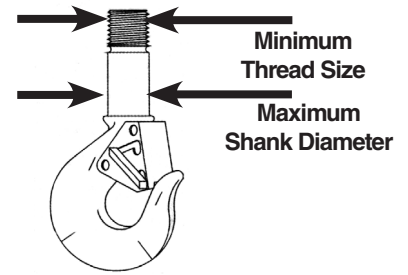


READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE USING HOOKS IMPORTANT – BASIC MACHINING AND THREAD INFORMATION

- Wrong thread and/or shank size can cause stripping and loss of load.
- The maximum diameter is the largest diameter, after cleanup, that could be expected after allowing for straightness, pits, etc.
- All threads must be Class 2 or better.
- The minimum thread length engaged in the nut should not be less than one (1) thread diameter. Install a properly sized retention device to secure the nut to the hook shank after the nut is properly adjusted at assembly. Nut retention devices such as set screws or roll pins are suitable for applications using anti-friction thrust bearings or bronze thrust washers. If the hook is intended for other applications that introduce a higher torque into the nut, a more substantial retaining device may be required.
- Hook shanks are not intended to be swaged on wire rope or rod. See S319SWG for hook designed for swaging.
- Hook shanks are not intended to be drilled (length of shank) and internally threaded.

- Crosby can not assume responsibility for, (A) the quality of machining, (B) the type of application, or (C) the means of attachment to the power source or load.
- Consult the Crosby Hook Identification & Working Load Limit Chart (See below) for the minimum thread size for assigned Working Load Limits (WLL).†
- Remove from service any Hook which has threads corroded more than 20% of the nut engaged length.



CROSBY HOOK IDENTIFICATION & WORKING LOAD LIMIT CHART†

Hook Identification			Working Load Limit (t)					Maximum Shank Diameter after Machining (in.)	Minimum Thread Size	
319-C 319-CN 320-C 320-CN 322-C 322-CN	319-AN 320-A 320-AN 322-A 322-AN 3319 3322B	319-BN	319-C 319-CN 320-C 320-CN 322-C 322-CN	319-A 319-AN 320-A 320-AN 322-A 322-AN S-3322B	319-BN	S-3319	319-C 319-CN (Carbon)		319-A 319-AN (Alloy) 319-BN (Bronze)	
DC	DA	DB	.75	1	.5	—	.53	1/2 - 13unc	1/2 - 13 unc	
FC	FA	FB	1	1.5	.6	—	.62	5/8 - 11unc	5/8 - 11 unc	
GC	GA	GB	1.5	2	1	—	.66	5/8 - 11unc	5/8 - 11 unc	
HC	HA	HB	2	3	1.4	1.63	.81	3/4 - 10unc	3/4 - 10 unc	
IC	IA	IB	3	*4.5 / 5	2.0	2.5	1.03	7/8 - 9unc	7/8 - 9 unc	
JC	JA	JB	5	7	3.5	4.5	1.27	1-1/8 - 7unc	1-1/8 - 7 unc	
KC	KA	KB	7.5	11	5.0	—	1.52	1-1/4 - 7unc	1-3/8 - 6 unc	
LC	LA	LB	10	15	6.5	—	1.75	1-5/8 - 8un	1-5/8 - 8 un	
NC	NA	NB	15	22	10	—	2.00	2 - 8un	2 - 8 un	
OC	OA	—	20	30	—	—	2.50	2-1/4 - 8un	2-1/4 - 8 un	
PC	PA	—	25	37	—	—	3.50	2-3/4 - 8un	2-3/4 - 8 un	
SC	SA	—	30	45	—	—	3.50	3 - 8un	3 - 8 un	
TC	TA	—	40	60	—	—	4.00	3-1/4 - 8un	3-1/2 - 8 un	
UC	UA	—	50	75	—	—	4.50	3-3/4 - 8un	4 - 4 unc	
—	WA	—	—	100	—	—	6.12	—	4-1/2 - 8 un	
—	XA	—	—	150	—	—	6.38	—	5-1/2 - 8 un	
—	YA	—	—	200	—	—	7.00	—	6-1/4 - 8 un	
—	ZA	—	—	300	—	—	8.62	—	7-1/2 - 8 un	

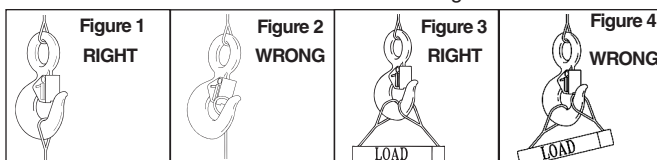
* 319AN, 320-AN, 3322 and 322AN are rated at 5 tons.

† Working Load Limit - The maximum mass or force which the product is authorized to support in general service when the pull is applied in-line, unless noted otherwise, with respect to the centerline of the product. This term is used interchangeably with the following terms: 1. WLL, 2. Rated Load Value, 3. SWL, 4. Safe Working Load, 5. Resultant Safe Working Load.

Warning and Application Instructions For Crosby® Hook Latch Kit

Important Safety Information – Read & Follow

- Always inspect hook and latch before using.
- Never use a latch that is distorted or bent.
- Always make sure spring will force the latch against the tip of the hook.
- Always make sure hook supports the load. The latch must never support the load. (See Figure 1 & 2)
- When placing two (2) sling legs in hooks, make sure the angle between the legs is less the 90° and if the hook or load is tilted, nothing bears against the bottom of this latch. (See Figures 3 & 4)
- Latches are intended to retain loose sling or devices under slack conditions.
- Latches are not intended to be an anti-fouling device.



⚠ WARNING

- Loads may disengage from hook if proper procedures are not followed.
- A falling load may cause serious injury or death.
- See OSHA Rule 1926.1431(g)(4)(iv)(B) and 1926.1501(g)(1)(i)(A) for personnel hoisting for cranes and derricks. Only a Crosby or McKissick hook with a PL Latch attached and secured with bolt, nut and cotter (or Crosby Toggle Pin) or a Crosby hook with a S-4320 Latch attached and secured with a cotter pin, or a Crosby SHUR-LOC® hook in the locked position may be used for any personnel hoisting. A hook with a Crosby SS-4055 latch attached shall NOT be used for personnel lifting.
- Hook must always support the load. The load must never be supported by the latch.
- Read and understand these instructions before using hook and latch.