

Ball Lock Pins • single acting - comply with NAS / MS17985

4211.G40

**Product Description**

Ball Lock Pins according to MS17985 / NAS1333-1343 are used for quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

Ball Lock Pins (Quick Release Pins) are produced according to Aviation Norm MS / NAS and tested according to NAS 1332.

Surface treatment:

- All stainless steel parts are passivated according AMS2700
- All aluminium parts alloy anodized according MIL-A-8625

Heat treatment:

- Body: Rc. 40 min. (AMS2759, Condition H900)
- Spindle: Rc. 40 min. (AMS2759, Condition H900)
- Ball: Rc. 58-62 min. (AMS2759)

Material**Body**

- Stainless steel, precipitation-hardened, passivated - CRES 17-4PH (specification AMS5643)

Spindle

- Stainless steel, precipitation-hardened, passivated - CRES 17-4PH (specification AMS5643)

Spring

- Stainless steel, passivated - CRES 302 (specification ASTM-A-313)

Handle

- Aluminium, black anodised - Alum.Alloy A380 (specification ASTM B85/B85)

Attaching ring

- Stainless steel, passivated - CRES 302 (specification ASTM A-313/A313M)

Press button

- Stainless steel, passivated - CRES 303 (specification ASTM A484/484M)

Ball

- Stainless steel, precipitation-hardened, passivated - CRES 440C (specification AMS5630)

Operation

Ball lock pins single acting are self-locking and require a push of the button to release the balls.

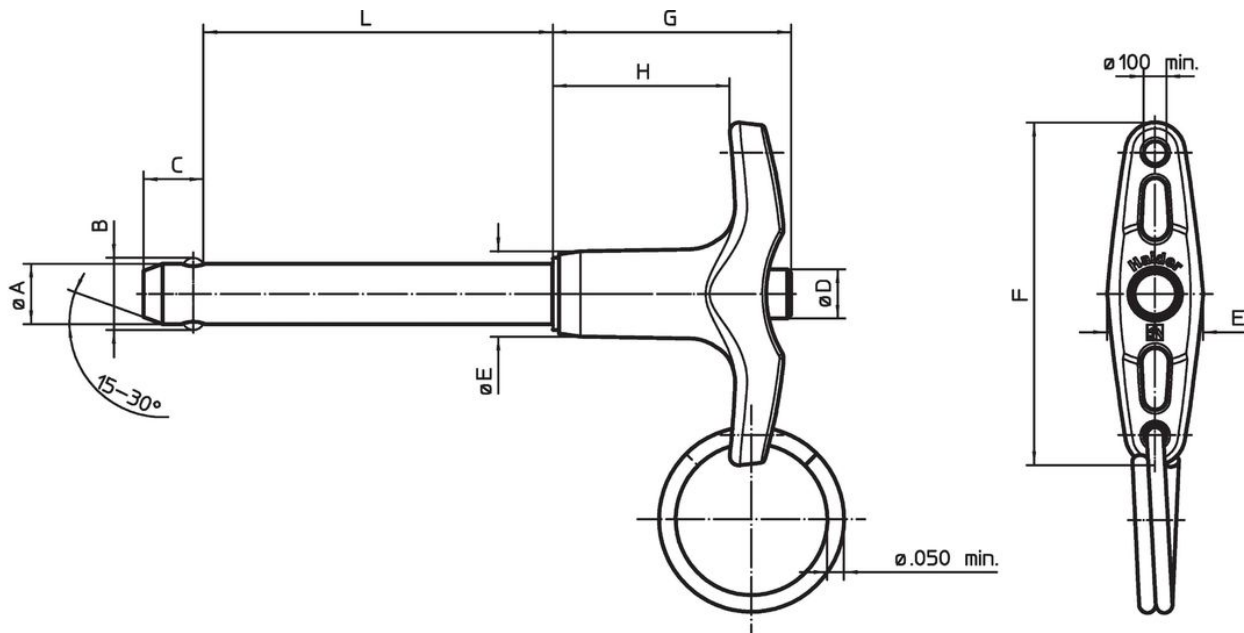
More information**Notes**

All further dimensions are available on request.

Other diameter / length combinations not listed which comply with the standard can be produced at short notice on customer request. Customized design on request.

- This product is manufactured in INCH dimensions.

Drawing



Order information

Nominal diameter A	A min.	A max.	Clamp- ing length L +0.02 0	Dimensions							Shearing resistance, two-shear min.	 min. max.		 [g]	Standard	Art. No.
				B ±0.005	C 0 -0.04	D max.	E max.	F max.	G max.	H min.						
	[in]	[in]		[in]	[in]	[in]	[in]	[in]	[in]	[in]		[lbf]	[°F]			
9/16	0.5595	0.561	4	0.666	0.51	0.565	0.8	2.345	1.6	0.885	46,700	-65	200	175	MS17985C940 / NAS1339A2C40D	4211.G40

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.