

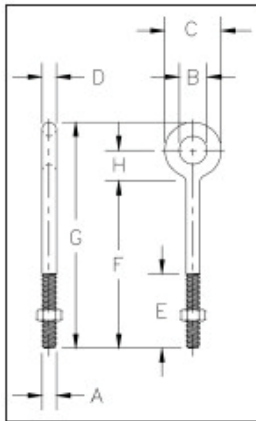
NORTHERN STRANDS

G-291



- Forged Steel - Quenched and Tempered.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles
- All Bolts Hot Dip galvanized after threading (UNC).
- Furnished with standard Hot Dip galvanized hex nuts.
- Recommended for in line pull.
- Crosby products meet or exceed all the 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.

G-291 Regular Nut Eye Bolts



Shank Dia. & Length (in.)	G-291 Stock No. Galv.	Working Load Limit * (lbs.)	Weight Per 100 (lbs.)	Dimensions (in.)							
				A	B	C	D	E	F	G	H
1/4 x 2	1043230	650	8.20	.25	.50	1.00	.25	1.50	2.00	3.06	.56
1/4 x 4	1043258	650	11.70	.25	.50	1.00	.25	2.50	4.00	5.06	.56
5/16 x 2-1/4	1043276	1200	13.30	.31	.62	1.25	.31	1.50	2.25	3.56	.69
5/16 x 4-1/4	1043294	1200	25.00	.31	.62	1.25	.31	2.50	4.25	5.56	.69
3/8 x 2-1/2	1043310	1550	23.30	.38	.75	1.50	.38	1.50	2.50	4.12	.88
3/8 x 4-1/2	1043338	1550	29.50	.38	.75	1.50	.38	2.50	4.50	6.12	.88
3/8 x 6	1043356	155	35.20	.38	.75	1.50	.38	2.50	6.00	7.62	.88
1/2 x 3-1/4	1043374	2600	50.30	.50	1.00	2.00	.50	1.50	3.25	5.38	1.12
1/2 x 6	1043392	2600	66.10	.50	1.00	2.00	.50	3.00	6.00	8.12	1.12
1/2 x 8	1043418	2600	82.00	.50	1.00	2.00	.50	3.00	8.00	10.12	1.12
1/2 x 10	1043436	2600	88.00	.50	1.00	2.00	.50	3.00	10.00	12.12	1.12
1/2 x 12	1043454	2600	114.20	.50	1.00	2.00	.50	3.00	12.00	14.12	1.12
5/8 x 4	1043472	5200	103.10	.62	1.25	2.50	.62	2.00	4.00	6.69	1.44
5/8 x 6	1043490	5200	118.20	.62	1.25	2.50	.62	3.00	6.00	8.69	1.44
5/8 x 8	1043515	5200	135.10	.62	1.25	2.50	.62	3.00	8.00	10.69	1.44
5/8 x 10	1043533	5200	153.60	.62	1.25	2.50	.62	3.00	10.00	12.69	1.44
5/8 x 12	1043551	5200	167.10	.62	1.25	2.50	.62	4.00	12.00	14.69	1.44
3/4 x 4-1/2	1043579	7200	168.60	.75	1.50	3.00	.75	2.00	4.50	7.69	1.69
3/4 x 6	1043597	7200	184.50	.75	1.50	3.00	.75	3.00	6.00	9.19	1.69
3/4 x 8	1043613	7200	207.90	.75	1.50	3.00	.75	3.00	8.00	11.19	1.69
3/4 x 10	1043631	7200	235.00	.75	1.50	3.00	.75	3.00	10.00	13.19	1.69
3/4 x 12	1043659	7200	257.50	.75	1.50	3.00	.75	4.00	12.00	15.19	1.69
3/4 x 15	1043677	7200	298.00	.75	1.50	3.00	.75	5.00	15.00	18.19	1.69
7/8 x 5	1043695	10600	270.00	.88	1.75	3.50	.88	2.50	5.00	8.75	2.00
7/8 x 8	1043711	10600	308.00	.88	1.75	3.50	.88	4.00	8.00	11.75	2.00
7/8 x 12	1043739	10600	400.00	.88	1.75	3.50	.88	4.00	12.00	15.75	2.00
1 x 6	1043757	13300	421.00	1.00	2.00	4.00	1.00	3.00	6.00	10.31	2.31
1 x 9	1043775	13300	468.50	1.00	2.00	4.00	1.00	4.00	9.00	13.31	2.31
1 x 12	1043793	13300	540.00	1.00	2.00	4.00	1.00	4.00	12.00	16.31	2.31
1 x 18	1043819	13300	650.00	1.00	2.00	4.00	1.00	7.00	18.00	22.31	2.31
1-1/4 x 8	1043837	21000	750.00	1.25	2.50	5.00	1.25	4.00	8.00	13.38	2.88
1-1/4 x 12	1043855	21000	900.00	1.25	2.50	5.00	1.25	4.00	12.00	17.38	2.88
1-1/4 x 20	1043873	21000	1210.00	1.25	2.50	5.00	1.25	6.00	20.00	25.38	2.88

*Ultimate Load is 5 times the Working Load Limit. Working Load Limit shown is for in-line pull. Maximum Proof Load is 2 times the Working Load Limit.

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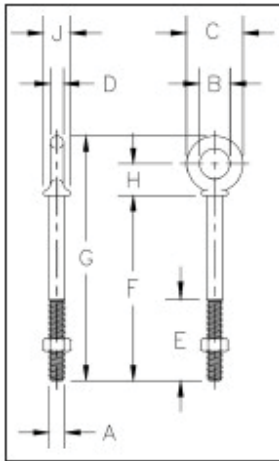
NORTHERN STRANDS

G-277



- Forged Steel.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Recommended for in line pull.
- Crosby products meet or exceed all the 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.
- All Bolts Hot Dip galvanized after threading (UNC).
- Furnished with standard Hot Dip galvanized hex nuts.

G-277 Shoulder Nut Eye Bolts

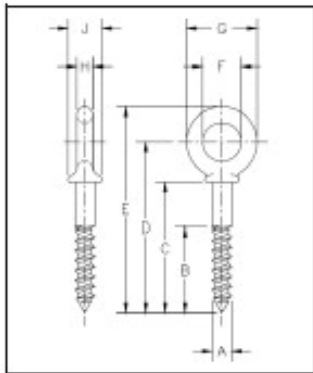


Shank Diameter & Length (in.)	G-277 Stock No. Galv.	Working Load Limit * (lbs.)	Weight Per 100 (lbs.)	Dimensions (in.)									
				A	B	C	D	E	F	G	H	J	
1/4 x 2	1045014	650	6.60	.25	.50	.88	.19	1.50	2.00	2.94	.50	.47	
1/4 x 4	1045032	650	9.10	.25	.50	.88	.19	2.50	4.00	4.94	.50	.47	
5/16 x 2-1/4	1045050	1200	12.50	.31	.62	1.12	.25	1.50	2.25	3.50	.69	.56	
5/16 x 4-1/4	1045078	1200	18.80	.31	.62	1.12	.25	2.50	4.25	5.50	.69	.56	
3/8 x 2-1/2	1045096	1550	21.40	.38	.75	1.38	.31	1.50	2.50	3.97	.78	.66	
3/8 x 4-1/2	1045112	1550	25.30	.38	.75	1.38	.31	2.50	4.50	5.97	.78	.66	
1/2 x 3-1/4	1045130	2600	42.60	.50	1.00	1.75	.38	1.50	3.25	5.12	1.00	.91	
1/2 x 6	1045158	2600	56.80	.50	1.00	1.75	.38	3.00	6.00	7.88	1.00	.91	
5/8 x 4	1045176	5200	68.60	.62	1.25	2.25	.50	2.00	4.00	6.44	1.31	1.12	
5/8 x 6	1045194	5200	102.40	.62	1.25	2.25	.50	3.00	6.00	8.44	1.31	1.12	
3/4 x 4-1/2	1045210	7200	144.50	.75	1.50	2.75	.62	2.00	4.50	7.44	1.56	1.38	
3/4 x 6	1045238	7200	167.50	.75	1.50	2.75	.62	3.00	6.00	8.94	1.56	1.38	
7/8 x 5	1045256	10600	225.00	.88	1.75	3.25	.75	2.50	5.00	8.46	1.84	1.56	
1 x 6	1045292	13300	366.30	1.00	2.00	3.75	.88	3.00	6.00	9.97	2.09	1.81	
1 x 9	1045318	13300	422.50	1.00	2.00	3.75	.88	4.00	9.00	12.97	2.09	1.81	
1-1/4 x 8	1045336	21000	650.00	1.25	2.50	4.50	1.00	4.00	8.00	12.72	2.47	2.28	
1-1/4 x 12	1045354	21000	795.00	1.25	2.50	4.50	1.00	4.00	12.00	16.72	2.47	2.28	
1-1/2 x 15	1045372	24000	1425.00	1.50	3.00	5.50	1.25	6.00	15.00	20.75	3.00	2.75	

G-275



- Forged Steel - Quenched and Tempered.
- Hot Dip galvanized



G-275 Screw Eye Bolts

Shank Diameter & Length (in.)	G-275 Stock No. Galv.	Weight Per 100 (lbs.)	Dimensions (in.)									
			A	B	C	D	E	F	G	H	J	
1/4 x 2	1046111	4.30	.25	1.50	2.00	2.50	2.94	.50	.88	.19	.47	
5/16 x 2-1/4	1046139	9.90	.31	1.69	2.25	2.94	3.50	.63	1.13	.25	.56	
3/8 x 2-1/2	1046157	18.88	.38	1.88	2.50	3.28	3.97	.75	1.38	.31	.66	
1/2 x 3-1/4	1046175	37.50	.50	2.44	3.25	4.25	5.12	1.00	1.75	.38	.91	
5/8 x 4	1046193	85.50	.63	3.00	4.00	5.31	6.44	1.25	2.25	.50	1.12	

CROSBY® FORGED EYE BOLTS

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NORTHERN STRANDS

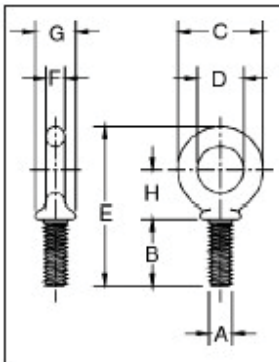
S-279 / M-279



- Forged Steel.
- Working Load Limits shown are for In-line pull.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Crosby products meet or exceed all the 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.
- Recommended for in line pull.
- S-279 threaded UNC.
- M-279 metric threaded

Shoulder Type Machinery Eye Bolts

S-279 UNC



Size	Stock No.	Working Load Limit * (lbs.)	Weight per 100 (lbs.)	Dimensions (in.)							
				A** Thread	B	C	D	E	F	G	H
1/4 x 1	9900182	650	5.00	1/4 - 20	1.02	1.13	.75	2.29	.19	.53	.70
5/16 x 1-1/8	9900191	1200	9.00	5/16 - 18	1.15	1.38	.88	2.74	.25	.59	.90
3/8 x 1-1/4	9900208	1550	15.00	3/8 - 16	1.27	1.62	1.00	3.07	.31	.69	1.00
1/2 x 1-1/2	9900217	2600	28.00	1/2 - 13	1.53	1.95	1.19	3.70	.38	.91	1.20
5/8 x 1-3/4	9900226	5200	55.00	5/8 - 11	1.79	2.38	1.38	4.45	.50	1.13	1.47
3/4 x 2	9900235	7200	96.00	3/4 - 10	2.05	2.76	1.50	5.07	.63	1.38	1.64
7/8 x 2-1/4	9900244	10600	154.00	7/8 - 9	2.31	3.25	1.75	5.87	.75	1.56	1.94
1 x 2-1/2	9900253	13300	238.00	1 - 8	2.57	3.76	2.00	6.66	.88	1.81	2.21
1-1/4 x 3	9900262	21000	399.00	1 1/4 - 7	3.09	4.50	2.50	7.95	1.00	2.28	2.61
1-1/2 x 3-1/2	9900271	24000	720.00	1 1/2 - 6	3.60	5.50	3.00	9.49	1.25	2.75	3.14

M-279 Metric

Size	Stock No.	Working Load Limit * (kg)	Weight per 100 (kg)	Dimensions (mm)						
				A** Thread	B	C	D	E	F	G
M 6	1045753	200	.03	M6 x 1.0	13.0	28.7	19.1	58.0	4.9	13.5
M 8	1045789	400	.05	M8 x 1.25	13.0	35.1	22.4	59.7	6.4	15.0
M 10	1045833	640	.08	M10 x 1.5	17.0	41.1	25.4	78.0	7.9	17.5
M 12	1045869	1000	.18	M12 x 1.75	20.5	49.5	30.2	94.0	9.7	23.1
M 16	1045913	1800	.4	M16 x 2.0	27.0	60.5	35.1	113	12.7	28.7
M 20	1045995	2500	.90	M20 x 2.5	30.0	70.0	38.1	129	16.0	35.1
M 24	1046029	4000	.95	M24 x 3.0	36.0	95.5	51.0	169	22.4	46.0
M 30	1046075	6000	1.6	M30 x 3.5	45.0	114	53.5	202	25.4	58.0
M 36	1046109	8500	2.7	M30 x 4.0	54.0	140	76.0	241	31.8	70.0

* Ultimate Load is 5 times the Working Load Limit. Maximum Proof Load is 2 times the Working Load Limit.

** On Request: Special threading, as forged bolts for customer conversion.

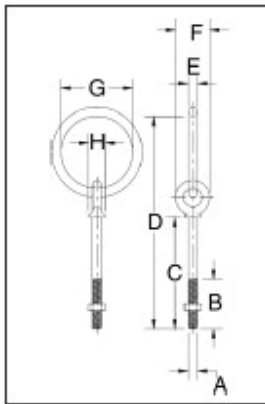
NORTHERN STRANDS

G-257



- Forged Steel - Quenched and Tempered.
- Hot Dip galvanized.
- All Bolts Hot Dip galvanized after threading.
- Diameter of ring stock is same as shank diameter.

G-257 Shoulder Nut Ring Bolts



Ring Bolt Size (in.)	G-257 Stock No. Galv.	Working Load Limit * (lbs.)	Weight Per 100 (lbs.)	Dimensions (in.)							
				A	B	C	D	E	F	G	H
3/8 x 4-1/2	1046335	1200	56.60	.38	2.50	4.50	7.66	.38	1.38	2.00	.66
1/2 X 6	1046371	2200	100.00	.50	3.00	6.00	10.00	.50	1.75	2.50	.91

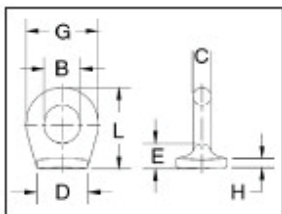
*Ultimate load is 5 times the working load limit.

S-264



- Forged Steel - Quenched and Tempered.
- Forged from 1035 Carbon Steel.
- Excellent welding qualities.
- Widely used on farm machinery, trucks, steel hulled marine vessels and material handling equipment.
- Reference American Welding Society specifications for proper welding procedures.

S-264 Pad Eyes



Size No.	S-264 Stock No. S.C.	Weight Per 100 (lbs.)	Dimensions (in.)						
			B	C	D	E	G	H	L
* 0	1090722	2.80	.25	.19	.63	.31	.63	.09	.75
* 1	1090740	6.50	.38	.25	.88	.41	.88	.13	1.03
* 1-1/2	1090768	10.40	.63	.25	1.00	.44	1.13	.16	1.31
2	1090786	21.10	.75	.38	1.06	.50	1.50	.19	1.63
4	1090802	52.20	1.00	.56	1.44	.78	2.13	.22	2.34
5	1090820	82.50	1.25	.69	1.75	.81	2.63	.25	2.75

* Meets the requirements of Military Specification MS-51930A

CROSBY® RING BOLTS - EYE PADS