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Threaded Lock Pins • self-locking

EH 22355.



Product Description

Threaded lock pins are used for quick fastening, locking, adjusting, changing, clamping, connecting and securing. Quickly and easily unlockable for frequently repeated connections. By pressing the button, the threaded segments unlock and the threaded lock pin can be inserted into or removed from a threaded hole. A time-consuming screwing in and out is unnecessary. The threaded lock pin is characterised by the following features:

- Corrosion-protected
- No time-consuming screwing in and out
- Self-locking due to spring load

Material

Pin part
- Steel, manganese-phosphated
- Stainless Steel

Handle
- Thermoplastic PA 6, black, dull similar to RAL 9005

Press button
- Aluminium, orange, anodised

Threaded element
- Stainless steel 1.4542, precipitation-hardened

Spring
- Stainless Steel

Assembly

Threaded lock pins can only be mounted into a thread that is true to gauge.

Mounting:
1. Press in the button and hold it down.
2. Insert the threaded lock pin.
3. Release the button (The button must be back in its original position.).
4. Tighten the threaded lock pin by hand as required.
5. It must be ensured that the threaded segments are engaged in the mounting thread.

Dismantling:
1. Unscrew the threaded lock pin approx. a quarter of a turn anticlockwise.
2. Press in the button and hold it down.
3. Remove the threaded lock pin.
4. Release the button.

Operation

The threaded segments are unlocked by pressing the button.

More information

Notes

Customized design on request.
Due to the thread geometry, the clamping force is higher with the smaller thread sizes.

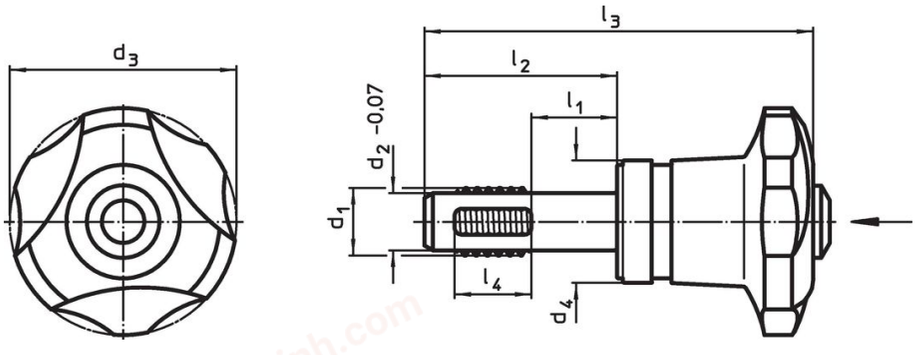
Accessories

Can easily be fitted with retaining cable EH 22355.

Further products

- Threaded Lock Pins, self-locking, with axial bearing
- Retaining Cables, for threaded lock pin

Drawing



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Order information

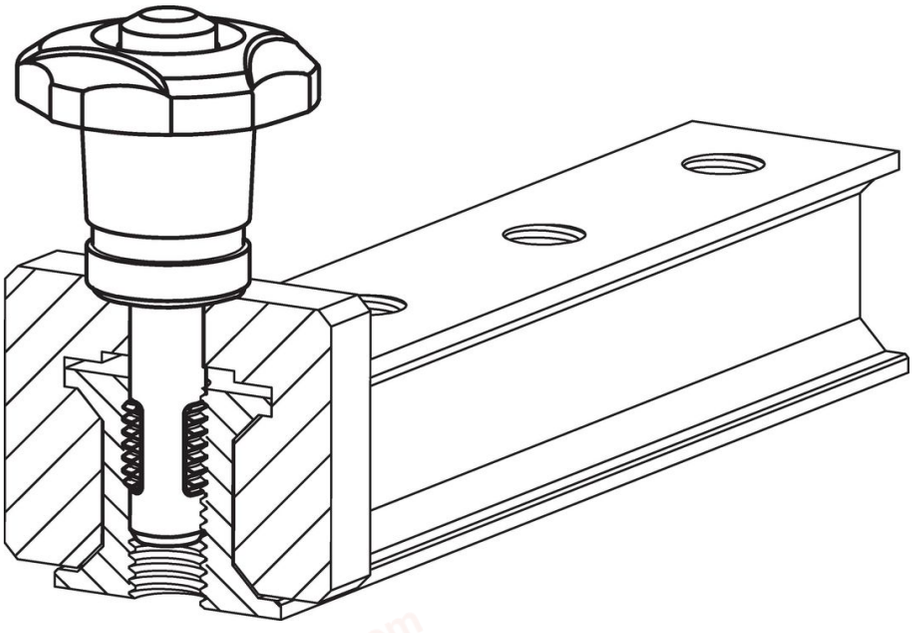
Dimensions								Locating thread			Tightening torque	Clamping force	Established tightening torque ~[1]	Clamping force ~[2]		Shearing resistance, two-shear[3]	Art. No.
d_1	l_1	d_2 -0.07	d_3 -1	d_4	l_2	l_3	l_4		min.	max.	max.	max.				min.	
[mm]								[mm]	[°C]		[Nm]	[kN]	[Nm]	[kN]	[g]	[kN]	
Steel, manganese-phosphated																	
M 8	**10**	6.62	40	21.6	23.8	58.4	8	M 8	-30	80	5	3.3	3.5	2.3	86	12.7	22355.0102
M 8	**20**	6.62	40	21.6	33.8	68.4	8	M 8	-30	80	5	3.3	3.5	2.3	88	12.7	22355.0104
M 8	**30**	6.62	40	21.6	43.8	78.4	8	M 8	-30	80	5	3.3	3.5	2.3	91	12.7	22355.0106
M10	**10**	8.35	40	21.6	26.0	60.6	10	M10	-30	80	5	2.9	3.5	2.0	91	20.6	22355.0202
M10	**20**	8.35	40	21.6	36.0	70.6	10	M10	-30	80	5	2.9	3.5	2.0	92	20.6	22355.0204
M10	**30**	8.35	40	21.6	46.0	80.6	10	M10	-30	80	5	2.9	3.5	2.0	98	20.6	22355.0206
M12	**15**	10.07	40	21.6	34.0	68.6	12	M12	-30	80	5	2.5	3.5	1.8	99	30.4	22355.0303
M12	**30**	10.07	40	21.6	49.0	83.6	12	M12	-30	80	5	2.5	3.5	1.8	108	30.4	22355.0306
M12	**50**	10.07	40	21.6	69.0	103.6	12	M12	-30	80	5	2.5	3.5	1.8	120	30.4	22355.0310
M16	**15**	13.80	40	21.6	34.0	68.6	12	M16	-30	80	5	2.1	3.5	1.5	116	62.9	22355.0503
M16	**30**	13.80	40	21.6	49.0	83.6	12	M16	-30	80	5	2.1	3.5	1.5	133	62.9	22355.0506
M16	**50**	13.80	40	21.6	69.0	103.6	12	M16	-30	80	5	2.1	3.5	1.5	154	62.9	22355.0510
Stainless Steel																	
M 8	**10**	6.62	40	21.6	23.8	58.4	8	M 8	-30	80	5	3.3	3.5	2.3	86	16.7	22355.1102
M 8	**20**	6.62	40	21.6	33.8	68.4	8	M 8	-30	80	5	3.3	3.5	2.3	89	16.7	22355.1104
M 8	**30**	6.62	40	21.6	43.8	78.4	8	M 8	-30	80	5	3.3	3.5	2.3	91	16.7	22355.1106
M10	**10**	8.35	40	21.6	26.0	60.6	10	M10	-30	80	5	2.9	3.5	2.0	91	27.1	22355.1202
M10	**20**	8.35	40	21.6	36.0	70.6	10	M10	-30	80	5	2.9	3.5	2.0	95	27.1	22355.1204
M10	**30**	8.35	40	21.6	46.0	80.6	10	M10	-30	80	5	2.9	3.5	2.0	99	27.1	22355.1206
M12	**15**	10.07	40	21.6	34.0	68.6	12	M12	-30	80	5	2.5	3.5	1.8	100	40.0	22355.1303
M12	**30**	10.07	40	21.6	49.0	83.6	12	M12	-30	80	5	2.5	3.5	1.8	109	40.0	22355.1306
M12	**50**	10.07	40	21.6	69.0	103.6	12	M12	-30	80	5	2.5	3.5	1.8	120	40.0	22355.1310
M16	**15**	13.80	40	21.6	34.0	68.6	12	M16	-30	80	5	2.1	3.5	1.5	115	82.7	22355.1503
M16	**30**	13.80	40	21.6	49.0	83.6	12	M16	-30	80	5	2.1	3.5	1.5	133	82.7	22355.1506
M16	**50**	13.80	40	21.6	69.0	103.6	12	M16	-30	80	5	2.1	3.5	1.5	156	82.7	22355.1510

[1] Average hand force established in trials.

[2] Average value (with hand force) established in trials.

[3] Shearing resistance similar to DIN 50141; values apply to applications in plugged condition (without applied tightening torque).

Application example



Compliance

For detailed compliance information please select the desired article number.