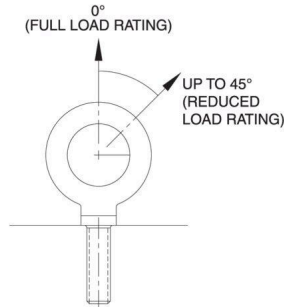
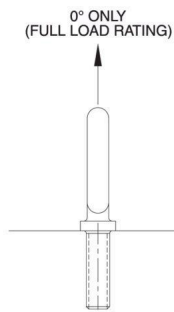
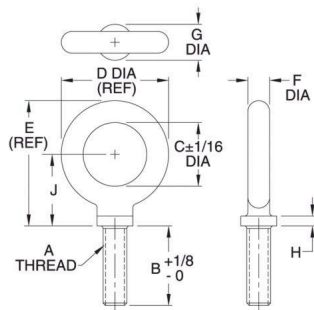


LIFTING EYES

STEEL: FORGED CARBON STEEL, QUENCHED AND DRAWN, PLAIN FINISH
STAINLESS STEEL: FORGED 316 STAINLESS STEEL, PASSIVATED AND ELECTROPOLISHED



Angular lifting at up to 45° is allowable in this direction (plane of the eye) but load rating is reduced.



Only straight lifting is allowable in this direction.

Lifting Eyes are forged steel eyebolts with an integral shoulder for greater strength. These simple, economical lifting devices are suitable for vertical lifting in-line with the threaded bolt, such as when lifting from a single point or from two points with a spreader bar. For lifting at an angle, Swivel Hoist Rings should be used instead. Manufactured and tested according to ASTM A489 and ANSI B18.15 specifications. Safety factor = 5:1. Made in USA.

Lifting Eyes should be inspected before each use for possible defects and installed by a person trained in the installation of lifting devices. The tapped receiving hole should be countersunk, free of any debris, and deep enough to ensure proper shoulder seating. Firm hand tightening is recommended for installation; do not use wrenches or bars. Angular lifting should be avoided, because angular lifts significantly reduce rated capacity. Any angular loads must be radial in the plane of the eye, never at an angle to that plane. A steel washer or shim may be used under the shoulder to achieve proper eye orientation, but its thickness should not exceed one thread pitch. A washer may also be required to ensure flush seating on rough mounting surfaces.

Do not exceed rated load capacity. Maximum load rating applies to straight vertical lifting only. Lifting at an angle reduces load rating significantly – see table below for reduced load rating at 45° (this reduced rating should be used for any lift other than at 0° vertical). Do not work, stand, or crawl near the load of a Lifting Eye. Do not use a Lifting Eye to lift a load that can rotate; Swivel Hoist Rings should be used for such loads. Do not shock load Lifting Eyes; instead gradually increase lifting of the load to minimize load shock. Do not force hooks or any other fittings into the eye; they must fit freely. Do not weld or machine Lifting Eyes, or perform any repair. Do not expose Lifting Eyes to extreme temperatures or environmental conditions, as this may permanently reduce load capacity. Periodic inspection of installed Lifting Eyes is highly recommended. **INFO+** Also see general Hoist Ring Safety Precautions on page 71.

STEEL (INCH)

PART NO.	A THREAD	B	C DIA	D DIA	E	F DIA	G DIA	H	J	LOAD RATING (lbs)	
										0°	45°
CL-4-LE	1/4-20	1	3/4	1-3/16	1-11/32	7/32	17/32	5/32	3/4	500	125
CL-5-LE	5/16-18	1-1/8	7/8	1-7/16	1-21/32	9/32	19/32	5/32	15/16	900	225
CL-6-LE	3/8-16	1-1/4	1	1-11/16	1-31/32	11/32	21/32	5/32	1-1/8	1300	325
CL-8-LE	1/2-13	1-1/2	1-3/16	2-1/8	2-7/16	15/32	29/32	7/32	1-3/8	2400	600
CL-10-LE	5/8-11	1-3/4	1-3/8	2-9/16	2-15/16	19/32	1-1/32	9/32	1-21/32	4000	1000
CL-12-LE	3/4-10	2	1-1/2	2-13/16	3-7/32	21/32	1-3/16	9/32	1-13/16	5000	1250
CL-16-LE	1"-8	2-1/2	1-3/4	3-9/16	4-3/32	29/32	1-9/16	13/32	2-5/16	9000	2250

STAINLESS STEEL (INCH)

CL-4-LE-316S	1/4-20	1	3/4	1-3/16	1-11/32	7/32	17/32	5/32	3/4	500	125
CL-5-LE-316S	5/16-18	1-1/8	7/8	1-7/16	1-21/32	9/32	19/32	5/32	15/16	900	225
CL-6-LE-316S	3/8-16	1-1/4	1	1-11/16	1-31/32	11/32	21/32	5/32	1-1/8	1300	325
CL-8-LE-316S	1/2-13	1-1/2	1-3/16	2-1/8	2-7/16	15/32	29/32	7/32	1-3/8	2400	600
CL-10-LE-316S	5/8-11	1-3/4	1-3/8	2-9/16	2-15/16	19/32	1-1/32	9/32	1-21/32	4000	1000

STEEL (METRIC)

PART NO.	A THREAD	THREAD PITCH (mm)	B (mm)	C DIA (mm)	D DIA (mm)	E (mm)	F DIA (mm)	G DIA (mm)	H (mm)	J (mm)	LOAD RATING (kg)	
											0°	45°
CLM-6-LE	M6	1	25.4	19	30	34	5.5	14	4	19	210	50
CLM-8-LE	M8	1.25	31.5	25	43	48	9	17	4	26	500	125
CLM-10-LE	M10	1.5	35	27	46	55	9.5	20	4	32	740	185
CLM-12-LE	M12	1.75	38	30	54	62	12	23	5.5	35	1030	255
CLM-16-LE	M16	2	44.5	35	65	76	15	26	7	44	1600	400

HOIST EYE 360°

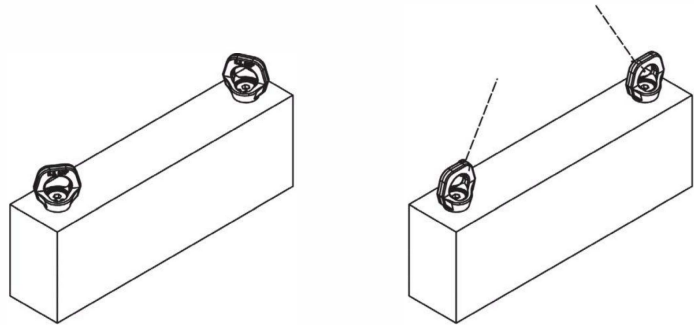
BODY: HIGH-STRENGTH FORGED ALLOY STEEL, HIGH-VISIBILITY POWDER-COAT FINISH
BOLT: HIGH-STRENGTH ALLOY STEEL, CORROSION-RESISTANT PLATING
RETAINING RING: SPRING STEEL



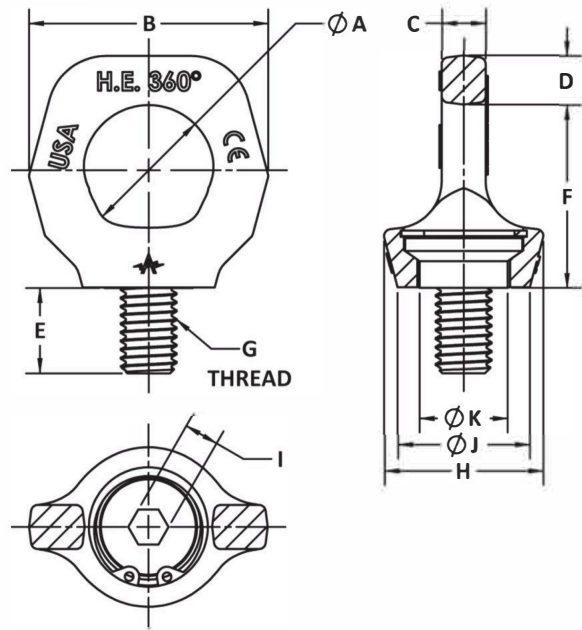
New item!

Hoist Eye 360° is a forged lifting eye that can be rotated 360° after installation, to align with the pulling direction. This compact assembly features a specially designed shoulder bolt, which rotates freely in the precisely machined lifting-eye body and is held captive by a retaining ring. Unlike conventional lifting eyes, Hoist Eye 360° can be used at full rated load capacity when pulling at any angle 0 to 90° from the bolt axis. Available with thread sizes from 3/8-16 to 1"-8. Complies with ASME B30.26 specifications. 200% proof load tested and individually serialized. Safety factor = 5:1. Made in USA.

Please note, Hoist Eye 360° is suitable only for applications where all lifting-eye rotation takes place before lifting begins, with no swivel action occurring while under load. For applications that require swiveling under load, use a Swivel Hoist Ring instead. For permanent installation, tighten by hex wrench to the installation torque listed in the tables below.



These unique lifting-eye assemblies can be rotated freely after installation, to align with the pulling direction.



INCH

PART NO.	LOAD RATING (lbs)	G THREAD	A DIA	B	C	D	E	F	H	I HEX	J DIA	K DIA	INSTALLATION TORQUE (ft-lbs)
CL-71120-HE	880	3/8-16	.96	1.81	.36	.37	.61	1.40	1.19	7/32	1.00	.59	12
CL-71146-HE	1650	1/2-13	1.16	2.14	.39	.44	.76	1.64	1.42	5/16	1.18	.79	28
CL-71160-HE	3000	5/8-11	1.30	2.55	.55	.50	.94	1.94	1.69	3/8	1.38	.94	47
CL-71174-HE	4500	3/4-10	1.50	2.95	.63	.59	1.18	2.30	2.00	1/2	1.65	1.14	84
CL-71198-HE	7050	1"-8	1.84	3.53	.75	.72	1.5	2.82	2.35	5/8	1.97	1.34	230

METRIC

PART NO.	LOAD RATING (kg)	G THREAD	THREAD PITCH	A DIA (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	I HEX (mm)	J DIA (mm)	K DIA (mm)	INSTALLATION TORQUE (Nm)
CLM-71420-HE	400	M10	1.5	24	46	9	9	15	36	30	6	25.4	15	16
CLM-71446-HE	750	M12	1.75	29	54	10	11	19	42	36	8	30	20	38
CLM-71460-HE	1400	M16	2.0	33	65	14	13	24	49	43	10	36	23.7	64
CLM-71474-HE	2000	M20	2.5	38	75	16	15	30	58	51	12	42	28	114