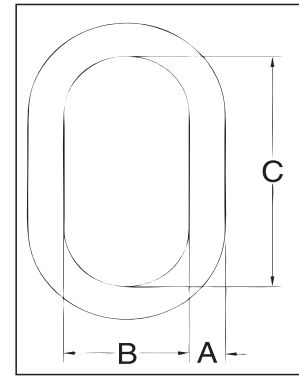




**A-342**  
Alloy Master  
Links

- Alloy Steel — Quenched and Tempered.
- Individually Proof Tested to values shown, with certification.
- Proof Tested with special fixtures sized to prevent localized point loading. See foot notes, and 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 7/8” to 2” 342 master links are type approved to DNV GL-ST-E271-2.7-1 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.



Load Rated

Fatigue Rated



**A-342 Alloy Master Links**

Size		A-342 Stock No	Weight Each (lbs.)	Working Load Limit (lbs.)*	Proof Load (lbs.)**	Dimensions (in.)			
(in.)	(mm)					A	B	C	Deformation Indicator
1/2W	13W	1014266	1.3	7400	17200	.62	2.80	5.00	3.50
5/8	16	1014280	1.5	9000	18000	.62	3.00	6.00	3.50
3/4W	19W	1014285	2.0	12300	28400	.73	3.20	6.00	4.00
7/8W	22W	3522213	3.3	15200	†38000	.88	3.75	6.38	4.50
1W	26W	3522214	6.1	26000	†65000	1.10	4.30	7.50	5.50
1-1/4W	32W	3522215	12.0	39100	†97750	1.33	5.50	9.50	7.00
1-1/2W	38W	3522216	18.6	61100	†152750	1.61	5.90	10.50	6.50
1-3/4	44	3522217	25.2	84900	†212250	1.75	6.00	12.00	7.50
2	51	3522218	37.0	102600	†256500	2.00	7.00	14.00	9.00
2-1/4	57	1014422	54.1	143100	289200	2.25	8.00	16.00	10.00
2-1/2	63	1014468	68.5	160000	320000	2.50	8.38	16.00	11.00
2-3/4	70	1014440	94.0	216900	433800	2.75	9.88	18.00	12.50
3	76	1014486	115	228000	456000	3.00	9.88	18.00	13.00
3-1/4	83	1014501	145	262200	524400	3.25	10.00	20.00	13.50
3-1/2	89	1014529	200	279000	558000	3.50	12.00	24.00	15.50
3-3/4	95	1015051	198	336000	672000	3.75	10.00	20.00	13.50
4	102	1015060	264	373000	746000	4.00	12.00	24.00	16.00
†† 4-1/4	†† 108	1015067	302	354000	708000	4.25	12.00	24.00	-
†† 4-1/2	†† 114	1015079	345	360000	720000	4.50	14.00	28.00	-
†† 4-3/4	†† 121	1015088	436	389000	778000	4.75	14.00	28.00	-
†† 5	†† 127	1015094	516	395000	790000	5.00	15.00	30.00	-

\*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. †Offshore Container Master Links Proof Tested to 2.5 times the Working Load Limit with 70 percent fixtures. †† Welded Master Link.



For use with chain slings, refer to page 243 for sling ratings and page 240 for proper master link selection.

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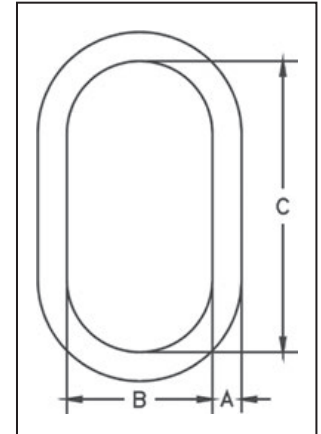
# Alloy Master Links



**A-342**  
Alloy Master Link

**Ratings below are for use with chain slings fabricated in accordance with ASME B30.9. For other applications, see pages 160.**

- Alloy Steel – Quenched and Tempered.
- Proof Tested with special fixtures sized to prevent localized point loading. See pages 160 and 276 for proof test values and fixtures.
- Crosby 7/8" to 2" 342 master links are type approved to DNV GL-ST-E271-2.7-1 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.
- 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.
- Incorporates patented **QUIC-CHECK®** deformation indicators.



Chain & Accessories

## A-342 Alloy Master Links

Size		A-342 Stock No.	Weight Each (lbs.)	Chain Size		Single Leg		Double Leg		Dimensions (in.)			
(in.)	(mm)			(in.)	(mm)	WLL Based on Grade 80 Chain (lbs.)*	WLL Based on Grade 100 Chain (lbs.)*	WLL Based on Grade 80 Chain 60° Sling Angle (lbs.)*	WLL Based on Grade 100 Chain 60° Sling Angle (lbs.)*	A	B	C	Deformation Indicator
1/2W	13W	1014266	1.3	1/4	7	3500	4300	6100	7400	.62	2.80	5.00	3.50
				5/16	8	4500	5700	-	-				
5/8	16	1014280	1.5	5/16	8	4500	5700	7800	-	.62	3.00	6.00	3.50
				3/8	10	7100	8800	12300	-				
3/4W	19W	1014285	2.0	5/16	8	4500	5700	-	9900	.73	3.20	6.00	4.00
				3/8	10	7100	8800	12300	15200				
7/8W	22W	3522213	3.3	1/2	13	12000	15000	-	-	.88	3.75	6.38	4.50
				1/2	13	12000	15000	20800	26000				
1W	26W	3522214	6.1	5/8	16	18100	22600	-	-	1.10	4.30	7.50	5.50
				5/8	16	18100	22600	31300	39100				
1-1/4W	32W	3522215	12.0	3/4	20	28300	35300	-	-	1.33	5.50	9.50	7.00
				3/4	20	28300	35300	49000	61100				
1-1/2W	38W	3522216	18.6	7/8	22	34200	42700	-	-	1.61	5.90	10.50	7.50
				7/8	22	34200	42700	59200	74000				
1-3/4	44	3522217	25.2	1	26	47700	59700	-	-	1.75	6.00	12.00	7.50
				1	26	47700	59700	82600	103400				
2	51	3522218	37.0	1-1/4	32	72300	90400	-	-	2.00	7.00	14.00	9.00
				1-1/4	32	72300	90400	125200	-				
2-1/4	57	1014422	54.1	1-1/4	32	-	-	125200	-	2.25	8.00	16.00	10.00
2-1/2	63	1014468	68.5	1-1/4	32	72300	90400	125200	156600	2.5	8.38	16.00	11.00

\* Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to page 160 to determine products actual Ultimate Load. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1.4 for the chain size and number of legs. See chart on page 240 for other sling angles.

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