G100 Swivel Load Ring - Long Thread

Grade 100 swivelling lifting point with longer thread - M8 to M36 - 0.3 to 8 tonne W.L.L.



0.3 - 8 tonne — Working load limit (W.L.L.) 13 sizes - see page 2

70 - 279 mm — Thread length M8 to M36 thread sizes

4 : 1 — Safety factor In all loading directions

OVERVIEW

A Grade 100 swivel load ring with a longer thread, for lifting and securing. Once tightened the ring rotates freely through 360° and pivots to line up with the direction of pull, keeping its safety coefficient in every loading direction. It can be fitted into a tapped hole or through a hole with locking nuts.

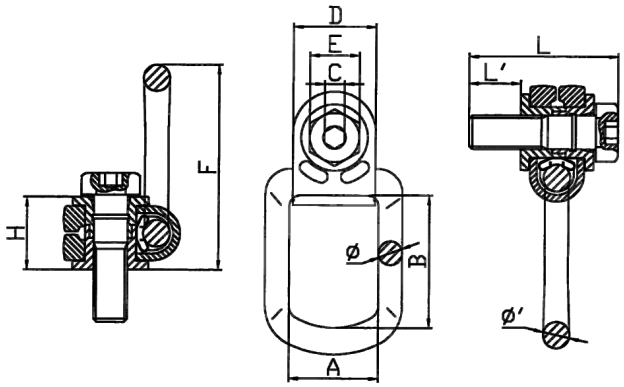
FEATURES & BENEFITS

- **Longer thread** - 70 to 279 mm depending on size
- **Rotates 360° and pivots** for loading in any direction
- **Safety coefficient in all directions**
- **Ideal for lifting or fastening at 90°**
- **High strength steel** - Grade 100
- **Certified** to EN 1677 - supplied fully certified

TYPICAL APPLICATIONS

Manufacturing and fabrication · heavy machinery assembly and maintenance · transport and logistics · ship-building and marine lifting · construction and steel erection

DIMENSIONS



Left: 0° view. Centre and right: 90° views.
L' - thread length. Letters refer to the table on page 2.

Important: Never exceed the W.L.L. marked on the ring. Make sure the material it is fitted to is strong enough to take the lifting forces, align the ring with the direction of pull and never load it towards the bolt. Do not shock load. Do not use where exposed to strong acids, alkalis or other corrosive chemicals.

LIFTIN GEAR

Swivel Load Ring Long Thread - Sizes & Use

Dimensions, torque settings and installation guidance

SIZES & DIMENSIONS

Product code	W.L.L. (tonne)	Breaking load (tonne)	Torque (Nm)	A	B	C	D	E	F	H	L	L'	Ø	Ø'	Weight (kg)
G10-SWIV-RING-8X76	0.3	1.2	20-30	35	52.5	6	30	13	86.5	30	111	76	10	14	0.39
G10-SWIV-RING-10X96	0.63	2.52	50-60	35	52.5	6	30	17	86.5	30	132	96	10	14	0.43
G10-SWIV-RING-12X114	1	4	80-100	40	55	8	36	19	98.3	36	158	114	14	18	0.80
G10-SWIV-RING-16X100	1.5	6	130-150	40	55	10	36	24	98.7	36.4	146	100	14	18	0.85
G10-SWIV-RING-16X149	1.5	6	130-150	40	55	10	36	24	98.7	36.4	195	149	14	18	0.92
G10-SWIV-RING-20X100	2.5	10	220-250	54	80	12	50	30	125.5	43	156	100	14	16	1.32
G10-SWIV-RING-20X187	2.5	10	220-250	54	80	12	50	30	125.5	43	243	187	14	16	1.49
G10-SWIV-RING-24X100	4	16	380-400	54	94	14	50	36	141.5	43	158	100	14	18	1.56
G10-SWIV-RING-24X222	4	16	380-400	54	94	14	50	36	141.5	43	280	222	14	18	1.89
G10-SWIV-RING-30X70	5	20	480-500	73	106	17	68	46	178	65	154	70	23	27	4.38
G10-SWIV-RING-30X279	5	20	480-500	73	106	17	68	46	178	65	363	279	23	27	5.35
G10-SWIV-RING-36X70	7	28	660-700	73	106	22	68	55	178	65	158	70	23	27	4.80
G10-SWIV-RING-36X223	8	32	760-800	94	140.5	22	86	55	225	78	324	223	27	31	8.94

All dimensions in mm, nominal - manufacturing tolerances apply. Breaking load is four times the W.L.L.

INSTALLATION

- Install by a trained, competent person. Once tight, the ring should rotate freely through 360°.
- Tapped holes must be deep enough to support the bearing surface of the load ring, away from edges. The thread must be perpendicular to the surface of the load.
- For through holes with nuts, lock the threads with Loctite or similar, locking nuts or castle nuts and cotter pins.
- For a single lift, hand tighten with a spanner. For long-term use, repeated lifts or turning loads, tighten to the torque setting in the table.

IN USE

- Single leg - fit above the centre of gravity. Two leg - equidistant from it. Three or four leg - symmetrical around it, in the same plane.
- Align the ring with the direction of force before lifting - never apply the load towards the bolt.
- Do not load the ring across a sharp edge, and make sure the hook fits easily without tip loading.
- For in-line loads, make sure the load doesn't spin - this can unscrew the bolt.

Important: Inspect before each use for deformation, cracking, wear, mechanical or heat damage and corrosion, and check the eye moves freely in all directions. Do not modify, weld or repair the ring - withdraw it from service if in any doubt. Keep the lift area clear of people and never leave loads suspended for long periods.