34.5	35	20	–	40	–	–	41	165	407.0	482.0	**22730.0150**
50	**M24**	34.5	35	24	–	40	–	–	41	165	698.0	512.0	**22730.0160**

[1] Applies only when the minimum bore depth is kept to.

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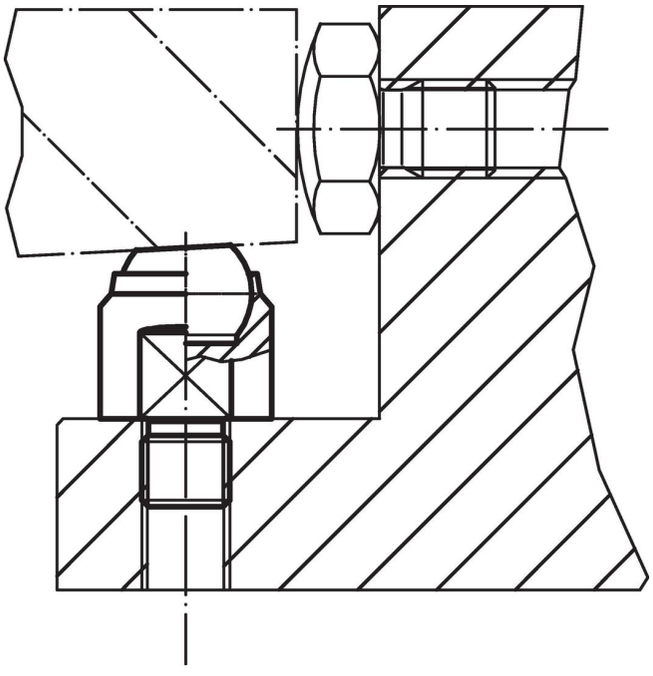
Dimensions							Location hole		WS	Load capacity for static load max.	Tightening torque max.		Art. No.
d_1	d_2	d_3	l_1	l_2 -0.5	l_3 max.	Ball diameter	Ø H7	Depth min.					
[mm]							[mm]		[mm]	[kN]	[Nm]	[g]	
with male thread, flat-faced ball, bearing surface ribbed – picture 2, Heat-treated steel													
13	**M 6**	7.2	13	8	–	10	–	–	11	10	10.0	12.0	22730.0312
13	**M 8**	7.2	13	8	–	10	–	–	11	10	25.0	13.0	22730.0313
20	**M 8**	10.5	18	10	–	16	–	–	17	25	25.0	39.0	22730.0318
20	**M10**	10.5	18	10	–	16	–	–	17	25	46.0	41.0	22730.0319
20	**M12**	10.5	18	12	–	16	–	–	17	25	82.0	44.0	22730.0320
30	**M16**	20.0	27	16	–	25	–	–	27	90	206.0	150.0	22730.0330
50	**M20**	34.5	35	20	–	40	–	–	41	165	407.0	483.0	22730.0350
50	**M24**	34.5	35	24	–	40	–	–	41	165	698.0	513.0	22730.0360
for locating hole, flat-faced ball, bearing surface plain – picture 3, Heat-treated steel													
12 n6	**M 3**	7.2	11	–	3.2	10	12	6	–	10[1)]	1.3	8.0	22730.0412
18 n6	**M 4**	10.5	17	–	4.0	16	18	8	–	25[1)]	2.9	30.0	22730.0418
28 n6	**M 5**	20.0	25	–	5.5	25	28	13	–	90[1)]	6.0	110.0	22730.0428
for locating hole, flat-faced ball, bearing surface plain – picture 3, Stainless steel													
12 n6	**M 3**	7.2	11	–	3.2	10	12	6	–	10[1)]	1.3	7.9	22730.0452
18 n6	**M 4**	10.5	17	–	4.0	16	18	8	–	25[1)]	2.9	30.0	22730.0458
28 n6	**M 5**	20.0	25	–	5.5	25	28	13	–	90[1)]	6.0	107.0	22730.0468
for locating hole, flat-faced ball, bearing surface ribbed – picture 4, Heat-treated steel													
12 n6	**M 3**	7.2	11	–	3.2	10	12	6	–	10[1)]	1.3	7.9	22730.0712
18 n6	**M 4**	10.5	17	–	4.0	16	18	8	–	25[1)]	2.9	30.0	22730.0718
28 n6	**M 5**	20.0	25	–	5.5	25	28	13	–	90[1)]	6.0	108.0	22730.0728

[1)] Applies only when the minimum bore depth is kept to.

Application example



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