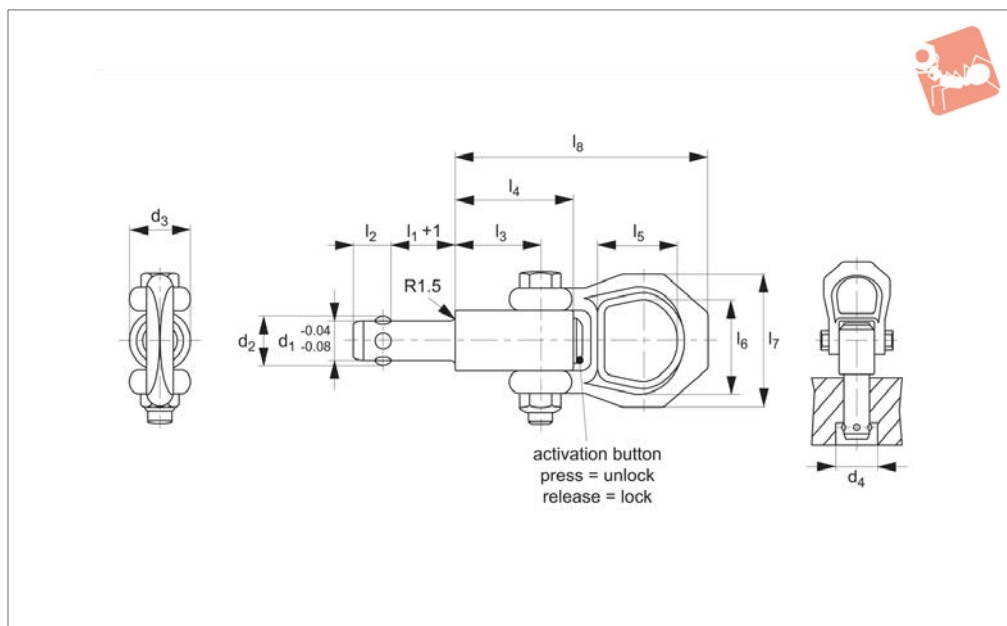




Quick Lift Pins - Self Locking

Quick Lift Pins



33400

QUICK LIFT PINS

Material

Pin, Body & Shackle: heat treated steel, tempered, manganese phosphated.

Actuation Button: aluminium, red anodised.

Spring: stainless steel.

Technical Notes

Pressing = unlocking.

Releasing = locking.

Lifts forces up to 4.8kN (with a 5 fold in-built safety factor).

Temperature range up to +250°C.

Easy installation with plain drilled hole to H11 tolerance.

Tips

The design of the safety shackle prevents accidental locking/unlocking. Safety shackle is adjustable and can be used to lift components at 90°, 45° or 180°.

Important Notes

* are values calculated on a 5-fold safety

against breakage.

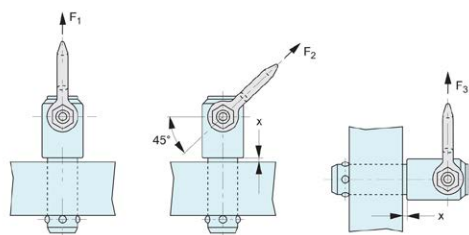
When machining receiving hole in aluminium we recommend use of hardened bush or collar in receiving hole, see our part no. 33440.

Supplied with TUV test certificate of manufacturing process. Parts not individually tested.

Order No.	l_1	d_1 -0.04 -0.08	d_2	d_3	d_4 min.	l_2	l_3	l_4	l_5	Weight g
33400.W0601	10	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27.0	218
33400.W0602	15	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27.0	220
33400.W0604	25	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27.0	223
33400.W0606	35	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27.0	226
33400.W0611	10	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27.0	218
33400.W0612	15	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27.0	219
33400.W0614	25	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27.0	223
33400.W0616	35	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27.0	228
33400.W0621	15	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27.0	226
33400.W0623	25	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27.0	238
33400.W0625	35	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27.0	244
33400.W0627	50	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27.0	252
33400.W0631	15	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27.0	238
33400.W0633	25	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27.0	243
33400.W0635	35	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27.0	251
33400.W0637	50	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27.0	268
33400.W0651	25	13.8	16.20	21.5	16.70	13.00	25.7	36.0	27.0	251
33400.W0653	50	13.8	16.20	21.5	16.70	13.00	25.7	36.0	27.0	279
33400.W0655	75	13.8	16.20	21.5	16.70	13.00	25.7	36.0	27.0	309
33400.W0641	25	16.0	18.60	25.0	19.20	15.10	31.0	44.5	27.0	312
33400.W0643	50	16.0	18.60	25.0	19.20	15.10	31.0	44.5	27.0	353
33400.W0645	75	16.0	18.60	25.0	19.20	15.10	31.0	44.5	27.0	388
33400.W0673	50	20.0	24.50	30.0	25.00	19.70	36.5	52.0	32.6	607
33400.W0675	75	20.0	24.50	30.0	25.00	19.70	36.5	52.0	32.6	666



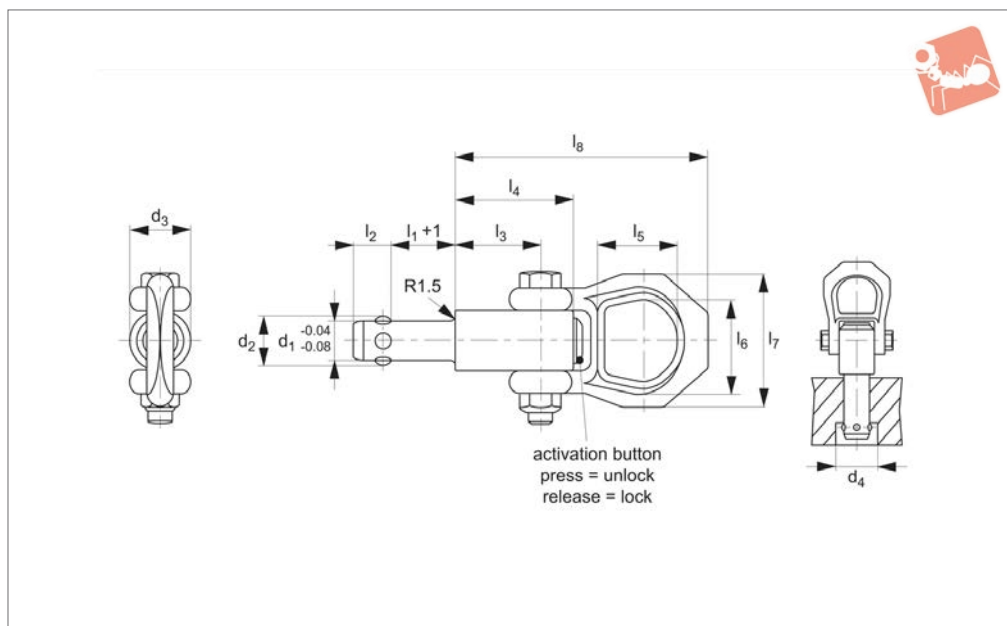
Order No.	l_6	l_7	l_8	F_1 kN	F_2 kN	F_3 kN	x min.	x max.	Location hole tol. H11
33400.W0601	30	49	87.5	1.5	1.2	0.5	1.5	5	8.0
33400.W0602	30	49	87.5	1.5	1.2	0.5	1.5	10	8.0
33400.W0604	30	49	87.5	1.5	1.2	0.5	1.5	15	8.0
33400.W0606	30	49	87.5	1.5	1.2	0.5	1.5	15	8.0
33400.W0611	30	49	87.5	1.5	1.2	0.5	1.5	5	8.3
33400.W0612	30	49	87.5	1.5	1.2	0.5	1.5	10	8.3
33400.W0614	30	49	87.5	1.5	1.2	0.5	1.5	15	8.3
33400.W0616	30	49	87.5	1.5	1.2	0.5	1.5	15	8.3
33400.W0621	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33400.W0623	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33400.W0625	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33400.W0627	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33400.W0631	30	49	87.5	3.5	3.2	2.8	1.5	10	12.0
33400.W0633	30	49	87.5	3.5	3.2	2.8	1.5	15	12.0
33400.W0635	30	49	87.5	3.5	3.2	2.8	1.5	15	12.0
33400.W0637	30	49	87.5	3.5	3.2	2.8	1.5	15	12.0
33400.W0651	30	49	87.5	3.8	3.5	2.8	1.5	15	13.8
33400.W0653	30	49	87.5	3.8	3.5	2.8	1.5	35	13.8
33400.W0655	30	49	87.5	3.8	3.5	2.8	1.5	35	13.8
33400.W0641	30	49	92.8	4.8	4.5	4.1	1.5	15	16.0
33400.W0643	30	49	92.8	4.8	4.5	4.1	1.5	35	16.0
33400.W0645	30	49	92.8	4.8	4.5	4.1	1.5	40	16.0
33400.W0673	36	56	114	10.0	8.5	6.5	1.5	25	20.0
33400.W0675	36	56	114	10.0	8.5	6.5	1.5	25	20.0





Quick Lift Pins - Self Locking stainless steel

Quick Lift Pins



33420

QUICK LIFT PINS

Material

Pin & Body: stainless steel 1.4542 (AISI 630), precipitation hardened.
Shackle: stainless steel 1.4571.
Actuation Button: aluminium, red anodised.
Spring: stainless steel.

Technical Notes

Pressing = unlocking.
Releasing = locking.
Lifts forces up to 4.8kN (with a 5 fold in-

built safety factor).
Temperature range up to +250°C.
Easy installation with plain drilled hole to H11 tolerance.
Corrosion and weather resistant, therefore suitable for outdoor applications.

Tips

The design of the safety shackle prevents accidental locking/unlocking. Safety shackle is adjustable and can be used to lift components at 90°, 45° or 180°.

Important Notes

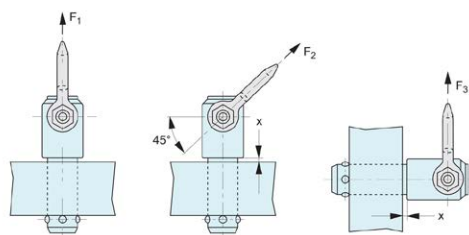
* are values calculated on a 5-fold safety against breakage.
When machining receiving hole in aluminium we recommend use of hardened bush or collar in receiving hole, see our part no. 33440.

Supplied with TUV test certificate of manufacturing process. Parts not individually tested.

Order No.	l_1	d_1	d_2	d_3	d_4 min.	l_2	l_3	l_4	l_5	Weight g
33420.W0701	10	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27	221
33420.W0702	15	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27	222
33420.W0704	25	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27	225
33420.W0706	35	8.0	9.35	21.5	9.85	8.75	25.7	36.0	27	229
33420.W0711	10	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27	222
33420.W0712	15	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27	223
33420.W0714	25	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27	225
33420.W0716	35	8.3	9.65	21.5	10.05	8.75	25.7	36.0	27	231
33420.W0721	15	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27	233
33420.W0723	25	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27	243
33420.W0725	35	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27	250
33420.W0727	50	10.0	11.70	21.5	12.20	10.20	25.7	36.0	27	257
33420.W0731	15	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27	246
33420.W0733	25	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27	255
33420.W0735	35	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27	265
33420.W0737	50	12.0	14.20	21.5	14.70	11.00	25.7	36.0	27	273
33420.W0751	25	13.8	16.20	21.5	16.70	13.00	25.7	36.0	27	255
33420.W0753	50	13.8	16.20	21.5	16.70	13.00	25.7	36.0	27	283
33420.W0755	75	13.8	16.20	21.5	16.70	13.00	25.7	36.0	27	311
33420.W0741	25	16.0	18.60	25.0	19.20	15.10	31.0	44.5	27	313
33420.W0743	50	16.0	18.60	25.0	19.20	15.10	31.0	44.5	27	367
33420.W0745	75	16.0	18.60	25.0	19.20	15.10	31.0	44.5	27	403
33420.W0773	50	20.0	24.50	30.0	25.00	19.70	36.5	52.0	32.6	607
33420.W0775	75	20.0	24.50	30.0	25.00	19.70	36.5	52.0	32.6	666



Order No.	l_6	l_7	l_8	F_1 kN	F_2 kN	F_3 kN	x min.	x max.	Location hole dia. tol. H11
33420.W0701	30	49	87.5	1.5	1.2	0.5	1.5	5	8.0
33420.W0702	30	49	87.5	1.5	1.2	0.5	1.5	10	8.0
33420.W0704	30	49	87.5	1.5	1.2	0.5	1.5	15	8.0
33420.W0706	30	49	87.5	1.5	1.2	0.5	1.5	15	8.0
33420.W0711	30	49	87.5	1.5	1.2	0.5	1.5	5	8.3
33420.W0712	30	49	87.5	1.5	1.2	0.5	1.5	10	8.3
33420.W0714	30	49	87.5	1.5	1.2	0.5	1.5	15	8.3
33420.W0716	30	49	87.5	1.5	1.2	0.5	1.5	15	8.3
33420.W0721	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33420.W0723	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33420.W0725	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33420.W0727	30	49	87.5	2.7	2.4	2.1	1.5	10	10.0
33420.W0731	30	49	87.5	3.5	3.2	2.8	1.5	10	12.0
33420.W0733	30	49	87.5	3.5	3.2	2.8	1.5	15	12.0
33420.W0735	30	49	87.5	3.5	3.2	2.8	1.5	15	12.0
33420.W0737	30	49	87.5	3.5	3.2	2.8	1.5	15	12.0
33420.W0751	30	49	87.5	3.8	3.5	2.8	1.5	15	13.8
33420.W0753	30	49	87.5	3.8	3.5	2.8	1.5	35	13.8
33420.W0755	30	49	87.5	3.8	3.5	2.8	1.5	35	13.8
33420.W0741	30	49	92.8	4.8	4.5	4.1	1.5	15	16.0
33420.W0743	30	49	92.8	4.8	4.5	4.1	1.5	35	16.0
33420.W0745	30	49	92.8	4.8	4.5	4.1	1.5	40	16.0
33420.W0773	36	56	114.0	10.0	8.5	6.5	1.5	25	20.0
33420.W0775	36	56	114.0	10.0	8.5	6.5	1.5	30	20.0





Wixroyd Quick Lifting Pins

product overview

33400 - 33420
Positioning Elements

Danger!

Self-locking quick lift pins are designed to lift and hold point loads not people.

Self-locking quick lift pins are not suited for rotating loads.

Dirt and debris etc can affect the performance of the pins.

Using damaged self-locking pins can be very dangerous. Before each use carefully inspect the pins (damage, deformities, signs of stress, corrosion, check unlocking and locking function, loss of balls etc. Check full movement of shackle. Withdraw any defective pins from service immediately.

To release the balls, press button A. To lock the balls, release button A.

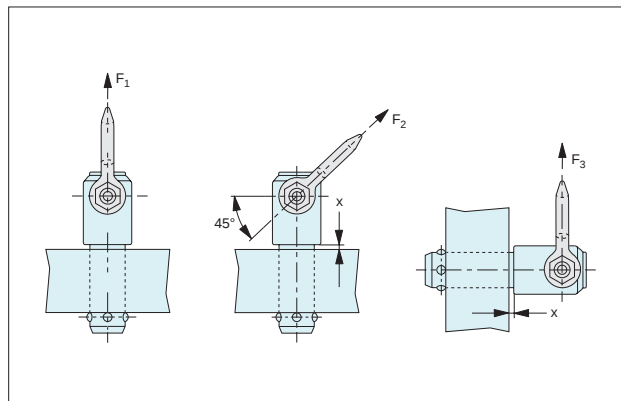
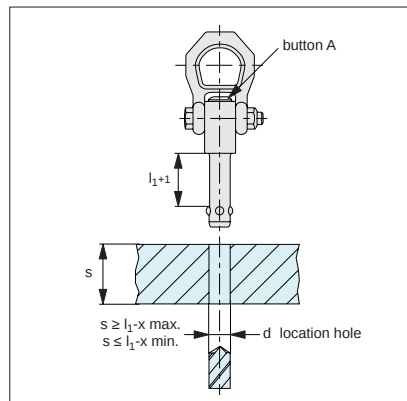
The load figures F_1 , F_2 and F_3 apply only to lifting applications used with a steel retainer, and an "x" min of 1.5mm.

Inspect before and after every use. For maintenance – take the out of service after 12 months for inspection by qualified personnel.

- Ensure all lifting pins are CE marked.
- Ensure they are handled by qualified personnel.
- Refer to the operating instructions particularly with regards to product selection, any possibility of the load swivelling, the effect of lifting angles on the load capacity (see relevant tables), etc.
- Never allow any personnel underneath a suspended load.
- Always heed the load rating of the lifting pin.
- Always perform a visual inspection of the lifting pins prior to use. Checking for any damage to thread and/or swivelling system. Check for wear or corrosion, signs of stress or bending.
- Ensure a yearly full service inspection is performed.
- Always ensure the full bottom face of the lifting pin shoulder is in contact with a smooth, square surface.
- Ensure full and unrestricted movement of the lifting pin in all directions.
- Before each lift ensure the correct orientation of the shackle in the lift direction.
- Avoid using our standard steel lifting pins in corrosive environments eg. sandy, chemical, acid, moisture etc. In this case consider using our stainless steel lifting pins (33420).

Operating Instructions 33400 and 33420

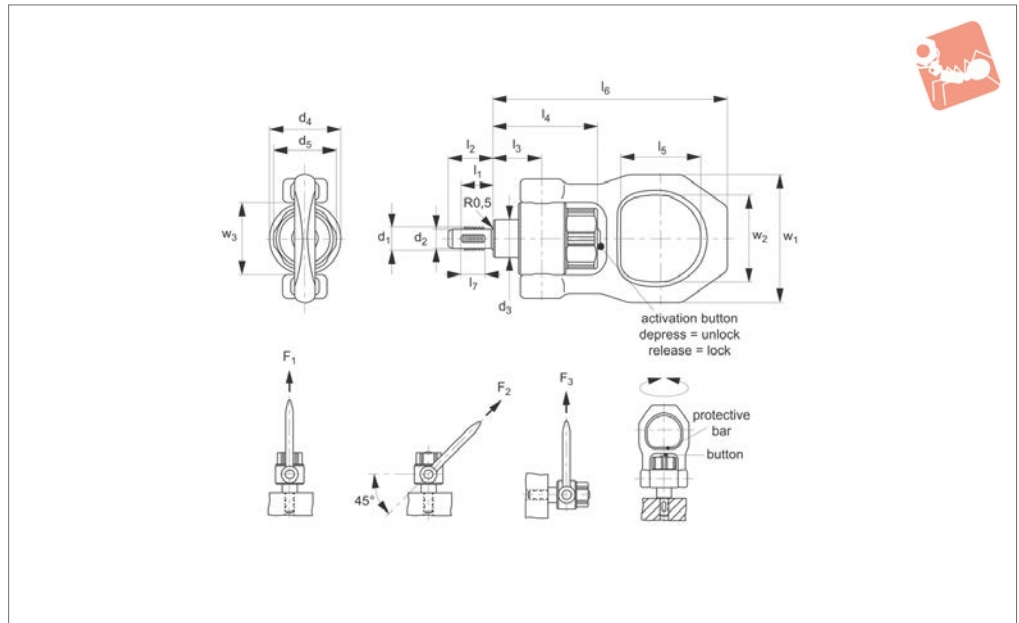
Note: The full shaft must be engaged. Longer shaft lengths can be supplied on request or a bolt and washer/nut combination can be used.



Notes



33425



Material Steel

Pin: heat-treated steel, tempered, manganese phosphated.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: steel, heat-treated, tempered, manganese phosphated.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Stainless steel

Pin: stainless steel 1.4542, (AISI 630) precipitation hardened.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: stainless steel 1.45471.

Press button: aluminium, orange anodised.
Spring: stainless Steel.

Technical Notes

To suit metric coarse threads, tolerance g6. CE marked. Both types are corrosion protected. The stainless steel pin is resistant to corrosion and weathering, so suitable for external use. The instruction manual and CE Declaration of Conformity are included. F_1^* and F_3^* values are inscribed on the body for reference. F values are calculated on 5 x safety factor. Depress button: to unlock. Release button: to lock. Max temp. 250°C.

Tips

Heavy duty lifting pin, quick and easy to use with pivoting shackle and protective bar to prevent unintentional unlocking. The threaded lifting pin is inserted into a threaded hole, so no time is wasted screwing in and out alternative lifting rings. The rotatable shackle will always align with the tensile direction of pull without the pin rotating. This prevents the load-handling device from being turned out of the thread and the component can be lifted safely.

Before use: read instruction manual, and data sheets follow standard safe lifting procedures.

Order No.	Type	l_1	d_1	d_2 -0.07	d_3	d_4	d_5	l_2	l_3	l_4	l_5	Weight g
33425.W0010	Steel	14	M10	8.4	20	38	33.5	20.0	25.7	54.9	42.5	581
33425.W0012	Steel	17	M12	10.1	20	38	33.5	24.0	25.7	54.9	42.5	585
33425.W0016	Steel	17	M16	13.8	20	38	33.5	24.0	25.7	54.9	42.5	597
33425.W0020	Steel	22	M20	17.3	35	56	50.0	30.0	36.5	73.7	55.6	1789
33425.W0024	Steel	27	M24	20.7	35	56	50.0	36.0	42.0	79.2	55.6	1864
33425.W1010	Stainless Steel	14	M10	8.4	20	38	33.5	20.0	25.7	54.9	42.5	581
33425.W1012	Stainless Steel	17	M12	10.1	20	38	33.5	24.0	25.7	54.9	42.5	585
33425.W1016	Stainless Steel	17	M16	13.8	20	38	33.5	24.0	25.7	54.9	42.5	597
33425.W1020	Stainless Steel	22	M20	17.3	35	56	50.0	30.0	36.5	73.7	55.6	1789
33425.W1024	Stainless Steel	27	M24	20.7	35	56	50.0	36.0	42.0	79.2	55.6	1864

Order No.	l_6	l_7	w_1	w_2	w_3	F_1 kN	F_2 kN	F_3 kN	Locating thread	Tightening torque Nm max.
33425.W0010	123.7	10	68	46	38	3.9	1.5	1.5	M10	2
33425.W0012	123.7	12	68	46	38	6.2	2.5	2.3	M12	2
33425.W0016	123.7	12	68	46	38	8.4	4.5	4.2	M16	2
33425.W0020	167.5	17	102	70	59	16.6	7.7	5.0	M20	3
33425.W0024	173.0	22	102	70	59	18.5	11.1	8.6	M24	3



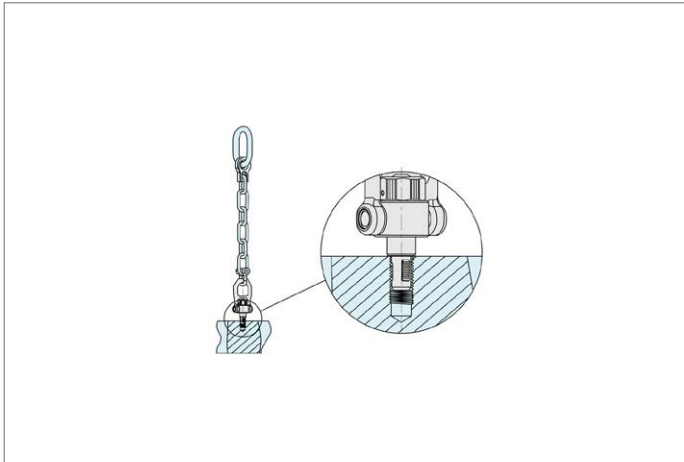
Quick Lift Pins - Threaded

double swivel - metric

Quick Lift Pins



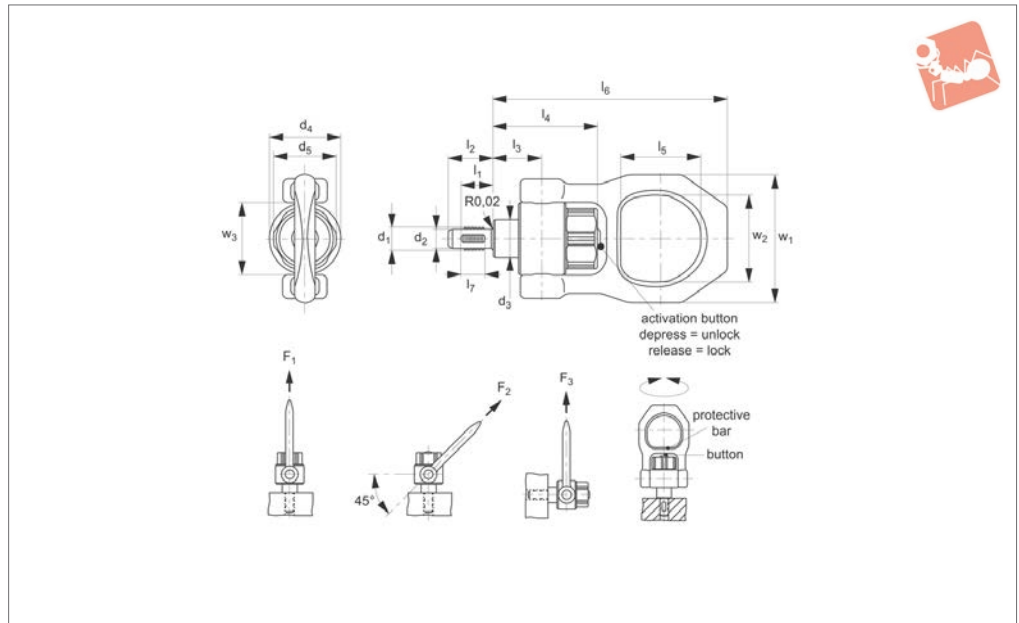
Order No.	l_6	l_7	w_1	w_2	w_3	F_1 kN	F_2 kN	F_3 kN	Locating thread	Tightening torque Nm max.
33425.W1010	123.7	10	68	46	38	3.9	1.5	1.5	M10	2
33425.W1012	123.7	12	68	46	38	6.2	2.5	2.3	M12	2
33425.W1016	123.7	12	68	46	38	8.4	4.5	4.2	M16	2
33425.W1020	167.5	17	102	70	59	16.6	7.7	5.0	M20	3
33425.W1024	173.0	22	102	70	59	18.0	11.1	8.6	M24	3



QUICK LIFT PINS



3B425



Material

Steel:

Pin: heat-treated steel, tempered, manganese phosphated.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: steel, heat-treated, tempered, manganese phosphated.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Stainless steel:

Pin: stainless steel 1.4542, (AISI 630) precipitation hardened.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: stainless steel 1.45471.
Press button: aluminium, orange anodised.

Spring: stainless steel.

Technical Notes

To suit inch coarse threads, tolerance g6.
CE marked. Both types are corrosion protected. The stainless steel pin is resistant to corrosion and weathering, so suitable for external use.
The instruction manual and CE Declaration of Conformity are included.
 F_1^* and F_3^* values are inscribed on the body for reference. F values are calculated on 5 x safety factor.
Depress button: to unlock.
Release button: to lock.
Max temp. 482°F 250°C.

Tips

Heavy duty lifting pin, quick and easy to

use with pivoting, rotatable shackle and protective bar to prevent unintentional unlocking. The threaded lifting pin is inserted into a threaded hole, so no time is wasted screwing in and out alternative lifting rings. The rotatable shackle will always align with the tensile direction of pull without the pin rotating. This prevents the load-handling device from being turned out of the thread and the component can be lifted safely.

Before use: read instruction manual, and data sheets follow standard safe lifting procedures.

Dimensions in inches.

Order No.	Type	l_1	d_1	d_2 inch +0.0028	d_3	d_4	d_5	l_2	l_3	Weight lb
3B425.W0012	Steel	0.669	1/2"-13	0.416	0.787	1496	1.319	0.945	1.012	1.29
3B425.W0020	Steel	0.866	3/4"-10	0.640	1.378	2323	1.969	1.181	1.437	3.93
3B425.W0024	Steel	1.063	1"-8	0.863	1.378	2323	1.969	1.417	1.654	4.13
3B425.W1012	Stainless Steel	0.669	1/2"-13	0.416	0.790	1496	1.320	0.945	1.012	1.29
3B425.W1020	Stainless Steel	0.866	3/4"-10	0.640	1.378	2323	1.969	1.181	1.437	3.93
3B425.W1024	Stainless Steel	1.063	1"-8	0.863	1.378	2323	1.969	1.417	1.654	4.13

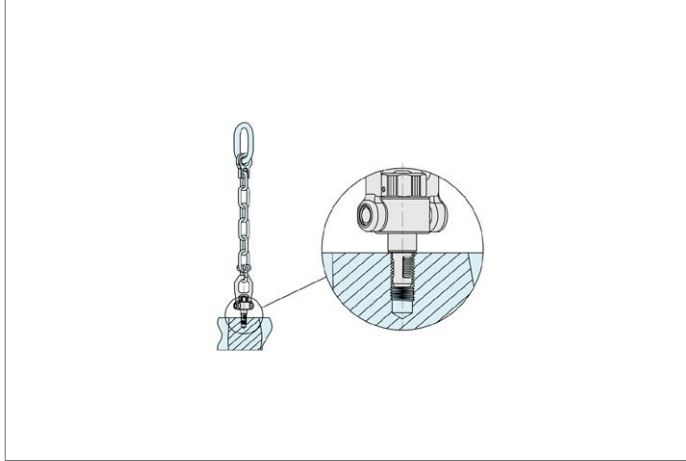
Order No.	l_4	l_5	l_6	l_7	w_1	w_2	w_3	F_1 lbf	F_2 lbf	F_3 lbf	Locating thread	Tightening torque Nm max.
3B425.W0012	2.161	1.673	4.870	0.472	2.677	1.811	1.496	1528	764	607	1/2"-13	1.48
3B425.W0020	2.902	2.189	6.594	0.669	4.016	2.756	2.323	3619	1731	1124	3/4"-10	2.21
3B425.W0024	3.118	2.189	6.811	0.866	4.016	2.756	2.323	4159	3147	2225	1"-8	2.21
3B425.W1012	2.161	1.673	4.870	0.472	2.677	1.811	1.496	1528	764	607	1/2"-13	1.48
3B425.W1020	2.902	2.189	6.594	0.669	4.016	2.756	2.323	3619	1731	1124	3/4"-10	2.21
3B425.W1024	3.118	2.189	6.811	0.866	4.016	2.756	2.323	4046	3147	2225	1"-8	2.21



Quick Lift Pins - Threaded

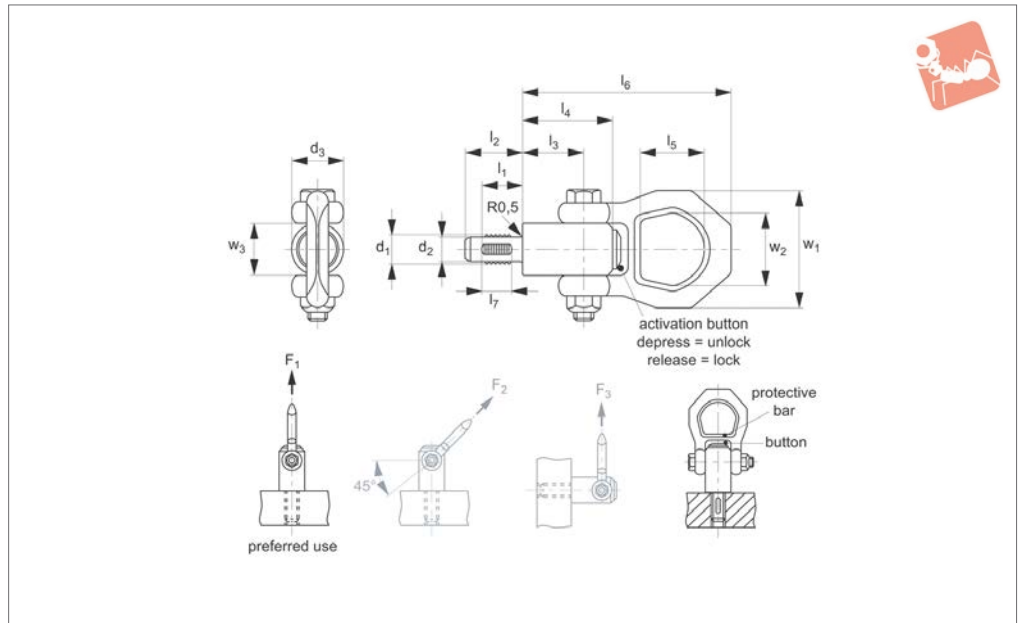
double swivel - inch

Quick Lift Pins





33430



Material

Steel:

Pin: heat-treated steel, tempered, manganese phosphated.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: steel, heat-treated, tempered, manganese phosphated.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Stainless steel:

Pin: stainless steel 1.4542, (AISI 630) precipitation hardened.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: stainless steel 1.45471.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Technical Notes

To suit metric coarse threads, tolerance g6.

CE marked. Both types are corrosion protected. The stainless steel pin is resistant to corrosion and weathering, so suitable for external use.
The instruction manual and CE Declaration of Conformity are included.
 F_1^* and F_3^* values are inscribed on the body for reference. F values are calculated on 5 x safety factor.
Depress button: to unlock.
Release button: to lock.
Max temp. 250°C.

Tips

The pin is ideally used for single point straight up lifts. The bottom face of the pin must be in full contact with the part to be lifted. The pin can also be used with forces F_2 and F_3 after ensuring that the shackle direction is aligned to the direction of the pull. The preferred part for these types of lifts is part 33425, which has a double

swivel function.

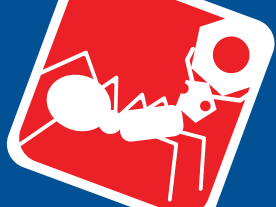
Before use: read instruction manual, and data sheets follow standard safe lifting procedures.

Important Notes

The threaded pin must be completely screwed into the thread and tightened to specified tightening torque and bear completely on the bearing surface. Quick and easy to use. The shackle pivots. The protective bar prevents unintentional unlocking by a hook or similar.
Use recommended mainly for direct upwards lift (F_1) as the shackle should be aligned to the direction of lift. Other pins (33425) have a swivel bearing to align shackle.

Rotation of loads must be prevented.

Order No.	Type	l_1	d_1	d_2 -0.07	d_3	l_2	l_3	l_4	l_5	Weight g
33430.W0008	Steel	12	M 8	6.6	21.5	17.8	25.7	36	27.0	228
33430.W0010	Steel	14	M10	8.4	21.5	20.0	25.7	36	27.0	271
33430.W0012	Steel	17	M12	10.1	21.5	24.0	25.7	36	27.0	234
33430.W0014	Steel	17	M14	11.8	21.5	24.0	25.7	36	27.0	280
33430.W0016	Steel	17	M16	13.8	21.5	24.0	25.7	36	27.0	244
33430.W0020	Steel	22	M20	17.3	30.0	30.0	36.5	52	32.6	518
33430.W0024	Steel	27	M24	20.7	36.0	30.6	42.0	60	50.6	1187
33430.W0027	Steel	31	M27	23.7	45.0	40.0	42.0	60	50.6	1420
33430.W0030	Steel	35	M30	26.1	45.0	45.0	42.0	60	50.6	1468
33430.W1008	Stainless Steel	12	M 8	6.6	21.5	17.8	25.7	36	27.0	228
33430.W1010	Stainless Steel	14	M10	8.4	21.5	20.0	25.7	36	27.0	229
33430.W1012	Stainless Steel	17	M12	10.1	21.5	24.0	25.7	36	27.0	237
33430.W1016	Stainless Steel	17	M16	13.8	21.5	24.0	25.7	36	27.0	247



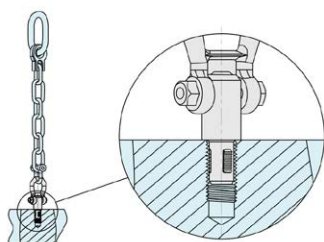
Quick Lift Pins - Threaded metric

Quick Lift Pins

Order No.	Type	l_1	d_1	d_2 -0.07	d_3	l_2	l_3	l_4	l_5	Weight g
33430.W1020	Stainless Steel	22	M20	17.3	30.0	30.0	36.5	52	32.6	519
33430.W1024	Stainless Steel	27	M24	20.7	36.0	30.6	42.0	60	50.6	1219

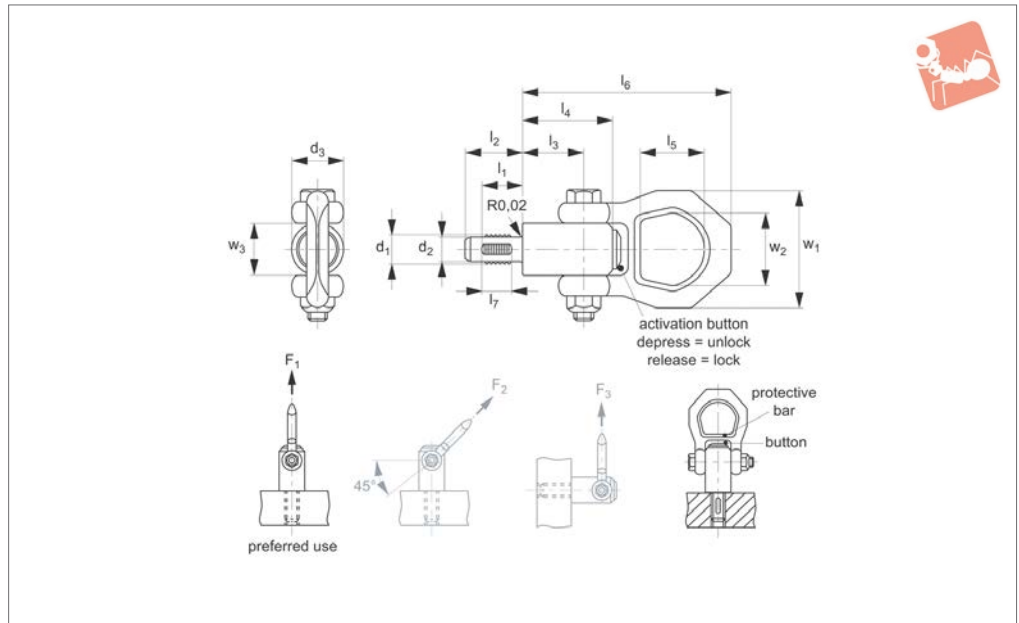
Order No.	l_6	l_7	w_1	w_2	w_3	F_1 kN	F_2 kN	F_3 kN	Locating thread
33430.W0008	87.5	8	49	30.0	21.5	2.1	0.9	0.8	M 8
33430.W0010	87.5	10	49	30.0	21.5	3.9	1.5	1.5	M10
33430.W0012	87.5	12	49	30.0	21.5	6.2	2.5	2.3	M12
33430.W0014	87.5	12	49	30.0	21.5	7.8	4.2	2.9	M14
33430.W0016	87.5	12	49	30.0	21.5	8.4	4.5	4.2	M16
33430.W0020	114.0	17	56	36.0	30.0	16.6	7.7	5.8	M20
33430.W0024	152.0	22	82	49.8	36.0	23.0	11.1	8.6	M24
33430.W0027	152.0	26	82	49.8	36.0	33.8	15.7	13.7	M27
33430.W0030	152.0	30	82	49.8	36.0	42.3	21.5	15.5	M30
33430.W1008	87.5	8	49	30.0	21.5	2.1	0.9	0.8	M 8
33430.W1010	87.5	10	49	30.0	21.5	3.9	1.5	1.5	M10
33430.W1012	87.5	12	49	30.0	21.5	6.2	2.5	2.3	M12
33430.W1016	87.5	12	49	30.0	21.5	8.4	4.5	4.2	M15
33430.W1020	114.0	17	56	36.0	30.0	16.6	7.7	5.8	M20
33430.W1024	152.0	22	82	49.8	36.0	23.0	11.1	8.6	M24

QUICK LIFT PINS





3B430



Material

Steel:

Pin: heat-treated steel, tempered, manganese phosphated.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: steel, heat-treated, tempered, manganese phosphated.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Stainless steel:

Pin: stainless steel 1.4542, (AISI 630) precipitation hardened.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: stainless steel 1.45471.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Technical Notes

To suit inch coarse threads, tolerance g6.

CE marked. Both types are corrosion protected. The stainless steel pin is resistant to corrosion and weathering, so suitable for external use.
The instruction manual and CE Declaration of Conformity are included.
 F_1^* and F_3^* values are inscribed on the body for reference. F values are calculated on 5 x safety factor.
Depress button: to unlock.
Release button: to lock.
Max temp. 482°F 250°C.

Tips

The pin is ideally used for single point straight up lifts. The bottom face of the pin must be in full contact with the part to be lifted. The pin can also be used with forces F_2 and F_3 after ensuring that the shackle direction is aligned to the direction of the pull. The preferred part for these types of lifts is part 33425, which has a double

swivel function.

Before use: read instruction manual, and data sheets follow standard safe lifting procedures.

Important Notes

The threaded pin must be completely screwed into the thread and tightened to specified tightening torque and bear completely on the bearing surface. Quick and easy to use. The shackle pivots. The protective bar prevents unintentional unlocking by a hook or similar.
Use recommended mainly for direct upwards lift (F_1) as the shackle should be aligned to the direction of lift. Other pins (33425) have a swivel bearing to align shackle.

Rotation of loads must be prevented.

Dimensions in inches

Order No.	Type	l_1	d_1	d_2 inch -0.0028	d_3	l_2	l_3	l_4	Weight lb
3B430.W0012	Steel	0.67	1/2"-13	0.42	0.85	0.95	1.01	1.42	0.5
3B430.W0020	Steel	0.87	3/4"-10	0.64	1.18	1.18	1.44	2.05	1.1
3B430.W0024	Steel	1.06	1"-8	0.86	1.42	1.42	1.65	2.36	2.6
3B430.W1012	Stainless Steel	0.67	1/2"-13	0.42	0.85	0.95	1.01	1.42	0.5
3B430.W1020	Stainless Steel	0.87	3/4"-10	0.64	1.18	1.18	1.44	2.05	1.1
3B430.W1024	Stainless Steel	1.06	1"-8	0.86	1.42	1.42	1.65	2.36	2.7

Order No.	l_5	l_6	l_7	w_1	w_2	w_3	F_1 lbf	F_2 lbf	F_3 lbf	Locating thread
3B430.W0012	1.06	3.45	0.47	1.93	1.18	0.85	1528	764	607	1/2"-13
3B430.W0020	1.28	4.49	0.67	2.21	1.42	1.18	3619	1731	1281	3/4"-10
3B430.W0024	1.99	5.98	0.87	3.23	1.96	1.42	6766	3147	2225	1"-8



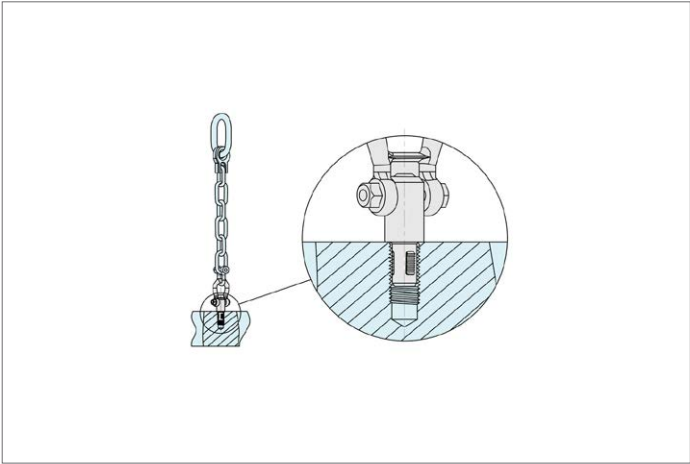
Quick Lift Pins - Threaded

inch



Quick Lift Pins

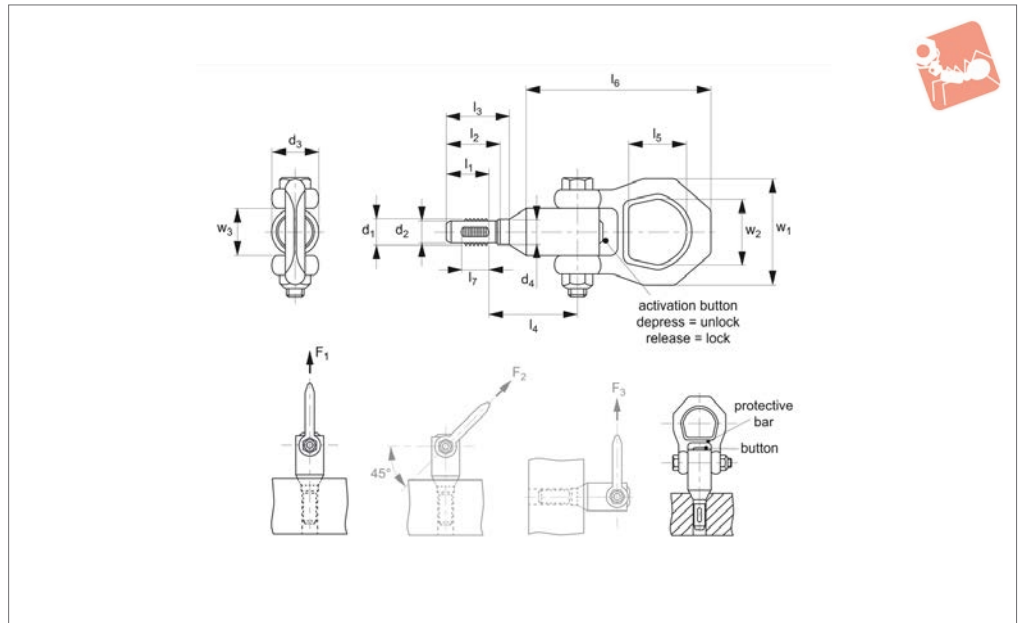
Order No.	l_5	l_6	l_7	w_1	w_2	w_3	F_1 lbf	F_2 lbf	F_3 lbf	Locating thread
3B430.W1012	1.06	3.45	0.47	1.93	1.18	0.85	1528	764	607	1/2"-13
3B430.W1020	1.28	4.49	0.67	2.21	1.42	1.18	3619	1731	1281	3/4"-10
3B430.W1024	1.99	5.98	0.87	3.23	1.96	1.42	6766	3147	2225	1"-8



QUICK LIFT PINS



33435



Material

Steel:

Pin: heat-treated steel, tempered, manganese phosphated.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: steel, heat-treated, tempered, manganese phosphated.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Stainless steel:

Pin: stainless steel 1.4542, (AISI 630) precipitation hardened.
Threaded element: stainless steel 1.4542, (AISI 630) precipitation hardened.
Shackle: stainless steel 1.45471.
Press button: aluminium, orange anodised.
Spring: stainless steel.

Technical Notes

To suit metric coarse threads, tolerance g6.

CE marked. Both types are corrosion protected. The stainless steel pin is resistant to corrosion and weathering, so suitable for external use.
The instruction manual and CE Declaration of Conformity are included.
 F_1^* and F_3^* values are inscribed on the body for reference. F values are calculated on 5 x safety factor.
Depress button: to unlock.
Release button: to lock.
Max temp. 250°C.

Tips

For holes with counterbore to DIN 332. The pin is ideally used for single point straight up lifts. The bottom face of the pin must be in full contact with the part to be lifted. The pin can also be used with forces F_2 and F_3 after ensuring that the shackle direction is aligned to the direction of the pull. The preferred part for these types of

lifts is part 33425, which has a double swivel function.

Before use: read instruction manual, and data sheets follow standard safe lifting procedures.

Important Notes

The threaded pin must be completely screwed into the thread and tightened to specified tightening torque and bear completely on the bearing surface. Quick and easy to use. The shackle pivots. The protective bar prevents unintentional unlocking by a hook or similar.
Use recommended mainly for direct upwards lift (F_1) as the shackle should be aligned to the direction of lift. Other pins (33425) have a swivel bearing to align shackle.

Rotation of loads must be prevented.

Order No.	Type	l_1	d_1	d_2 -0.07	d_3	d_4	l_2	l_3	l_4	Weight g
33435.W2010	Steel	16.0	M10	8.4	21.5	10.2	20.0	22.9	36.4	234
33435.W2012	Steel	19.0	M12	10.1	21.5	12.7	24.0	28.1	39.1	249
33435.W2016	Steel	19.0	M16	13.8	21.5	16.7	25.0	30.5	42.3	271
33435.W2020	Steel	25.0	M20	17.8	30.0	20.7	31.8	39.1	53.7	554
33435.W2024	Steel	31.0	M24	20.7	36.0	24.7	38.9	47.3	61.4	1234
33435.W3010	Stainless Steel	16.0	M10	8.4	21.5	10.2	20.0	22.9	36.4	235
33435.W3012	Stainless Steel	19.0	M12	10.1	21.5	12.7	24.0	28.1	39.1	248
33435.W3016	Stainless Steel	19.0	M16	13.8	21.5	16.7	25.0	30.5	42.3	269
33435.W3020	Stainless Steel	25.0	M20	17.8	30.0	20.7	31.8	39.1	53.7	555
33435.W3024	Stainless Steel	31.0	M24	20.7	36.0	24.7	38.9	47.3	61.4	1264

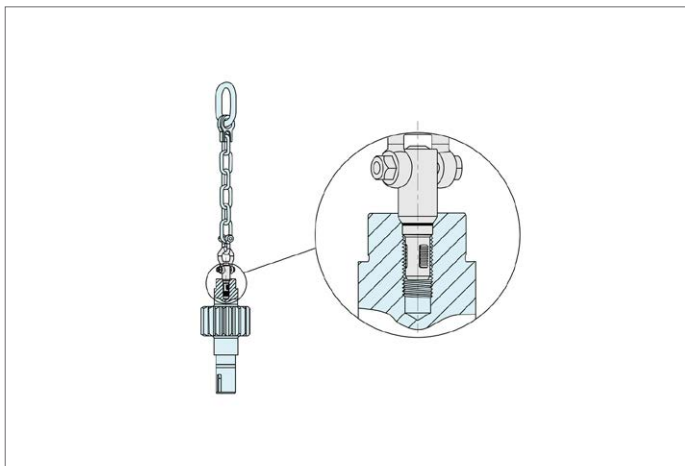


Quick Lift Pins - Threaded with centering - metric

Quick Lift Pins

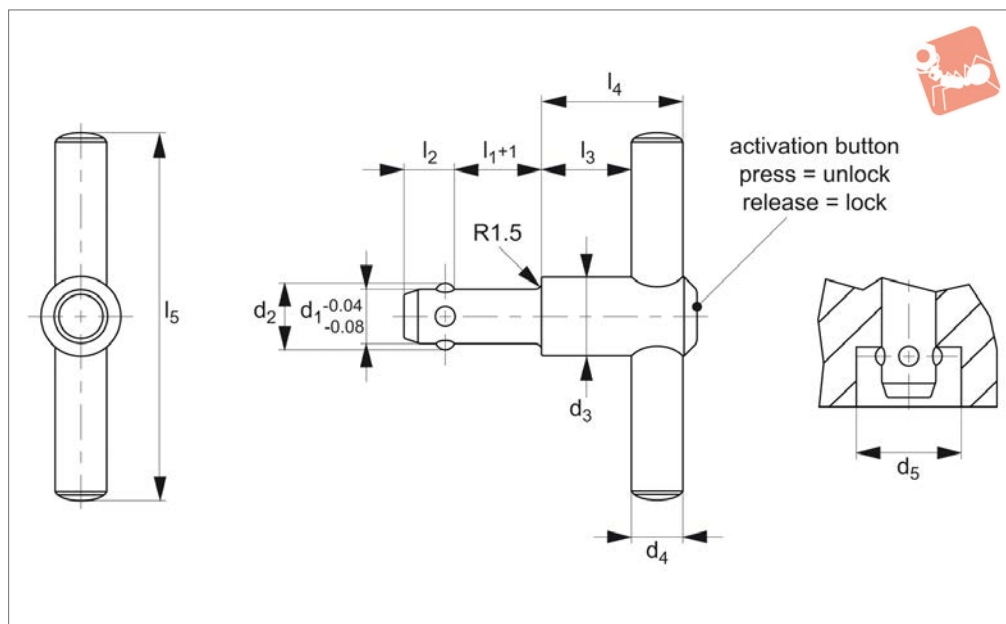


Order No.	l_5	l_6	l_7	w_1	w_2	w_3	F_1 kN	F_2 kN	F_3 kN	Locating thread
33435.W2010	27.0	83.6	10	49	30.0	21.5	3.9	1.5	1.5	M10
33435.W2012	27.0	84.3	12	49	30.0	21.5	6.2	2.5	2.3	M12
33435.W2016	27.0	88.5	12	49	30.0	21.5	8.4	4.5	4.2	M16
33435.W2020	32.6	109.2	17	56	36.0	30.0	16.6	7.7	5.8	M20
33435.W2024	50.6	145.4	22	82	49.8	36.0	23.0	11.1	8.6	M24
33435.W3010	27.0	83.6	10	49	30.0	21.5	3.9	1.5	1.5	M10
33435.W3012	27.0	84.3	12	49	30.0	21.5	6.2	2.5	2.3	M12
33435.W3016	27.0	88.5	12	49	30.0	21.5	8.4	4.5	4.2	M16
33435.W3020	32.6	109.2	17	56	36.0	30.0	10.0	7.7	5.8	M20
33435.W3024	50.6	145.4	22	82	49.8	36.0	23.0	11.1	8.6	M24





33424



Material

Pin: Stainless steel 1.4542, (AISI 630)
precipitation hardened.

Handle: Aluminium, blue anodised

Spring: Stainless Steel

Releasing= Locking.

Easy installation with plain drilled hole to
H11 tolerance

Temperature resistance up to 250° C

finished components, work holding

systems, speakers and other containers.

Corrosion and weathering resistant, thus
also suitable for outdoor application.

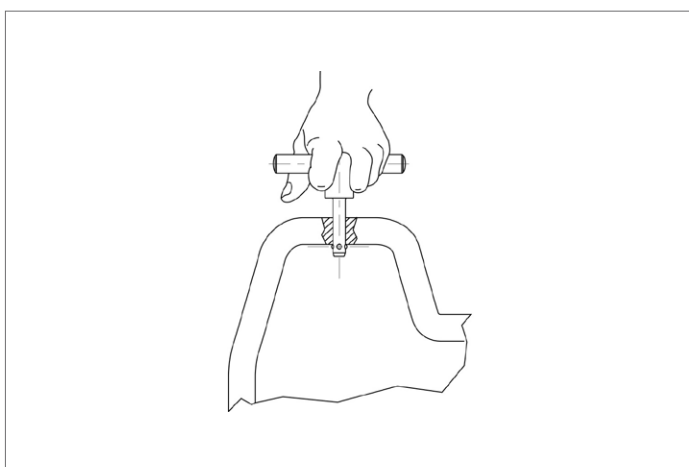
Technical Notes

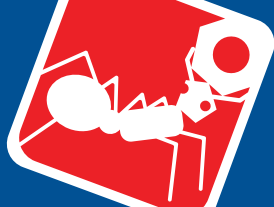
Pressing= Unlocking.

Tips

The t-handled grip can be used to move or
transport workpieces via hand, e.g. part

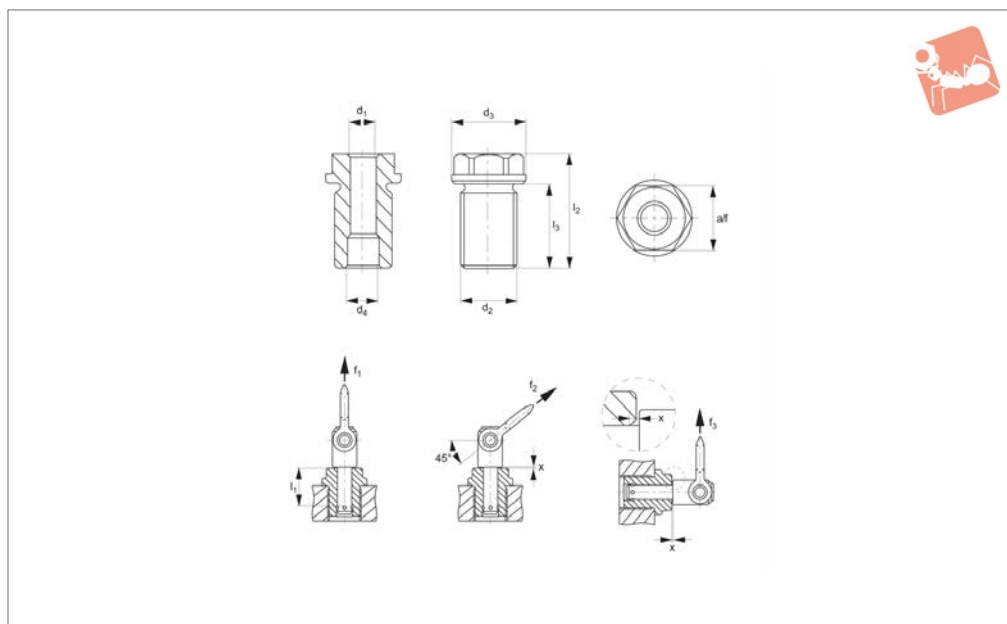
Order No.	d_1 -0.04 -0.08	l_1 +1	d_2	d_3	d_4	d_5 min.	l_2	l_3	l_4	l_5	Carrying force N	Location hole tol. H11	Weight g
33424.W0005	8.0	35	9.35	21.5	14	9.85	8.75	18.7	36.0	100	500	8.0	141
33424.W0010	8.3	35	9.65	21.5	14	10.05	8.75	18.7	36.0	100	500	8.3	142
33424.W0015	10.0	50	11.70	21.5	14	12.20	10.20	18.7	36.5	100	500	10.0	159
33424.W0020	12.0	50	14.20	21.5	14	14.70	11.00	18.7	36.5	100	500	12.0	177





Locating Bushes - for Quick Lift Pins

Quick Lift Pins



33440

QUICK LIFT PINS

Material

Body: stainless steel 1.4542 (AISI 630), precipitation hardened.

Technical Notes

Locating bushes are used for quick and safe locating of lifting pins 33400 and 33420.

Provides easy and safe assembly, and can be incorporated into a variety of materials. Can be used in thin-walled parts and in blind holes.

Important Notes

Lifting forces f_1 to f_3 , have a 5 fold in-built

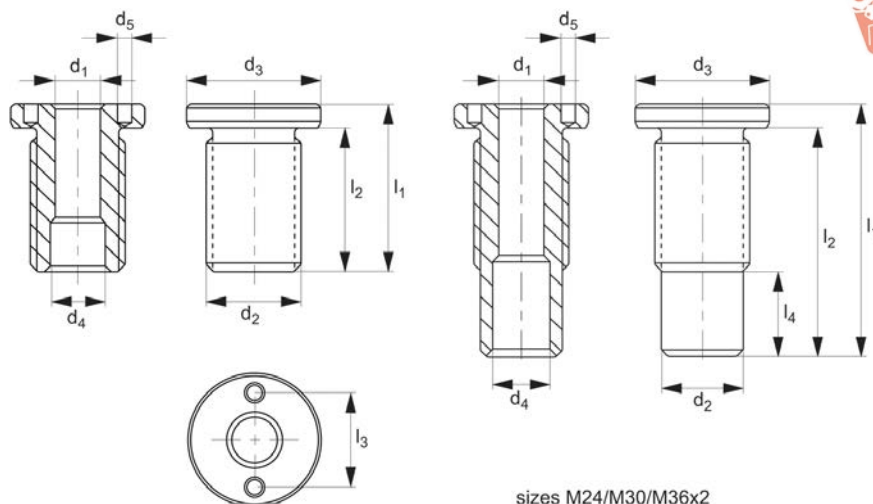
safety factor.

Due to the radius on the underside of the lifting face, please ensure $x_{min.}$ is $x_{max.}$ to avoid stress on pin when used as angle lift. See product table for details.

Order No.	For pin length	d ₁ tol. H11	d ₂	d ₃ -0.2	d ₄ +0.3	l ₂	l ₃	A/F	x max.	F ₁ kN	F ₂ kN	F ₃ kN	Starting torque Nm max.	For lifting pin 33400/33420	Weight g
33440.W0900	10	8	M16x1,5	24	9,8	27,5	20	19	1,5	1,5	1,2	0,5	90	.W0601/.W0701	32
33440.W0902	15	8	M16x1,5	24	9,8	27,5	20	19	1,5	1,5	1,2	0,5	90	.W0602/.W0702	33
33440.W0904	25	8	M16	24	9,8	37,5	25	19	1,5	1,5	1,2	0,5	75	.W0604/.W0704	46
33440.W0906	35	8	M16	24	9,8	47,5	35	19	1,5	1,5	1,2	0,5	75	.W0606/.W0706	55
33440.W0910	15	10	M20x1,5	28	12,2	35,5	24	24	1,0	2,7	2,4	2,1	145	.W0621/.W0721	70
33440.W0912	25	10	M20x1,5	28	12,2	35,5	24	24	1,0	2,7	2,4	2,1	145	.W0623/.W0723	73
33440.W0914	35	10	M20	28	12,2	46,0	29	24	1,0	2,7	2,4	2,1	130	.W0625/.W0725	93
33440.W0916	50	10	M20	28	12,2	65,0	49	24	1,0	2,7	2,4	2,1	130	.W0627/.W0727	117
33440.W0920	15	12	M24x1,5	32	14,7	35,5	24	27	1,0	3,5	3,2	2,8	220	.W0631/.W0731	94
33440.W0922	25	12	M24x1,5	32	14,7	36,5	24	27	1,0	3,5	3,2	2,8	220	.W0633/.W0733	102
33440.W0924	35	12	M24	32	14,7	48,5	36	27	1,0	3,5	3,2	2,8	200	.W0635/.W0735	119
33440.W0926	50	12	M24	32	14,7	72,5	60	27	1,0	3,5	3,2	2,8	200	.W0637/.W0737	164
33440.W0930	25	16	M30x2,0	39	19,2	44,0	29	30	1,0	4,8	4,5	4,1	440	.W0641/.W0741	163
33440.W0934	50	16	M30	39	19,2	66,0	44	30	1,0	4,8	4,5	4,1	400	.W0643/.W0743	236
33440.W0936	75	16	M30	39	19,2	96,0	74	30	1,0	4,8	4,5	4,1	400	.W0645/.W0745	323
33440.W0954	50	20	M36x2,0	43	26,0	70,0	55	36	1,5	10,0	8,5	6,5	440	.W0673/.W0773	366
33440.W0956	75	20	M36x2,0	43	26,0	95,0	80	36	1,5	10,0	8,5	6,5	440	.W0673/.W0775	503



33442



sizes M24/M30/M36x2

Material

Stainless steel 1.4542, (AISI 630) precipitation hardened.

Technical Notes

Suitable for applications which require installation flush to the surface.
These are used for quick and safe locating

of lifting pins.

Corrosion and abrasion resistant.
Reference „l‘ indicates nominal length lifting pin grip length to suit the bush.
See lifting pin ranges 33400 & 33420.

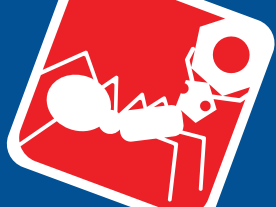
Important Notes

Alternative installation tools are available.

See part no. 94000.W0061 for 33442.W1900 to W1906
or 94000.W0063 for 33442.W1910 to W1956

Order No.	For pin dia. d ₁ nom.	For pin length nom.	d ₁ tol. H11	d ₂	d ₃ -0.2	d ₄ +0.3	Weight g
33442.W1900	8	10	8	M16 x 1,5	24	9.8	33
33442.W1902	8	15	8	M16 x 1,5	24	9.8	33
33442.W1904	8	25	8	M16	24	9.8	33
33442.W1906	8	35	8	M16	24	9.8	33
33442.W1910	10	15	10	M20 x 1,5	28	12.2	70
33442.W1912	10	25	10	M20 x 1,5	28	12.2	70
33442.W1914	10	35	10	M20	28	12.2	70
33442.W1916	10	50	10	M20	28	12.2	70
33442.W1920	12	15	12	M24 x 1,5	32	14.7	94
33442.W1922	12	25	12	M24 x 1,5	32	14.7	94
33442.W1924	12	35	12	M24	32	14.7	94
33442.W1926	12	50	12	M24	32	14.7	94
33442.W1930	16	25	16	M30 x 2	39	19.2	163
33442.W1934	16	50	16	M30	39	19.2	163
33442.W1936	16	75	16	M30	39	19.2	163
33442.W1954	20	50	20	M36 x 2	43	26.0	340
33442.W1956	20	75	20	M36 x 2	43	26.0	340
33442.W9095	Inst. adapter for socket wrench for 33442.W1900 to .W1906		-	-	-	-	-
33442.W9096	Inst. adapter for socket wrench for 33442.W1910 to .W1916		-	-	-	-	-
33442.W9097	Inst. adapter for socket wrench for 33442.W1920 to .W1926		-	-	-	-	-
33442.W9098	Inst. adapter for socket wrench for 33442.W1930 to .W1956		-	-	-	-	-

Order No.	d ₅ +0.1	l ₁	l ₂	l ₃	l ₄	x mm	F ₁ kN	F ₂ kN	F ₃ kN	Tightening torque max.	For lifting pin 33400	For lifting pin 33420
33442.W1900	3.1	25	20	16	-	1.5	1.5	1.2	0.5	75	33400.W0601	33420.W0701
33442.W1902	3.1	25	20	16	-	1.5	1.5	1.2	0.5	75	33400.W0602	33420.W0702
33442.W1904	3.1	35	30	16	-	1.5	1.5	1.2	0.5	75	33400.W0604	33420.W0704
33442.W1906	3.1	45	40	16	-	1.5	1.5	1.2	0.5	75	33400.W0606	33420.W0706
33442.W1910	5.1	30	24	20	-	1.5	2.7	2.4	2.1	100	33400.W0621	33420.W0721
33442.W1912	5.1	35	29	20	-	1.5	2.7	2.4	2.1	100	33400.W0623	33420.W0723



Locating Bushes, Plain

for quick lift pins no.'s 33400 and 33420

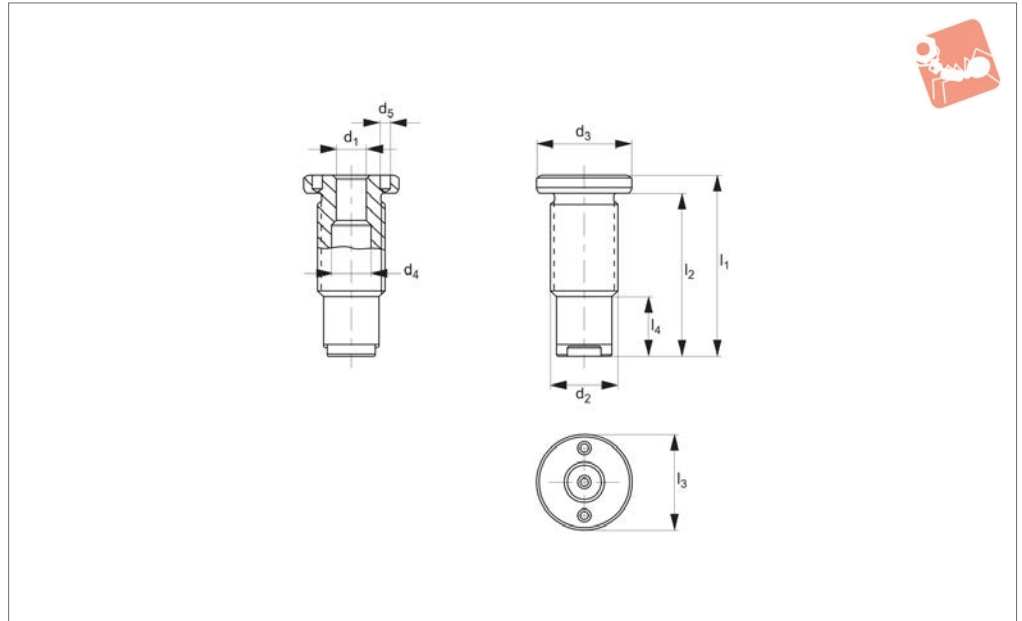
Quick Lift Pins

Order No.	d ₅ +0.1	l ₁	l ₂	l ₃	l ₄	x mm	F ₁ kN	F ₂ kN	F ₃ kN	Tightening torque max.	For lifting pin 33400	For lifting pin 33420
33442.W1914	5.1	45	39	20	-	1.5	2.7	2.4	2.1	100	33400.W0625	33420.W0725
33442.W1916	5.1	60	54	20	-	1.5	2.7	2.4	2.1	100	33400.W0627	33420.W0727
33442.W1920	5.1	32	26	22	-	1.5	3.5	3.2	2.8	150	33400.W0631	33420.W0731
33442.W1922	5.1	40	34	22	-	1.5	3.5	3.2	2.8	150	33400.W0633	33420.W0733
33442.W1924	5.1	50	44	22	3.8	1.5	3.5	3.2	2.8	150	33400.W0635	33420.W0735
33442.W1926	5.1	65	59	22	18.8	1.5	3.5	3.2	2.8	150	33400.W0637	33420.W0737
33442.W1930	5.1	45	39	30	-	1.5	4.8	4.5	4.1	200	33400.W0641	33420.W0741
33442.W1934	5.1	65	59	30	6.0	1.5	4.8	4.5	4.1	200	33400.W0643	33420.W0743
33442.W1936	5.1	90	84	30	31.0	1.5	4.8	4.5	4.1	200	33400.W0645	33420.W0745
33442.W1954	5.1	70	63	30	3.5	1.5	10.0	8.5	6.5	200	33400.W0673	33420.W0773
33442.W1956	5.1	95	88	30	28.5	1.5	10.0	8.5	6.5	200	33400.W0675	33420.W0775
33442.W9095	-	-	-	-	-	-	-	-	-	-	-	-
33442.W9096	-	-	-	-	-	-	-	-	-	-	-	-
33442.W9097	-	-	-	-	-	-	-	-	-	-	-	-
33442.W9098	-	-	-	-	-	-	-	-	-	-	-	-

QUICK LIFT PINS



33444



Material

Body: stainless steel 1.4542 (AISI 630), precipitation hardened.
O-Ring: NBR rubber.
Spring: stainless steel.

Technical Notes

Ideal for outdoor use as seal prevents

ingress of liquid or dirt. Locating bushes are used for quick and safe locating of lifting pins 33400 and 33420. Provides easy and safe assembly, and can be incorporated into a variety of materials. Can be used in thin-walled parts and in blind holes.

Tips

Installation using:
33442 Instal tool for bushing

Important Notes

Lifting forces f_1 , f_2 , f_3 have a 5 fold in-built safety factor.

Order No.	d_1	d_2	d_3	d_4	d_5	l_1	l_2	l_3	l_4	F_1 kN	F_2 kN	F_3 kN	Tightening torque Nm max.	For lifting pin 33400/33420	Weight g
33444.W1960	8	M16x1,5	24	9,9	3,1	37,5	32,5	16	12,5	1,5	1,2	0,5	75	.W0601/.W0701	40
33444.W1961	10	M20x1,5	28	12,3	5,1	51,0	45,0	20	21,0	2,7	2,4	2,1	100	.W0621/.W0721	82
33444.W1962	12	M24x1,5	32	14,4	5,1	53,0	47,0	22	21,0	3,5	0,2	2,8	150	.W0631/.W0731	125
33444.W1963	16	M30x2,0	39	19,3	5,1	78,0	72,0	30	33,0	4,8	4,5	4,1	200	.W0641/.W0741	252