

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

4213.C16

**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**

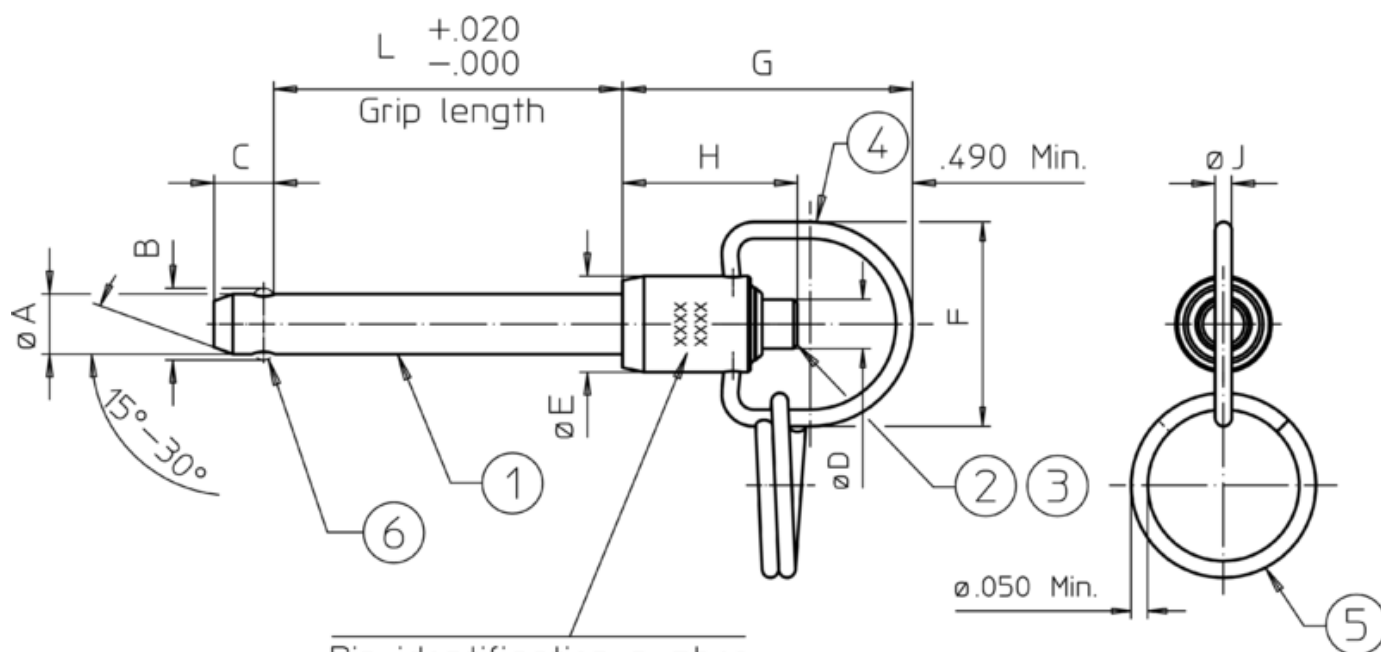
Special types on request.

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<br>diameter<br>A | Clamping<br>Length<br>L<br>+0,02<br>0 | Dimensions |            |        |      |      |      |      | Location<br>hole<br>max. | Shearing<br>resistance,<br>double <sup>1)</sup><br>min. |  |      |  | Art. No. |
|--------------------------|---------------------------------------|------------|------------|--------|------|------|------|------|--------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|----------|
|                          |                                       | B          | C          | D      | E    | G    | H    | J    |                          |                                                         | min.                                                                                  | max. |                                                                                       |          |
|                          |                                       | ±0,005     | 0<br>-0,04 | max.   | max. | max. | min. | min. |                          |                                                         |                                                                                       |      |                                                                                       |          |
| [inch]                   | [inch]                                |            |            | [inch] |      |      |      |      | [inch]                   | [lb]                                                    | [°F]                                                                                  |      | [g]                                                                                   |          |
| 5/16                     | 1,6                                   | 0,375      | 0,33       | 0,31   | 0,59 | 1,65 | 0,83 | 0,08 | 0,3165                   | 14,400                                                  | -22                                                                                   | 302  | 39                                                                                    | 4213.C16 |

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