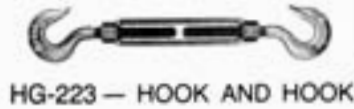


TURNBUCKLES



Hot dip galvanized forged steel, all end fittings except 1/4", 3/8" and 1/2" sizes quenched and tempered, bodies heat treated by normalizing. Outstanding design features include elongated turnbuckle eyes. For turnbuckle sizes, 1/4" through 2 1/2", shackles one size smaller can be reeved through turnbuckle eye. Mod thread an exclusive feature.



HG-223 — HOOK AND HOOK



HG-225 — HOOK AND EYE



HG-226 — EYE AND EYE



HG-227 — JAW AND EYE



HG-228 — JAW AND JAW



S-2510 — BODY ONLY

Bodies are self colored

Diameter And Take Up Inches	Average Overall With Ends in Closed Position (In.)	Weight Pounds Each			2510 Body Only Weight Pounds Each
		223-225 226 with Eyes or Hooks	HG 227 Jaw and Eye	HG 228 Jaw and Jaw	
* 1/4 x 4	8 1/4	.30	.32	.36	.15
* 3/8 x 4 1/2	9 1/4	.47	.47	.52	.19
* 1/2 x 6	11 1/4	.75	.76	.81	.29
1/2 x 6	13 1/4	1.60	1.53	1.50	.60
1/2 x 9	16 1/4	1.83	1.71	1.74	.68
1/2 x 12	19 1/4	2.08	2.06	2.40	1.60
3/4 x 6	15 1/2	2.75	2.35	2.72	.90
3/4 x 9	18 1/2	3.13	3.06	3.24	1.18
3/4 x 12	21 1/2	3.50	3.78	3.74	1.43
1/2 x 6	17	3.89	4.00	4.11	1.30
3/4 x 9	20	4.61	4.75	5.10	1.75
3/4 x 12	23	5.43	5.36	5.65	2.08
1/2 x 18	29	7.25	7.00	7.00	2.50
3/4 x 12	24 1/2	8.10	8.00	8.17	2.70
1/2 x 18	30 1/2	9.95	9.75	9.96	3.80
1 x 6	20 1/2	9.33	8.92	9.75	2.48
1 x 12	26 1/2	11.93	11.20	12.00	3.93
1 x 18	32 1/2	14.00	13.30	14.00	5.28
1 x 24	38 1/2	17.25	17.00	17.00	7.38
1 1/4 x 12	29 1/2	19.00	20.00	21.50	5.25
1 1/4 x 18	35 1/2	23.00	24.18	24.25	7.75
1 1/4 x 24	41 1/2	27.00	28.50	28.00	10.17
1 1/2 x 12	32 1/2	27.50	28.99	30.05	8.75
1 1/2 x 18	38 1/2	31.00	35.00	36.75	11.00
1 1/2 x 24	44 1/2	37.50	39.18	40.67	13.69
1 3/4 x 18	41 1/2	52.50	53.75	55.04	16.38
1 3/4 x 24	47 1/2	58.00	60.68	63.36	21.25
2 x 24	51 1/2	85.25	89.00	94.25	27.60
2 1/2 x 24	58 1/2	144.25	150.00	165.00	54.00
2 3/4 x 24	61 1/2	194.00	183.00	198.00	54.00

*Normalized

- Hot Dip galvanized.
- End fittings are Quenched and Tempered, bodies heat treated by normalizing.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckle sizes 1/4" through 2 1/2", a shackle one size smaller can be reeved through eye.
- Forged jaw ends are fitted with bolts and nuts on sizes 1/4" through 5/8", and pins and cotter pins on sizes 3/4" through 2 3/4"
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Lock Nuts available for all sizes.
- Crosby's Quenched and Tempered end fittings and normalized bodies have enhanced impact properties for greater toughness at all temperatures.
- Typical hardness levels, Tensile Strengths and Ductility Properties are available for all sizes.
- Turnbuckles can be furnished proof tested or magnaflex inspected with certificates if requested at time of order.
- Turnbuckle assembly combinations include: Eye and Eye, Hook and Hook, Hook and Eye, Jaw and Jaw, Jaw and Eye.

