

## Ball Lock Pins• self-locking, basic type

EH 22370. /EH 22380.

### Product Description

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

Compact design with recessed grip.

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



### Material

#### Pin part

- Stainless Steel 1.4305
- Stainless Steel 1.4542, precipitation-hardened

#### Spring

- Stainless steel

### Operation

The balls are unlocked by pressing the knob.

### Characteristic

Types from stainless steel 1.4542 with marking below the balls.

### More information

### Notes

Special types on request.

- RoHS compliant
- REACH compliant
- Free of conflict minerals

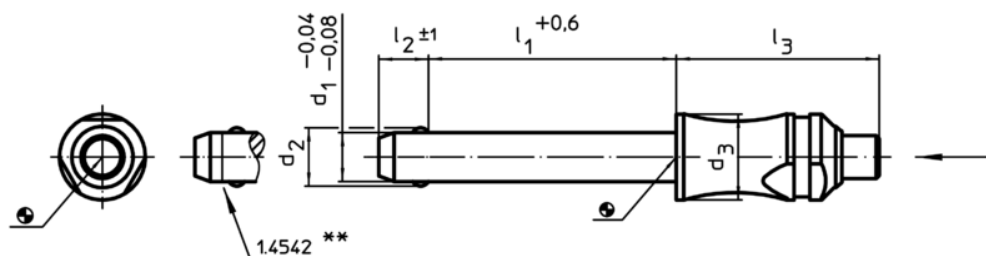
### Accessories

Can easily be fitted with retaining cable EH 22400.0970/ 0974. Further fixing possibilities on request.

### Further products

- Locating Bushings, for ball lock pins and socket pins
- Retaining Cables

### Drawing





\*\* Types from stainless steel 1.4542 with marking.



### Order information

Dimensions						Location hole	max.	g	Shearing resistance, double <sup>1)</sup> min.	Art. No.
d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	l <sub>2</sub>	l <sub>3</sub>	H11				
-0,04 -0,08	+0,6			±1			[°C]	[g]	[kN]	
[mm]										
Stainless Steel 1.4305										
5	10	5,5	10	6,0	26,2	5	250	10	14	<a href="#">22370.0012</a>
5	15	5,5	10	6,0	26,2	5	250	11	14	<a href="#">22370.0013</a>
5	20	5,5	10	6,0	26,2	5	250	12	14	<a href="#">22370.0014</a>
5	25	5,5	10	6,0	26,2	5	250	13	14	<a href="#">22370.0015</a>
5	30	5,5	10	6,0	26,2	5	250	13	14	<a href="#">22370.0016</a>
6	10	7,0	10	7,0	26,2	6	250	11	21	<a href="#">22370.0022</a>
6	15	7,0	10	7,0	26,2	6	250	12	21	<a href="#">22370.0023</a>
6	20	7,0	10	7,0	26,2	6	250	13	21	<a href="#">22370.0024</a>
6	25	7,0	10	7,0	26,2	6	250	14	21	<a href="#">22370.0025</a>
6	30	7,0	10	7,0	26,2	6	250	15	21	<a href="#">22370.0026</a>

<sup>1)</sup> Shearing resistance similar to DIN 50141

d <sub>1</sub> -0,04 -0,08	l <sub>1</sub> +0,6	Dimensions				l <sub>2</sub> ±1	l <sub>3</sub>	Location hole H11	 max.	 [g]	Shearing resistance, double <sup>1)</sup> min.	Art. No.			
		d <sub>2</sub>	d <sub>3</sub>	[mm]									[mm]	[°C]	[kN]
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					
8	20	9,6	14	8,2	33,1	8	250	33	38	22370.0034					
8	25	9,6	14	8,2	33,1	8	250	34	38	22370.0035					
8	30	9,6	14	8,2	33,1	8	250	36	38	22370.0036					
8	35	9,6	14	8,2	33,1	8	250	38	38	22370.0037					
8	40	9,6	14	8,2	33,1	8	250	40	38	22370.0038					
8	45	9,6	14	8,2	33,1	8	250	42	38	22370.0039					
8	50	9,6	14	8,2	33,1	8	250	44	38	22370.0040					
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					
12	25	14,5	20	10,6	39,5	12	250	84	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					
16	30	19,0	20	14,0	39,5	16	250	120	155	22370.0086					
16	35	19,0	20	14,0	39,5	16	250	127	155	22370.0087					
16	40	19,0	20	14,0	39,5	16	250	135	155	22370.0088					
16	45	19,0	20	14,0	39,5	16	250	143	155	22370.0089					
16	50	19,0	20	14,0	39,5	16	250	150	155	22370.0090					
16	60	19,0	20	14,0	39,5	16	250	166	155	22370.0092					
16	70	19,0	20	14,0	39,5	16	250	181	155	22370.0094					
16	80	19,0	20	14,0	39,5	16	250	196	155	22370.0096					
20	60	25,0	28	20,5	50,1	20	250	322	244	22370.0112					
20	80	25,0	28	20,5	50,1	20	250	370	244	22370.0116					
20	100	25,0	28	20,5	50,1	20	250	414	244	22370.0120					
20	120	25,0	28	20,5	50,1	20	250	466	244	22370.0124					
<b>Stainless Steel 1.4542, precipitation-hardened</b>															
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	12	24	22380.0014					
5	25	5,5	10	6,0	26,2	5	250	13	24	22380.0015					
5	30	5,5	10	6,0	26,2	5	250	13	24	22380.0016					
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					
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					
8	20	9,6	14	8,2	33,1	8	250	33	63	22380.0034					
8	25	9,6	14	8,2	33,1	8	250	34	63	22380.0035					
8	30	9,6	14	8,2	33,1	8	250	36	63	22380.0036					

<sup>1)</sup> Shearing resistance similar to DIN 50141

d <sub>1</sub> -0,04 -0,08	l <sub>1</sub> +0,6	Dimensions				l <sub>2</sub> ±1	l <sub>3</sub>	Location hole H11	 max.	 [g]	Shearing resistance, double <sup>1)</sup> min.	Art. No.
		d <sub>2</sub>	d <sub>3</sub>	[mm]								
8	35	9,6	14	8,2	33,1	8	250	38	63	22380.0037		
8	40	9,6	14	8,2	33,1	8	250	40	63	22380.0038		
8	45	9,6	14	8,2	33,1	8	250	42	63	22380.0039		
8	50	9,6	14	8,2	33,1	8	250	44	63	22380.0040		
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	48	100	22380.0047		
10	40	12,0	14	9,6	33,1	10	250	51	100	22380.0048		
10	45	12,0	14	9,6	33,1	10	250	54	100	22380.0049		
10	50	12,0	14	9,6	33,1	10	250	57	100	22380.0050		
10	60	12,0	14	9,6	33,1	10	250	63	100	22380.0052		
12	25	14,5	20	10,6	39,5	12	250	84	144	22380.0065		
12	30	14,5	20	10,6	39,5	12	250	88	144	22380.0066		
12	35	14,5	20	10,6	39,5	12	250	92	144	22380.0067		
12	40	14,5	20	10,6	39,5	12	250	96	144	22380.0068		
12	45	14,5	20	10,6	39,5	12	250	101	144	22380.0069		
12	50	14,5	20	10,6	39,5	12	250	105	144	22380.0070		
12	60	14,5	20	10,6	39,5	12	250	113	144	22380.0072		
12	70	14,5	20	10,6	39,5	12	250	122	144	22380.0074		
12	80	14,5	20	10,6	39,5	12	250	130	144	22380.0076		
16	30	19,0	20	14,0	39,5	16	250	120	257	22380.0086		
16	35	19,0	20	14,0	39,5	16	250	127	257	22380.0087		
16	40	19,0	20	14,0	39,5	16	250	135	257	22380.0088		
16	45	19,0	20	14,0	39,5	16	250	143	257	22380.0089		
16	50	19,0	20	14,0	39,5	16	250	150	257	22380.0090		
16	60	19,0	20	14,0	39,5	16	250	166	257	22380.0092		
16	70	19,0	20	14,0	39,5	16	250	181	257	22380.0094		
16	80	19,0	20	14,0	39,5	16	250	196	257	22380.0096		
20	60	25,0	28	20,5	50,1	20	250	322	403	22380.0112		
20	80	25,0	28	20,5	50,1	20	250	370	403	22380.0116		
20	100	25,0	28	20,5	50,1	20	250	414	403	22380.0120		
20	120	25,0	28	20,5	50,1	20	250	466	403	22380.0124		

<sup>1)</sup> Shearing resistance similar to DIN 50141

Application example

