


Order No.	d_1 -0,04 -0,08	l_1	d_2	d_3	d_4 min.	l_2	l_3	l_4	l_5	 g
33400.W0601	8,0	10	9,35	21,5	9,85	8,75	25,7	36,0	27,0	218
33400.W0602	8,0	15	9,35	21,5	9,85	8,75	25,7	36,0	27,0	220
33400.W0604	8,0	25	9,35	21,5	9,85	8,75	25,7	36,0	27,0	223
33400.W0606	8,0	35	9,35	21,5	9,85	8,75	25,7	36,0	27,0	226
33400.W0611	8,3	10	9,65	21,5	10,05	8,75	25,7	36,0	27,0	218
33400.W0612	8,3	15	9,65	21,5	10,05	8,75	25,7	36,0	27,0	218
33400.W0614	8,3	25	9,65	21,5	10,05	8,75	25,7	36,0	27,0	223
33400.W0616	8,3	35	9,65	21,5	10,05	8,75	25,7	36,0	27,0	228
33400.W0621	10,0	15	11,70	21,5	12,20	10,20	25,7	36,0	27,0	226
33400.W0623	10,0	25	11,70	21,5	12,20	10,20	25,7	36,0	27,0	238
33400.W0625	10,0	35	11,70	21,5	12,20	10,20	25,7	36,0	27,0	244
33400.W0627	10,0	50	11,70	21,5	12,20	10,20	25,7	36,0	27,0	252
33400.W0631	12,0	15	14,20	21,5	14,70	11,00	25,7	36,0	27,0	238
33400.W0633	12,0	25	14,20	21,5	14,70	11,00	25,7	36,0	27,0	243
33400.W0635	12,0	35	14,20	21,5	14,70	11,00	25,7	36,0	27,0	251
33400.W0637	12,0	50	14,20	21,5	14,70	11,00	25,7	36,0	27,0	268
33400.W0651	13,8	25	16,20	21,5	16,70	13,00	25,7	36,0	27,0	251
33400.W0653	13,8	50	16,20	21,5	16,70	13,00	25,7	36,0	27,0	279
33400.W0655	13,8	75	16,20	21,5	16,70	13,00	25,7	36,0	27,0	309
33400.W0641	16,0	25	18,60	25,0	19,20	15,10	31,0	44,5	27,0	312
33400.W0643	16,0	50	18,60	25,0	19,20	15,10	31,0	44,5	27,0	353
33400.W0645	16,0	75	18,60	25,0	19,20	15,10	31,0	44,5	27,0	388
33400.W0673	20,0	50	24,50	30,0	25,00	19,70	36,5	52,0	32,6	607
33400.W0675	20,0	75	24,50	30,0	25,00	19,70	36,5	52,0	32,6	666

Material

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

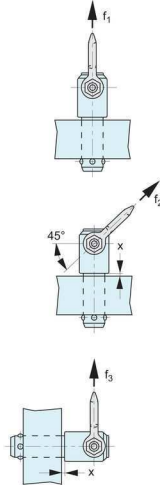
Supplied with TUV test certificate of manufacturing process. Parts not individually tested.



Order No.	l_6	l_7	l_8	x min.	x max.	Location hole H11	f_1^* kN.	f_2^* kN.	f_3^* kN.
33400.W0601	30	49	87,5	1,5	5	8,0	1,5	1,2	0,5
33400.W0602	30	49	87,5	1,5	10	8,0	1,5	1,2	0,5
33400.W0604	30	49	87,5	1,5	15	8,0	1,5	1,2	0,5
33400.W0606	30	49	87,5	1,5	15	8,0	1,5	1,2	0,5
33400.W0611	30	49	87,5	1,5	5	8,3	1,5	1,2	0,5
33400.W0612	30	49	87,5	1,5	10	8,3	1,5	1,2	0,5
33400.W0614	30	49	87,5	1,5	15	8,3	1,5	1,2	0,5
33400.W0616	30	49	87,5	1,5	15	8,3	1,5	1,2	0,5
33400.W0621	30	49	87,5	1,5	10	10,0	2,7	2,4	2,1
33400.W0623	30	49	87,5	1,5	10	10,0	2,7	2,4	2,1
33400.W0625	30	49	87,5	1,5	10	10,0	2,7	2,4	2,1
33400.W0627	30	49	87,5	1,5	10	10,0	2,7	2,4	2,1
33400.W0631	30	49	87,5	1,5	10	12,0	3,5	3,2	2,8
33400.W0633	30	49	87,5	1,5	15	12,0	3,5	3,2	2,8
33400.W0635	30	49	87,5	1,5	15	12,0	3,5	3,2	2,8
33400.W0637	30	49	87,5	1,5	15	12,0	3,5	3,2	2,8
33400.W0651	30	49	87,5	1,5	15	13,8	3,8	3,5	2,8
33400.W0653	30	49	87,5	1,5	35	13,8	3,8	3,5	2,8
33400.W0655	30	49	87,5	1,5	35	13,8	3,8	3,5	2,8
33400.W0641	30	49	92,8	1,5	15	16,0	4,8	4,5	4,1



Order No.	l ₆	l ₇	l ₈	x min.	x max.	Location	f ₁ *	f ₂ *	f ₃ *
						hole	kN.	kN.	kN.
33400.W0643	30	49	92,8	1,5	35	H11 16,0	4,8	4,5	4,1
33400.W0645	30	49	92,8	1,5	40	16,0	4,8	4,5	4,1
33400.W0673	36	56	114	1,5	25	20,0	20,0	8,5	6,5
33400.W0675	36	56	114	1,5	25	20,0	20,0	8,5	6,5



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°.

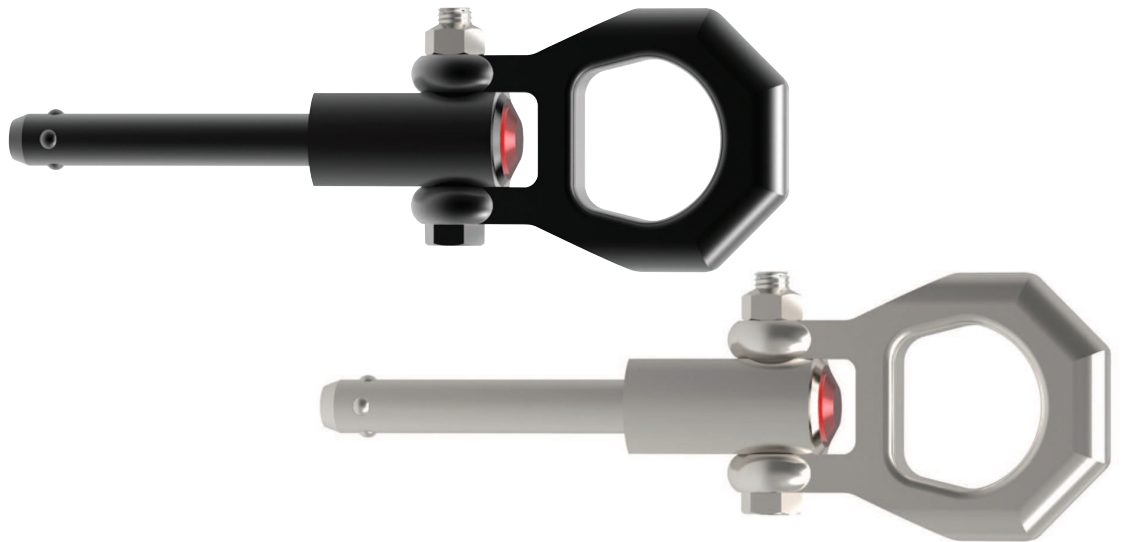
Important Notes

* 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.

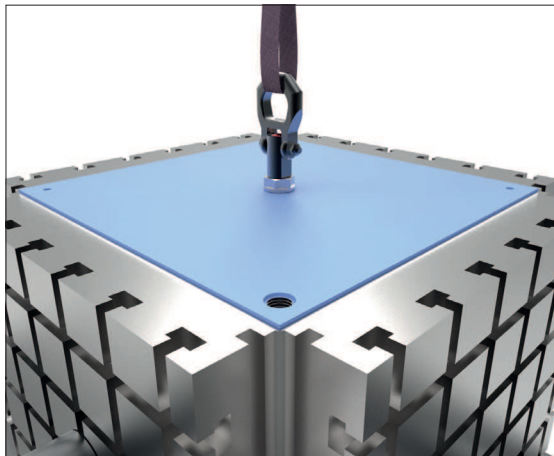


33400
-33420

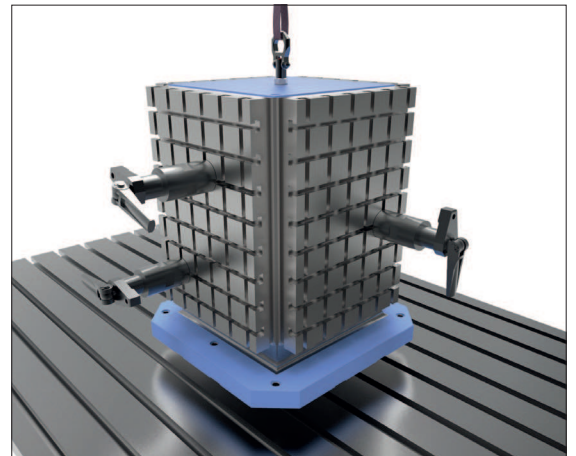
Lifting Pins
applications



Simple, safe, strong



Simple...



Safe...



Ergonomic...

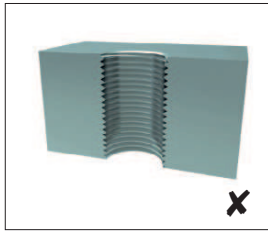


Multifunctional...

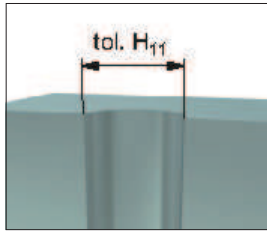


Quick and easy to use with every load

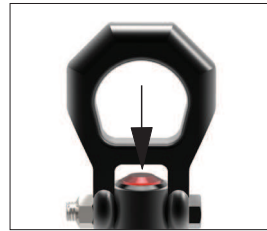
Do you find threaded lifting shackles time consuming to install?
Frustrated with numerous lifting threads in the machine shop?
Looking for a simple but reliable alternative?
Then standardise your machine shop lifting to our self-locking lifting pins – CE marked and TUV certified.



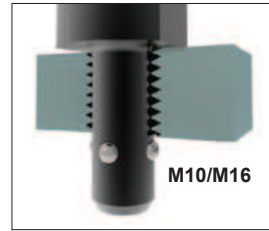
No more threads



Simple plain bore



Press = unlock and fit
Release = lock and lift

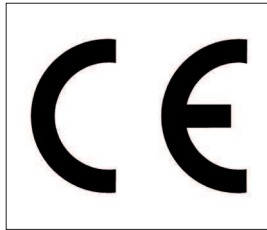


Compatible with some pre-threaded holes:
Ø8,3 for M10 threaded hole
Ø13,8 for M16 threaded hole

Simple



Production monitored, type tested



Fully CE marked

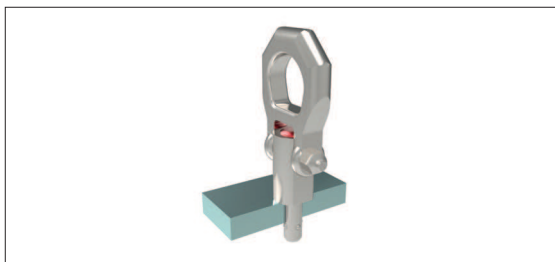


Five-fold safety factor

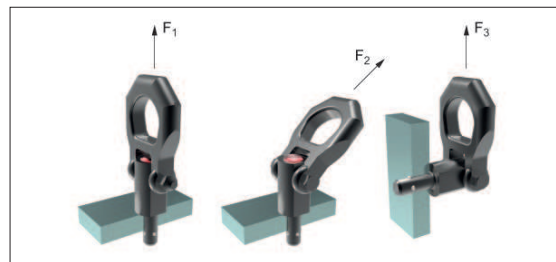


Shackle barrier - prevents accidental actuation

Safe

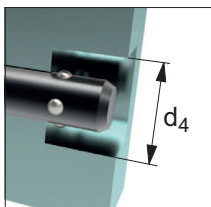


Up to 480 Kg with five-fold safety factor

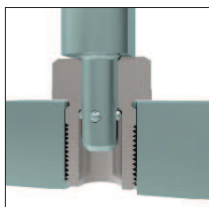


Lift vertically, 45° or 90° - see specific product tables for exact lifting capacities

Strong



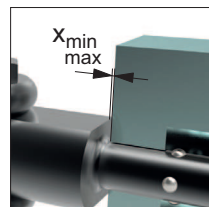
To ensure full clearance for secure engagement of bearings, the minimum clearance d_4 is required in material - see product tables.



For some softer materials such as aluminium, or where there is regular and repeated use, we recommend our hardened locating bushes or liners.



We also proved a stainless steel model for occasional outdoor use. It is not intended for permanent or long term exposure to the outdoor environment or conditions.



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



Fully TUV production monitored, type tested and CE marked. However, products are not individually tested or certified. See parts 63020 for lifting products offering this type of individual certification.

Important notes