

**Ball Lock Pins with Button Handle** - single acting - according to NASM / MS 17984

4210.C19

**Product Description**

Quick Release Pins according to NASM (former norm: MS) are used for quick fastening, locking, adjusting, changing and securing. Quickly and easily unlockable for frequently repeated connections.

Quick Release Pins (Single Acting Ball Lock Pins / Ball Lock Pins) are produced according to Aviation Norm NASM (former norm: MS) and tested to NAS 1332.

A standard program is available from stock (refer to article table). Delivery time for customer orders and dimensions not mentioned here currently 8 weeks. Please note the minimum order quantity of 20 pieces.

**Material****Pin ①**

- Stainless steel, precipitation-hardened, passivated

**Press bolt ②**

- Stainless steel, precipitation-hardened, passivated

**Spring ③**

- Stainless steel, precipitation-hardened, passivated

**Handle ④**

- Aluminium, black anodised

**Attaching ring ⑤**

- Stainless steel, passivated

**Ball ⑥**

- Stainless steel, precipitation-hardened, passivated

**Operation**

The balls are unlocked by pressing the knob.

**More information****Notes**

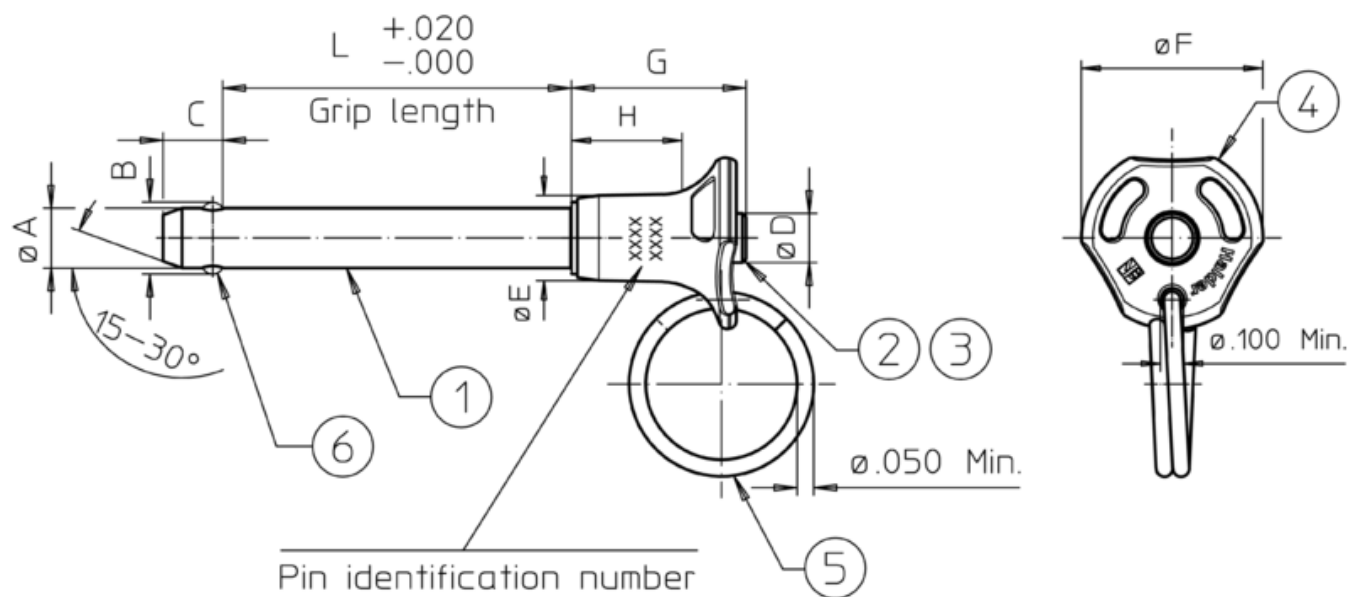
All further dimensions are available on request.

Special types on request.

**Further products**

- Ball Lock Pins, self-locking, with button handle
- Warning Streamers, according to NAS1756

# Drawing



Example:

Basic standard number  
Material: "C" – Corrosion resistant steel pin  
Shank diameter in 1/16" (here: 4/16" = 1/4")  
Grip length in 1/10" (here: 12/10" = 1.2")  
MS17984C412  
EH 40.0130  
Production lot number  
Company identification

Ball positions may be different than shown in the drawing (rotation may be possible).

## Order information

| Nominal diameter<br>A | Clamping Length<br>L<br>+0,02<br>0 | B<br>$\pm 0,005$ | C<br>0<br>-0,04 | Dimensions |        |        |        |        | Location hole max. | Shearing resistance, double <sup>1)</sup> min. | min. | max. |     | Art. No. |
|-----------------------|------------------------------------|------------------|-----------------|------------|--------|--------|--------|--------|--------------------|------------------------------------------------|------|------|-----|----------|
| [inch]                | [inch]                             |                  |                 | D max.     | E max. | F max. | G max. | H min. | [inch]             | [lb]                                           | [°F] |      | [g] |          |
| 5/16                  | 1,9                                | 0,375            | 0,33            | 0,31       | 0,49   | 1,135  | 0,93   | 0,48   | 0,3165             | 14,400                                         | -22  | 302  | 33  | 4210.C19 |

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