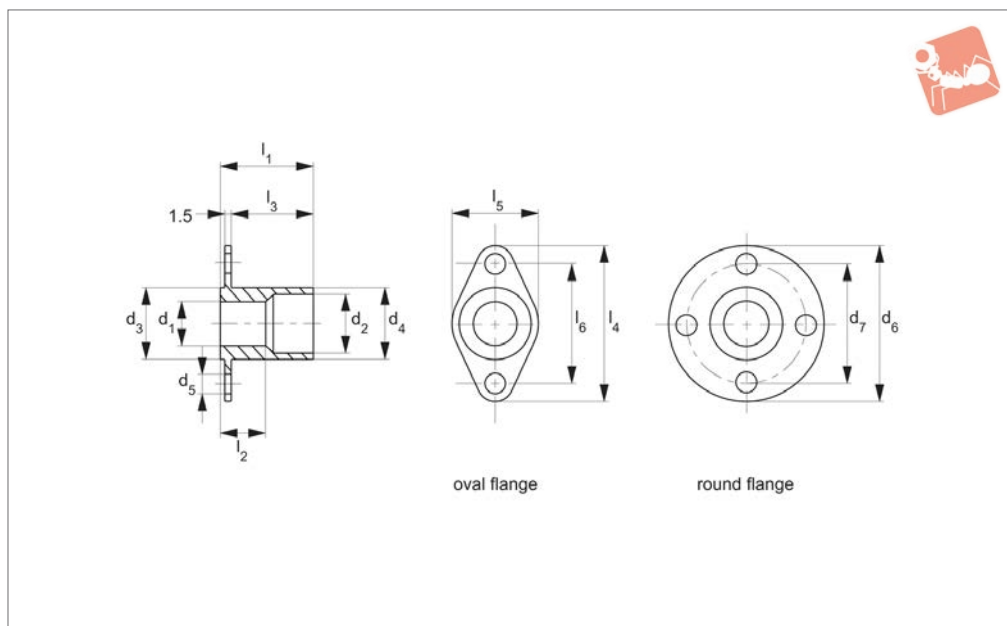




Flange Bushings for Ball Lock pins

stainless steel

Ball Lock Pins & Quick Release



33246

BALL LOCK PINS & QUICK RELEASE PINS

Material

Body: stainless steel 1.4305. (AISI 303).

Technical Notes

For quick and safe location of single acting ball lock pins - especially in soft materials

such as aluminium, or in thin walled components.

Can be used from both sides. Optimised centering due to precision collar on bush.

Tips

For use with our wide range of metric ball lock pins, see part no.'s 33060 through to 33226.

Order No.	Type	For pin dia. nom.	d ₁ tol. H11	d ₂	d ₃ -0.05	d ₄ -0.1	d ₅	d ₆	d ₇	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆	Weight g
33246.W0305	Oval flange	5	5	8	10	9.9	3.4	-	-	12	5.4	9.5	25	15	19	6
33246.W0306	Oval flange	6	6	8	10	9.9	3.4	-	-	13	5.3	10.5	25	15	19	6
33246.W0308	Oval flange	8	8	10	12	11.9	4.5	-	-	19	10.3	16.5	30	18	22	10
33246.W0310	Oval flange	10	10	13	16	15.9	4.5	-	-	21	10.2	18.5	35	20	27	19
33246.W0312	Oval flange	12	12	15	19	18.9	4.5	-	-	27	15.2	24.5	40	24	30	34
33246.W0316	Oval flange	16	16	20	24	23.9	5.5	-	-	30	15.3	27.5	50	30	40	52
33246.W0405	Round flange	5	5	8	10	9.9	3.4	25	19	12	5.4	9.5	-	-	-	9
33246.W0406	Round flange	6	6	8	10	9.9	3.4	25	19	13	5.3	10.5	-	-	-	9
33246.W0408	Round flange	8	8	10	12	11.9	4.5	30	22	19	10.3	16.5	-	-	-	14
33246.W0410	Round flange	10	10	13	16	15.9	4.5	35	27	21	10.2	18.5	-	-	-	24
33246.W0412	Round flange	12	12	15	19	18.9	4.5	40	30	27	15.2	24.5	-	-	-	41
33246.W0416	Round flange	16	16	20	24	23.9	5.5	50	40	30	15.3	27.5	-	-	-	63



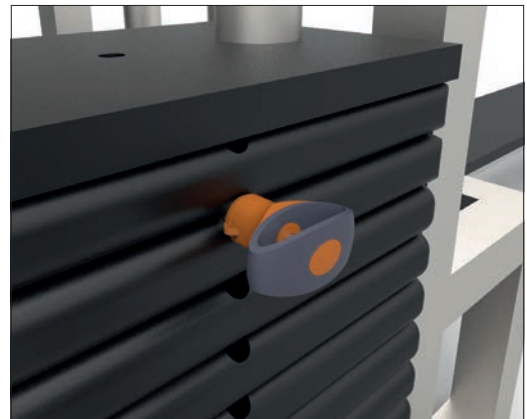
Sound Rigging Systems

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

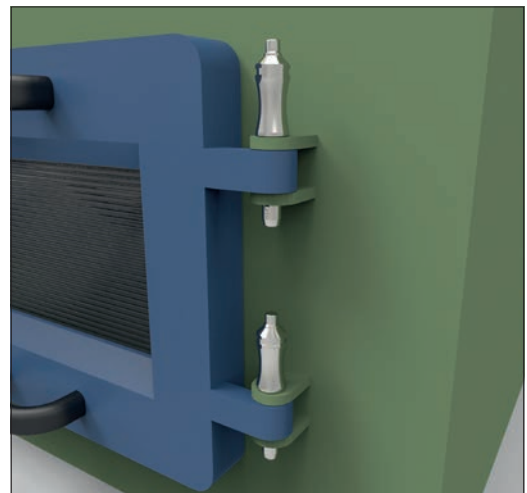
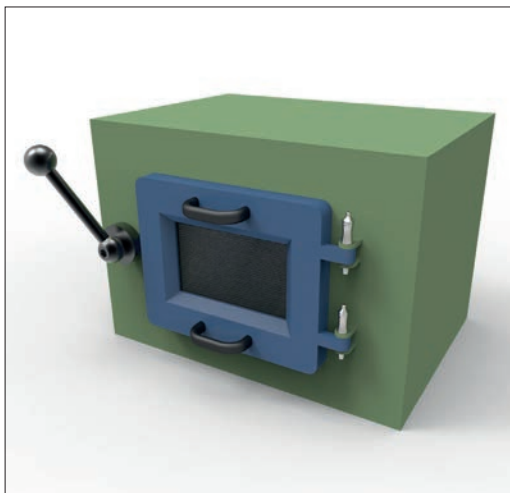
In addition full black powder coating of grip and actuation button eliminates glare from other stage lighting.



Gym Equipment



Scientific and Medical





Wixroyd Ball Lock Pins

features

33060 - 33250

Positioning Elements

Pin Material

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



Handle Style



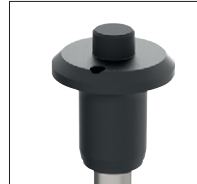
Plastic tri-star



T-handled, metal



L-handled, metal



Mushroom, metal



Single piece metal,
contoured



Special plastic
self-spring



Adjustable grip
length, plastic



Key ring



Safety, metal



Mushroom Type
B aviation



Type R aviation

Lanyards and Locating Bushes



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

Actuation



Press = unlock
Release = lock
(standard)



Press = unlock and position
Release = lock and
simultaneous clamp



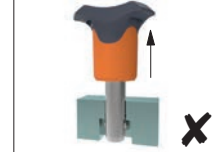
Simple spring loaded balls
"pullout pin"

Important Note

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



Shear force

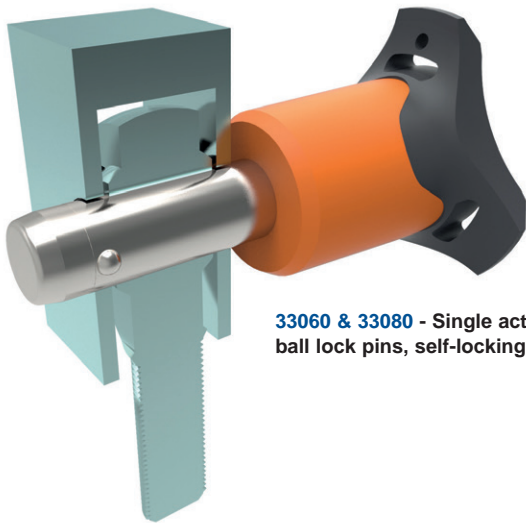


Lifting force

Special Variations



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.



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



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



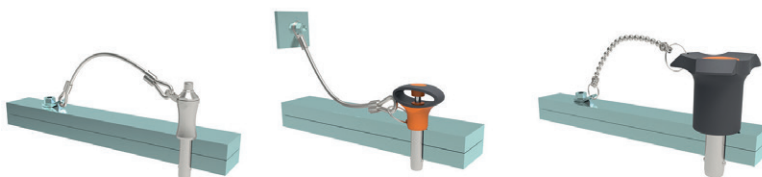
33140 - Socket pins, non-locking, spring loaded balls.



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.