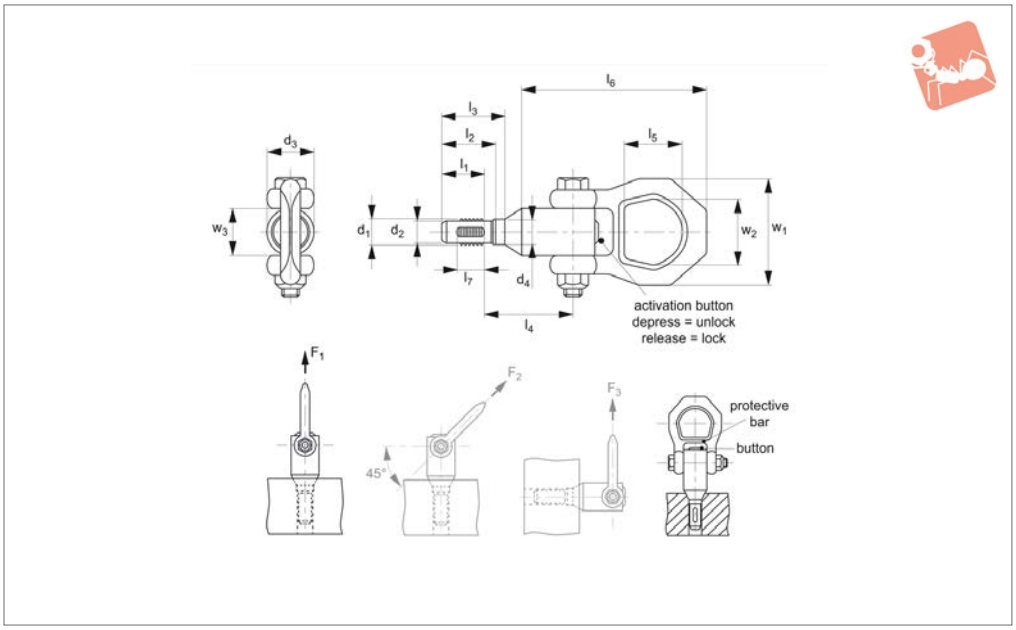
Quick Lift Pins - Threaded
with centering - metric



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

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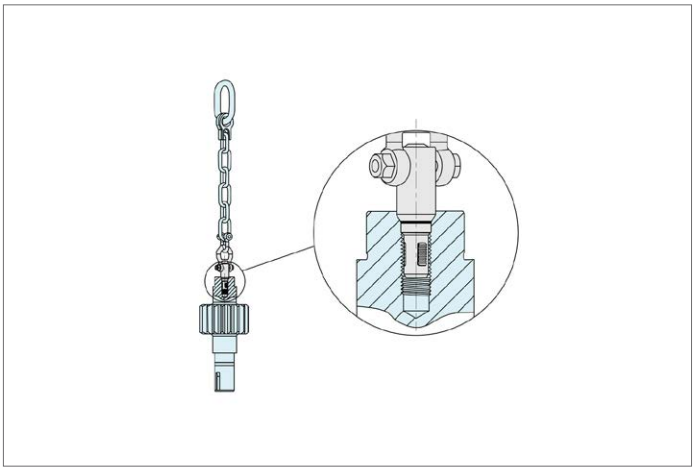
Order No.	l_5	l_6	l_7	w_1	w_2	w_3	F_1 kN	F_2 kN	F_3 kN	Locating thread
33435.W2010	27.0	83.6	10	49	30.0	21.5	3.9	1.5	1.5	M10
33435.W2012	27.0	84.3	12	49	30.0	21.5	6.2	2.5	2.3	M12
33435.W2016	27.0	88.5	12	49	30.0	21.5	8.4	4.5	4.2	M16
33435.W2020	32.6	109.2	17	56	36.0	30.0	16.6	7.7	5.8	M20
33435.W2024	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