

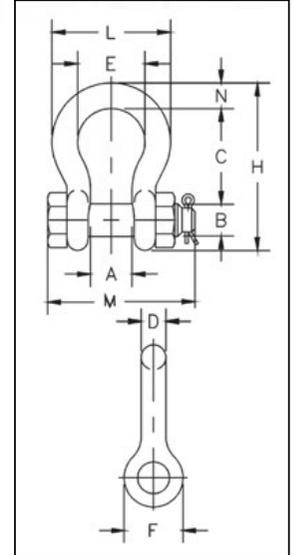
Crosby® Bolt Type Shackles



G-2130A

Bolt Type Anchor shackles with thin head bolt – nut with cotter pin. Meets the performance requirements of Federal Specification RR-C-271F Type IVA, Grade B, Class 3, except for those provisions required of the contractor. For additional information, see page 452.

- Capacities 2 to 17 metric tons.
- Meets or exceeds all requirements of Grade 8 shackles.
- Working Load Limit permanently shown on every shackle.
- Forged Alloy Steel – Quenched and Tempered, with bow and bolt.
- Hot Dip galvanized.
- Shackles can be **RFID EQUIPPED**.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, G-2130A meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification when requested at time of order.
- Type Approval certification in accordance with ABS 2007 Steel Vessel Rules 1-11-17.7 and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges.
- Shackles are Quenched and Tempered and meet DNV impact requirements of 42 joules (31 ft.-lbs.) at -40 degrees C (-40 degrees F).



SEE APPLICATION INFORMATION
On Page 92 of the General Catalog
Para Español: www.thecrosbygroup.com

G-2130A Alloy Bolt Bolt Type Shackles Grade 8

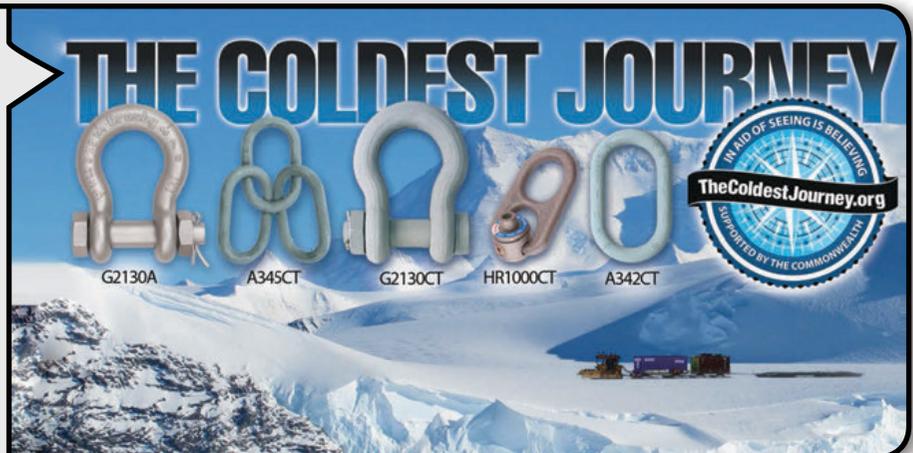
Nominal Size (in.)	Working Load Limit (t)*	G-2130A Stock No.	Weight Each (lbs.)	Dimensions (in)											Tolerance +/-	
				A	B	C	D	E	F	H	L	M	N	C	A	
1/2	2	1219472	.79	.81	.63	1.88	0.50	1.31	1.19	3.29	2.30	2.80	0.50	0.13	0.06	
5/8	3-1/4	1219491	1.37	1.06	.75	2.38	0.63	1.69	1.50	4.18	2.94	3.56	0.69	0.25	0.06	
3/4	4-3/4	1219516	2.71	1.25	.88	2.82	0.75	2.01	1.81	4.96	3.51	4.15	0.81	0.25	0.06	
7/8	6-1/2	1219534	3.95	1.44	1.00	3.31	0.88	2.29	2.09	5.83	4.02	4.82	0.97	0.25	0.06	
1	8-1/2	1219552	5.03	1.69	1.10	3.76	1.00	2.70	2.38	6.58	4.69	5.39	1.06	0.25	0.06	
1-1/8	9-1/2	1219578	8.27	1.81	1.25	4.26	1.13	2.92	2.70	7.49	5.16	5.90	1.25	0.25	0.06	
1-1/4	12	1219598	11.7	2.03	1.38	4.69	1.25	3.25	2.99	8.27	5.75	6.69	1.38	0.25	0.06	
1-3/8	13-1/2	1219614	15.8	2.25	1.50	5.24	1.38	3.62	3.31	9.18	6.38	7.21	1.50	0.25	0.13	
1-1/2	17	1219632	19.0	2.38	1.63	5.75	1.50	3.88	3.62	10.0	6.90	7.73	1.62	0.25	0.13	

* NOTE: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strength is 8 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see page 94.



Testing the Limits

In 2013, Sir Ranulph Fiennes and five colleagues set out to test the limits of human endurance and achieve the feat of becoming the first individuals to cross the continent of Antarctica in winter. As a proud partner in this endeavor, Crosby provided its full range of COLD TUFF® products, which are specifically manufactured to function in extreme environments such as those encountered throughout the expedition—including temperatures as low as -90° C.



SHACKLES