

# Jaw & Jaw Turnbuckles



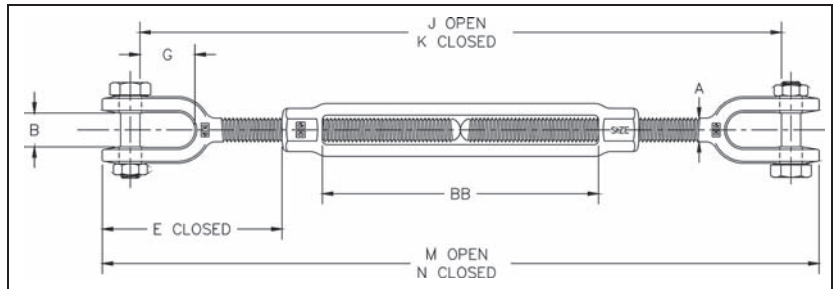
**Fatigue Rated**

## HG-228



Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - CLASS 7, and ASTM F-1145, except for those provisions required of the contractor. For additional information, see page 450.

- End fittings are Quenched and Tempered or Normalized, bodies heat treated by normalizing.
- Hot Dip galvanized steel.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Forged jaw ends are fitted with bolts and nuts for 6 mm through 16 mm, and pins and cotters on 19 mm through 70 mm sizes.
- Modified UNJ thread on end fittings for improved fatigue properties.
- Body has UNC threads.
- 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.
- Lock Nuts available for all sizes (see page 178).
- Comprehensive end fitting data provided on page 176.
- Fatigue Rated.



## HG-228 Jaw & Jaw

Thread Diameter & Take Up (mm)	HG-228 Stock No.	Working Load Limit (t)*	Weight Each (kg)	Dimensions (mm)								
				A	B	E Closed	G	J Open	K Closed	M Open	N Closed	BB
† 6.35 x 102	1032493	.23	.17	6.35	11.4	42.0	16.1	284	183	309	208	103
† 7.94 x 114	1032518	.36	.25	7.94	12.7	51.2	22.0	332	218	359	244	116
† 9.53 x 152	1032536	.54	.39	9.53	13.5	53.5	21.5	413	260	445	292	155
12.7 x 152	1032554	1.00	.83	12.7	16.3	81.8	27.1	474	321	512	359	153
12.7 x 229	1032572	1.00	1.04	12.7	16.3	81.3	27.1	633	405	671	443	238
12.7 x 305	1032590	1.00	1.23	12.7	16.3	81.3	27.1	786	481	824	519	314
15.9 x 152	1032616	1.59	1.46	15.9	20.1	99.1	33.5	501	349	554	402	153
15.9 x 229	1032634	1.59	1.79	15.9	20.1	98.8	33.5	662	434	715	487	239
15.9 x 305	1032652	1.59	2.08	15.9	20.1	98.8	33.5	815	510	868	563	315
19.1 x 152	1032670	2.36	2.18	19.1	24.6	120	38.5	536	383	601	449	156
19.1 x 229	1032698	2.36	2.65	19.1	24.6	119	38.5	698	470	764	535	244
19.1 x 305	1032714	2.36	3.05	19.1	24.6	119	38.5	851	546	916	612	320
19.1 x 457	1032732	2.36	3.83	19.1	24.6	120	38.5	1155	698	1221	764	471
22.2 x 305	1032750	3.27	4.25	22.2	29.5	140	44.8	880	575	956	651	309
22.2 x 457	1032778	3.27	5.34	22.2	29.5	140	44.8	1197	740	1272	815	473
25.4 x 152	1032796	4.54	4.74	25.4	34.0	155	52.1	605	453	690	538	157
25.4 x 305	1032812	4.54	6.25	25.4	34.0	155	52.1	910	605	995	690	309
25.4 x 457	1032830	4.54	7.77	25.4	34.0	155	52.1	1215	757	1300	843	462
25.4 x 610	1032858	4.54	9.51	25.4	34.0	154	52.1	1535	925	1620	1010	631
31.8 x 305	1032876	6.89	9.94	31.8	46.7	205	71.5	1000	695	1107	802	306
31.8 x 457	1032894	6.89	11.7	31.8	46.7	205	71.5	1305	848	1412	955	459
31.8 x 610	1032910	6.89	13.5	31.8	46.7	205	71.5	1624	1014	1731	1121	625
38.1 x 305	1032938	9.71	14.8	38.1	52.3	227	71.4	1035	731	1160	855	313
38.1 x 457	1032956	9.71	17.2	38.1	52.3	227	71.4	1340	883	1465	1008	465
38.1 x 610	1032974	9.71	19.7	38.1	52.3	227	71.4	1661	1051	1786	1176	633
44.5 x 457	1033018	12.7	24.3	44.5	66.0	238	85.0	1355	898	1503	1045	467
44.5 x 610	1033036	12.7	27.7	44.5	66.0	238	85.0	1660	1050	1807	1198	619
51.0 x 610	1033054	16.8	43.7	50.8	66.5	300	95.0	1769	1159	1949	1339	622
63.5 x 610	1033072	27.2	75.9	63.5	77.7	337	113	1853	1244	2087	1478	625
70.0 x 610	1033090	34.0	90.1	69.9	93.7	379	106	1899	1289	2172	1562	626

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

Rigging Accessories