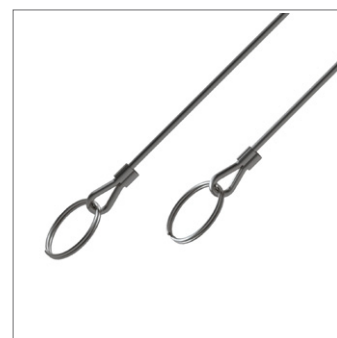
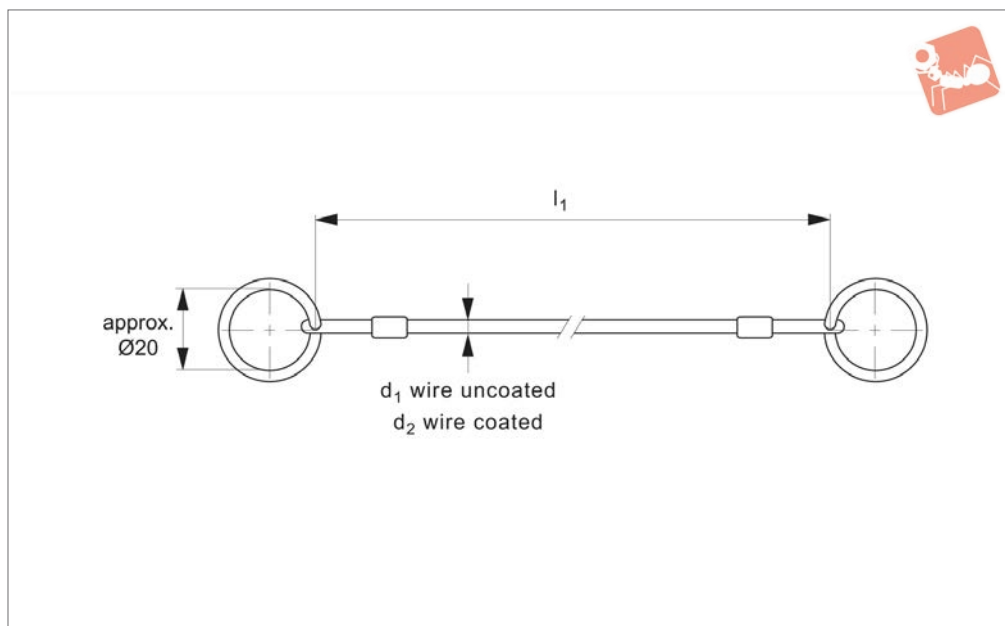


Lanyard - Loop to Loop with split rings - crimps stainless

Ball Lock Pins & Quick Release



33250

BALL LOCK PINS & QUICK RELEASE PINS

Material

Wire rope: stainless steel
Coating (if present): PA6 see table.
Crimps /sleeves: stainless steel
Split rings: stainless steel

temperature range: up to 250°C (uncoated)

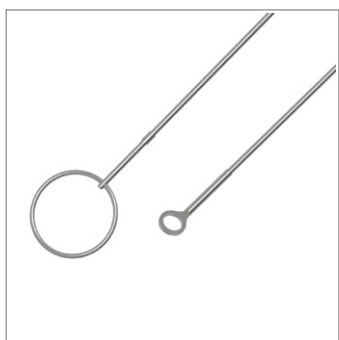
Tips

For use in securing components to assemblies, or to avoid items being misplaced. For our wide range of quick release pins nos. 33060 through 33226.

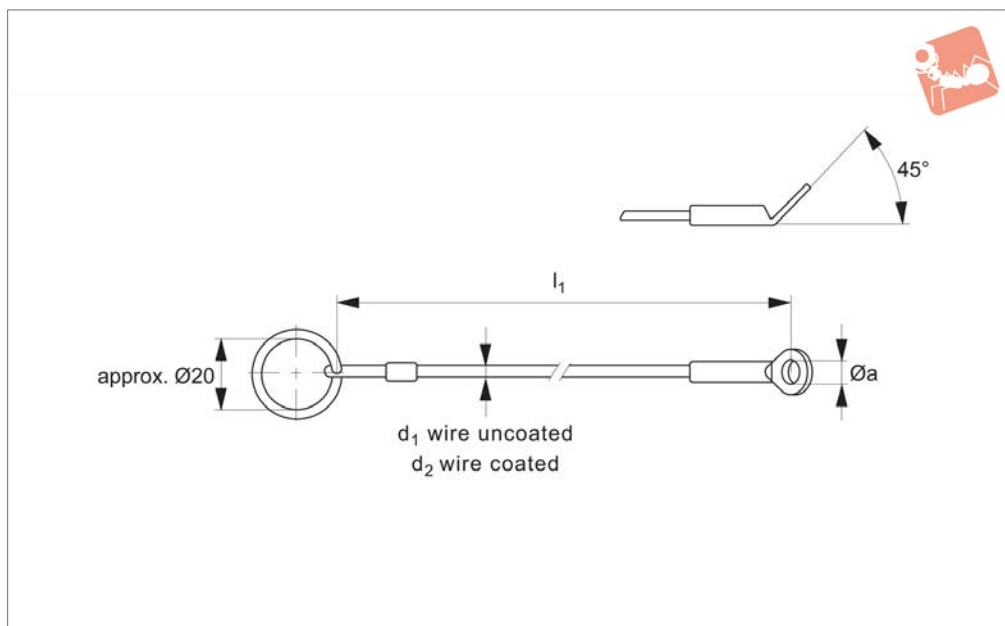
Technical Notes

Crimps tested to failure at 28 Kgf. Temperature range: up to 250°C (uncoated)

Order No.	Coating	d ₁ wire uncoated	l ₁	d ₂ wire coated	Weight g
33250.W0940	Black	1.5	150	2.2	6.5
33250.W0941	Black	1.5	200	2.2	6.4
33250.W0943	Black	1.5	300	2.2	7.5
33250.W0950	Clear	1.5	150	2.2	6.5
33250.W0952	Clear	1.5	200	2.2	6.4
33250.W0956	Clear	1.5	300	2.2	7.5
33250.W0930	Uncoated	1.5	150	-	6.5
33250.W0931	Uncoated	1.5	200	-	6.4
33250.W0933	Uncoated	1.5	300	-	7.5



33251



Material

Wire rope: stainless steel.
Coating (if present): PA6, see table.
Crimps/sleeves: stainless steel.
Eyelet and split ring: stainless steel.

temperature range: up to 250°C (uncoated).

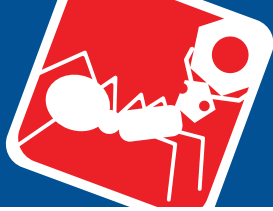
Tips

For use in securing components to assemblies, or to avoid items being misplaced. For our wide range of quick release pins nos. 33060 through 33226.

Technical Notes

Crimps tested for failure at 28 Kgf. Temperature range: up to 250°C (uncoated).

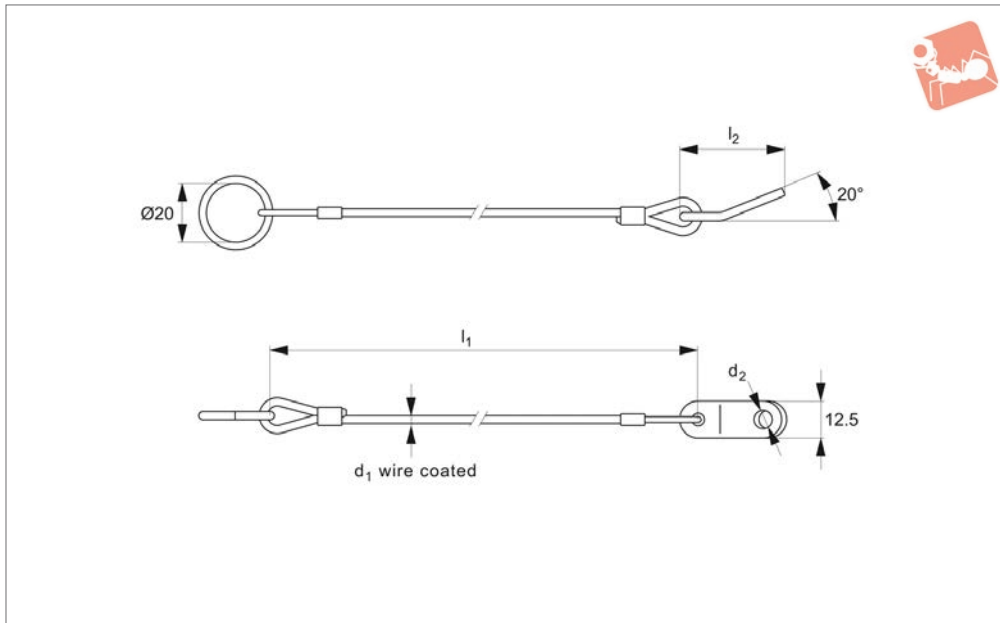
Order No.	Coating	d ₁ wire uncoated	l ₁	Ø a	d ₂ wire uncoated	Weight g
33251.W0945	Black	1.5	150	4.8	2.0	6.9
33251.W0946	Black	1.5	200	4.8	2.0	7.6
33251.W0948	Black	1.5	300	4.8	2.0	8.6
33251.W0960	Clear	1.5	150	4.8	2.0	6.9
33251.W0962	Clear	1.5	200	4.8	2.0	7.6
33251.W0966	Clear	1.5	300	4.8	2.0	8.6
33251.W0935	Uncoated	1.5	150	4.8	2.0	6.9
33251.W0936	Uncoated	1.5	200	4.8	2.0	7.6
33251.W0938	Uncoated	1.5	300	4.8	2.0	8.6



Lanyard - Split Ring to Rectangle Tab

crimps brass, tab stainless steel

Ball Lock Pins & Quick Release



33252

BALL LOCK PINS & QUICK RELEASE PINS

Material

Wire rope: stainless steel.
Coating: thermoplastic, PVC, green transparent
Crimps: brass, zinc plated.
Tabs: stainless steel
Split ring: stainless steel.

Technical Notes

Temperature range up to 80°C.

Tips

For use in securing components to assemblies, or to avoid items being misplaced. For our wide range of quick release pins

nos.33060 through 33226.

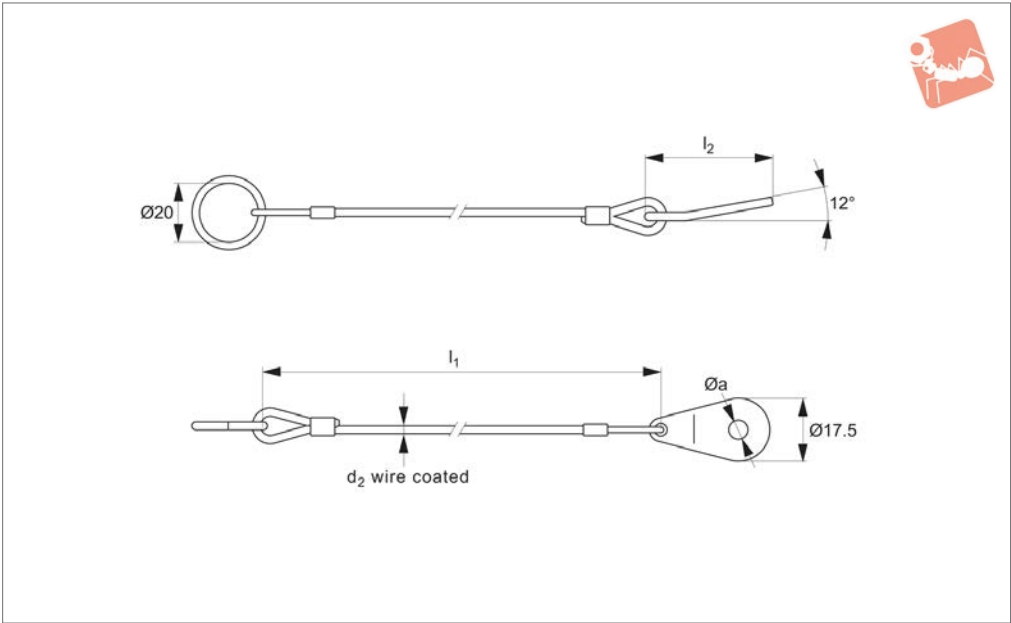
Important Notes

Conform to military spec MIL-DTL-83420 specification

Order No.	Coating	d ₁ wire coated	l ₁	d ₂	l ₂	Weight g
33252.W1301	Green	2.4	150	294.9	29	13
33252.W1302	Green	2.4	200	4.9	29	14
33252.W1303	Green	2.4	300	4.9	29	16



33253



Material

Wire rope: stainless steel.
Coating: thermoplastic, PVC, green trans-
parent
Crimps: brass, zinc plated.
Tabs: stainless steel
Split ring: stainless steel.

Technical Notes

Temperature range up to 80°C.

Tips

For use in securing components to assem-
blies, or to avoid items being misplaced. For
our wide range of quick release pins

nos.33060 through 33226.

Important Notes

Conform to military spec MIL-DTL-83420
specification

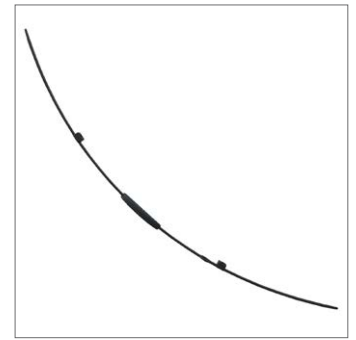
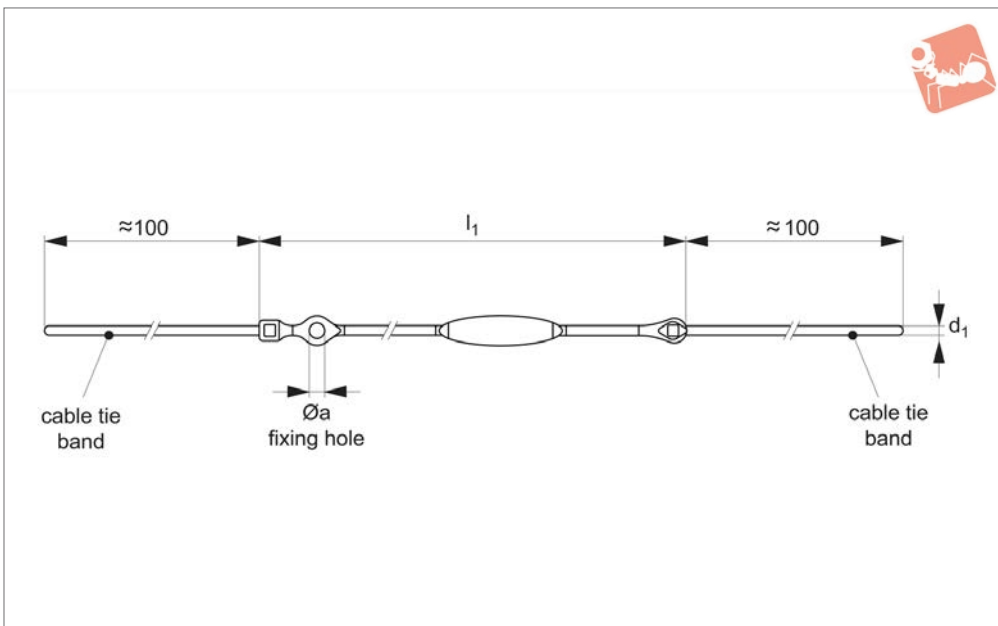
Order No.	Coating	l_1	$\varnothing a$	d_2 wire coated	l_2	Weight g
33253.W1311	Green	150	4.9	2.4	33	13.0
33253.W1312	Green	200	4.9	2.4	33	14.0
33253.W1313	Green	300	4.9	2.4	33	16.0



Lanyard - Cable Tie Loop

thermoplastic

Ball Lock Pins & Quick Release



33260

BALL LOCK PINS & QUICK RELEASE PINS

Material

Thermoplastic PA6, grey.

Technical Notes

Temperature range up to 80°C offers two

fixing alternatives:

- Cable tie at both ends
- Cable tie one end and fixing hole at other to secure with M4 screw.

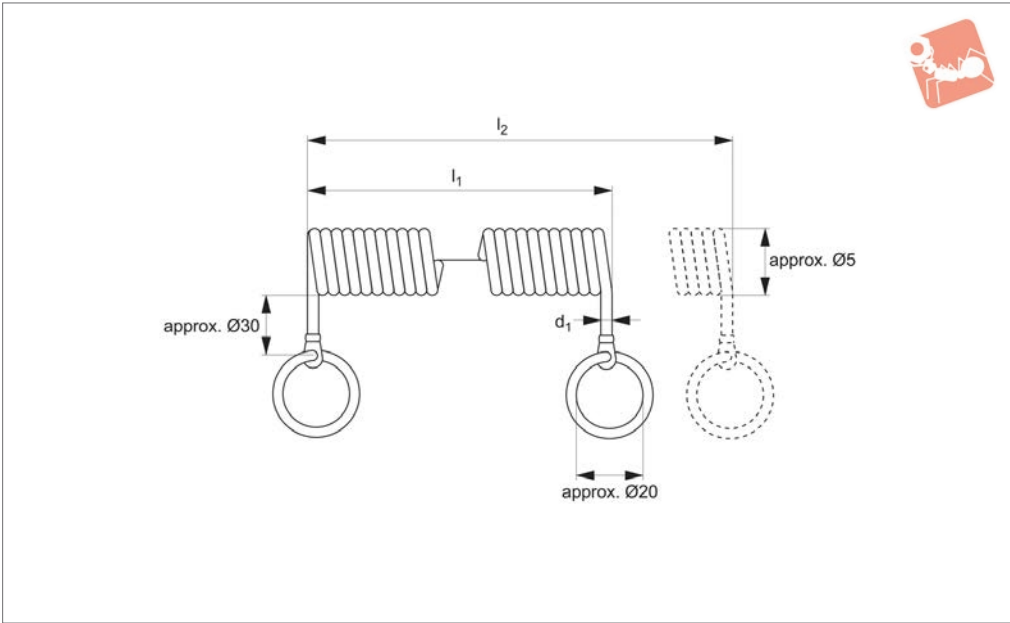
Tips

For use in securing components to assemblies, or to avoid items being misplaced.

Order No.	Coating	d ₁	l ₁	Ø a	Weight g
33260.W0970	n/a	2.5	150	4.2	2.1
33260.W0974	n/a	2.5	250	4.2	2.7



33261



Material

Wire rope: steel.
Coating: PUR, thermoplastic.
Eyelet: brass, zinc plated.
Split ring: stainless steel.

Technical Notes

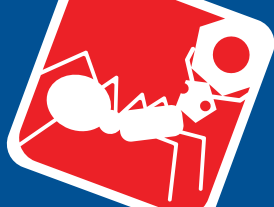
Temperature range up to 80°C. Coiled

sprung wire offers high extended length in a compact design.

Tips

For use in securing components to assemblies, or to avoid items being misplaced.
For our wide range of quick release pins, part nos. 33060 to 33226.

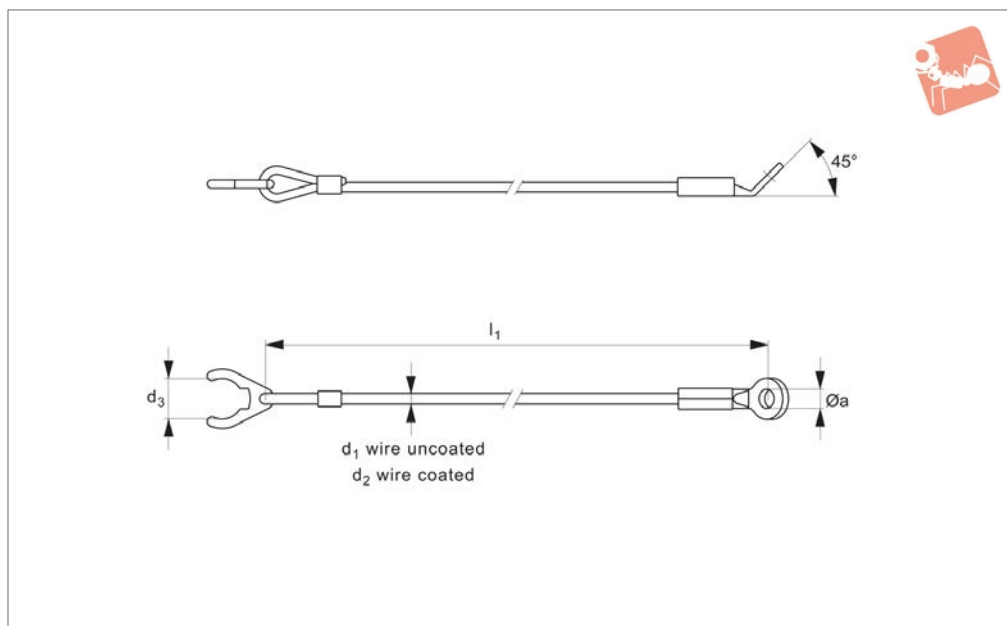
Order No.	PUR coating	d ₁	l ₁ retracted	l ₂ extended	Weight g
33261.W0980	Black	1.5	100	600	11.5
33261.W0982	Black	1.5	200	1200	17.4



Lanyard - Circlip End to Eyelet

crimps brass, tabs stainless steel

Ball Lock Pins & Quick Release



33265

BALL LOCK PINS & QUICK RELEASE PINS

Material

Wire rope: stainless steel.
Coating (if present): PVC, see table.
Crimps/sleeves: brass.
Eyelet, circlip end and split ring: stainless

steel.

Technical Notes

Designed specifically to hold ball lock pin 33194.

Important Notes

Assemble by attaching holding clips to the ball lock pin with a soft-face mallet, disassemble via levering off with a screw driver.

Order No.	Coating	d ₁ wire uncoated	l ₁	Ø a	d ₂ wire coated	d ₅ for use with part no. 33914 of pin dia d ₁	Weight g
33265.W1001	Clear	1.5	150	4.8	2.0	5/ 6	6.0
33265.W1021	Clear	1.5	200	4.8	2.0	5/ 6	7.0
33265.W1041	Clear	1.5	300	4.8	2.0	5/ 6	8.0
33265.W1061	Clear	1.5	150	2.0	4.8	8/10	7.0
33265.W1002	Clear	1.5	200	4.8	2.0	8/10	8.0
33265.W1022	Clear	1.5	200	4.8	2.0	8/10	9.0
33265.W1042	Clear	1.5	150	4.8	2.0	12/16	8.0
33265.W1062	Clear	1.5	200	4.8	2.0	12/16	9.0
33265.W1003	Clear	1.5	300	4.8	2.0	12/16	10.0
33265.W1023	Clear	1.5	150	4.8	2.0	20/25	12.0
33265.W1043	Clear	1.5	200	4.8	2.0	20/25	13.0
33265.W1063	Clear	1.5	300	4.8	2.0	20/25	14.0
33265.W1101	Black	1.5	150	4.8	2.0	5/ 6	6.0
33265.W1121	Black	1.5	200	4.8	2.0	5/ 6	7.0
33265.W1141	Black	1.5	300	4.8	2.0	5/ 6	8.0
33265.W1161	Black	1.5	150	4.8	2.0	8/10	7.0
33265.W1102	Black	1.5	200	4.8	2.0	8/10	8.0
33265.W1122	Black	1.5	300	4.8	2.0	8/10	9.0
33265.W1142	Black	1.5	150	4.8	2.0	12/16	8.0
33265.W1162	Black	1.5	200	4.8	2.0	12/16	9.0
33265.W1103	Black	1.5	300	4.8	2.0	12/16	10.0
33265.W1123	Black	1.5	150	4.8	2.0	20/25	12.0
33265.W1143	Black	1.5	200	4.8	2.0	20/25	13.0
33265.W1163	Black	1.5	300	4.8	2.0	20/25	14.0
33265.W1201	Uncoated	1.5	150	4.8	-	5/ 6	6.0
33265.W1221	Uncoated	1.5	200	4.8	-	5/ 6	7.0
33265.W1241	Uncoated	1.5	300	4.8	-	5/ 6	8.0
33265.W1261	Uncoated	1.5	150	4.8	-	8/10	7.0
33265.W1202	Uncoated	1.5	200	4.8	-	8/10	8.0
33265.W1222	Uncoated	1.5	300	4.8	-	8/10	9.0
33265.W1242	Uncoated	1.5	200	4.8	-	12/16	8.0
33265.W1262	Uncoated	1.5	200	4.8	-	12/16	9.0
33265.W1203	Uncoated	1.5	300	4.8	-	12/16	10.0

Ball Lock Pins & Quick Release

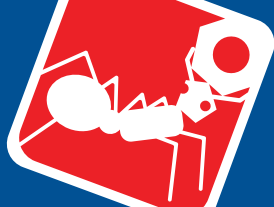


Lanyard - Circlip End to Eyelet

crimps brass, tabs stainless steel

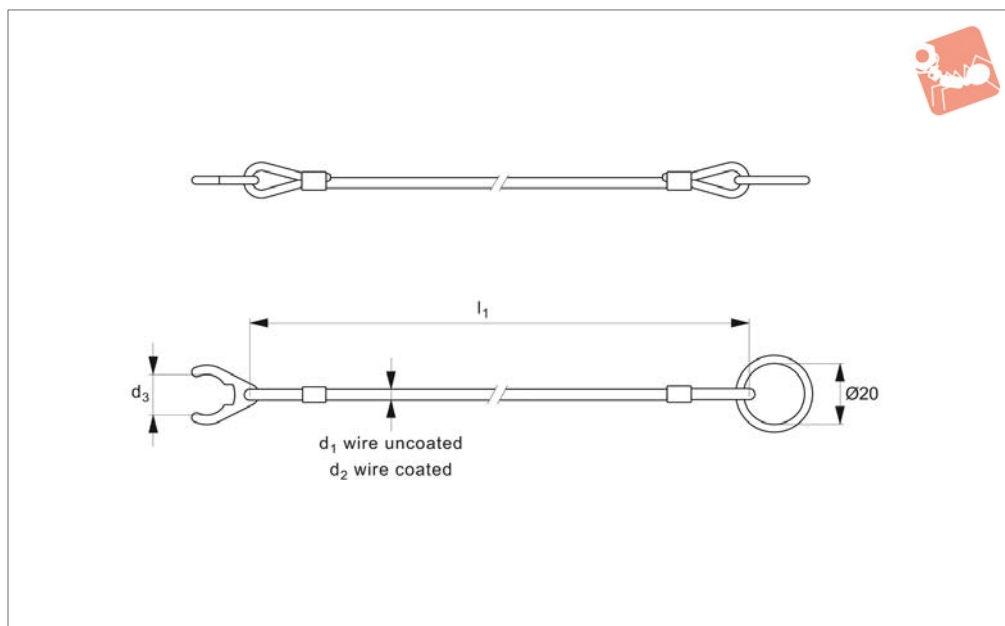


Order No.	Coating	d ₁ wire uncoated	l ₁	Ø a	d ₂ wire coated	d ₅ for use with part no. 33914 of pin dia d ₁	Weight g
33265.W1223	Uncoated	1.5	150	4.8	-	20/25	12.0
33265.W1243	Uncoated	1.5	200	4.8	-	20/25	13.0
33265.W1263	Uncoated	1.5	300	4.8	-	20/25	14.0



Lanyard - Circlip End to Loop with crimps brass, tabs stainless steel, for ball lock pins

Ball Lock Pins & Quick Release



33266

BALL LOCK PINS & QUICK RELEASE PINS

Material

Wire rope: stainless steel.
Coating (if present): PA6, see table.
Crimps/sleeves: brass.
Circlip end and split ring: stainless steel.

Technical Notes

Designed specifically to hold ball lock pin 33194.

Important Notes

Assemble by attaching holding clips to the ball lock pin with a soft-face mallet, disassemble via levering off with a screw driver.

Order No.	Coating	d ₁ wire uncoated	l ₁	d ₂ wire coated	d ₃ for use with part no. 33914 of pin dia d ₁	Weight g
33266.W1011	Clear	1.5	150	2.0	5/6	6.3
33266.W1031	Clear	1.5	150	2.0	8/10	7.2
33266.W1051	Clear	1.5	150	2.0	12/16	8.4
33266.W1071	Clear	1.5	150	2.0	20/25	11
33266.W1012	Clear	1.5	200	2.0	5/6	6.9
33266.W1032	Clear	1.5	200	2.0	8/10	7.8
33266.W1052	Clear	1.5	200	2.0	12/16	9.0
33266.W1072	Clear	1.5	200	2.0	20/25	12
33266.W1013	Clear	1.5	300	2.0	5/6	8.2
33266.W1033	Clear	1.5	300	2.0	8/10	9.0
33266.W1053	Clear	1.5	300	2.0	12/16	10
33266.W1073	Clear	1.5	300	2.0	20/25	13
33266.W1111	Black	1.5	150	2.0	5/6	6.3
33266.W1131	Black	1.5	150	2.0	8/10	7.3
33266.W1151	Black	1.5	150	2.0	12/16	8.4
33266.W1171	Black	1.5	150	2.0	20/25	11
33266.W1112	Black	1.5	200	2.0	5/6	7.0
33266.W1132	Black	1.5	200	2.0	8/10	7.8
33266.W1152	Black	1.5	200	2.0	12/16	9.0
33266.W1172	Black	1.5	200	2.0	20/25	12
33266.W1113	Black	1.5	300	2.0	5/6	8.2
33266.W1133	Black	1.5	300	2.0	8/10	9.0
33266.W1153	Black	1.5	300	2.0	12/16	10
33266.W1173	Black	1.5	300	2.0	20/25	13
33266.W1211	Uncoated	1.5	150	-	5/6	5.9
33266.W1231	Uncoated	1.5	150	-	8/10	6.8
33266.W1251	Uncoated	1.5	150	-	12/16	8.0
33266.W1271	Uncoated	1.5	150	-	20/25	11
33266.W1212	Uncoated	1.5	200	-	5/6	6.4
33266.W1232	Uncoated	1.5	200	-	8/10	7.3
33266.W1252	Uncoated	1.5	200	-	12/16	8.5
33266.W1272	Uncoated	1.5	200	-	20/25	12
33266.W1213	Uncoated	1.5	300	-	5/6	7.4

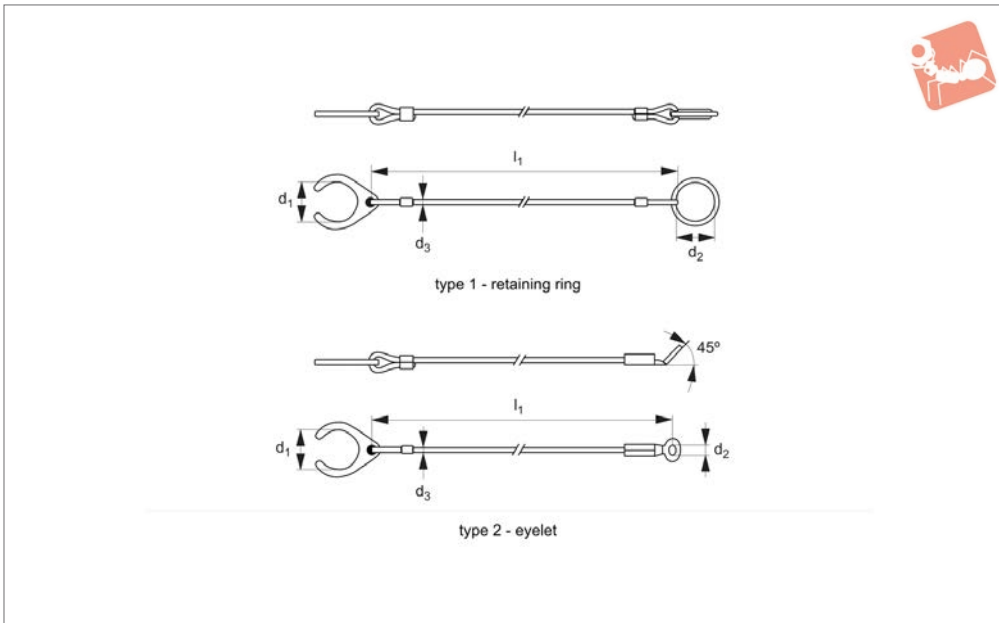


Order No.	Coating	d ₁ wire uncoated	l ₁	d ₂ wire coated	d ₃ for use with part no. 33914 of pin dia d ₁	Weight g
33266.W1233	Uncoated	1.5	300	-	8/10	8.6
33266.W1253	Uncoated	1.5	300	-	12/16	9.5
33266.W1273	Uncoated	1.5	300	-	20/25	13



Retaining Cable with holding clip for no. 33331

Ball Lock Pins & Quick Release



33268

BALL LOCK PINS & QUICK RELEASE PINS

Material

Split ring or eyelet: stainless steel.
Holding circlip: thermoplastic PA 6, black.
Wire rope: stainless steel.

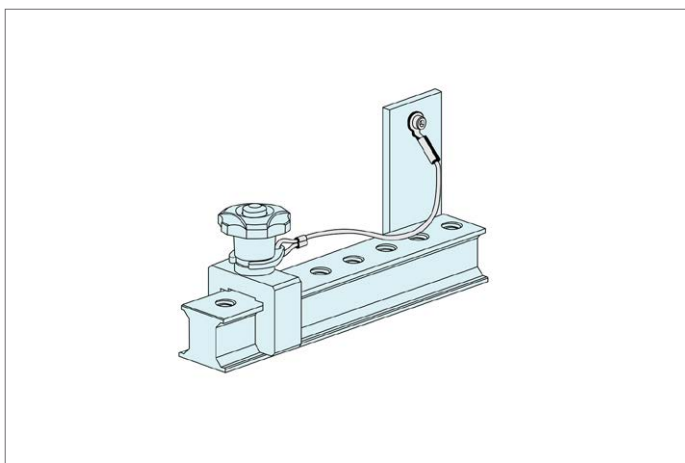
Coating: thermoplastic PA 6, black.

Technical Notes

Retaining cables designed specifically for

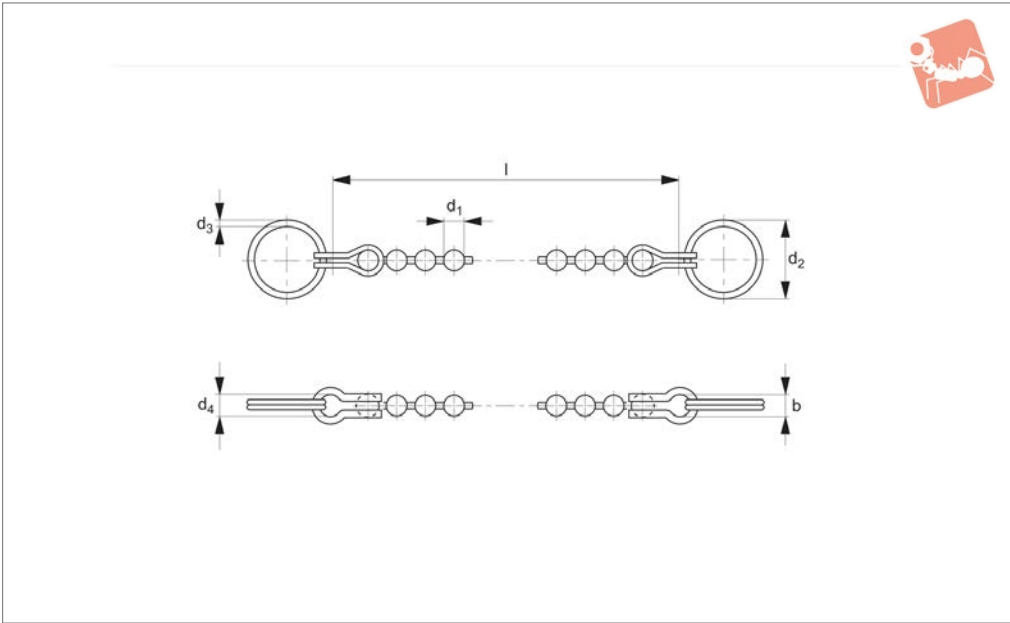
use with threaded lock pin no. 33331.
Lanyard prevents accidental loss of pin from application.

Order No.	Type	d ₁	l ₁	d ₂	d ₃ wire coated	To suit lock pin 33331	Weight g
33268.W6001	1	20.3	150	20.3	2	M 8 to M16	6
33268.W6002	1	20.3	200	20.3	2	M 8 to M16	7
33268.W6003	1	20.3	300	20.3	2	M 8 to M16	8
33268.W6011	2	20.3	150	4.8	2	M 8 to M16	6
33268.W6012	2	20.3	200	4.8	2	M 8 to M16	7
33268.W6013	2	20.3	300	4.8	2	M 8 to M16	8





33270



Material

Bead chain: stainless steel AISI 304,
polished.
End attachments: brass, nickel plated.

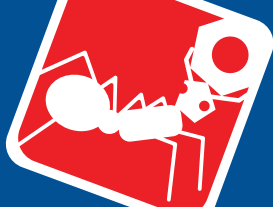
Split rings: stainless steel.

Technical Notes

Retaining chains secure single-acting ball

lock pins against possible loss.
Other chain lengths available on request.

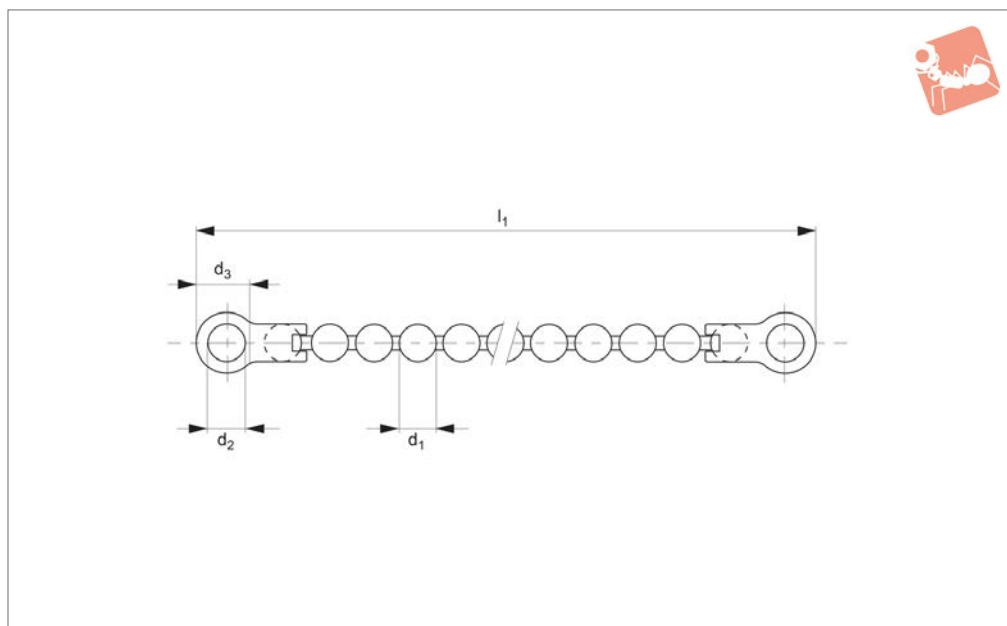
Order No.	Length l	d ₁	Breaking strength kg min.	d ₄	b	Ring thickness d ₃	Ring dia. d ₂
33270.W0200	200	3.2	20	3.5	6	1.52	24
33270.W0350	350	3.2	20	3.5	6	1.52	24
33270.W0500	500	3.2	20	3.5	6	1.52	24



Lanyard - Bead Chain

stainless steel

Ball Lock Pins & Quick Release



33272

BALL LOCK PINS & QUICK RELEASE PINS

Material

Bead chain: stainless steel AISI 304.
Terminals: brass.

Tips

For use in securing components to assem-

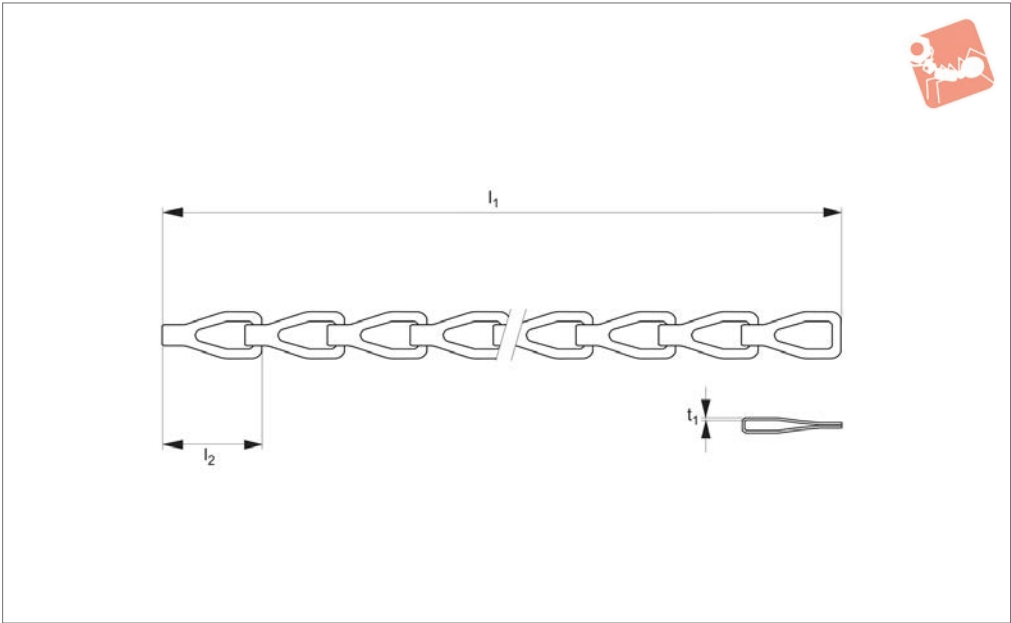
lies, or to avoid items being misplaced. For a wide range of detent pins and quick release ball lock pins see parts 33010 through 33226. Terminals also available in AISI 304 stainless steel on request. Subject

to min. quantity.

Order No.	Trade size	d ₁	l ₁ nom.	d ₂	d ₃	Terminal material
33272.W0080	10	4.5	80	4.7	6.35	Brass
33272.W0100	10	4.5	100	4.7	6.35	Brass
33272.W0150	10	4.5	150	4.7	6.35	Brass
33272.W0200	10	4.5	200	4.7	6.35	Brass
33272.W0300	10	4.5	300	4.7	6.35	Brass
33272.W0450	10	4.5	450	4.7	6.35	Brass



33274

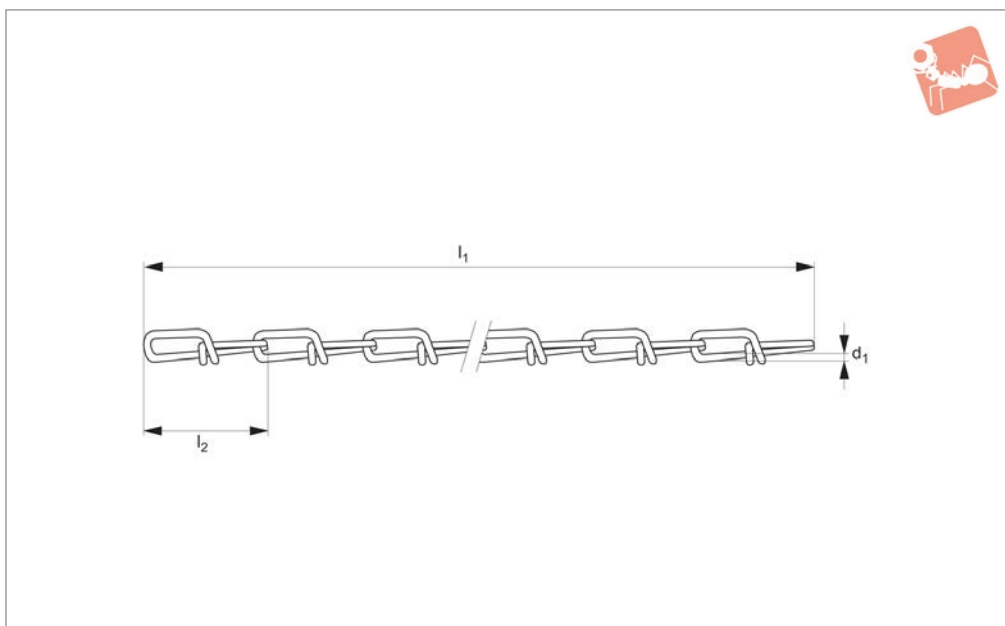
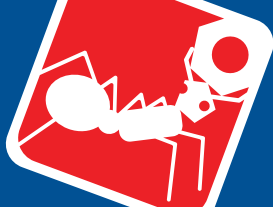


Material
Brass.

Tips
For use in securing components to assemb-

lies, or to avoid items being misplaced. For a wide range of detent pins and quick release ball lock pins see parts 33010 through 33226.

Order No.	Material	Trade size	l_1 nom.	l_2	t_1
33274.W0100	Brass	8	100	25	0.95
33274.W0150	Brass	8	150	25	0.95
33274.W0200	Brass	8	200	25	0.95
33274.W0300	Brass	8	300	25	0.95
33274.W0450	Brass	8	450	25	0.95



33276

BALL LOCK PINS & QUICK RELEASE PINS

Material

Steel (1008), zinc plated.

Tips

For use in securing components to assemb-

lies, or to avoid items being misplaced. For a wide range of detent pins and quick release ball lock pins see parts 33010 through 33226. Terminals also available in

AISI 304 stainless steel on request. Subject to min. quantity.

Order No.	Material	Trade size	d ₁	l ₁ nom.	l ₂
33276.W0128	Steel	4	1.8	128	32
33276.W0192	Steel	4	1.8	192	32
33276.W0256	Steel	4	1.8	256	32
33276.W0320	Steel	4	1.8	320	32
33276.W0448	Steel	4	1.8	448	32



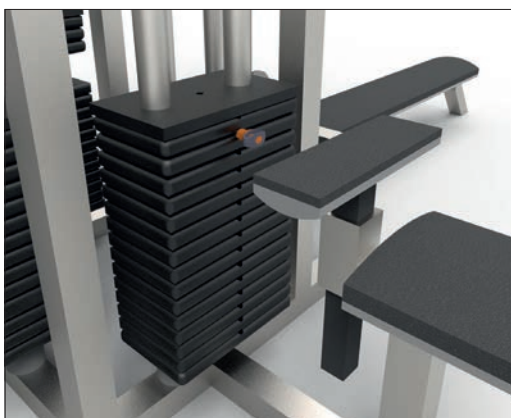
Sound Rigging Systems

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

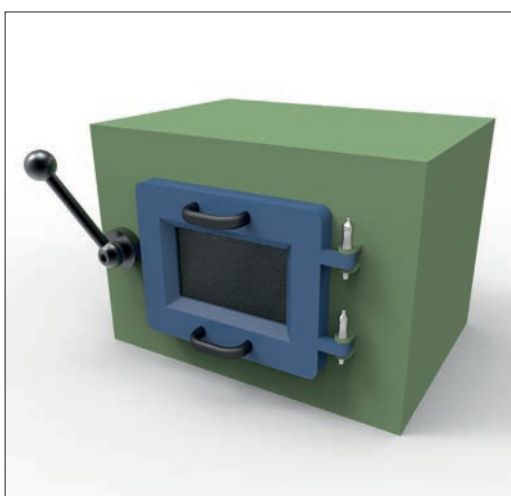
In addition full black powder coating of grip and actuation button eliminates glare from other stage lighting.



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



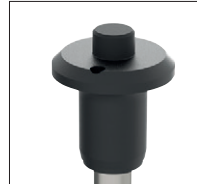
Plastic tri-star



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



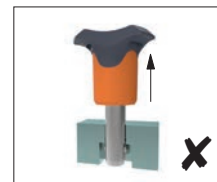
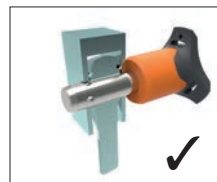
Simple spring loaded balls
"pullout pin"

Important Note

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



Shear force

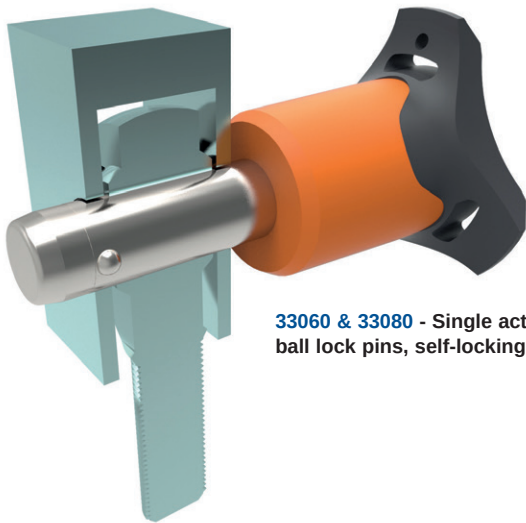


Lifting force

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.



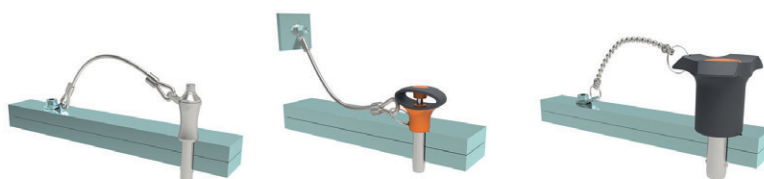
33140 - Socket pins, non-locking, spring loaded balls.



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.