

Alloy Master Links

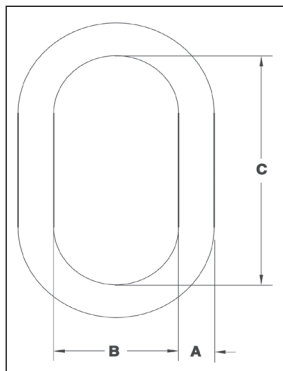
Load Rated Fatigue Rated QUIC-CHECK MAXTOUGH

A-342



- 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 251.
- 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.
- 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 32mm to 51mm 342/345 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 147 for Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting applications - Loose Gear.
- Incorporates patented QUIC-CHECK® deformation indicators.

A-342 Alloy Master Links



Size		A-342 Stock No	Weight Per (kg)	WLL S.F.= 5/1 for Rope (t)	Proof Load (kN)**	Dimensions (mm)			
(mm)	(in.)					B	C	Deformation Indicator	
13W	1/2W	1014266	0.59	3.40	77	15.7	71.1	127	89
16	5/8	1014280	0.69	4.00	80	15.7	76.2	152	89
19W	3/4W	1014285	0.91	5.60	126	18.5	81.3	152	102
22W	7/8W	1014319	1.50	6.90	157	22.4	95.3	162	114
26W	1W	1014331	2.77	11.8	267	27.9	109	191	140
32W	1-1/4W	1014348	5.44	17.7	402	33.8	140	241	178
38W	1-1/2W	1014365	8.44	27.7	628	40.9	150	267	191
44	1-3/4	1014388	11.4	38.5	756	44.5	152	305	191
51	2	1014404	16.8	46.5	913	50.8	178	356	229
57	2-1/4	1014422	24.5	64.9	1287	57.2	203	406	254
63	2-1/2	1014468	31.1	72.6	1423	63.5	213	406	279
70	2-3/4	1014440	42.6	98.4	1930	69.9	251	457	318
76	3	1014486	52.0	103	2029	76.2	251	457	330
83	3-1/4	1014501	66.0	119	2332	82.6	254	508	343
89	3-1/2	1014529	91.0	126	2483	88.9	305	610	394
95	3-3/4	1015051	90.0	152	2990	95.3	254	508	343
102	4	1015060	120	169	3319	102	305	610	406
†† 108	†† 4-1/4	1015067	137	160	3150	108	305	610	-
†† 114	†† 4-1/2	1015079	156	163	3202	114	356	711	-
†† 121	†† 4-3/4	1015088	198	176	3460	121	356	711	-
†† 127	†† 5	1015094	234	179	3515	127	381	762	-

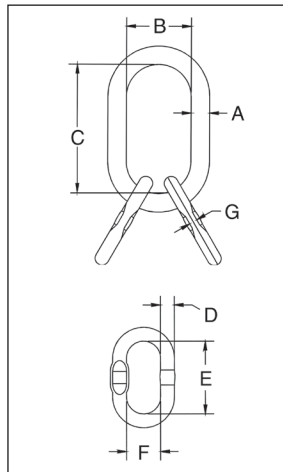
A-345



*Ultimate Load is 5 times the Working Load Limit. 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. Applications with wire rope and synthetic sling generally require a design factor of 5. ** Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. †† Welded Master Link.

For use with chain slings, refer to page 216 for sling ratings and page 214 for proper master link selection.

A-345 Master Link Assembly with Engineered Flat for use with S-1325A coupler link.



Size		A-345 Stock No	Weight Per (kg)	Working Load Limit Based on 5:1 Design Factor (t)	Proof Load (kN)**	Dimensions (mm)							
(mm)	(in.)					A	B	C	D	E	F	G	Deformation Indicator
19W	3/4W	1014739	1.59	5.6	126	18.5	81.3	152	14.2	85.1	45.0	7.62	102
22W	7/8W	1014742	2.18	6.9	157	22.4	95.3	162	14.2	85.1	45.0	7.62	114
26W	1W	1014766	4.22	11.8	267	27.9	109	191	19.1	100	59.9	8.38	140
32W	1-1/4W	1014779	7.17	17.7	402	33.8	140	241	25.4	160	89.9	13.0	178
38W	1-1/2W	1014807	15.47	27.7	628	40.9	150	267	31.8	180	100	16.5	191
44	1-3/4	1014814	20.9	38.5	755	44.5	152	305	35.1	203	127	18.5	191
51	2	1014832	30.4	46.5	912	50.8	178	356	38.1	229	146	-	229
64	2-1/2	1014855	93.4	72.6	1423	63.5	213	406	63.5	406	213	-	279
70	2-3/4	1014864	128	98.4	1929	69.9	457	457	69.9	457	251	-	318
102	4	1014999	303	169	3319	102	305	610	89.0	610	305	-	394***

*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 2-1/2" and 2-3/4", which are 100% of assembly working load limit. Applications with wire rope and synthetic sling generally require a design factor of 5. ** 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 216 for sling ratings and page 214 for proper master link selection.