

33170

BALL LOCK PINS & QUICK RELEASE PINS

Material

Pin: Stainless Steel 1.4305 (AISI 303)

Spring: Stainless Steel

Finish: Black or Natural

Technical Notes

Temperature range -50°C to +150°C.

For quick fastening and locking of frequently repeated connections; gun slings, tool holders etc, used in combination with sling swivel receivers no.33172.

Pressing = Unlocking

Releasing = Locking

Order No.	Finish	Nom. pin dia	$d_1 \pm 0.05$	w_1	d_2	d_3	d_4	l_1	l_2	l_3	l_4	Load capacity kN max.	Weight g
33170.W0010	Black	9.5	9.5	23	11.1	3.5	14	31.3	16.5	12.5	9	1.2	20
33170.W0020	Black	9.5	9.5	40	11.1	4.5	14	36.6	23.0	12.5	9	2.0	29
33170.W0110	Natural	9.5	9.5	23	11.1	3.5	14	31.3	16.5	12.5	9	1.2	20
33170.W0120	Natural	9.5	9.5	40	11.1	4.5	14	36.6	23.0	12.5	9	2.0	29





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.

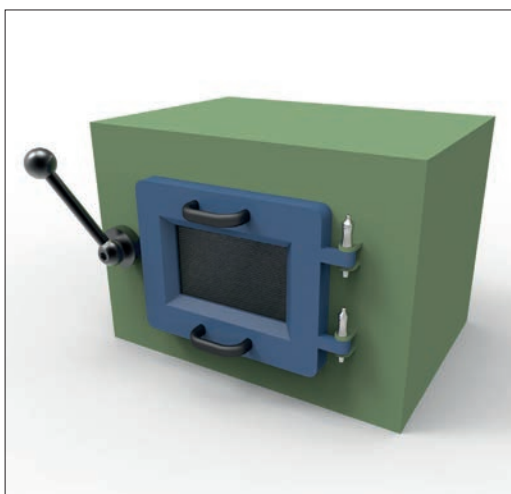
In addition full black powder coating of grip and actuation button eliminates glare from other stage lighting.



Gym Equipment



Scientific and Medical





Wixroyd Ball Lock Pins

features

33060 - 33250

Positioning Elements

1.4305 (AISI 303) - shear force approx.
60% of higher material version 1.4542

1.4542 (AISI 630) - identified by the ridge
on the pin

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

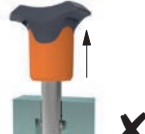
**Important Note: Ball lock pins are
not suited to lifting applications!**
**For quick release lifting pins,
see part 33400.**



Shear force



Lifting force

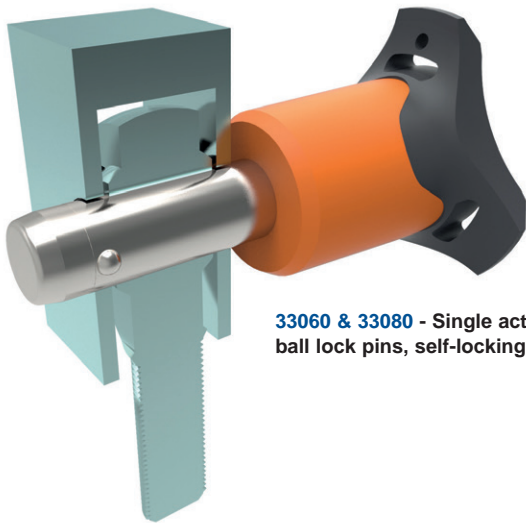


Important Note



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



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



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



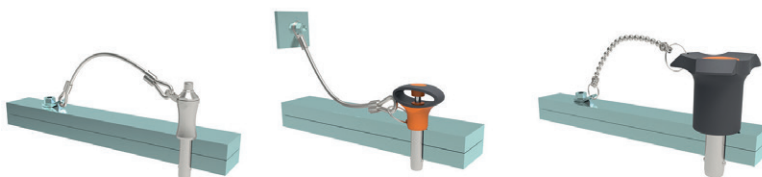
33140 - Socket pins, non-locking, spring loaded balls.



33100 - Single acting ball lock pin, self locking.



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



33250 & 33270 - Lanyards.



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

Applications

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