

Crosby® Swivel Hooks



SEE APPLICATION AND WARNING INFORMATION

Para Español: www.thecrosbygroup.com

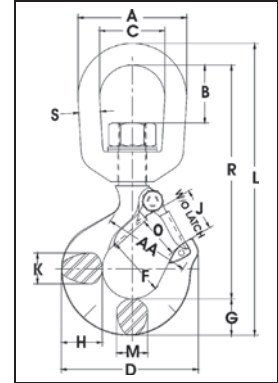
On Pages 128-129

S-322CN / S-322AN



(L-322AN shown)

- Forged - Quenched and Tempered.
- Swivel hooks are load rated.
- Proper design, careful forging, and precision controlled quench and tempering gives maximum strength without excessive weight and bulk.
- Low profile hook tip designed to utilize Crosby S-4320 or PL-N latch kit. Simply purchase the latch assemblies listed and shown on pages 107 - 108. Even years after purchase of the original hook, latch assemblies can be added.
- Hoist hooks incorporate markings forged into the product which address two (2) **QUIC-CHECK®** features:
 - **Deformation Indicators** -- Two strategically placed marks, one just below the shank or eye and the other on the hook tip, which allows for a **QUIC-CHECK®** measurement to determine if the throat opening has changed, thus indicating abuse or overload.
 - **Angle Indicators** — Indicates the maximum included angle which is allowed between two (2) sling legs in the hook. These indicators also provide the opportunity to approximate other included angles between two sling legs.
- Type Approval and certification in accordance with ABS 2006 Steel Vessel Rules 1-1-17.7, and ABS Guide for Certification of Cranes.



This hook is a positioning device and is not intended to rotate under load. For swivel hooks designed to rotate under load, see pages 103, 105, 113, 114, 122-125. Use in corrosive environment requires shank and nut inspection in accordance with ASME B30.10-1.10.4(b)(5)(c) 2009.

- U.S. Patents 5,381,650 & 5,193,480 & 5,103,755 and foreign equivalents.

Working Load Limit (t)*		S-322 CN Stock No.	S-322 AN Stock No.	Weight Each (kg)	Dimensions (mm)																Rep. Latch Stock No.
Carbon	Alloy				A	B	C	D	F	G	H	J	K	L	M	O†	R	S	AA		
.75	1.25	1048600	1048804	.34	51.0	20.8	31.8	72.5	31.8	18.5	20.6	23.6	16.0	144	16.0	23.6	116	9.65	38.1	1096325	
1	1.60	1048609	1048813	.57	63.5	33.3	38.1	80.0	35.1	21.3	23.9	24.6	18.0	170	18.0	24.6	136	12.7	50.8	1096374	
1.6	2.50	1048618	1048822	1.02	76.0	38.1	44.5	91.0	38.1	25.4	29.5	26.9	22.4	197	22.4	26.9	155	16.0	50.8	1096421	
2	3.20	1048627	1048831	1.04	76.0	38.1	44.5	102	41.1	28.7	33.3	30.2	23.9	210	23.9	29.5	165	16.0	50.8	1096468	
3.2	5.4	1048636	1048837	2.25	89.0	41.7	50.8	123	51.0	36.6	41.4	38.1	33.3	246	28.7	35.8	191	19.1	63.5	1096515	
5	8.0	1048645	1048854	4.67	116	58.0	63.5	160	63.5	46.0	52.5	45.2	42.2	317	36.6	42.9	245	25.4	76.2	1096562	
7.5	11.5	1048654	1048865	8.80	127	64.5	70.0	192	76.0	57.0	67.0	51.0	47.8	375	41.4	56.5	289	28.7	101	1096609	
10	16	1048663	1048877	10.5	143	63.0	79.0	212	82.5	66.0	74.5	66.5	55.5	417	49.3	61.0	311	31.8	101	1096657	
15	22	1048672	1048886	21.3	180	95.5	104	263	108	76.0	89.0	86.5	68.5	542	60.5	81.0	424	38.1	127	1096704	
-	31.5	-	1025688	32.0	180	95.5	104	346	127	93.0	118	102	72.5	590	76.2	82.6	459	38.1	165	1093716	

* NOTE: Carbon swivel hooks .75tC-15tC: proof load is 2 times working load limit. Designed with a 5 to 1 safety factor.
 Alloy swivel hooks 1.25tA-31.5tA : proof load is 2.5 times working load limit. Designed with a 4 to 1 safety factor.
 Alloy swivel hook 30tA: proof load is 2 times working load limit. Designed with a 4 to 1 design factor.
 † Dimensions for hooks 3/4t carbon thru 22t alloy are for S-4320 latch kits. Dimensions for hooks 31.5 ton alloy are for PL latch kit.

Working Load Limit (t)*		S-322 CN Stock No.	S-322 AN Stock No.	Weight Each (kg)	Dimensions (mm)																Rep. Latch Stock No.
Carbon	Alloy				A	B	C	D	F	G	H	J	K	L	M	O†	R	S	AA		
.75	1.25	1048603	1048807	.34	51.0	20.8	31.8	72.5	31.8	18.5	20.6	23.6	16.0	144	16.0	23.6	116	9.65	38.1	1096325	
1	1.60	1048612	1048816	.57	63.5	33.3	38.1	80.0	35.1	21.3	23.9	24.6	18.0	170	18.0	24.6	136	12.7	50.8	1096374	
1.6	2.50	1048621	1048825	1.02	76.0	38.1	44.5	91.0	38.1	25.4	29.5	26.9	22.4	197	22.4	26.9	155	16.0	50.8	1096421	
2	3.20	1048630	1048834	1.04	76.0	38.1	44.5	102	41.1	28.7	33.3	30.2	23.9	210	23.9	29.5	165	16.0	50.8	1096468	
3.2	5.4	1048639	1048840	2.25	89.0	41.7	50.8	123	51.0	36.6	41.4	38.1	33.3	246	28.7	35.8	191	19.1	63.5	1096515	
5	8.0	1048648	1048859	4.67	116	58.0	63.5	160	63.5	46.0	52.5	45.2	42.2	317	36.6	42.9	245	25.4	76.2	1096562	
7.5	11.5	1048657	1048868	8.80	127	64.5	70.0	192	76.0	57.0	67.0	51.0	47.8	375	41.4	56.5	289	28.7	101	1096609	
10	16	1048666	1048880	10.5	143	63.0	79.0	212	82.5	66.0	74.5	66.5	55.5	417	49.3	61.0	311	31.8	101	1096657	
15	22	1048675	1048889	21.3	180	95.5	104	263	108	76.0	89.0	86.5	68.5	542	60.5	81.0	424	38.1	127	1096704	
-	31.5	-	-	32.0	180	95.5	104	346	127	93.0	118	102	72.5	590	76.2	82.6	459	38.1	165	1093716	

* NOTE: Carbon swivel hooks .75tC-15tC: proof load is 2 times working load limit. Designed with a 5 to 1 safety factor.
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