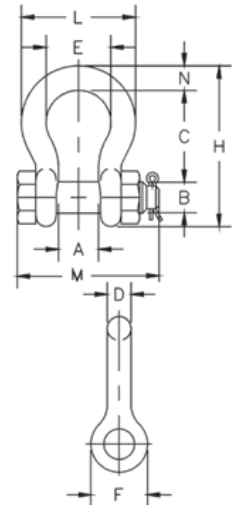


- Capacities 1/3 thru 150 metric tons, grade 6.
- Working Load Limit and grade “6” permanently shown on every shackle.
- Forged – Quenched and Tempered, with alloy bolts.
- Hot Dip galvanized or self colored. (85, 120, and 150 metric ton shackles are all hot dip galvanized bows and the bolts are Dimetcoated® and painted red)
- Sizes 3/8 and below are mechanically galvanized.
- Fatigue rated (1/3t - 55t).
- Shackles 25t and larger are RFID EQUIPPED.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26.
- Shackles 85 metric tons and larger are individually proof tested to 2.0 times the working load limit.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules ABS Guide for Certification of Lifting Appliances available. Certificates available when requested at time of order and may include additional charges.
- 3.1 Certification as standard available for charpy and statisti al proof test from 3.25t up to 25 tons to DNV2.7-1 and EN13889.
- Crosby 3.25t through 25t G2130OC anchor shackles are type approved to DNV CertificationNotes 2.7-1- Offshore Containers. These Crosby shackles are statistical proof and impact tested to 42 Joules (31 ft•lbf) min. avg. at -20° C (-4° F). The tests are conducted by Crosby and 3.1 test certification is available upon request.
- All other 2130 shackles can meet charpy requirements of 42 Joules (31 ft•lbf) avg at -20° C (-4° F) when requested at time of order.
- Look for the Red Pin® . . . the mark of genuine Crosby quality.



G-2130/S-2130
Bolt Type Anchor shackles with thin head bolt - nut with cotter pin. Meets the performance requirements of Federal Specification RR-C271G, Type IVA, Grade A, Class 3, except for those provisions required of the contractor.

G-2130/ S-2130 Bolt Type Anchor Shackles

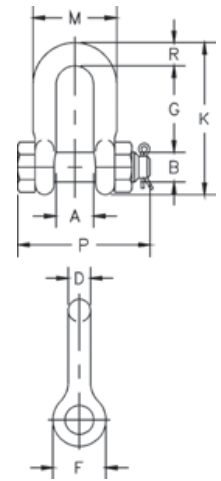
Nominal Size (in)	Working Load Limit (t)*	Stock No.			Weight Each (lb)	Dimensions (in)											Tolerance +/-	
		G-2130	S-2130	G-2130OC		A	B	C	D	F	H	L	M	N	C	A		
3/16	1/3 ‡	1019464	-	-	0.06	0.38	0.25	0.88	0.19	0.60	0.56	1.47	0.98	1.29	0.19	0.06	0.06	
1/4	1/2	1019466	-	-	0.11	0.47	0.31	1.13	0.25	0.78	0.61	1.84	1.28	1.56	0.25	0.06	0.06	
5/16	3/4	1019468	-	-	0.22	0.53	0.38	1.22	0.31	0.84	0.75	2.09	1.47	1.82	0.31	0.06	0.06	
3/8	1	1019470	-	-	0.33	0.66	0.44	1.44	0.38	1.03	0.91	2.49	1.78	2.17	0.38	0.13	0.06	
7/16	1-1/2	1019471	-	-	0.49	0.75	0.50	1.69	0.44	1.16	1.06	2.91	2.03	2.51	0.44	0.13	0.06	
1/2	2	1019472	1019481	-	0.79	0.81	0.64	1.88	0.50	1.31	1.19	3.28	2.31	2.80	0.50	0.13	0.06	
5/8	3-1/4	1019490	1019506	1262013	1.68	1.06	0.77	2.38	0.63	1.69	1.50	4.19	2.94	3.56	0.69	0.13	0.06	
3/4	4-3/4	1019515	1019524	1262022	2.72	1.25	0.89	2.81	0.75	2.00	1.81	4.97	3.50	4.15	0.81	0.25	0.06	
7/8	6-1/2	1019533	1019542	1262031	3.95	1.44	1.02	3.31	0.88	2.28	2.09	5.83	4.03	4.82	0.97	0.25	0.06	
1	8-1/2	1019551	1019560	1262040	5.66	1.69	1.15	3.75	1.00	2.69	2.38	6.56	4.69	5.39	1.06	0.25	0.06	
1-1/8	9-1/2	1019579	1019588	1262059	8.27	1.81	1.25	4.25	1.13	2.91	2.69	7.47	5.16	5.90	1.25	0.25	0.06	
1-1/4	12	1019597	1019604	1262068	11.71	2.03	1.40	4.69	1.29	3.25	3.00	8.25	5.75	6.69	1.38	0.25	0.06	
1-3/8	13-1/2	1019613	1019622	1262077	15.83	2.25	1.53	5.25	1.42	3.63	3.31	9.16	6.38	7.21	1.50	0.25	0.13	
1-1/2	17	1019631	1019640	1262086	19.00	2.38	1.66	5.75	1.53	3.88	3.63	10.00	6.88	7.73	1.62	0.25	0.13	
1-3/4	25	1019659	1019668	1262095	33.91	2.88	2.04	7.00	1.84	5.00	4.19	12.34	8.80	9.68	2.25	0.25	0.13	
2	35	1019677	1019686	-	52.25	3.25	2.30	7.75	2.08	5.75	4.81	13.68	10.15	10.81	2.40	0.25	0.13	
2-1/2	55	1019695	1019702	-	98.25	4.13	2.80	10.50	2.71	7.25	5.69	17.90	12.75	13.58	3.13	0.25	0.25	
3	+85	1019711	-	-	154.00	5.00	3.30	13.00	3.12	7.88	6.50	21.50	14.62	15.13	3.62	0.25	0.25	
3-1/2	+120 ‡	1019739	-	-	265.00	5.25	3.76	14.63	3.62	9.00	8.00	24.88	17.02	17.00	4.38	0.25	0.25	
4	+150 ‡	1019757	-	-	338.00	5.50	4.26	14.50	4.00	10.00	9.00	25.68	18.00	17.75	4.56	0.25	0.25	

** NOTE: Maximum Proof Load is 2 times the Working Load Limit. Minimum Ultimate Strength is 6 times the Working Load Limit. † Individually Proof Tested with certification. ‡ Furnished in Anchor style only and furnished with eyebolts for handling.

CROSBY® BOLT TYPE SHACKLES

Shackles

- Capacities 1/2 thru 85 metric tons, grade 6.
- Working Load Limit and grade “6” permanently shown on every shackle.
- Forged — Quenched and Tempered, with alloy pins.
- Hot Dip galvanized or self colored. (85, 120, and 150-metric ton shackles are all hot dip galvanized bows and the bolts are Dimetcoated® and painted red).
- Sizes 3/8 inch and below are mechanically galvanized.
- Fatigue rated (1/2t - 55t).
- Shackles 25t and larger are RFID EQUIPPED.
- Approved for use at -40° C (-40 degrees F) to 204° C (400° F).
- Meets or exceeds all requirements of ASME B30.26.
- Sizes 1/2 - 25t meet the performance requirements of EN13889:2003.
- Shackles 55 metric tons and smaller can be furnished proof tested with certificate to designated standards, such as ABS, DNV, Lloyds, or other certification when requested at time of order.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and 2016 ABS Guide for Certification of Lifting Appliance. Certificates available when requested at time of order and may include additional charges.
- All 2150 shackles can meet charpy requirements of 42 Joules (31 ft•lbf) avg at -20° C (-4° F) upon special request.
- Look for the Red Pin® . . . the mark of genuine Crosby quality.



G-2150/S-2150

Bolt Type chain shackles with thin hex head bolt - nut with cotter pin. Meets the performance requirements of Federal Specification RR-C 271G, Type IVB, Grade A, Class 3, except for those provisions required of the contractor.

G-2150 / S-2150 Bolt Type Chain Shackles

Size	Load	Stock No.		Each	Dimensions (in)									Tolerance +/-	
		G-2150	S-2150		A	B	D	F	G	K	M	P	R	G	A
1/4	1/2	1019768	-	0.13	0.47	0.31	0.25	0.62	0.91	1.59	0.97	1.56	0.25	0.06	0.06
5/16	3/4	1019770	-	0.23	0.53	0.38	0.31	0.75	1.07	1.91	1.15	1.82	0.31	0.06	0.06
3/8	1	1019772	-	0.33	0.66	0.44	0.38	0.92	1.28	2.31	1.42	2.17	0.38	0.13	0.06
7/16	1-1/2	1019774	-	0.49	0.75	0.50	0.44	1.06	1.48	2.67	1.63	2.51	0.44	0.13	0.06
1/2	2.0	1019775	1019784	0.75	0.81	0.64	0.50	1.18	1.66	3.03	1.81	2.80	0.50	0.13	0.06
5/8	3-1/4	1019793	1019800	1.47	1.06	0.77	0.63	1.50	2.04	3.76	2.32	3.56	0.63	0.13	0.06
3/4	4-3/4	1019819	1019828	2.52	1.25	0.89	0.75	1.81	2.40	4.53	2.75	4.15	0.81	0.25	0.06
7/8	6-1/2	1019837	1019846	3.85	1.44	1.02	0.88	2.10	2.86	5.33	3.20	4.82	0.97	0.25	0.06
1	8-1/2	1019855	1019864	5.55	1.69	1.15	1.00	2.38	3.24	5.94	3.69	5.39	1.00	0.25	0.06
1-1/8	9-1/2	1019873	1019882	7.60	1.81	1.25	1.13	2.68	3.61	6.78	4.07	5.90	1.25	0.25	0.06
1-1/4	12	1019891	1019908	10.81	2.03	1.40	1.25	3.00	3.97	7.50	4.53	6.69	1.38	0.25	0.06
1-3/8	13-1/2	1019917	1019926	13.75	2.25	1.53	1.38	3.31	4.43	8.28	5.01	7.21	1.50	0.25	0.13
1-1/2	17	1019935	1019944	18.50	2.38	1.66	1.50	3.62	4.87	9.05	5.38	7.73	1.62	0.25	0.13
1-3/4	25	1019953	1019962	31.40	2.88	2.04	1.75	4.19	5.82	10.97	6.38	9.33	2.12	0.25	0.13
2	35	1019971	1019980	46.75	3.25	2.30	2.10	5.00	6.82	12.74	7.25	10.41	2.36	0.25	0.13
2-1/2	55	1019999	1020004	85.00	4.12	2.80	2.63	5.68	8.07	14.85	9.38	13.58	2.63	0.25	0.25
3	+85	1020013	-	124.25	5.00	3.25	3.00	6.50	8.56	16.87	11.00	15.13	3.50	0.25	0.25

* NOTE: Maximum Proof Load is 2 times the Working Load Limit. Minimum Ultimate Strength is 6 times the Working Load Limit.. † Individually Proof Tested with certification

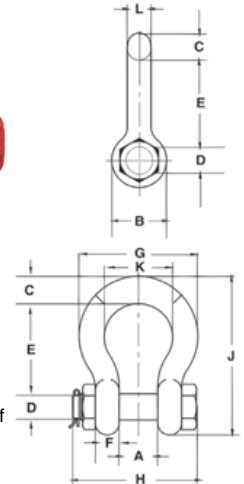
CROSBY® ALLOY BOLT TYPE SHACKLES

Shackles

- Quenched and Tempered.
- Alloy bows, Alloy bolts.
- Forged Alloy Steel 2 thru 200 metric tons. Cast Alloy Steel 250 thru 400 metric tons. Meets performance requirements of Grade 8 shackles.
- Working Load Limit is permanently shown on every shackle.
- 30, 40, 55, and 85 metric ton shackle bows are available galvanized or self colored with bolts that are galvanized and painted red.
- Sizes 3/8 inch and below are mechanically galvanized.
- 120, 150, 175 metric ton shackle bows are hot-dip galvanized; bolts are Dimetcoated and painted red.
- 400 metric ton shackle bows are Dimetcoated; bolts are Dimetcoated and painted red.
- Sizes 1-1/2 and larger are **RFID EQUIPPED**.
- Approved for use at -40° C (-40° F) to 204° C (400° F).
- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 Joules (31 ft•lbf) at -20° C (-4° F).
- All sizes are individually proof tested to 2.0 times the Working Load Limit.
- Shackles 200 metric tons and larger are provided as follows.
 - Serialized bolt and bow
 - Material certification (chemical)
 - Magnetic particle inspected.
 - Certification must be requested at time of order .
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility , design factor, proof load and temperature requirements. 2140 shackles meet other critical performance requirements including impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS 2016 Steel Vessel Rules and 2016 ABS Guide for Certification of Liftin Appliances. Certificates available when requested at time of order and may include additional charges.
- Look for the Red Pin® . . . the mark of genuine Crosby quality.



G-2140/S-2140
G-2140 meets the performance requirements of Federal Specification RR-C-271G, Type IVA, Grade B, Class 3, except for those provisions required of the contractor.



G-2140 / S-2140 Crosby® Alloy Bolt Type Anchor Shackles

Nominal Size (in)	Working Load Limit (t)*	Stock No.			Weight Each (lb)	Dimensions (in)														Tolerance +/-	
		G-2140	S-2140	G-2140OC		A	B	C	D +/- .02	E	F	G	H	J	K	L	M	N	A	E	
3/8	2	1021015	-	-	0.33	0.66	0.91	0.38	0.44	1.44	0.38	1.78	2.17	2.49	1.03	0.38	-	-	0.06	0.13	
7/16	2-2/3	1021020	-	-	0.49	0.75	1.06	0.44	0.50	1.69	0.41	2.03	2.51	2.91	1.16	0.44	-	-	0.06	0.13	
1/2	3-1/3	1021029	-	-	0.79	0.81	1.19	0.50	0.64	1.88	0.46	2.31	2.80	3.28	1.31	0.50	-	-	0.06	0.13	
5/8	5	1021038	-	-	1.68	1.06	1.50	0.69	0.77	2.38	0.58	2.94	3.56	4.19	1.69	0.63	-	-	0.06	0.13	
3/4	7	1021047	-	-	2.72	1.25	1.81	0.81	0.89	2.81	0.69	3.50	4.15	4.97	2.00	0.75	-	-	0.06	0.25	
7/8	9-1/2	1021056	-	-	3.95	1.44	2.09	0.97	1.02	3.31	0.81	4.03	4.82	5.83	2.28	0.88	-	-	0.06	0.25	
1	12-1/2	1021065	-	-	5.66	1.69	2.38	1.06	1.15	3.75	0.92	4.69	5.39	6.56	2.69	1.00	-	-	0.06	0.25	
1-1/8	15	1021074	-	-	8.27	1.81	2.69	1.25	1.25	4.25	1.04	5.16	5.90	7.47	2.91	1.13	-	-	0.06	0.25	
1-1/4	18	1021083	-	-	11.7	2.03	3.00	1.38	1.40	4.69	1.16	5.75	6.69	8.25	3.25	1.29	-	-	0.06	0.25	
1-3/8	21	1021092	-	-	15.8	2.25	3.31	1.50	1.53	5.25	1.28	6.38	7.21	9.16	3.63	1.42	-	-	0.13	0.25	
1-1/2	30	1021110	1021129	1262407	18.8	2.38	3.62	1.62	1.63	5.75	1.39	6.88	7.73	10.00	3.88	1.53	-	-	0.13	0.25	
1-3/4	40	1021138	1021147	1262416	33.8	2.88	4.19	2.25	2.00	7.00	1.75	8.81	9.33	12.34	5.00	1.84	-	-	0.13	0.25	
2	55	1021156	1021165	1262425	49.9	3.25	4.81	2.40	2.25	7.75	2.00	10.16	10.41	13.68	5.75	2.08	-	-	0.13	0.25	
2-1/2	85	1021174	1021183	1262434	103	4.12	5.81	3.12	2.75	10.50	2.62	12.75	13.58	17.90	7.25	2.71	-	-	0.25	0.25	
3	120	1021192	-	1262443	162	5.00	6.50	3.63	3.25	13.00	3.00	14.62	15.13	21.50	7.88	3.12	-	-	0.25	0.25	
3-1/2	+150	1021218	-	1262452	327	5.25	8.00	4.38	3.75	14.63	3.75	17.02	20.33	24.88	9.00	3.62	4.00	1.80	0.25	0.25	
4	+175	1021236	-	1262461	318	5.50	9.00	4.56	4.25	14.50	4.00	18.00	21.20	25.68	10.00	4.00	4.00	1.80	0.25	0.25	
4-3/4	+200	1021234	-	-	461	7.25	10.50	5.00	4.75	15.19	4.58	20.84	24.04	27.81	11.00	4.75	4.00	1.80	0.25	0.25	
5	+250	1021243	-	-	608	8.50	12.00	5.62	5.00	18.50	4.85	23.62	24.87	32.61	13.00	5.00	4.00	1.80	0.25	0.25	
6	+300	1021252	-	-	797	8.38	13.00	6.06	6.00	18.72	4.89	24.76	26.22	34.28	13.00	5.88	4.00	1.80	0.25	0.25	
7**	+400	1021478	-	-	1289	8.25	14.00	7.25	7.00	22.50	6.50	26.00	29.66	40.25	13.00	6.00	4.00	1.80	0.25	0.25	

* Note: Maximum Proof Load is 2 times the Working Load Limit. Minimum Ultimate Load is 5 times the Working Load Limit on 2 thru 21 metric tons. For sizes 30 thru 175 metric tons, Minimum Ultimate Load is 5.4 times the Working Load Limit for 200 thru 400 metric tons, Minimum Ultimate Load is 4 times the Working Load Limit. ** Cast Alloy Steel. † Furnished with Round Head Bolts with an handle for handling.