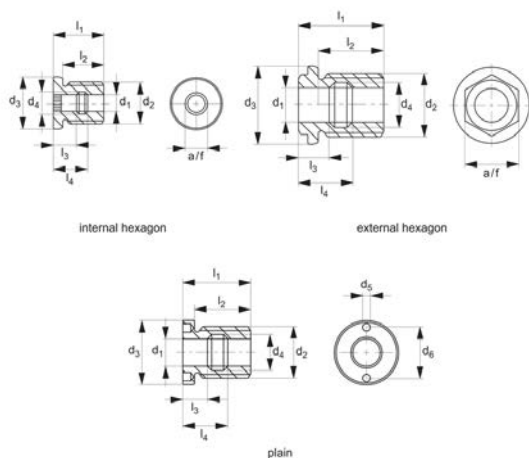




Locating Bushes for ball lock pins

Lanyards



LA1310

LANYARDS

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.

Important Notes

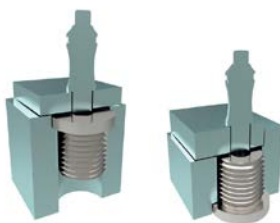
l_5 and l_6 refer to depths of ball locating recess when bush is installed flange collar

up, or flange collar inverted (see diagram below).

Use pin face spanner with 5mm pin to install pin mount bushings.

Order No.	Type	d_1 tol. H11	d_2	d_3 tol. h9	d_4	d_5	d_6	Weight g
LA1310.M05-12-S	Int Hex	5	M12	18	6.0	-	-	15
LA1310.M06-12-S	Int Hex	6	M12	18	7.5	-	-	13
LA1310.M08-16-S	Int Hex	8	M16	22	10.0	-	-	29
LA1310.M10-24-S	Int Hex	10	M24	30	12.5	-	-	75
LA1310.M12-24-S	Int Hex	12	M24	30	15.0	-	-	66
LA1310.M16-30-S	Ext Hex	16	M30	36	19.5	-	-	124
LA1310.M20-36-S	Ext Hex	20	M36	45	25.5	-	-	208
LA1310.M25-42-S	Ext Hex	25	M42	50	32.0	-	-	415
LA1310.M16-31-S	Plain	16	M30	39	19.5	5.1	30	160
LA1310.M20-37-S	Plain	20	M36	43	25.5	5.1	30	257
LA1310.M25-43-S	Plain	25	M42	50	32.0	5.1	36	434

Order No.	l_1	l_2	l_3	l_4	l_5	l_6	A/F
LA1310.M05-12-S	19	15	9.0	13.0	5.1	9.0	5
LA1310.M06-12-S	19	15	9.4	13.0	5.6	8.8	6
LA1310.M08-16-S	25	20	12.0	17.0	7.3	11.7	8
LA1310.M10-24-S	29	24	13.5	19.5	8.9	14.1	10
LA1310.M12-24-S	29	24	14	20	9.6	14.4	12
LA1310.M16-30-S	39	29	15.5	23.5	6.1	12.8	24
LA1310.M20-36-S	49	38	17.5	31.5	7.7	19.3	30
LA1310.M25-42-S	65	50	26.5	38.5	13.3	21.8	36
LA1310.M16-31-S	39	33	15.5	23.5	10.4	16.6	-
LA1310.M20-37-S	49	42	17.5	31.5	11.9	23.1	-
LA1310.M25-43-S	65	57	26.5	38.5	13.3	21.8	-





Wixroyd Ball Lock Pins

applications

33060 - 33250
Positioning Elements

LANYARDS



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

ov-W33060.BK-A-TOR1706-W33250-A-TLA1066-a-mh - Updated - 27-10-2022



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)



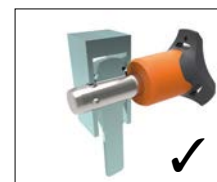
Press = unlock and position
Release = lock and
simultaneous clamp



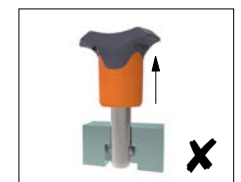
Simple spring loaded balls
"pullout pin"

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

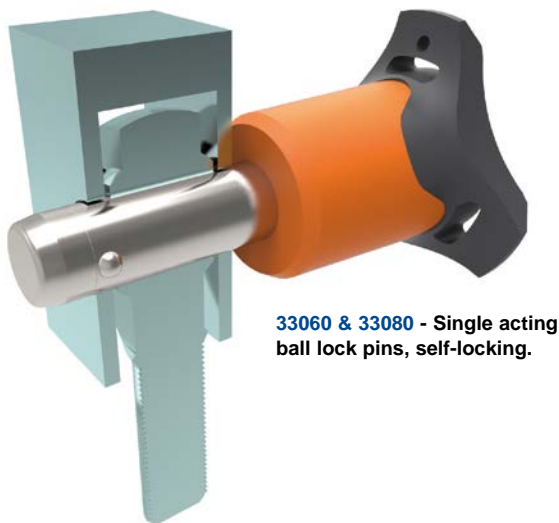


Variations on our standard designs
are possible, please contact our
sales team for technical assistance.
Quick production on specials can
be as little as 3 weeks.



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.



33250 & 33270 - Lanyards.



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

