

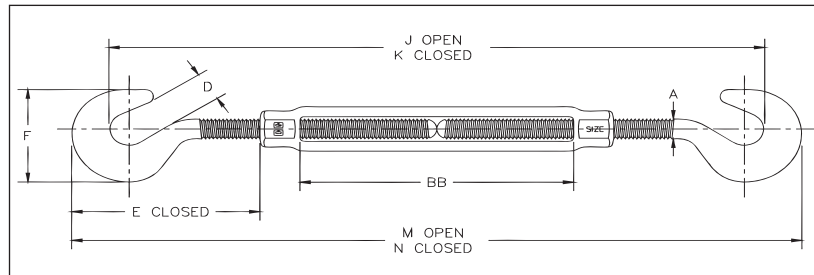
# Hook & Hook Turnbuckles



**HG -223**  
Hook & Hook

Meets the performance requirements of Federal Specifications FF-791b, Type 1 Form 1 - CLASS 5, and ASTM F-1145, except for those provisions required of the contractor. For additional information, see page 452.

- End fittings are Quenched and Tempered or Normalized, bodies heat treated by normalizing.
- Hot Dip galvanized steel.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- **TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.**
- Modified UNJ thread on end fittings for improved fatigue properties
- Body has UNC threads.
- Lock Nuts available for all sizes (see page 198).
- Comprehensive end fitting data provided on page 194.
- Fatigue Rated.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these turnbuckles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



## HG-223 Hook & Hook

Thread Dia. & Take Up (in)	HG-223 Stock No.	Working Load Limit (lb)*	Weight Each (lb)	Dimensions (in)								
				A	D	E Closed	F	J Open	K Closed	M Open	N Closed	BB
† 1/4 x 4	1030011	400	.33	.25	.44	.167	1.27	9.79	7.38	12.20	8.20	4.07
† 5/16 x 4-1/2	1030039	700	.52	.31	.50	2.00	1.50	11.58	8.58	14.08	9.58	4.58
† 3/8 x 6	1030057	1000	.83	.38	.56	2.28	1.77	15.23	10.62	17.84	11.84	6.10
1/2 x 6	1030075	1500	1.88	.50	.65	3.53	2.28	17.98	13.20	20.76	14.76	6.03
1/2 x 12	1030119	1500	2.77	.50	.65	3.51	2.28	30.27	19.49	33.05	21.05	12.36
5/8 x 6	1030137	2250	3.21	.63	.90	4.24	2.81	19.50	14.50	22.50	16.50	6.03
5/8 x 12	1030173	2250	4.58	.63	.90	4.23	2.81	31.84	20.84	34.84	22.84	12.39
3/4 x 6	1030191	3000	4.20	.75	.98	5.07	3.33	21.19	15.98	24.40	18.40	6.13
3/4 x 12	1030235	3000	6.92	.75	.98	5.04	3.33	33.59	22.38	36.80	24.80	12.59
3/4 x 18	1030253	3000	8.65	.75	.98	5.07	3.33	45.59	28.38	48.80	30.80	18.53
7/8 x 12	1030271	4000	9.85	.88	1.13	5.82	3.78	34.89	23.52	38.26	26.26	12.16
1 x 12	1030333	5000	14.8	1.00	1.25	6.56	4.25	36.59	25.06	40.12	28.12	12.18

\*Proof Load is 2.5 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit. † Mechanical Galvanized

Rigging Accessories