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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

Customized design on request.

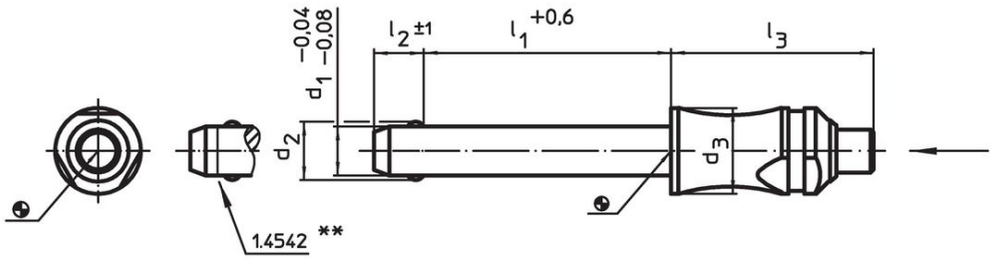
Accessories

Can easily be fitted with retaining cable EH 22400.

Further products

- Ball Lock Pins, self-locking, with standard handle, titanium
- Locating Bushings, for ball lock pins and socket pins
- Locating Bushings, with flange, for ball lock pins and socket pins
- Retaining Cables
- Positioning Bushings, with collar, DIN 172 A
- Positioning Bushings, without collar, DIN 179 A

Drawing



** Types from stainless steel 1.4542 with marking.

Order information

Dimensions						Location hole H11	max.		Shearing resistance, two-shear[1] min.	Art. No.
d_1 -0.04 -0.08	l_1 +0.6	d_2	d_3	l_2 ±1	l_3					
[mm]						[mm]	[°C]	[g]	[kN]	
Stainless steel 1.4305										
5	**10**	5.5	10	6.0	26.2	5	250	10	14	22370.0012
5	**15**	5.5	10	6.0	26.2	5	250	11	14	22370.0013
5	**20**	5.5	10	6.0	26.2	5	250	12	14	22370.0014
5	**25**	5.5	10	6.0	26.2	5	250	12	14	22370.0015
5	**30**	5.5	10	6.0	26.2	5	250	13	14	22370.0016
5	**35**	5.5	10	6.0	26.2	5	250	14	14	22370.0017
5	**40**	5.5	10	6.0	26.2	5	250	14	14	22370.0018

[1] Shearing resistance similar to DIN 50141

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Dimensions						Location hole H11	max.		Shearing resistance, two-shear[1] min.	Art. No.
d_1 -0.04 -0.08	l_1 +0.6	d_2	d_3	l_2 ±1	l_3					
[mm]						[mm]	[°C]	[g]	[kN]	
5	45	5.5	10	6.0	26.2	5	250	15	14	22370.0007
5	50	5.5	10	6.0	26.2	5	250	16	14	22370.0008
5	60	5.5	10	6.0	26.2	5	250	17	14	22370.0009
5	70	5.5	10	6.0	26.2	5	250	19	14	22370.0010
5	80	5.5	10	6.0	26.2	5	250	20	14	22370.0011
6	10	7.0	10	7.0	26.2	6	250	11	21	22370.0022
6	15	7.0	10	7.0	26.2	6	250	12	21	22370.0023
6	20	7.0	10	7.0	26.2	6	250	13	21	22370.0024
6	25	7.0	10	7.0	26.2	6	250	14	21	22370.0025
6	30	7.0	10	7.0	26.2	6	250	15	21	22370.0026
6	35	7.0	10	7.0	26.2	6	250	16	21	22370.0027
6	40	7.0	10	7.0	26.2	6	250	17	21	22370.0028
6	45	7.0	10	7.0	26.2	6	250	18	21	22370.0029
6	50	7.0	10	7.0	26.2	6	250	19	21	22370.0030
6	60	7.0	10	7.0	26.2	6	250	21	21	22370.0019
6	70	7.0	10	7.0	26.2	6	250	23	21	22370.0020
6	80	7.0	10	7.0	26.2	6	250	25	21	22370.0021
8	10	9.5	14	8.2	33.1	8	250	29	38	22370.0032
8	15	9.5	14	8.2	33.1	8	250	31	38	22370.0033
8	20	9.5	14	8.2	33.1	8	250	33	38	22370.0034
8	25	9.5	14	8.2	33.1	8	250	34	38	22370.0035
8	30	9.5	14	8.2	33.1	8	250	36	38	22370.0036
8	35	9.5	14	8.2	33.1	8	250	38	38	22370.0037
8	40	9.5	14	8.2	33.1	8	250	40	38	22370.0038
8	45	9.5	14	8.2	33.1	8	250	42	38	22370.0039
8	50	9.5	14	8.2	33.1	8	250	44	38	22370.0040
8	60	9.5	14	8.2	33.1	8	250	47	38	22370.0031
8	70	9.5	14	8.2	33.1	8	250	51	38	22370.0041
8	80	9.5	14	8.2	33.1	8	250	55	38	22370.0042
8	90	9.5	14	8.2	33.1	8	250	58	38	22370.0043
8	100	9.5	14	8.2	33.1	8	250	62	38	22370.0051
10	15	12.0	14	9.6	33.1	10	250	36	60	22370.0059
10	20	12.0	14	9.6	33.1	10	250	39	60	22370.0044
10	25	12.0	14	9.6	33.1	10	250	42	60	22370.0045
10	30	12.0	14	9.6	33.1	10	250	45	60	22370.0046
10	35	12.0	14	9.6	33.1	10	250	48	60	22370.0047
10	40	12.0	14	9.6	33.1	10	250	51	60	22370.0048
10	45	12.0	14	9.6	33.1	10	250	54	60	22370.0049
10	50	12.0	14	9.6	33.1	10	250	57	60	22370.0050
10	60	12.0	14	9.6	33.1	10	250	63	60	22370.0052
10	70	12.0	14	9.6	33.1	10	250	69	60	22370.0053
10	80	12.0	14	9.6	33.1	10	250	74	60	22370.0054
10	90	12.0	14	9.6	33.1	10	250	80	60	22370.0055
10	100	12.0	14	9.6	33.1	10	250	86	60	22370.0056
10	110	12.0	14	9.6	33.1	10	250	92	60	22370.0057
10	120	12.0	14	9.6	33.1	10	250	98	60	22370.0058
12	20	14.5	20	10.6	39.5	12	250	80	87	22370.0064
12	25	14.5	20	10.6	39.5	12	250	92	87	22370.0065
12	30	14.5	20	10.6	39.5	12	250	88	87	22370.0066
12	35	14.5	20	10.6	39.5	12	250	92	87	22370.0067
12	40	14.5	20	10.6	39.5	12	250	96	87	22370.0068
12	45	14.5	20	10.6	39.5	12	250	101	87	22370.0069
12	50	14.5	20	10.6	39.5	12	250	105	87	22370.0070
12	60	14.5	20	10.6	39.5	12	250	113	87	22370.0072
12	70	14.5	20	10.6	39.5	12	250	122	87	22370.0074
12	80	14.5	20	10.6	39.5	12	250	130	87	22370.0076
12	90	14.5	20	10.6	39.5	12	250	139	87	22370.0060
12	100	14.5	20	10.6	39.5	12	250	147	87	22370.0061
12	110	14.5	20	10.6	39.5	12	250	156	87	22370.0062

[1] Shearing resistance similar to DIN 50141

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Dimensions						Location hole H11	max.		Shearing resistance, two-shear[1] min.	Art. No.
d_1 -0.04 -0.08	l_1 +0.6	d_2	d_3	l_2 ±1	l_3					
[mm]						[mm]	[°C]	[g]	[kN]	
12	**120**	14.5	20	10.6	39.5	12	250	165	87	22370.0063
16	**30**	19.0	20	14.0	39.5	16	250	123	155	22370.0086
16	**35**	19.0	20	14.0	39.5	16	250	130	155	22370.0087
16	**40**	19.0	20	14.0	39.5	16	250	138	155	22370.0088
16	**45**	19.0	20	14.0	39.5	16	250	146	155	22370.0089
16	**50**	19.0	20	14.0	39.5	16	250	154	155	22370.0090
16	**60**	19.0	20	14.0	39.5	16	250	169	155	22370.0092
16	**70**	19.0	20	14.0	39.5	16	250	184	155	22370.0094
16	**80**	19.0	20	14.0	39.5	16	250	200	155	22370.0096
16	**90**	19.0	20	14.0	39.5	16	250	216	155	22370.0097
16	**100**	19.0	20	14.0	39.5	16	250	231	155	22370.0098
16	**110**	19.0	20	14.0	39.5	16	250	248	155	22370.0099
16	**120**	19.0	20	14.0	39.5	16	250	263	155	22370.0100
16	**130**	19.0	20	14.0	39.5	16	250	279	155	22370.0101
16	**140**	19.0	20	14.0	39.5	16	250	295	155	22370.0102
16	**150**	19.0	20	14.0	39.5	16	250	310	155	22370.0103
20	**50**	25.0	28	20.5	49.9	20	250	302	244	22370.0111
20	**60**	25.0	28	20.5	49.9	20	250	326	244	22370.0112
20	**70**	25.0	28	20.5	49.9	20	250	351	244	22370.0113
20	**80**	25.0	28	20.5	49.9	20	250	374	244	22370.0116
20	**90**	25.0	28	20.5	49.9	20	250	400	244	22370.0117
20	**100**	25.0	28	20.5	49.9	20	250	424	244	22370.0120
20	**110**	25.0	28	20.5	49.9	20	250	449	244	22370.0121
20	**120**	25.0	28	20.5	49.9	20	250	472	244	22370.0124
20	**130**	25.0	28	20.5	49.9	20	250	496	244	22370.0125
20	**140**	25.0	28	20.5	49.9	20	250	520	244	22370.0126
20	**150**	25.0	28	20.5	49.9	20	250	545	244	22370.0127
25	**50**	30.8	28	22.0	49.9	25	250	400	386	22370.0129
25	**60**	30.8	28	22.0	49.9	25	250	437	386	22370.0130
25	**70**	30.8	28	22.0	49.9	25	250	474	386	22370.0131
25	**80**	30.8	28	22.0	49.9	25	250	512	386	22370.0132
25	**90**	30.8	28	22.0	49.9	25	250	551	386	22370.0133
25	**100**	30.8	28	22.0	49.9	25	250	586	386	22370.0134
25	**110**	30.8	28	22.0	49.9	25	250	626	386	22370.0135
25	**120**	30.8	28	22.0	49.9	25	250	665	386	22370.0136
25	**130**	30.8	28	22.0	49.9	25	250	701	386	22370.0137
25	**140**	30.8	28	22.0	49.9	25	250	740	386	22370.0138
25	**150**	30.8	28	22.0	49.9	25	250	778	386	22370.0139
Stainless steel 1.4542, precipitation-hardened										
5	**10**	5.5	10	6.0	26.2	5	250	10	24	22380.0012
5	**15**	5.5	10	6.0	26.2	5	250	11	24	22380.0013
5	**20**	5.5	10	6.0	26.2	5	250	13	24	22380.0014
5	**25**	5.5	10	6.0	26.2	5	250	12	24	22380.0015
5	**30**	5.5	10	6.0	26.2	5	250	13	24	22380.0016
5	**35**	5.5	10	6.0	26.2	5	250	14	24	22380.0017
5	**40**	5.5	10	6.0	26.2	5	250	14	24	22380.0018
5	**45**	5.5	10	6.0	26.2	5	250	15	24	22380.0007
5	**50**	5.5	10	6.0	26.2	5	250	16	24	22380.0008
5	**60**	5.5	10	6.0	26.2	5	250	17	24	22380.0009
5	**70**	5.5	10	6.0	26.2	5	250	18	24	22380.0010
5	**80**	5.5	10	6.0	26.2	5	250	20	24	22380.0011
6	**10**	7.0	10	7.0	26.2	6	250	11	35	22380.0022
6	**15**	7.0	10	7.0	26.2	6	250	12	35	22380.0023
6	**20**	7.0	10	7.0	26.2	6	250	13	35	22380.0024
6	**25**	7.0	10	7.0	26.2	6	250	14	35	22380.0025
6	**30**	7.0	10	7.0	26.2	6	250	15	35	22380.0026
6	**35**	7.0	10	7.0	26.2	6	250	16	35	22380.0027
6	**40**	7.0	10	7.0	26.2	6	250	17	35	22380.0028

[1] Shearing resistance similar to DIN 50141

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Dimensions						Location hole H11	max.		Shearing resistance, two-shear[1] min.	Art. No.
d_1 -0.04 -0.08	l_1 +0.6	d_2	d_3	l_2 ±1	l_3					
[mm]						[mm]	[°C]	[g]	[kN]	
6	45	7.0	10	7.0	26.2	6	250	18	35	22380.0029
6	50	7.0	10	7.0	26.2	6	250	19	35	22380.0030
6	60	7.0	10	7.0	26.2	6	250	21	35	22380.0019
6	70	7.0	10	7.0	26.2	6	250	23	35	22380.0020
6	80	7.0	10	7.0	26.2	6	250	25	35	22380.0021
8	10	9.5	14	8.2	33.1	8	250	29	63	22380.0032
8	15	9.5	14	8.2	33.1	8	250	30	63	22380.0033
8	20	9.5	14	8.2	33.1	8	250	32	63	22380.0034
8	25	9.5	14	8.2	33.1	8	250	34	63	22380.0035
8	30	9.5	14	8.2	33.1	8	250	36	63	22380.0036
8	35	9.5	14	8.2	33.1	8	250	38	63	22380.0037
8	40	9.5	14	8.2	33.1	8	250	40	63	22380.0038
8	45	9.5	14	8.2	33.1	8	250	41	63	22380.0039
8	50	9.5	14	8.2	33.1	8	250	43	63	22380.0040
8	60	9.5	14	8.2	33.1	8	250	47	63	22380.0031
8	70	9.5	14	8.2	33.1	8	250	50	63	22380.0041
8	80	9.5	14	8.2	33.1	8	250	54	63	22380.0042
8	90	9.5	14	8.2	33.1	8	250	58	63	22380.0043
8	100	9.5	14	8.2	33.1	8	250	61	63	22380.0051
10	15	12.0	14	9.6	33.1	10	250	36	100	22380.0059
10	20	12.0	14	9.6	33.1	10	250	39	100	22380.0044
10	25	12.0	14	9.6	33.1	10	250	42	100	22380.0045
10	30	12.0	14	9.6	33.1	10	250	45	100	22380.0046
10	35	12.0	14	9.6	33.1	10	250	47	100	22380.0047
10	40	12.0	14	9.6	33.1	10	250	50	100	22380.0048
10	45	12.0	14	9.6	33.1	10	250	53	100	22380.0049
10	50	12.0	14	9.6	33.1	10	250	56	100	22380.0050
10	60	12.0	14	9.6	33.1	10	250	62	100	22380.0052
10	70	12.0	14	9.6	33.1	10	250	68	100	22380.0053
10	80	12.0	14	9.6	33.1	10	250	73	100	22380.0054
10	90	12.0	14	9.6	33.1	10	250	79	100	22380.0055
10	100	12.0	14	9.6	33.1	10	250	85	100	22380.0056
10	110	12.0	14	9.6	33.1	10	250	91	100	22380.0057
10	120	12.0	14	9.6	33.1	10	250	97	100	22380.0058
12	20	14.5	20	10.6	39.5	12	250	79	144	22380.0064
12	25	14.5	20	10.6	39.5	12	250	83	144	22380.0065
12	30	14.5	20	10.6	39.5	12	250	87	144	22380.0066
12	35	14.5	20	10.6	39.5	12	250	91	144	22380.0067
12	40	14.5	20	10.6	39.5	12	250	95	144	22380.0068
12	45	14.5	20	10.6	39.5	12	250	99	144	22380.0069
12	50	14.5	20	10.6	39.5	12	250	104	144	22380.0070
12	60	14.5	20	10.6	39.5	12	250	112	144	22380.0072
12	70	14.5	20	10.6	39.5	12	250	121	144	22380.0074
12	80	14.5	20	10.6	39.5	12	250	129	144	22380.0076
12	90	14.5	20	10.6	39.5	12	250	137	144	22380.0060
12	100	14.5	20	10.6	39.5	12	250	146	144	22380.0061
12	110	14.5	20	10.6	39.5	12	250	154	144	22380.0062
12	120	14.5	20	10.6	39.5	12	250	163	144	22380.0063
16	30	19.0	20	14.0	39.5	16	250	122	257	22380.0086
16	35	19.0	20	14.0	39.5	16	250	129	257	22380.0087
16	40	19.0	20	14.0	39.5	16	250	136	257	22380.0088
16	45	19.0	20	14.0	39.5	16	250	146	257	22380.0089
16	50	19.0	20	14.0	39.5	16	250	152	257	22380.0090
16	60	19.0	20	14.0	39.5	16	250	167	257	22380.0092
16	70	19.0	20	14.0	39.5	16	250	183	257	22380.0094
16	80	19.0	20	14.0	39.5	16	250	199	257	22380.0096
16	90	19.0	20	14.0	39.5	16	250	214	257	22380.0097
16	100	19.0	20	14.0	39.5	16	250	230	257	22380.0098
16	110	19.0	20	14.0	39.5	16	250	245	257	22380.0099

[1] Shearing resistance similar to DIN 50141

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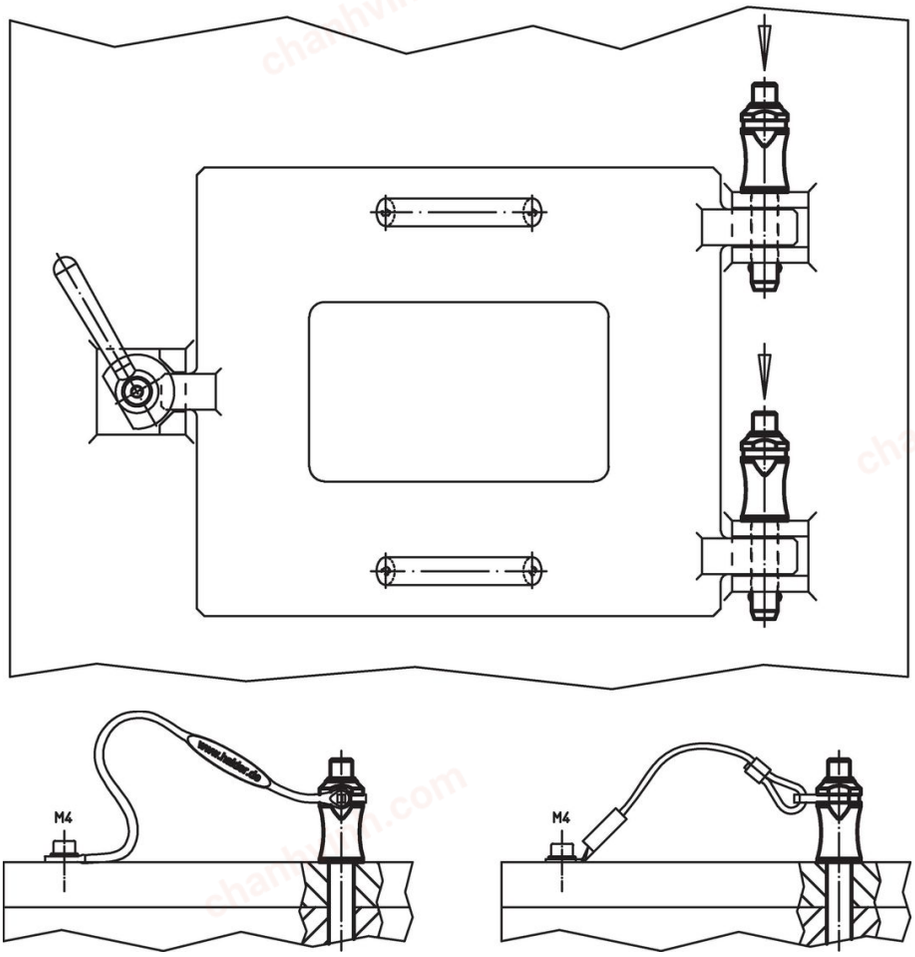
Dimensions						Location hole H11	max.		Shearing resistance, two-shear[1] min.	Art. No.
d_1 -0.04 -0.08	l_1 +0.6	d_2	d_3	l_2 ±1	l_3					
[mm]						[mm]	[°C]	[g]	[kN]	
16	**120**	19.0	20	14.0	39.5	16	250	261	257	22380.0100
16	**130**	19.0	20	14.0	39.5	16	250	276	257	22380.0101
16	**140**	19.0	20	14.0	39.5	16	250	291	257	22380.0102
16	**150**	19.0	20	14.0	39.5	16	250	306	257	22380.0103
20	**50**	25.0	28	20.5	49.9	20	250	300	403	22380.0111
20	**60**	25.0	28	20.5	49.9	20	250	323	403	22380.0112
20	**70**	25.0	28	20.5	49.9	20	250	347	403	22380.0113
20	**80**	25.0	28	20.5	49.9	20	250	370	403	22380.0116
20	**90**	25.0	28	20.5	49.9	20	250	395	403	22380.0117
20	**100**	25.0	28	20.5	49.9	20	250	419	403	22380.0120
20	**110**	25.0	28	20.5	49.9	20	250	442	403	22380.0121
20	**120**	25.0	28	20.5	49.9	20	250	468	403	22380.0124
20	**130**	25.0	28	20.5	49.9	20	250	492	403	22380.0125
20	**140**	25.0	28	20.5	49.9	20	250	516	403	22380.0126
20	**150**	25.0	28	20.5	49.9	20	250	541	403	22380.0127
25	**50**	30.8	28	22.0	49.9	25	250	395	631	22380.0129
25	**60**	30.8	28	22.0	49.9	25	250	432	631	22380.0130
25	**70**	30.8	28	22.0	49.9	25	250	471	631	22380.0131
25	**80**	30.8	28	22.0	49.9	25	250	506	631	22380.0132
25	**90**	30.8	28	22.0	49.9	25	250	545	631	22380.0133
25	**100**	30.8	28	22.0	49.9	25	250	582	631	22380.0134
25	**110**	30.8	28	22.0	49.9	25	250	620	631	22380.0135
25	**120**	30.8	28	22.0	49.9	25	250	658	631	22380.0136
25	**130**	30.8	28	22.0	49.9	25	250	694	631	22380.0137
25	**140**	30.8	28	22.0	49.9	25	250	732	631	22380.0138
25	**150**	30.8	28	22.0	49.9	25	250	771	631	22380.0139

[1] Shearing resistance similar to DIN 50141

Application example



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Compliance

RoHS-compliant
Compliant with Directive 2011/65/EU [RoHS].

Does not contain SVHC substances
No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 04.02.2026.

SCIP-code
N/A

Contains Proposition 65 substances
Nickel can cause cancer from exposure.
https://www.P65Warnings.ca.gov/

Free from Conflict Minerals
This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.