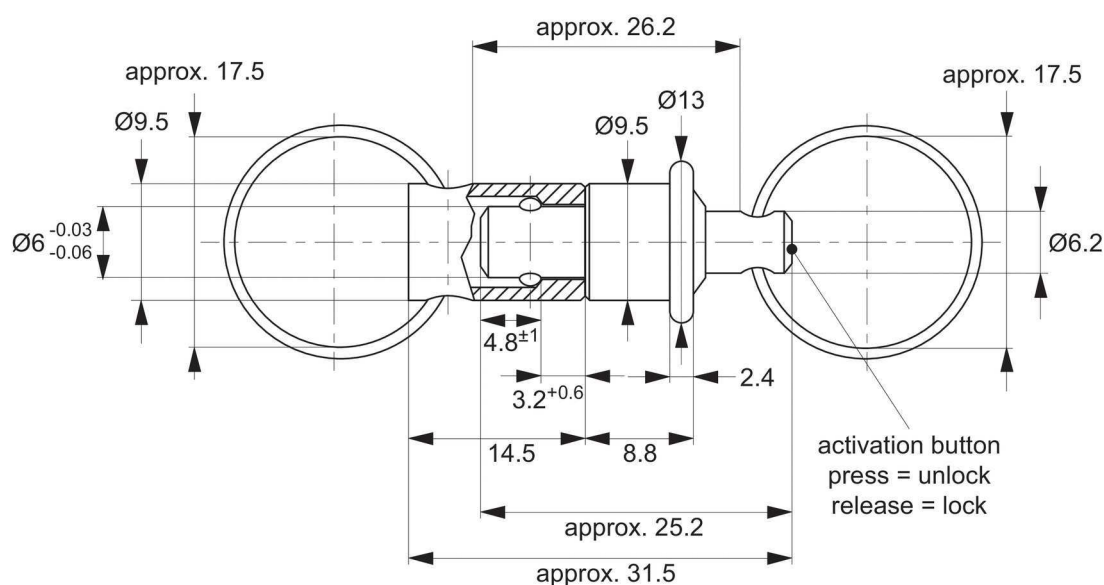


Ball Lock Pins - Single Acting - Key Ring

self-locking



33178



Order No.

Load capacity max.
N



g

33178.W0905

30

15

Material

Pin & Bush: stainless steel 1.4305 (AISI 303).

Ball: stainless steel 1.3541

Ring & Spring: stainless steel.

Technical Notes

Pressing = unlocking

Releasing = locking.

Temperature resistance up to max. 250 °C.

Tips

For lanyards & retaining cables see part no. 33250.

33060 -33250

Wixroyd Ball Lock Pins

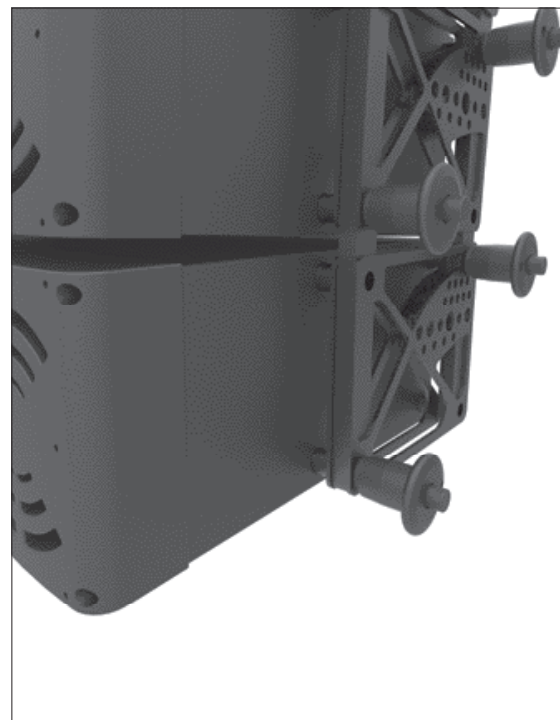
applications



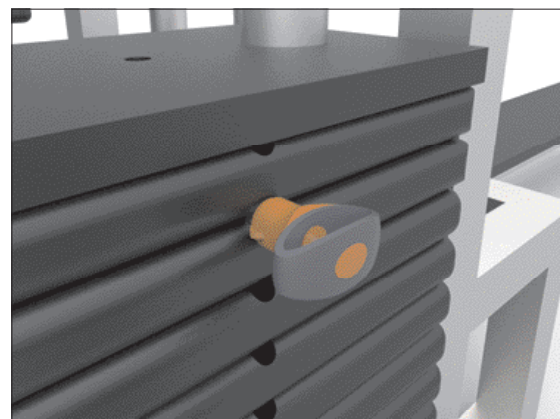
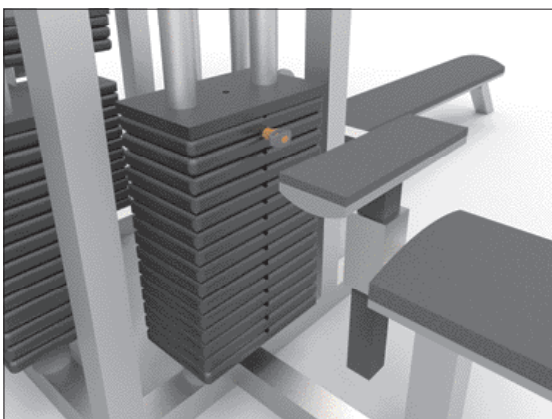
Sound rigging systems

Ball lock pins on a sound rigging system. Offering secure fixing with high shear forces and easy fitting for operators at heights.

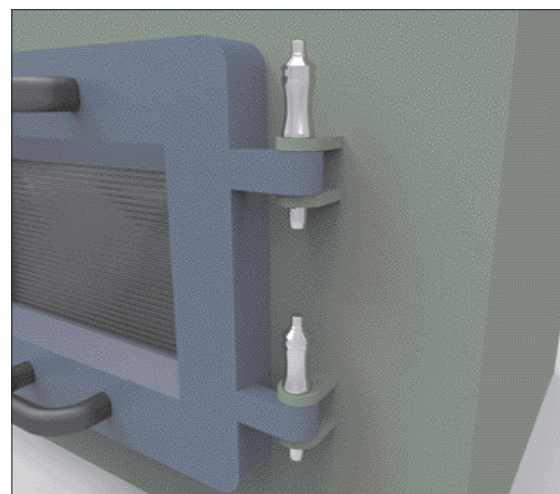
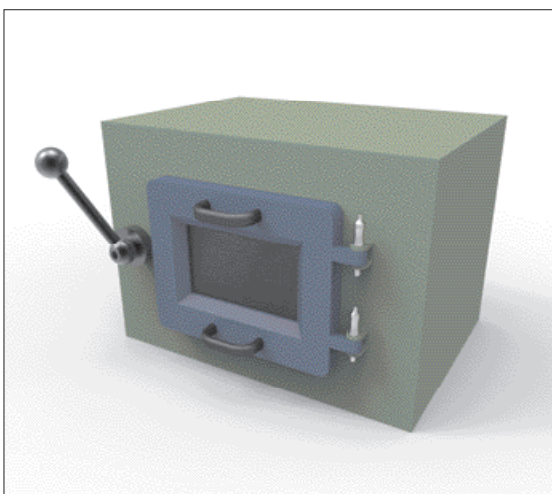
In addition full black powder coating of grip and actuation button eliminates glare from other stage lighting.



Gym equipment



Scientific and medical



Wixroyd Ball Lock Pins

features



- ① 1.4305 (AISI 303) - shear force approx. 60% of higher material version 1.4542
- ② 1.4542 (AISI 630) - identified by the ridge on the pin
- ③ CRES 17-4PH (AMS 5643) aviation standard



Pin material



Plastic tri-star



T-handled, metal



L-handled, metal

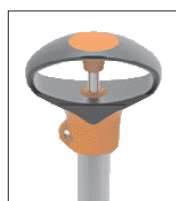


Mushroom, metal



Single piece metal, contoured

Handle style



Special plastic self-spring



Adjustable grip length, plastic



Key ring



Safety, metal



Mushroom Type B aviation



Type R aviation



Stainless wire - (coated) - 2 x key ring



Stainless wire - Key ring and fixing loop



Plastic - 2 x cable tie



Steel wire - (coated) - 2 x key ring



Stainless bead chain - 2 x key ring

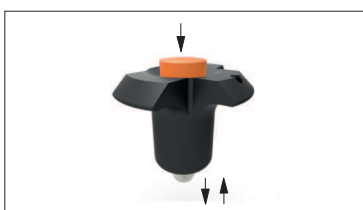


Locating bushes

Lanyards and locating bushes



Press = unlock
Release = lock (standard)



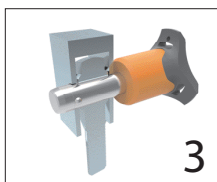
Press = unlock and position
Release = lock and simultaneous clamp



Simple spring loaded balls "pullout pin"

Actuation

Important Note: Ball lock pins are not suited to lifting applications!
For quick release lifting pins, see part 33400.



Shear force



Lifting force

Important note



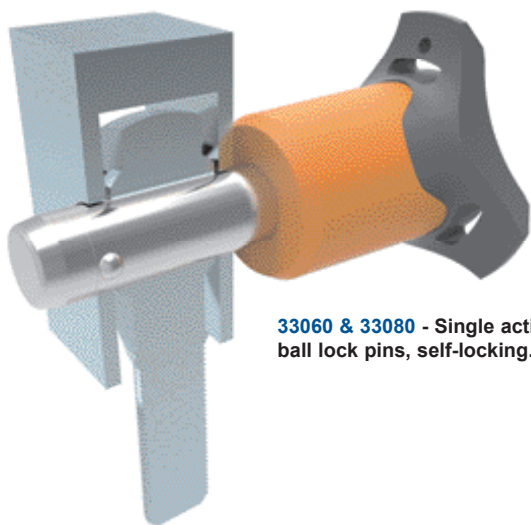
Variations on our standard designs are possible, please contact our sales team for technical assistance. Quick production on specials can be as little as 3 weeks.

Special variations

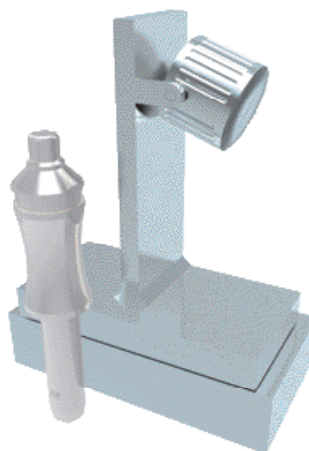


Applications

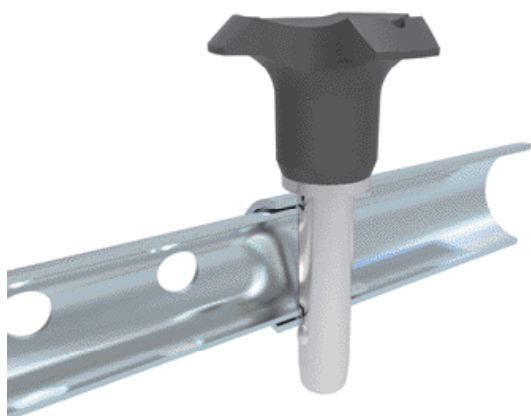
- Positioning.
- Lifting.
- Locking.
- Indexing.
- Joining.



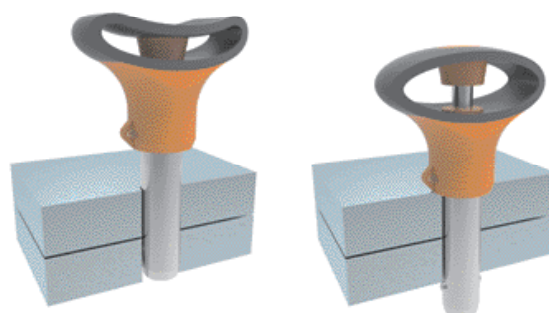
33060 & 33080 - Single acting ball lock pins, self-locking.



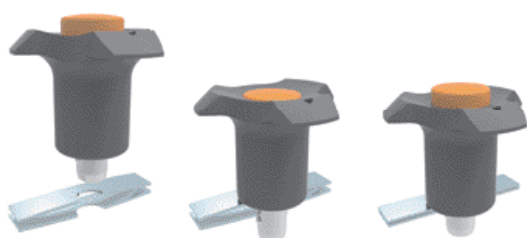
33194 - Single acting ball lock pins, self locking, simple finish.



33140 - Socket pins, non-locking, spring loaded balls.



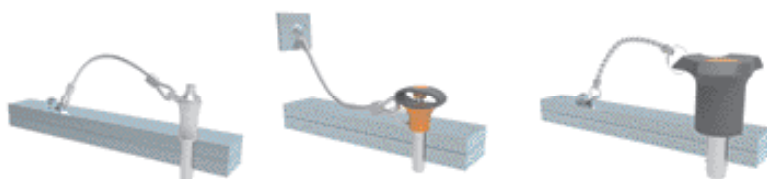
33100 - Single acting ball lock pin, self locking.



33180 - Clamping pins, with span compensation, self-locking.



33220 - Ball lock pins, single acting - L-handle



33250 & 33270 - Lanyards.