

Operating Instructions & Safety Manual



Swivel Hoist Ring

**Sizes 8mm
through to 48mm**

Note: Operator must read and fully understand the operating instructions before using this product.



www.gtlifting.co.uk

George Taylor & Company Lifting Gear (Midlands) Ltd.
Unit 4, Fryers Road, Walsall WS2 7LZ UK

T +44 (0)1922 490220 **F** +44 (0)1922 490229 **E** office@gtlifting.co.uk

Safety Information



CONTENTS

Safety Information	2-3
Inspection	4
Maintenance	4
Specifications	5
Dimensions	5
W.L.L. Angle Chart	6

WARNING

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator can avoid many accidents by observing the following precautions in this manual. To avoid personal injury, study the following precautions and insist those working with you, or you yourself, follow them.

Replace any Warning or Instruction safety label that is not readable or is missing.

Do not attempt to operate this equipment under the influence of alcohol or drugs. Review safety instructions with all users.

Operator should be a competent person. **DO NOT ALLOW PERSONS TO OPERATE OR ASSEMBLE THIS UNIT UNTIL THEY HAVE DEVELOPED A THOROUGH UNDERSTANDING OF SAFETY PRECAUTIONS AND HOW IT WORKS.**

Never exceed the limit of a life. If it's ability to do a job, or to do so safely is in question - **DON'T TRY IT.**

- After determining the loads on each Lifting Point, select the proper size Lifting Point using the Working Load Limit ratings.
- Drill and tap the work piece to the correct size to a minimum depth of one-half the threaded shank diameter plus the threaded shank length, see rated load limit and torque requirements (table 1).
- Install Lifting Point to recommended torque with a torque wrench making sure the bushing flange meets the load (work piece) surface.
- Never use spacers between the bushing flange and mounting surface.
- Always select a proper load rated lifting device for use with Swivel Lifting Point.
- Attach lifting device ensuring free fit to Lifting Point Ring (Figure 1).
- Apply partial load and check proper rotation and alignment. There should be no interference between load (work piece) and hoist ring bail (Figure 2).

WARNING

- Loads may slip or fall if proper Lifting Point assembly and lifting procedures are not used.
- A falling load may cause serious injury or death.
- Install Lifting Point bolt to torque requirements listed in tables 1.
- Read, understand and follow all instructions and chart information.
- Do not use with damaged slings, chain or webbing.

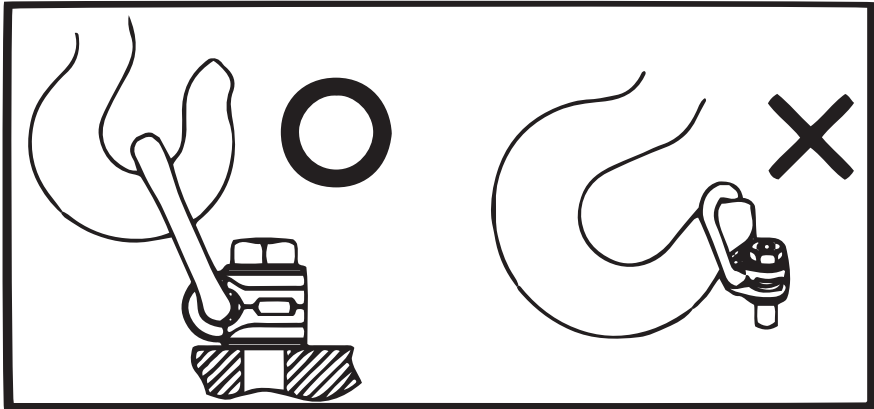


Figure 1

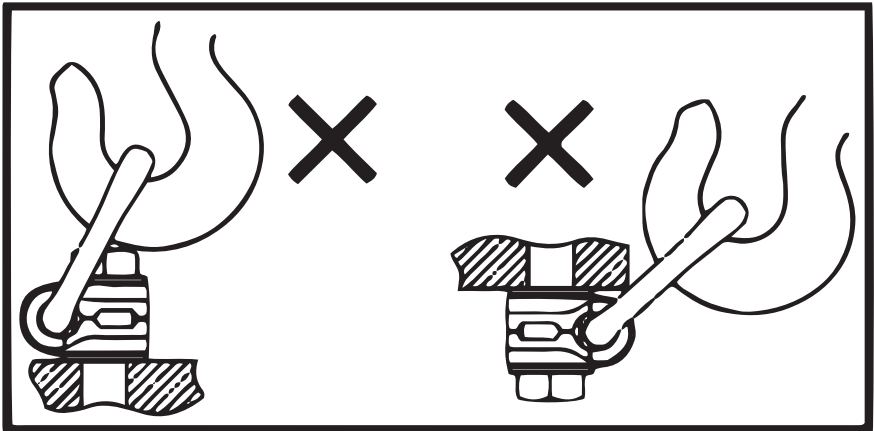


Figure 2

Inspection & Maintenance

INSPECTION POINTS

- Always inspect Lifting Point before use.
- Regularly inspect Lifting Point parts (Fig. 3).

External Inspection Points

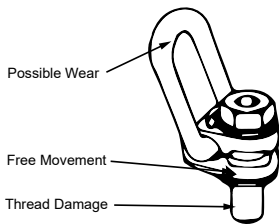


Figure 3

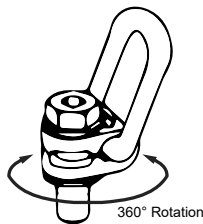


Figure 4

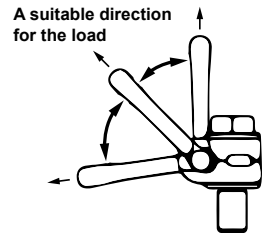


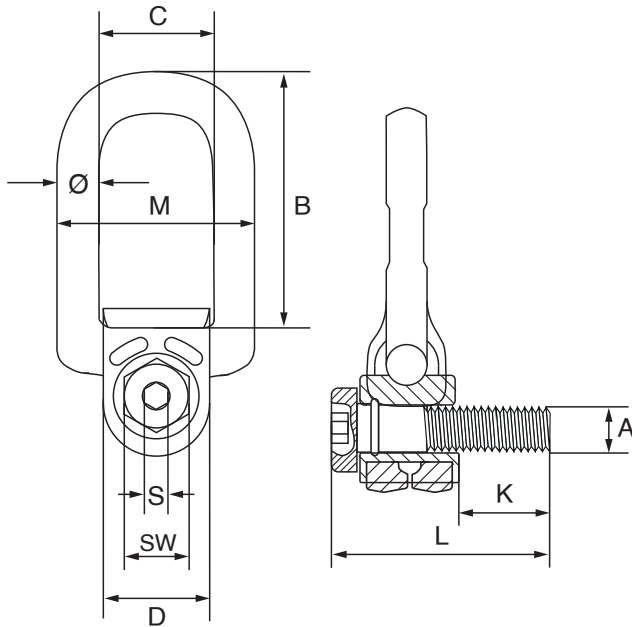
Figure 5

- Never use Lifting Points that show signs of corrosion, wear or damage.
- Never use Lifting Points if bail is bent or elongated.
- Always be sure threads on shank and receiving holes are clean, not damaged and fit properly.
- Always check with torque wrench before using an already installed Lifting Point.
- Always make sure there are not spacers (washers) used between bushing flange and the mounting surface. Remove any spacers (washers) before use.
- Always be sure the total workpiece surface is in contact with the Lifting Point bushing surface. Drilled and tapped holes must be 90 degrees to load (work piece) surface.

OPERATING SAFETY

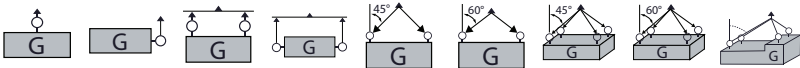
- Never exceed the capacity of the Swivel Lifting Point, see Table 2.
- When using lifting slings of two or more legs, make sure the forces in the legs are calculated using the angle from the horizontal sling angle to the leg and select the proper size Swivel Lifting Point to allow for the angular forces, see Table 1.
- Operating temperatures: -20°C to +200°C, outside of these temperatures please contact GT Lifting.

Specifications & Dimensions



Product Code	W.L.L. t	A mm	B mm	C mm	D mm	K mm	L mm	M mm	S mm	SW mm	Ø mm	Torque Nm	Weight kgs
G80SHR8	0.3	8	52.5	35	30	11	46	55	6	13	14	10-15	0.36
G80SHR10	0.63	10	52.5	35	30	16	52	55	6	17	14	10-15	0.38
G80SHR12	1	12	54	40	36	18	62	68	8	19	18	10-15	0.71
G80SHR14	1.2	14	54	40	36	21	66	68	8	22	18	20-30	0.72
G80SHR16	1.5	16	54	40	36	24	70	68	8	24	18	20-30	0.74
G80SHR20	2.5	20	80	54	50	30	88	83	12	30	16	50-70	1.19
G80SHR24	4	24	94	54	50	36	100	83	14	36	18	130-160	1.38
G80SHR27	4	27	106	73	68	38	120	120	17	41	27	180-220	4.18
G80SHR30	5	30	106	73	68	48	132	120	17	41	27	200-250	4.4
G80SHR36	8	36	140.5	94	86	62	163	156	22	55	31	280-400	7.6
G80SHR42	15	42	155	104	95	74	194	176	24	65	40	500-600	12.4
G80SHR48	20	48	155	104	95	74	194	176	27	75	40	500-650	20

W.L.L. Angle Chart



Leg	1	1	2	2	2		3 or 4		3 or 4
Angle	0°	90°	0°	90°	0-45°	45-60°	0-45°	45-60°	Assim
Factor	1	1	2	2	1.4	1	2.1	1.5	1
M8	0.3	0.3	0.6	0.6	0.42	0.3	0.63	0.45	0.3
M10	0.63	0.63	1.26	1.26	0.88	0.63	1.32	0.95	0.63
M12	1	1	2	2	1.4	1	2.1	1.5	1
M14	1.2	1.2	2.4	2.4	1.68	1.2	2.52	1.8	1.2
M16	1.5	1.5	3	3	2.1	1.5	3.15	2.25	1.5
M18	2	2	4	4	2.8	2	4.2	3	2
M20	2.5	2.5	5	5	3.5	2.5	5.25	3.75	2.5
M24	4	4	8	8	5.6	4	8.4	6	4
M27	4	4	8	8	5.6	4	8.4	6	4
M30	5	5	10	10	7	5	10.5	7.5	5
M36	8	8	16	16	11.2	8	16.8	12	8
M42	15	15	30	30	21	15	31.5	22.5	15
M48	20	20	40	40	28	20	42	30	20

Notes

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