



SS Stainless Steel

Metric table

1 2

d ₁ -0.04 -0.08	l ₁ +0.6																d ₂	d ₃	d ₄	l ₂ ±1	l ₃ -0.2	Location bore H11
	5	10	15	20	25	30	35	40	45	50	60	70	80	-	-	-						
5	10	15	20	25	30	35	40	45	50	60	70	80	-	-	-	5.5	23	10.2	6.2	20.2	5	
0.20	0.39	0.59	0.79	0.98	1.18	1.38	1.57	1.77	1.97	2.36	2.76	3.15	-	-	-	0.22	0.91	0.40	0.24	0.80	0.20	
6	10	15	20	25	30	35	40	45	50	60	70	80	-	-	-	7	23	10.2	7.2	20.2	6	
0.24	0.39	0.59	0.79	0.98	1.18	1.38	1.57	1.77	1.97	2.36	2.76	3.15	-	-	-	0.28	0.91	0.40	0.28	0.80	0.24	
8	10	15	20	25	30	35	40	45	50	60	70	80	90	100	100	9.5	27	13.2	8.4	26.8	8	
0.31	0.39	0.59	0.79	0.98	1.18	1.38	1.57	1.77	1.97	2.36	2.76	3.15	3.54	3.94	3.94	0.37	1.06	0.52	0.33	1.06	0.31	
10	15	20	25	30	35	40	45	50	60	70	80	90	100	110	120	12	27	13.2	9.9	26.8	10	
0.39	0.59	0.79	0.98	1.18	1.38	1.57	1.77	1.97	2.36	2.76	3.15	3.54	3.94	4.33	4.72	0.47	1.06	0.52	0.39	1.06	0.39	
12	20	25	30	35	40	45	50	60	70	80	90	100	110	120	-	14.5	31	16.4	10.9	32.7	12	
0.47	0.79	0.98	1.18	1.38	1.57	1.77	1.97	2.36	2.76	3.15	3.54	3.94	4.33	4.72	-	0.57	1.22	0.65	0.43	1.29	0.47	
16	30	35	40	45	50	60	70	80	90	100	110	120	130	140	150	19	38	23.4	14.5	42.6	16	
0.63	1.18	1.38	1.57	1.77	1.97	2.36	2.76	3.15	3.54	3.94	4.33	4.72	5.12	5.51	5.91	0.75	1.50	0.92	0.57	1.68	0.63	
20	50	60	70	80	90	100	110	120	130	140	150	-	-	-	-	24.8	38	23.4	17.4	42.6	20	
0.79	1.97	2.36	2.76	3.15	3.54	3.94	4.33	4.72	5.12	5.51	5.91	-	-	-	-	0.98	1.50	0.92	0.69	1.68	0.79	
25	50	60	70	80	90	100	110	120	130	140	150	-	-	-	-	30.8	50	30.4	22.3	54.3	25	
0.98	1.97	2.36	2.76	3.15	3.54	3.94	4.33	4.72	5.12	5.51	5.91	-	-	-	-	1.21	1.97	1.20	0.88	2.14	0.98	

Dimensions in: millimeters - inches

Specification

- **GN 113.9**
Shank pin
Stainless steel
European Standard No. 1.4305 (AISI 303)
- **GN 113.10**
Shank pin
Stainless steel, precipitation-hardened
European Standard No. 1.4542 (AISI 630)
- Knob
Stainless steel
European Standard No. 1.4404 (AISI 316L)
- Balls
Stainless steel
European Standard No. 1.3541 (AISI 420C)
- Spring
Stainless steel
European Standard No. 1.4568 (AISI 631)
- RoHS compliant

Information

GN 113.9 and GN 113.10 ball lock pins are used for rapid connecting and securing of components or workpieces. A typical application is locating pins that have to regularly be moved in and out of position. By depressing the spring loaded push button, the two balls are freed, and by releasing the push button the balls are locked. GN 113.10 ball lock pins have a high load capacity, due to the pin being made of heavy duty, hardened and highly abrasion-resistant stainless steel. The technical section contains the load ratings for the double shear strength (breaking strength).

see also...

- List of Lock Pin Types

Accessory

- Ball chains GN 111 / GN 111.5
- Retaining cables GN 111.2
- Spiral retaining cables GN 111.4

How to order (Stainless steel shank AISI 303)	1 Pin diameter d ₁
GN 113.9-6-20	2 Length l ₁

How to order (Stainless steel shank AISI 630)	1 Pin diameter d ₁
GN 113.10-20-100	2 Length l ₁