

Drop Forged G 2130 Safety Bolt Bow Shackle

Product datasheet | Bolt type safety anchor shackle

The G-2130 safety bolt bow shackle is designed for secure load connection in lifting, rigging and load-restraint assemblies. Its bolt, nut and retaining cotter arrangement helps prevent unintended pin rotation or release, making it preferable to round-pin or screw-pin shackles for permanent, long-term or vibration-prone installations.

Product advantages

- Wide bow profile provides additional internal clearance and supports multi-leg sling connections.
- Safety bolt assembly is suitable where a moving load could rotate a conventional screw pin.
- Drop-forged and heat-treated construction supports reliable performance in demanding service.
- Available in galvanized or self-colored finishes to suit the intended operating environment.
- Nine listed sizes provide working load limits from 1/3 tonne to 13-1/2 tonnes.

Technical specifications

Product type	Bow or anchor shackle with safety bolt, nut and cotter pin
Reference	G-2130
Material options	Alloy steel or carbon steel, subject to supplier configuration
Manufacturing method	Drop forged
Heat treatment	Quenched and tempered
Finish options	Hot-dip galvanized, electro-galvanized or self-colored
Proof load	Maximum proof load: 2.0 times the Working Load Limit
Minimum ultimate strength	4 or 6 times the Working Load Limit, according to the specified design factor
Marking	As specified by the customer; WLL, size, traceability and manufacturer marks should be confirmed
Size and WLL range	3/16 in to 1-3/8 in; 1/3 t to 13-1/2 t

Typical applications

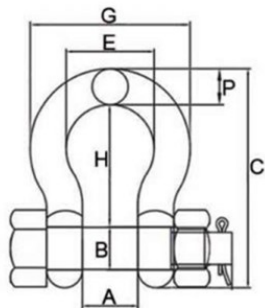
General lifting and rigging, wire-rope and chain-sling assemblies, offshore and marine handling, construction, fabrication, utilities, mining and industrial maintenance. Select the shackle only after considering load direction, sling angle, dynamic loading, operating temperature, corrosion exposure and required design factor.

Selection and safe use

- Do not exceed the marked Working Load Limit. Proof load is a test value and is not a permissible service load.
- Load the shackle in line with its centreline. Side loading and point loading can reduce capacity and require engineering review.
- Fit the nut fully and secure the bolt with the correct cotter pin before loading. Never replace the original pin with an ordinary bolt.
- Inspect the body, pin, threads and retaining components before use. Remove from service if bent, cracked, heavily corroded, worn or illegibly marked.
- Confirm certification, applicable standard, design factor and traceability with the supplier before purchase or use.

Dimensions and Working Load Limits

Dimensional references A, B, H, E, C, G and P correspond to the drawing below. Dimensions and tolerances are stated in inches; weights are stated in pounds.



Size (in)	WLL (t)	Weight (lb)	A	B	H	E	C	G	P	Tol. C (+/-)	Tol. A (+/-)
3/16	1/3	0.06	0.38	0.25	0.88	0.60	1.47	0.98	0.19	0.06	0.06
1/4	1/2	0.11	0.47	0.31	1.13	0.78	1.84	1.28	0.25	0.06	0.06
3/8	1	0.33	0.66	0.44	1.44	1.03	2.49	1.78	0.38	0.13	0.06
1/2	2	0.79	0.81	0.64	1.88	1.31	3.28	2.31	0.50	0.13	0.06
5/8	3-1/4	1.68	1.06	0.77	2.38	1.69	4.19	2.94	0.69	0.13	0.06
3/4	4-3/4	2.72	1.25	0.89	2.81	2.00	4.97	3.50	0.81	0.25	0.06
7/8	6-1/2	3.95	1.44	1.02	3.31	2.28	5.83	4.03	0.97	0.25	0.06
1	8-1/2	5.66	1.69	1.15	3.75	2.69	6.56	4.69	1.06	0.25	0.06
1-3/8	13-1/2	15.83	2.25	1.53	5.25	3.63	9.16	6.38	1.50	0.25	0.13

Dimensional note: Published dimensions are reference values for product selection. Confirm the supplier drawing, material grade, certification, finish, marking and applicable lifting standard before ordering. Do not infer interchangeability from size alone.