

Ball Lock Pins • self-locking, with standard handle, titanium

EH 22390.

2



PRODUCT DESCRIPTION

Ball lock pins made from titanium stand out due to the following positive material features:

- Over 40% lighter weight compared to a steel variant
- Absolutely corrosion resistant.

The version made from titanium is used in areas such as lightweight construction, maritime environments and chemical manufacturing.

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

Compact design with standard handle.

Material

Pin part

- Titanium

Ball

- Ceramic

Spring

- Corrosion resistant alloy

Operation

The balls are unlocked by pressing the button.

MORE INFORMATION

Notes

Special types on request.

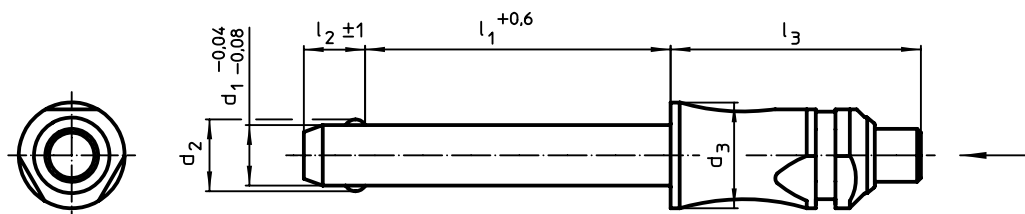
Accessories

Can easily be fitted with retaining cable EH 22400.

Further products

Ball Lock Pins, self-locking, with standard handle → p. 231
Retaining Cables → p. 249

DRAWING



ORDER INFORMATION

Dimensions						Location hole H11	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			max.		
[mm]								[mm]	[kN]	
6	10	7.0	10	7.0	26.2	6	23	400	6.6	22390.0022
	20	7.0	10	7.0	26.2	6	23	400	7.7	22390.0024
	30	7.0	10	7.0	26.2	6	23	400	8.8	22390.0026
	40	7.0	10	7.0	26.2	6	23	400	9.9	22390.0028
	50	7.0	10	7.0	26.2	6	23	400	11.0	22390.0030
8	20	9.5	14	8.2	33.1	8	43	400	18.0	22390.0034
	30	9.5	14	8.2	33.1	8	43	400	20.0	22390.0036
	40	9.5	14	8.2	33.1	8	43	400	23.0	22390.0038
	50	9.5	14	8.2	33.1	8	43	400	25.0	22390.0040
10	20	12.0	14	9.6	33.1	10	43	400	22.0	22390.0044
	30	12.0	14	9.6	26.2	10	69	400	25.0	22390.0046
	40	12.0	14	9.6	26.2	10	69	400	29.0	22390.0048
	50	12.0	14	9.6	26.2	10	69	400	32.0	22390.0050
	60	12.0	14	9.6	26.2	10	69	400	35.0	22390.0052

¹⁾ Shearing resistance similar to DIN 50141 (determined by tests)

Socket Pins • with spring-loaded balls

EH 22400.

2



PRODUCT DESCRIPTION

For quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.
All versions are corrosion resistant.
Version with ergonomic grip.

Material

Pin part

- Stainless steel 1.4305

Handle

- Thermoplastic PA 6, grey

Spring

- Stainless steel

MORE INFORMATION

Notes

Security note: balls are spring-loaded and not locked as in article groups EH 22340., EH 22350., EH 22360., EH 22370. and EH 22380.

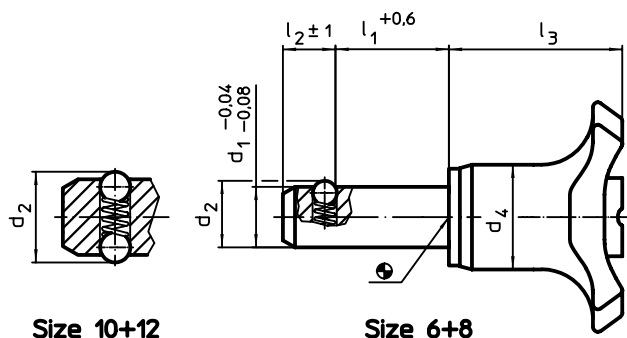
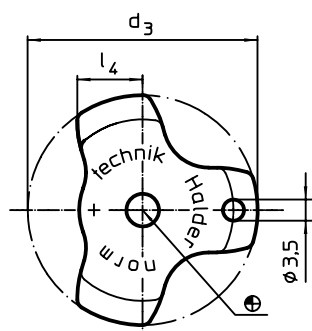
Accessories

Can easily be fitted with retaining cable EH 22400.

Further products

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



ORDER INFORMATION

Dimensions								Location hole H11	Shearing resist- ance, two-shear	Tensile force max. unlubri- cated	Temperature		Weight	Art. No.
d ₁ -0.04 -0.08	l ₁ +0.6	d ₂	d ₃	d ₄	l ₂ ±1	l ₃	l ₄				min.	max.		
[mm]								[mm]	[kN]	[N]	[°C]		[g]	
6	10	6.5	38	17.3	5.0	27.0	10.8	6	22	8	-30	80	16	22400.0062
	15	6.5	38	17.3	5.0	27.0	10.8	6	22	8	-30	80	17	22400.0064
	20	6.5	38	17.3	5.0	27.0	10.8	6	22	8	-30	80	18	22400.0066
	25	6.5	38	17.3	5.0	27.0	10.8	6	22	8	-30	80	19	22400.0068
	30	6.5	38	17.3	5.0	27.0	10.8	6	22	8	-30	80	19	22400.0070
	50	6.5	38	17.3	5.0	27.0	10.8	6	22	8	-30	80	24	22400.0075
8	15	8.7	38	17.3	6.3	28.6	10.8	8	40	15	-30	80	21	22400.0084
	20	8.7	38	17.3	6.3	28.6	10.8	8	40	15	-30	80	23	22400.0086
	25	8.7	38	17.3	6.3	28.6	10.8	8	40	15	-30	80	25	22400.0088
	30	8.7	38	17.3	6.3	28.6	10.8	8	40	15	-30	80	27	22400.0090
	50	8.7	38	17.3	6.3	28.6	10.8	8	40	15	-30	80	40	22400.0095
10	15	12.0	38	17.3	8.7	28.6	10.8	10	62	30	-30	80	30	22400.0104
	20	12.0	38	17.3	8.7	28.6	10.8	10	62	30	-30	80	34	22400.0106
	25	12.0	38	17.3	8.7	28.6	10.8	10	62	30	-30	80	37	22400.0108
	30	12.0	38	17.3	8.7	28.6	10.8	10	62	30	-30	80	40	22400.0110
	50	12.0	38	17.3	8.7	28.6	10.8	10	62	30	-30	80	52	22400.0115
12	20	14.5	38	17.3	9.5	28.6	10.8	12	90	32	-30	80	42	22400.0122
	30	14.5	38	17.3	9.5	28.6	10.8	12	90	32	-30	80	51	22400.0124
	40	14.5	38	17.3	9.5	28.6	10.8	12	90	32	-30	80	60	22400.0126
	50	14.5	38	17.3	9.5	28.6	10.8	12	90	32	-30	80	69	22400.0128