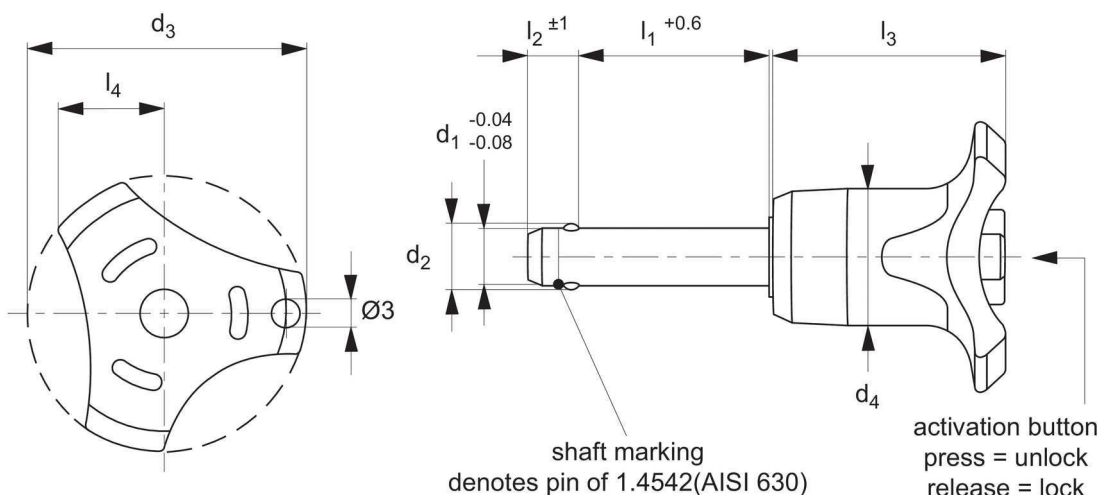


Handle

self-locking - stainless steel 1.4542 (AISI 630)



33060



Order No.	d ₁	l ₁	d ₂	d ₃	d ₄	l ₂	l ₃	l ₄	Loc'n hole H11
33060.W0152	5	10	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0153	5	15	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0154	5	20	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0155	5	25	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0156	5	30	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0145	5	35	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0146	5	40	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0147	5	45	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0148	5	50	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0149	5	60	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0150	5	70	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0151	5	80	5,5	33,2	14,5	6,0	26,7	10,8	5
33060.W0162	6	10	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0163	6	15	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0164	6	20	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0165	6	25	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0166	6	30	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0167	6	35	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0168	6	40	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0169	6	45	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0170	6	50	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0157	6	60	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0158	6	70	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0159	6	80	7,0	33,2	14,5	7,0	26,7	10,8	6
33060.W0172	8	10	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0173	8	15	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0174	8	20	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0175	8	25	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0176	8	30	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0177	8	35	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0178	8	40	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0179	8	45	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0180	8	50	9,6	39,2	19,3	8,2	33,3	13,4	8
33060.W0181	8	60	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0182	8	70	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0183	8	80	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0171	8	90	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0161	8	100	9,6	39,2	18,4	8,2	33,3	13,4	8
33060.W0191	10	15	12,0	39,2	18,4	9,6	33,3	13,4	10
33060.W0184	10	20	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0185	10	25	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0186	10	30	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0187	10	35	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0188	10	40	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0189	10	45	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0190	10	50	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0192	10	60	12,0	39,2	19,3	9,6	33,3	13,4	10
33060.W0193	10	70	12,0	39,2	18,4	9,6	33,3	13,4	10
33060.W0194	10	80	12,0	39,2	18,4	9,6	33,3	13,4	10
33060.W0195	10	90	12,0	39,2	18,4	9,6	33,3	13,4	10

Material

Pin: stainless steel 1,4542 (AISI 630), precipitation hardened, blast finish. (marked at end of shaft to denote 1.4542 material).
Ball: stainless steel 1.3541
Spring: stainless steel.
Handle: thermoplastic PA 6.
Available colours: grey/orange, grey/blue, grey/grey, black/black.

Technical Notes

Pressing = unlocking.
Releasing = locking.
Temperature resistance -30°C to +80°C.
For quick fastening and locking of frequently repeated connections.

Tips

For lanyards & retaining cables see part no.33250. Easy install locating bushes available see part no.33248.

Important Notes

Extreme load capacity due to high material grade.

*Shearing resistance similar to DIN 50141.

Also available in stainless grade 1.4305 (AISI 303), see part no.33080.



Handle

self-locking - stainless steel 1.4542 (AISI 630)



33060

Order No.	d ₁	l ₁	d ₂	d ₃	d ₄	l ₂	l ₃	l ₄	Loc'n
									hole
33060.W0196	10	100	12,0	39,2	18,4	9,6	33,3	13,4	H11
33060.W0197	10	110	12,0	39,2	18,4	9,6	33,3	13,4	10
33060.W0198	10	120	12,0	39,2	18,4	9,6	33,3	13,4	10
33060.W0204	12	20	14,5	47,6	25,2	10,6	39,7	16,7	12
33060.W0205	12	25	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0206	12	30	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0207	12	35	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0208	12	40	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0209	12	45	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0210	12	50	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0212	12	60	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0214	12	70	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0216	12	80	14,5	47,6	26,3	10,6	39,7	16,7	12
33060.W0217	12	90	14,5	47,6	25,2	10,6	39,7	16,7	12
33060.W0218	12	100	14,5	47,6	25,2	10,6	39,7	16,7	12
33060.W0219	12	110	14,5	47,6	25,2	10,6	39,7	16,7	12
33060.W0220	12	120	14,5	47,6	25,2	10,6	39,7	16,7	12
33060.W0226	16	30	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0227	16	35	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0228	16	40	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0229	16	45	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0230	16	50	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0232	16	60	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0234	16	70	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0236	16	80	19,0	47,6	26,3	14,0	39,7	16,7	16
33060.W0237	16	90	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0238	16	100	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0239	16	110	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0240	16	120	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0241	16	130	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0242	16	140	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0243	16	150	19,0	47,6	25,2	14,0	39,7	16,7	16
33060.W0251	20	50	25,0	57,1	33,8	20,5	50,7	21,5	20
33060.W0252	20	60	25,0	57,1	35,4	20,5	50,7	21,5	20
33060.W0253	20	70	25,0	57,1	33,8	20,5	50,7	21,5	20
33060.W0256	20	80	25,0	57,1	35,4	20,5	50,7	21,5	20
33060.W0257	20	90	25,0	57,1	33,8	20,5	50,7	21,5	20
33060.W0260	20	100	25,0	57,1	35,4	20,5	50,7	21,5	20
33060.W0261	20	110	25,0	57,1	33,5	20,5	50,7	21,5	20
33060.W0264	20	120	25,0	57,1	35,4	20,5	50,7	21,5	20
33060.W0265	20	130	25,0	57,1	33,8	20,5	50,7	21,5	20
33060.W0266	20	140	25,0	57,1	33,8	20,5	50,7	21,5	20
33060.W0267	20	150	25,0	57,1	33,8	20,5	50,7	21,5	20
33060.W0269	25	50	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0270	25	60	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0271	25	70	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0272	25	80	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0273	25	90	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0274	25	100	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0275	25	110	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0276	25	120	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0277	25	130	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0278	25	140	30,8	57,1	33,8	22,0	50,7	21,5	25
33060.W0279	25	150	30,8	57,1	33,8	22,0	50,7	21,5	25



Material

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Ball: stainless steel 1.3541
Spring: stainless steel.
Handle: thermoplastic PA 6.
Available colours: grey/orange, grey/blue, grey/grey, black/black.

Technical Notes

Pressing = unlocking.
Releasing = locking.
Temperature resistance -30°C to +80°C.
For quick fastening and locking of frequently repeated connections.

Tips

For lanyards & retaining cables see part no.33250. Easy install locating bushes available see part no.33248.

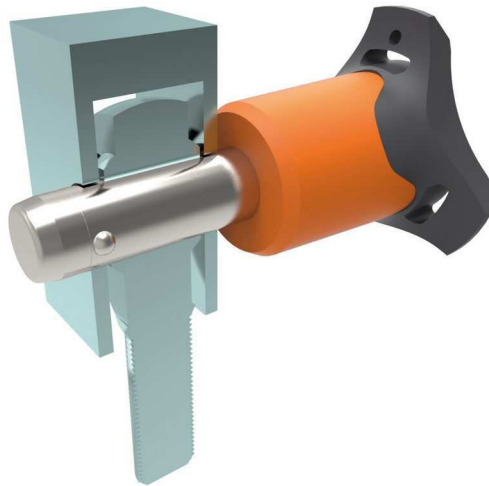
Important Notes

Extreme load capacity due to high material grade.

*Shearing resistance similar to DIN 50141.

Also available in stainless grade 1.4305 (AISI 303), see part no.33080.





Material

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**33060
-33250**

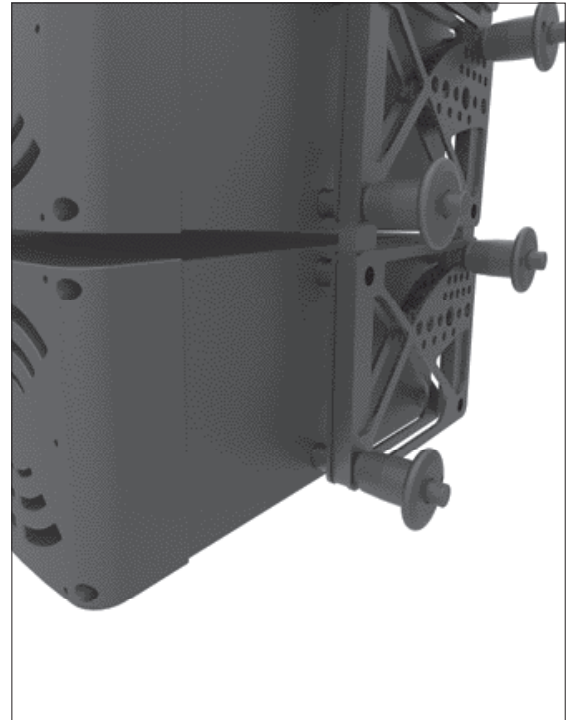
Wixroyd Ball Lock Pins
applications



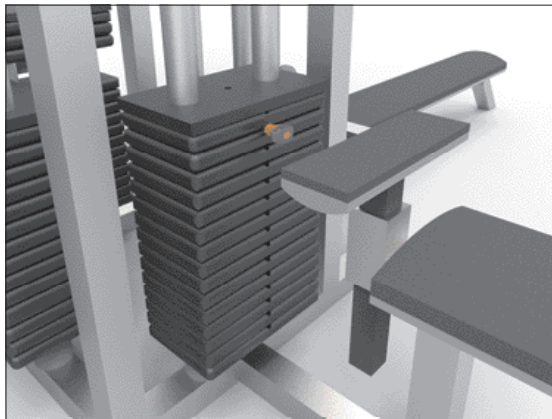
Sound rigging systems

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

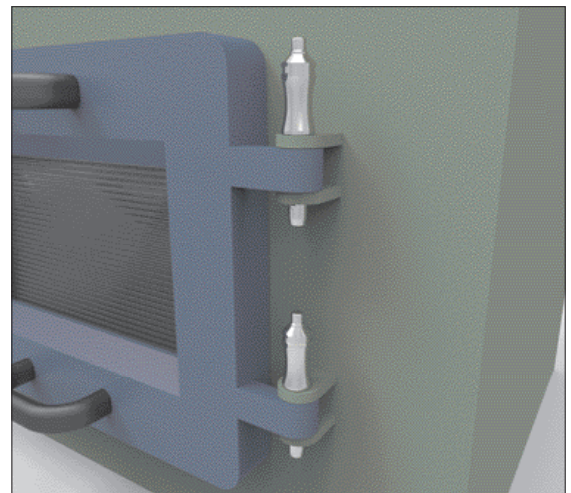
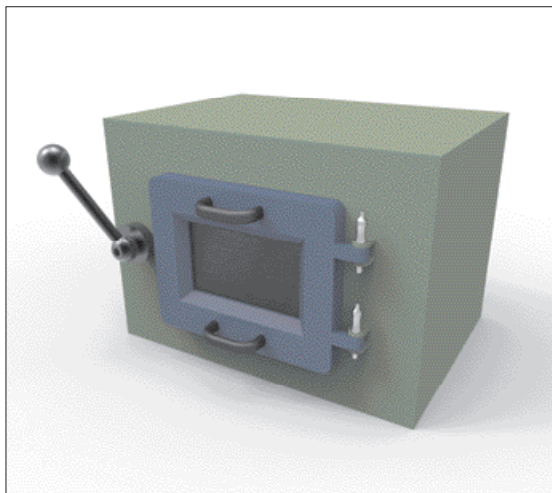
In addition full black powder coating of grip and actuation button eliminates glare from other stage lighting.



Gym equipment



Scientific and medical

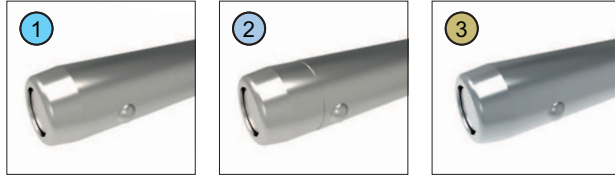


Wixroyd Ball Lock Pins

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

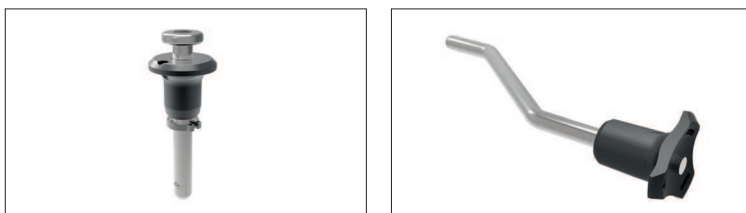
Important Note: Ball lock pins are not suited to lifting applications!
For quick release lifting pins, see part 33400.



Shear force

Lifting force

Important note



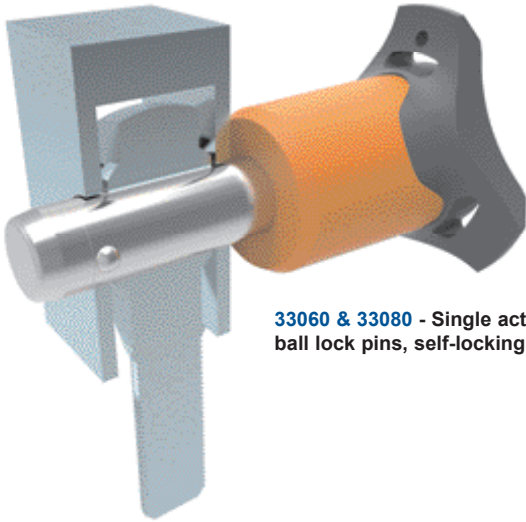
Variations on our standard designs are possible, please contact our sales team for technical assistance. Quick production on specials can be as little as 3 weeks.

Special variations



Applications

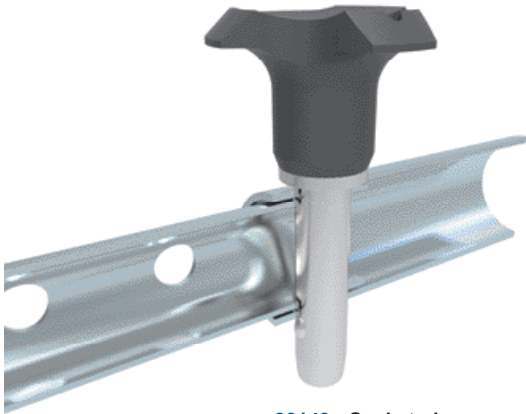
- Positioning.
- Lifting.
- Locking.
- Indexing.
- Joining.



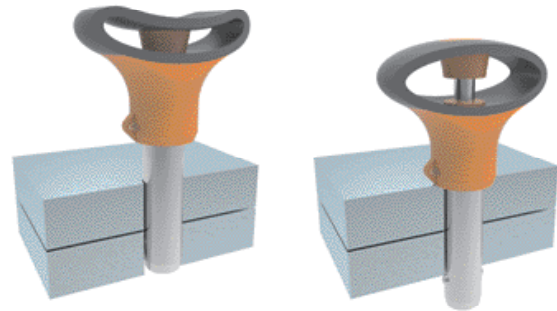
33060 & 33080 - Single acting ball lock pins, self-locking.



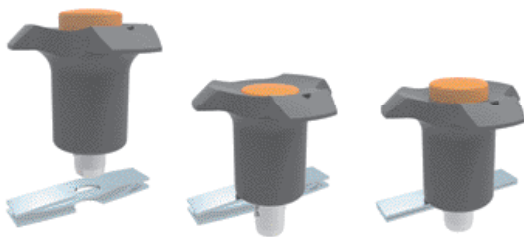
33194 - Single acting ball lock pins, self locking, simple finish.



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



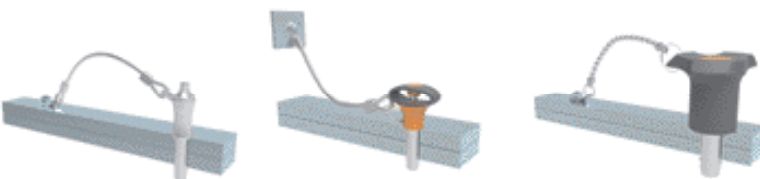
33100 - Single acting ball lock pin, self locking.



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



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



33250 & 33270 - Lanyards.