

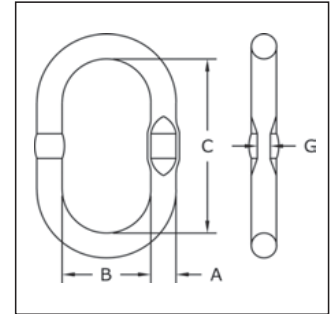
## Welded Master Links with Engineered Flat



**A-344**  
Welded Master Links

Ultimate Load is 5 times the Working Load Limit. Applications with wire rope and synthetic sling generally require a design factor of 5. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. \*\* Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. For use with chain slings, refer to page 245 for sling ratings and page 240 for proper master link selection.

- Alloy Steel — Quenched and Tempered.
- Individually Proof Tested to values shown, with certification
- Proof Tested with 60% inside width special fixtures sized to prevent localized point loading per ASME A-952 , reference page 276.
- Forgings have a Product Identification Code (PIC) for material traceability, along with the size, the name Crosby and USA in raised lettering.
- Selected sizes designated with "W" in the size column have enlarged inside dimensions to allow additional room for sling hardware and crane hook.
- Crosby 12mm to 57mm 344/347 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested, MPI and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request. Refer to page 164 for Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting appliances - Loose Gear.
- Incorporates patented **QUIC-CHECK®** deformation indicators.
- Meets or exceeds all requirements of ASME B30.26 including identification ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



### A-344 Welded Master Links with Engineered Flat

Size		A-344 Stock No.	Weight Each (kg)*	Working Load Limit (t)*	Proof Load (kN)**	Dimensions (mm)				Engineered Flat Size for S-1325A (mm)
(mm)	(in)					A	B	C	G	
12	7/16	1256862	.30	1.60	39	12.0	60.0	120	6.50	6
13	1/2	1256932	.36	2.50	61	13.0	60.0	120	6.50	7-8
17	11/16	1257002	.86	4.10	101	17.0	90.0	160	8.50	10
19	3/4	1257072	1.08	6.70	164	19.0	90.0	160	8.50	10
20	3/4	1257082	1.17	6.70	164	20.0	80.0	150	-	-
22	7/8	1257214	1.59	8.50	208	22.0	90.0	170	-	-
22	7/8	1257212	1.63	8.50	208	22.0	100	180	10.5	13
22	7/8	1257215	2.39	6.30	154	22.0	145	275	-	-
25	1	1257282	2.43	11.5	282	25.0	115	210	13.5	16
25	1	1257302	2.31	11.5	282	25.0	100	190	-	-
25	1	1257332	3.35	8.90	218	25.0	145	275	-	-
28	1-1/8	1257352	3.22	12.9	316	28.0	110	210	-	-
28	1-1/8	1257382	3.91	13.0	319	28.0	145	275	13.5	16
31	1-7/32	1257422	4.86	17.0	417	31.0	145	275	15.5	-
32	1-1/4	1257442	5.30	17.0	417	32.0	140	270	-	-
36	1-7/16	1257492	6.87	24.0	588	36.0	155	285	-	-
38	1-1/2	1257502	7.63	31.5	772	38.0	140	270	-	-
40	1-9/16	1257532	8.96	28.1	689	40.0	160	300	-	-
45	1-3/4	1257569	10.31	32.0	785	45.0	140	250	-	-
45	1-3/4	1257564	12.70	38.3	939	45.0	170	320	-	-
45	1-3/4	1257562	12.82	38.3	939	45.0	180	340	-	-
50	1-31/32	1257582	17.60	45.0	1103	50.0	200	380	-	-
51	2	1257632	18.72	45.0	1103	51.0	215	390	-	-
57	2-1/4	1257652	24.5	65.3	1601	57.0	203	406	-	-

\*Ultimate Load is 5 times the Working Load Limit. The maximum individual sublink working load limit is 75% of the assembly working load limit except for 63.5 and 70mm, which are 100% of assembly working load limit. Applications with wire rope and synthetic sling generally require a design factor of 5. \*\*There are no manufactured flats on links over 31mm (24.4). \*\*Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9.



For use with chain slings, refer to page 245 for sling ratings and page 243 for proper master link selection.