

**Ball Lock Pins with Ring Handle** - single acting - according to NASM / MS 17987

4213.A10

**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**

- Stainless steel, passivated

**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**

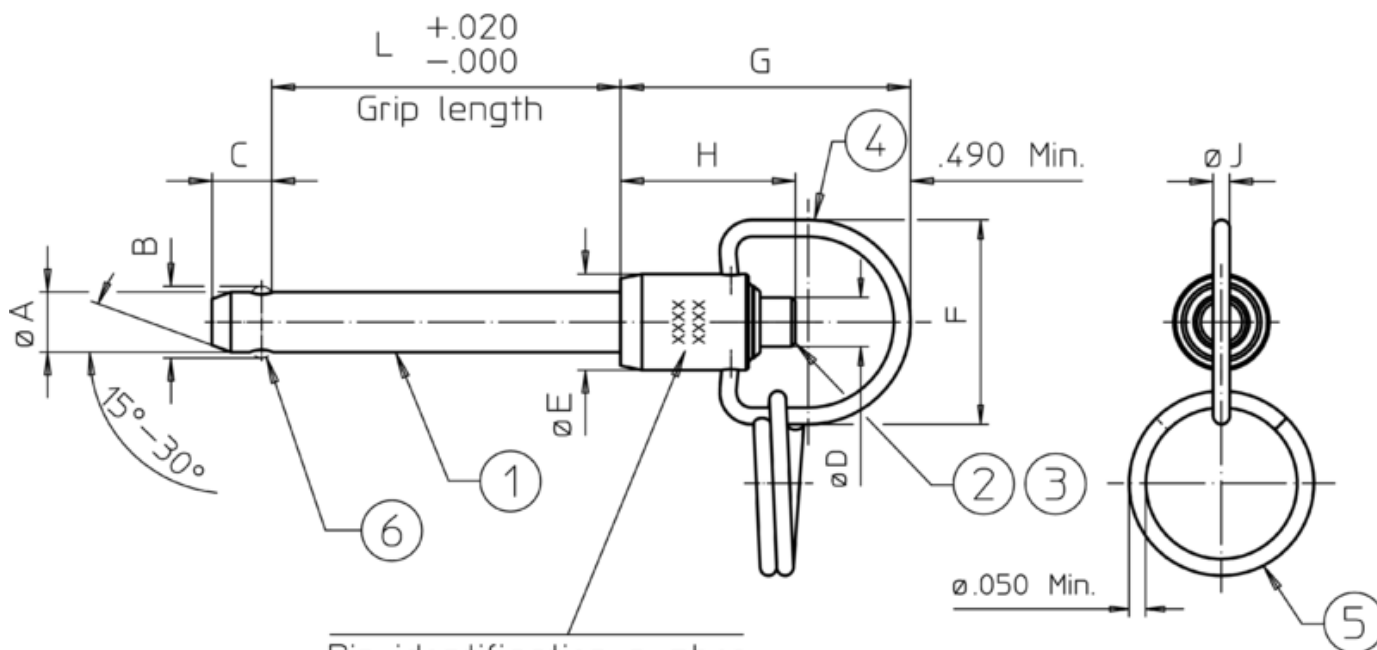
Special types on request.

All further dimensions are available on request.

**Further products**

- Warning Streamers, according to NAS1756

## Drawing



Pin identification number

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")  
MS17987C412  
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 | Dimensions  |                 |        |        |        |        |        | Location hole max. | Shearing resistance, double <sup>1)</sup> min. | Temperature |      | Weight [g] | Art. No. |
|-----------------------|------------------------------------|-------------|-----------------|--------|--------|--------|--------|--------|--------------------|------------------------------------------------|-------------|------|------------|----------|
|                       |                                    | B<br>±0,005 | C<br>0<br>-0,04 | D max. | E max. | G max. | H min. | J min. |                    |                                                | min.        | max. |            |          |
| [inch]                | [inch]                             |             |                 |        | [inch] |        |        |        | [inch]             | [lb]                                           | [°F]        |      |            |          |
| 3/16                  | 1                                  | 0,22        | 0,26            | 0,31   | 0,53   | 1,45   | 0,73   | 0,08   | 0,194              | 5,150                                          | -22         | 302  | 24         | 4213.A10 |

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