

33172

Material

Pin: stainless steel 1.4305.

Spring: stainless steel.

Finish: Black or natural.

Technical Notes

Temperature range -50°C to +150°C.

Receivers for sling swivel pins part no. 33170.

To achieve quick fastening and locking frequently repeated connections.

Type one and two: indexing at 90°.

Type three: non-indexing, 360° rotation.

Order No.	Dia. Ø nom.	Finish	For mounting in	Type	d ₁ tol. h9	d ₂ ±0.1	d ₃	d ₄	d ₅	l ₁	l ₂	l ₃	A/F	Weight g
33172.W0205	9.5	Black	Wood	One	9.6	12.65	-	4.9	-	12.65	9.65	-	-	5.6
33172.W0210	9.5	Black	Plastic	Two	9.6	12.65	-	-	10.7	12.10	9.20	11	5	3.0
33172.W0215	9.5	Black	Wood 360°	Three	9.6	13.50	11.3	4.9	-	12.65	9.65	-	-	6.5
33172.W0305	9.5	Natural	Wood	One	9.6	12.65	-	4.9	-	12.65	9.65	-	-	5.6
33172.W0310	9.5	Natural	Plastic	Two	9.6	12.65	-	-	10.7	12.10	9.20	11	5	3.0
33172.W0315	9.5	Natural	Wood 360°	Three	9.6	13.50	11.3	4.9	-	12.65	9.65	-	-	6.5



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.

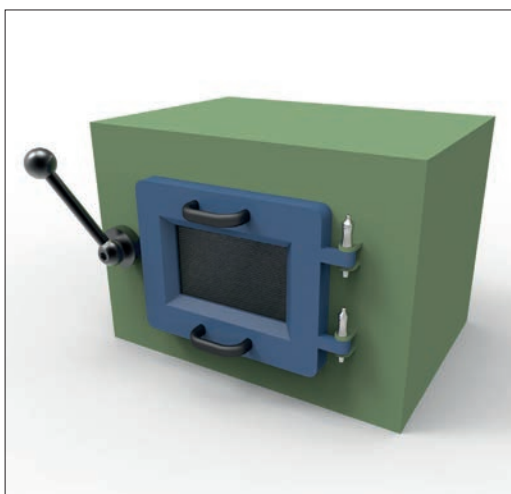
In addition full black powder coating of grip and actuation button eliminates glare from other stage lighting.



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

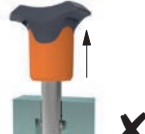
**Important Note: Ball lock pins are
not suited to lifting applications!**
**For quick release lifting pins,
see part 33400.**



Shear force



Lifting force

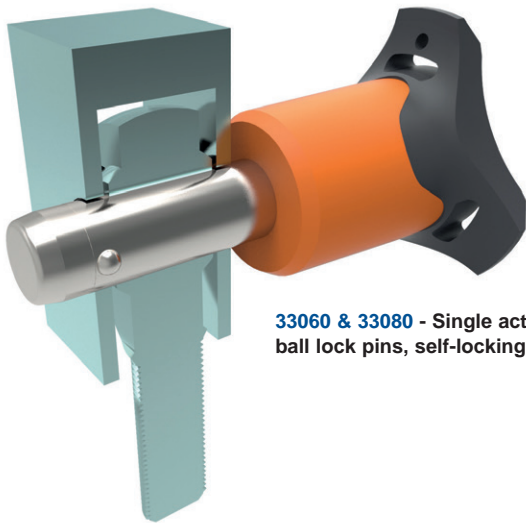


Important Note



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.



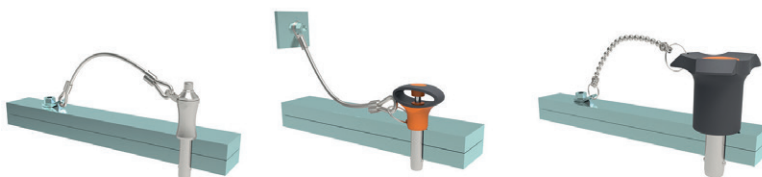
33140 - Socket pins, non-locking, spring loaded balls.



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.