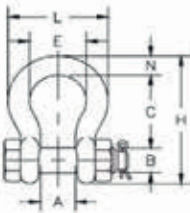


CROSBY® BOLT TYPE SHACKLES - G2130 & G2150

G-2130

Bolt Type Anchor Shackles with thin head bolt-nut with copper pin. Meets the performance requirements of Federal Specification RR-C-271F Type IVA, Grade A, Class 2, except for those provisions required of the contractor.

BOLT TYPE ANCHOR SHACKLES



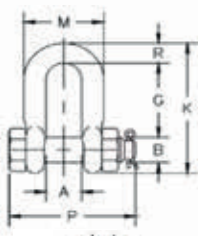
1 NOMINAL SIZE (in.)	WORKING LOAD LIMIT (t)	PRODUCT CODE G-2130	WEIGHT EACH (kg)	DIMENSIONS (mm)										TOLERANCE ±	
				A	B	C	D	E	F	H	L	N	C	A	
3/16	1/3**	1019464	0.03	9.65	6.35	22.4	4.85	15.2	14.2	37.3	24.9	4.85	1.50	1.50	
1/4	1/2	1019466	0.05	11.9	7.85	28.7	6.35	19.8	15.5	46.7	32.5	6.35	1.50	1.50	
5/16	3/4	1019468	0.10	13.5	9.65	31.0	7.85	21.3	19.1	53.0	37.3	7.85	1.50	1.50	
3/8	1	1019470	0.15	16.8	11.2	36.6	9.65	26.2	23.1	63.0	45.2	9.65	3.30	1.50	
7/16	1-1/2	1019471	0.22	19.1	12.7	42.9	11.2	29.5	26.9	74.0	51.5	11.2	3.30	1.50	
1/2	2	1019472	0.36	20.6	16.0	47.8	12.7	33.3	30.2	83.5	58.5	12.7	3.30	1.50	
5/8	3-1/4	1019490	0.62	26.9	19.1	60.5	16.0	42.9	38.1	106	74.5	17.5	3.30	1.50	
3/4	4-3/4	1019515	1.23	31.8	22.4	71.5	19.1	51.0	46.0	126	89.0	20.6	6.35	1.50	
7/8	6-1/2	1019533	1.79	36.6	25.4	84.0	22.4	58.0	53.0	148	102	24.6	6.35	1.50	
1	8-1/2	1019551	2.28	42.9	28.7	95.5	25.4	68.5	60.5	167	119	26.9	6.35	1.50	
1-1/8	9-1/2	1019579	3.75	46.0	31.8	108	28.7	74.0	68.5	190	131	31.8	6.35	1.50	
1-1/4	12	1019597	5.31	51.5	35.1	119	31.8	82.5	76.0	210	146	35.1	6.35	1.50	
1-3/8	13-1/2	1019613	7.18	57.0	38.1	133	35.1	92.0	84.0	233	162	38.1	6.35	3.30	
1-1/2	17	1019631	8.62	60.5	41.4	146	38.1	98.5	92.0	254	175	41.1	6.35	3.30	
1-3/4	25	1019659	15.4	73.0	51.0	178	44.5	127	106	313	225	57.0	6.35	3.30	
2	35	1019677	23.7	82.5	57.0	197	51.0	146	122	348	253	61.0	6.35	3.30	
2-1/2	55	1019695	44.6	105	70.0	267	66.5	184	145	453	327	79.5	6.35	6.35	
3	*85	1019711	70	127	82.5	330	76.0	200	165	546	365	92.0	6.35	6.35	
3-1/2	*120**	1019739	120	133	95.5	372	92.0	229	203	626	419	105	6.35	6.35	
4	*150**	1019757	153	140	108	368	104	254	229	653	468	116	6.35	6.35	

- Working Load Limit permanently shown on every shackle.
- Capacities 1/2 thru 85 metric tons.
- Forged - Quenched and Tempered, with alloy pins..
- Hot Dip galvanized or Self Colored.
- Fatigue rated (1/2-55t).
- Crosby products meet or exceed all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Sizes 1/2t - 25t meet the performance requirements of EN13889:2003.
- Shackles 55 metric tons and smaller can be furnished proof tested with other certification when requested at time of order.
- Shackles 85 metric tons and larger can be provided as follows.
- Non Destructive Tested
- Serialized Pin and Bow
- Material Certification (Chemical) must be requested at time of order.
- Look for the Red Pin®.... the mark of genuine Crosby quality.

G-2150

Bolt Type Chain Shackles. Thin hex head bolt-nut with copper pin. Meets the performance requirements of Federal Specification RR-C-271F Type IVB, Grade A, Class 3, except for those provisions required of the contractor.

BOLT TYPE CHAIN SHACKLES



NOMINAL SIZE (in.)	WORKING LOAD LIMIT (t)#	PRODUCT CODE G-2150	WEIGHT EACH (kg)	DIMENSIONS (mm)										TOLERANCE ±	
				A	B	D	F	G	K	M	P	R	G	A	
1/4	1/2	1019768	0.06	11.9	7.85	6.35	15.5	19.1	40.4	24.6	39.6	6.35	1.50	1.50	
5/16	3/4	1019770	0.10	13.5	9.65	7.85	19.1	25.4	48.5	29.5	46.2	7.85	1.50	1.50	
3/8	1	1019772	0.15	16.8	11.2	9.65	23.1	31.0	58.5	35.8	55.0	9.65	3.30	1.50	
7/16	1-1/2	1019774	0.22	19.1	12.7	11.2	26.9	36.1	67.5	41.1	63.5	11.2	3.30	1.50	
1/2	2	1019775	0.34	20.6	16.0	12.7	30.2	41.4	77.0	46.0	71.0	12.7	3.30	1.50	
5/8	3-1/4	1019793	0.67	26.9	19.1	16.0	38.1	51.0	95.5	58.5	89.5	16.0	3.30	1.50	
3/4	4-3/4	1019819	1.14	31.8	22.4	19.1	46.0	60.5	115	70.0	103	20.6	6.35	1.50	
7/8	6-1/2	1019837	1.74	36.6	25.4	22.4	53.0	71.5	135	81.0	120	24.6	6.35	1.50	
1	8-1/2	1019855	2.52	42.9	28.7	25.4	60.5	81.0	151	93.5	135	25.4	6.35	1.50	
1-1/8	9-1/2	1019873	3.45	46.0	31.8	28.7	68.5	91.0	172	103	150	31.8	6.35	1.50	
1-1/4	12	1019891	4.90	51.5	35.1	31.8	76.0	100	191	115	165	35.1	6.35	1.50	
1-3/8	13-1/2	1019917	6.24	57.0	38.1	35.1	84.0	111	210	127	183	38.1	6.35	3.30	
1-1/2	17	1019935	8.39	60.5	41.4	38.1	92.0	122	230	137	196	41.1	6.35	3.30	
1-3/4	25	1019953	14.2	73.0	51.0	44.5	106	146	279	162	230	54.0	6.35	3.30	
2	35	1019971	21.2	82.5	57.0	51.0	122	172	312	184	264	60.0	6.35	3.30	
2-1/2	55	1019999	38.6	105	70.0	66.5	145	203	377	238	344	66.5	6.35	6.35	
3	*85	1020013	56	127	82.5	76.0	165	316	429	279	419	89.0	6.35	6.35	

Note: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strength is 6 times the Working Load Limit. For Working Load Limit reduction due to the side loading applications, contact Shutterlock.
 * Individual Proof Tested with certification.
 ** Furnished in Anchor Style only and furnished with Round Head Bolts with welded handles.