

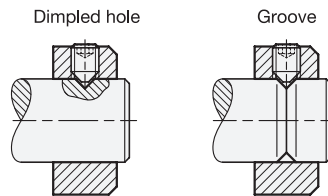
SS Stainless Steel

2 Type

- A** Slotted set screw with cone point ISO 7434 (DIN 553)
- E** Hex socket set screw with cone point DIN 914

Assembly examples

Positioning through



Specification

- Steel, blackened finish —
- Steel, zinc plated, blue passivated finish **ZB**
- Stainless steel AISI 303 **NI**
- *ISO Fundamental Tolerances* → page 2129
- *Stainless Steel Characteristics* → page 2143
- **RoHS compliant**

Information

GN 705 set screw shaft collars are primarily used as securing rings on round shafts. The clamping is done radially on the shaft or axle surface. Together with a countersunk hole or a groove on the shaft diameter, the shaft collars can be positioned exactly and, at the same time, damage to the clamping point can be avoided. The set screw is a standard part of the assembly. A second screw is added from size $d_1 > 70$ mm.

see also...

- *List of Shaft Collar Types* → page 1202
- *Semi-Split Shaft Collars GN 706.2* → page 1206

<p>How to order (Steel, blackened finish)</p> <p>GN 705-20-A</p>	<p>1 Inner diameter d_1</p> <p>2 Type</p>
<p>How to order (Steel, zinc plated)</p> <p>GN 705-10-E-ZB</p>	<p>1 Inner diameter d_1</p> <p>2 Type</p> <p>3 Finish</p>
<p>How to order (Stainless steel)</p> <p>GN 705-13-E-NI</p>	<p>1 Inner diameter d_1</p> <p>2 Type</p> <p>3 Finish</p>

Metric table



d ₁ H8 Steel, blackened Type A / E	Steel*, zinc plated ZB Type E	Stainless steel NI Type E	d ₂	d ₃	b js14
5 0.20	5 0.20	5 0.20	10 0.39	M3 x 4	6 0.24
6 0.24	6 0.24	6 0.24	12 0.47	M4 x 5	8 0.31
7 0.28	7 0.28	7 0.28	12 0.47	M4 x 5	8 0.31
8 0.31	8 0.31	8 0.31	16 0.63	M4 x 6	8 0.31
9 0.35	9 0.35	9 0.35	18 0.71	M5 x 8	10 0.39
10 0.39	10 0.39	10 0.39	20 0.79	M5 x 8	10 0.39
11 0.43	11 0.43	11 0.43	20 0.79	M5 x 8	10 0.39
12 0.47	12 0.47	12 0.47	22 0.87	M6 x 8	12 0.47
13 0.51	13 0.51	13 0.51	22 0.87	M6 x 8	12 0.47
14 0.55	14 0.55	14 0.55	25 0.98	M6 x 8	12 0.47
15 0.59	15 0.59	15 0.59	25 0.98	M6 x 8	12 0.47
16 0.63	16 0.63	16 0.63	28 1.10	M6 x 8	12 0.47
18 0.71	18 0.71	18 0.71	32 1.26	M6 x 8	14 0.55
20 0.79	20 0.79	20 0.79	32 1.26	M6 x 8	14 0.55
22 0.87	22 0.87	22 0.87	36 1.42	M6 x 10	14 0.55
24 0.94	24 0.94	24 0.94	40 1.57	M8 x 12	16 0.63
25 0.98	25 0.98	25 0.98	40 1.57	M8 x 10	16 0.63
26 1.02	26 1.02	26 1.02	40 1.57	M8 x 10	16 0.63
28 1.10	28 1.10	28 1.10	45 1.77	M8 x 12	16 0.63



Dimensions in: millimeters - inches

d ₁ H8 Steel, blackened Type A / E	Steel*, zinc plated ZB Type E	Stainless steel NI Type E	d ₂	d ₃	b js14
30 1.18	30 1.18	30 1.18	45 1.77	M 8 x 10	16 0.63
32 1.26	32 1.26	32 1.26	50 1.97	M 8 x 12	16 0.63
34 1.34	-	34 1.34	50 1.97	M 8 x 12	16 0.63
35 1.38	35 1.38	35 1.38	56 2.20	M 8 x 12	16 0.63
36 1.42	-	36 1.42	56 2.20	M 8 x 12	16 0.63
38 1.50	-	38 1.50	56 2.20	M 8 x 12	16 0.63
40 1.57	40 1.57	40 1.57	63 2.48	M10 x 16	18 0.71
42 1.65	-	42 1.65	63 2.48	M10 x 16	18 0.71
45 1.77	45 1.77	45 1.77	70 2.76	M10 x 16	18 0.71
48 1.89	-	48 1.89	70 2.76	M10 x 16	18 0.71
50 1.97	50 1.97	50 1.97	80 3.15	M10 x 16	18 0.71
52 2.05	-	-	80 3.15	M10 x 16	18 0.71
55 2.17	55 2.17	-	80 3.15	M10 x 16	18 0.71
60 2.36	60 2.36	-	90 3.54	M10 x 16	20 0.79
65 2.56	-	-	100 3.94	M10 x 20	20 0.79
70 2.76	70 2.76	-	100 3.94	M10 x 20	20 0.79
75 2.95	-	-	110 4.33	M12 x 20	22 0.87
80 3.15	80 3.15	-	110 4.33	M12 x 20	22 0.87

* The tolerances given in accordance with DIN 705 apply to plain shaft collars.
The surface treatment normally has no detrimental effect on the proper function.

