

Ball Lock Pins • self-locking, with standard handle

EH 22370. /EH 22380.



PRODUCT DESCRIPTION

For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

All versions are corrosion resistant. When using stainless steel 1.4542: high-strength, hardened, abrasion resistant pin with high load capacity.

Compact design with standard handle.

Material

Pin part

- Stainless steel 1.4305
- Stainless steel 1.4542, precipitation-hardened

Spring

- Stainless steel

Operation

The balls are unlocked by pressing the button.

Characteristic

Types from stainless steel 1.4542 with marking below the balls.

MORE INFORMATION

Notes

Special types on request.

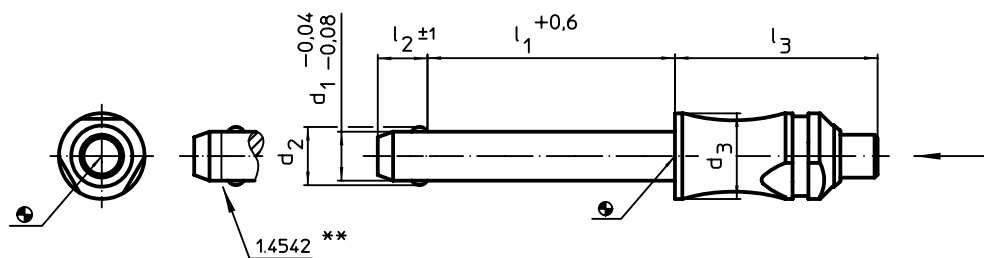
Accessories

Can easily be fitted with retaining cable EH 22400.

Further products

Ball Lock Pins, self-locking, with standard handle, titanium → p. 234
 Locating Bushings, for ball lock pins and socket pins → p. 246
 Locating Bushings, with flange, for ball lock pins and socket pins → p. 248
 Retaining Cables → p. 249
 Positioning Bushings, with collar, DIN 172 A → p. 424
 Positioning Bushings, without collar, DIN 179 A → p. 427

DRAWING



** Types from stainless steel 1.4542 with marking.

ORDER INFORMATION

Dimensions						Location hole H11			Stainless steel 1.4305		Stainless steel 1.4542, precipitation-hardened	
d ₁ -0.04 -0.08	l ₁ +0.6	d ₂	d ₃	l ₂ ±1	l ₃		max.		Shearing resistance, two-shear ¹⁾ min.	Art. No.	Shearing resistance, two-shear ¹⁾ min.	Art. No.
[mm]						[mm]	[°C]	[g]	[kN]		[kN]	
5	10	5.5	10	6.0	26.2	5	250	10	14	22370.0012	24	22380.0012
	15	5.5	10	6.0	26.2	5	250	11	14	22370.0013	24	22380.0013
	20	5.5	10	6.0	26.2	5	250	12	14	22370.0014	24	22380.0014
	25	5.5	10	6.0	26.2	5	250	12	14	22370.0015	24	22380.0015
	30	5.5	10	6.0	26.2	5	250	13	14	22370.0016	24	22380.0016
	35	5.5	10	6.0	26.2	5	250	14	14	22370.0017	24	22380.0017
	40	5.5	10	6.0	26.2	5	250	14	14	22370.0018	24	22380.0018
	45	5.5	10	6.0	26.2	5	250	15	14	22370.0007	24	22380.0007
	50	5.5	10	6.0	26.2	5	250	16	14	22370.0008	24	22380.0008
	60	5.5	10	6.0	26.2	5	250	17	14	22370.0009	24	22380.0009
	70	5.5	10	6.0	26.2	5	250	19	14	22370.0010	24	22380.0010
	80	5.5	10	6.0	26.2	5	250	20	14	22370.0011	24	22380.0011

¹⁾ Shearing resistance similar to DIN 50141

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	Dimensions					Location hole H11	 max.	 [g]	Stainless steel 1.4305		Stainless steel 1.4542, precipitation-hardened	
	d ₁ -0.04 -0.08	l ₁ +0.6	d ₂	d ₃	l ₂ ±1	l ₃			Shearing resistance, two-shear ¹⁾ min.	Art. No.	Shearing resistance, two-shear ¹⁾ min.	Art. No.
	[mm]					[mm]	[°C]		[kN]		[kN]	
6	10	7.0	10	7.0	26.2	6	250	11	21	22370.0022	35	22380.0022
	15	7.0	10	7.0	26.2	6	250	12	21	22370.0023	35	22380.0023
	20	7.0	10	7.0	26.2	6	250	13	21	22370.0024	35	22380.0024
	25	7.0	10	7.0	26.2	6	250	14	21	22370.0025	35	22380.0025
	30	7.0	10	7.0	26.2	6	250	15	21	22370.0026	35	22380.0026
	35	7.0	10	7.0	26.2	6	250	16	21	22370.0027	35	22380.0027
	40	7.0	10	7.0	26.2	6	250	17	21	22370.0028	35	22380.0028
	45	7.0	10	7.0	26.2	6	250	18	21	22370.0029	35	22380.0029
	50	7.0	10	7.0	26.2	6	250	19	21	22370.0030	35	22380.0030
	60	7.0	10	7.0	26.2	6	250	21	21	22370.0019	35	22380.0019
	70	7.0	10	7.0	26.2	6	250	23	21	22370.0020	35	22380.0020
8	10	9.5	14	8.2	33.1	8	250	29	38	22370.0032	63	22380.0032
	15	9.5	14	8.2	33.1	8	250	31	38	22370.0033	63	22380.0033
	20	9.5	14	8.2	33.1	8	250	32	38	22370.0034	63	22380.0034
	25	9.5	14	8.2	33.1	8	250	34	38	22370.0035	63	22380.0035
	30	9.5	14	8.2	33.1	8	250	36	38	22370.0036	63	22380.0036
	35	9.5	14	8.2	33.1	8	250	38	38	22370.0037	63	22380.0037
	40	9.5	14	8.2	33.1	8	250	40	38	22370.0038	63	22380.0038
	45	9.5	14	8.2	33.1	8	250	42	38	22370.0039	63	22380.0039
	50	9.5	14	8.2	33.1	8	250	44	38	22370.0040	63	22380.0040
	60	9.5	14	8.2	33.1	8	250	47	38	22370.0031	63	22380.0031
	70	9.5	14	8.2	33.1	8	250	51	38	22370.0041	63	22380.0041
10	15	12.0	14	9.6	33.1	10	250	36	60	22370.0059	100	22380.0059
	20	12.0	14	9.6	33.1	10	250	39	60	22370.0044	100	22380.0044
	25	12.0	14	9.6	33.1	10	250	42	60	22370.0045	100	22380.0045
	30	12.0	14	9.6	33.1	10	250	45	60	22370.0046	100	22380.0046
	35	12.0	14	9.6	33.1	10	250	48	60	22370.0047	100	22380.0047
	40	12.0	14	9.6	33.1	10	250	51	60	22370.0048	100	22380.0048
	45	12.0	14	9.6	33.1	10	250	54	60	22370.0049	100	22380.0049
	50	12.0	14	9.6	33.1	10	250	57	60	22370.0050	100	22380.0050
	60	12.0	14	9.6	33.1	10	250	63	60	22370.0052	100	22380.0052
	70	12.0	14	9.6	33.1	10	250	69	60	22370.0053	100	22380.0053
	80	12.0	14	9.6	33.1	10	250	74	60	22370.0054	100	22380.0054
12	20	14.5	20	10.6	39.5	12	250	79	87	22370.0064	144	22380.0064
	25	14.5	20	10.6	39.5	12	250	84	87	22370.0065	144	22380.0065
	30	14.5	20	10.6	39.5	12	250	88	87	22370.0066	144	22380.0066
	35	14.5	20	10.6	39.5	12	250	92	87	22370.0067	144	22380.0067
	40	14.5	20	10.6	39.5	12	250	97	87	22370.0068	144	22380.0068
	45	14.5	20	10.6	39.5	12	250	101	87	22370.0069	144	22380.0069
	50	14.5	20	10.6	39.5	12	250	105	87	22370.0070	144	22380.0070
	60	14.5	20	10.6	39.5	12	250	113	87	22370.0072	144	22380.0072
	70	14.5	20	10.6	39.5	12	250	122	87	22370.0074	144	22380.0074
	80	14.5	20	10.6	39.5	12	250	130	87	22370.0076	144	22380.0076
	90	14.5	20	10.6	39.5	12	250	139	87	22370.0060	144	22380.0060
12	100	14.5	20	10.6	39.5	12	250	147	87	22370.0061	144	22380.0061
	110	14.5	20	10.6	39.5	12	250	156	87	22370.0062	144	22380.0062
	120	14.5	20	10.6	39.5	12	250	165	87	22370.0063	144	22380.0063

¹⁾ Shearing resistance similar to DIN 50141


Dimensions						Location hole H11	 max.	 [g]	Stainless steel 1.4305		Stainless steel 1.4542, precipitation-hardened	
d_1 -0.04 -0.08	l_1 +0.6	d_2	d_3	l_2 ± 1	l_3				Shearing resistance, two-shear ¹⁾ min.	Art. No.	Shearing resistance, two-shear ¹⁾ min.	Art. No.
[mm]						[mm]	[°C]	[g]	[kN]		[kN]	
16	30	19.0	20	14.0	39.5	16	250	123	155	22370.0086	257	22380.0086
	35	19.0	20	14.0	39.5	16	250	130	155	22370.0087	257	22380.0087
	40	19.0	20	14.0	39.5	16	250	138	155	22370.0088	257	22380.0088
	45	19.0	20	14.0	39.5	16	250	146	155	22370.0089	257	22380.0089
	50	19.0	20	14.0	39.5	16	250	154	155	22370.0090	257	22380.0090
	60	19.0	20	14.0	39.5	16	250	169	155	22370.0092	257	22380.0092
	70	19.0	20	14.0	39.5	16	250	185	155	22370.0094	257	22380.0094
	80	19.0	20	14.0	39.5	16	250	200	155	22370.0096	257	22380.0096
	90	19.0	20	14.0	39.5	16	250	216	155	22370.0097	257	22380.0097
	100	19.0	20	14.0	39.5	16	250	232	155	22370.0098	257	22380.0098
	110	19.0	20	14.0	39.5	16	250	248	155	22370.0099	257	22380.0099
	120	19.0	20	14.0	39.5	16	250	263	155	22370.0100	257	22380.0100
	130	19.0	20	14.0	39.5	16	250	278	155	22370.0101	257	22380.0101
	140	19.0	20	14.0	39.5	16	250	294	155	22370.0102	257	22380.0102
	150	19.0	20	14.0	39.5	16	250	310	155	22370.0103	257	22380.0103
20	50	25.0	28	20.5	49.9	20	250	301	244	22370.0111	403	22380.0111
	60	25.0	28	20.5	49.9	20	250	326	244	22370.0112	403	22380.0112
	70	25.0	28	20.5	49.9	20	250	351	244	22370.0113	403	22380.0113
	80	25.0	28	20.5	49.9	20	250	375	244	22370.0116	403	22380.0116
	90	25.0	28	20.5	49.9	20	250	399	244	22370.0117	403	22380.0117
	100	25.0	28	20.5	49.9	20	250	423	244	22370.0120	403	22380.0120
	110	25.0	28	20.5	49.9	20	250	448	244	22370.0121	403	22380.0121
	120	25.0	28	20.5	49.9	20	250	472	244	22370.0124	403	22380.0124
	130	25.0	28	20.5	49.9	20	250	498	244	22370.0125	403	22380.0125
	140	25.0	28	20.5	49.9	20	250	520	244	22370.0126	403	22380.0126
25	50	30.8	28	22.0	49.9	25	250	399	386	22370.0129	631	22380.0129
	60	30.8	28	22.0	49.9	25	250	437	386	22370.0130	631	22380.0130
	70	30.8	28	22.0	49.9	25	250	477	386	22370.0131	631	22380.0131
	80	30.8	28	22.0	49.9	25	250	513	386	22370.0132	631	22380.0132
	90	30.8	28	22.0	49.9	25	250	551	386	22370.0133	631	22380.0133
	100	30.8	28	22.0	49.9	25	250	588	386	22370.0134	631	22380.0134
	110	30.8	28	22.0	49.9	25	250	627	386	22370.0135	631	22380.0135
	120	30.8	28	22.0	49.9	25	250	664	386	22370.0136	631	22380.0136
	130	30.8	28	22.0	49.9	25	250	703	386	22370.0137	631	22380.0137
	140	30.8	28	22.0	49.9	25	250	743	386	22370.0138	631	22380.0138
	150	30.8	28	22.0	49.9	25	250	779	386	22370.0139	631	22380.0139

¹⁾ Shearing resistance similar to DIN 50141

APPLICATION EXAMPLE

