

YOKE SELF LOCKING HOOK WARNING AND APPLICATION INSTRUCTIONS



8-025

8-026

8-027

8-027N

WARNING

- Loads may disengage from hook if proper procedures are not followed.
- A falling load may cause serious injury or death.
- Positive locking latch will unlock when trigger is depressed. Never use hook unless hook and latch are fully closed and locked.
- Keep body parts clear of pinch point between hook tip and hook latch when closing.
- Keep hand(s) from between throat of hook and sling or other device.
- Do not use hook tip for lifting.
- Shank threads may corrode and/or strip and drop the load.
- Remove securement nut to inspect threads for corrosion or to replace 8-027 bearing washers and or 8-027N thrust bearing.
- Never apply more force than the hook's assigned Working Load Limit (WLL) rating.
- Use only genuine YOKE parts as replacements.
- Read and understand these instructions before using hook.

Important Safety Information - Read and Follow

- A visual periodic inspection for cracks, nicks, wear, gouges and deformation as part of a comprehensive documented inspection program, should be conducted by trained personnel in compliance with the schedule in ANSI B30.10.
- For hooks used in frequent load cycles, pulsating loads, or severe duty as defined by ASME B30.10, the hook and threads should be periodically inspected by Magnetic Particle or Dye Penetrant. (Note: Some disassembly may be required.)
- Never use a hook whose throat opening has been increased 5%, not to exceed 1/4" (6mm), or shows any visible apparent bend or twist from the plane of the unbent hook, or is in any other way distorted or bent. **NOTE: A latch will not work properly on a hook with a bent or worn tip.**
- Never use a hook that is worn beyond the limits shown in Figure 1.
- Remove from service any hook with a crack, nick, or gouge. Hooks with a nick, or gouge shall be repaired by grinding lengthwise, following the contour of the hook, provided that the reduced dimension is within the limits shown in Figure 1. Contact YOKE Engineering to evaluate any crack.

- Never repair, alter, rework, or reshape a hook by welding, heating, burning, or bending.
- Never side load, back load or tip load a hook. Side loading, back loading and tip loading are conditions that damage and reduce the capacity of the hook. (See Figure 2)
- 8-027 can be used for limited rotations under load, (infrequent, non-continuous).
- Efficiency of synthetic sling material may be reduced when used in eye or bowl of hook.
- Always make sure the hook supports the load. (See Figure 3).

* For two legged slings with angles greater than 90°, use an intermediate link such as a master link or bolt type shackle to collect the legs of the slings. The intermediate link can then be placed over the hook to provide an in-line load on the hook. This approach must also be used when using slings with three or more legs.

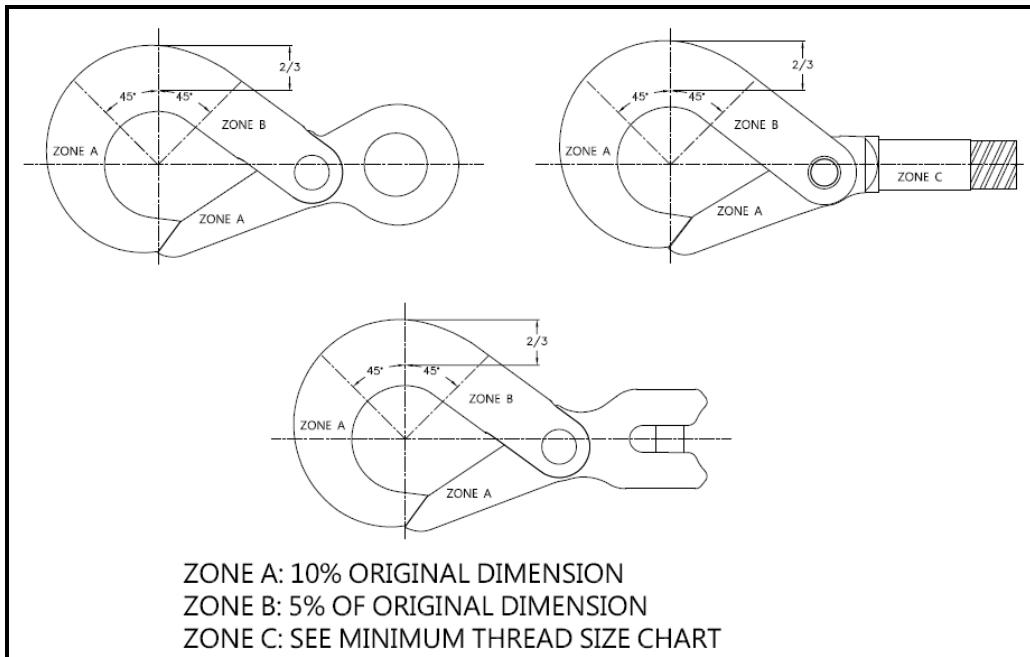


FIGURE 1

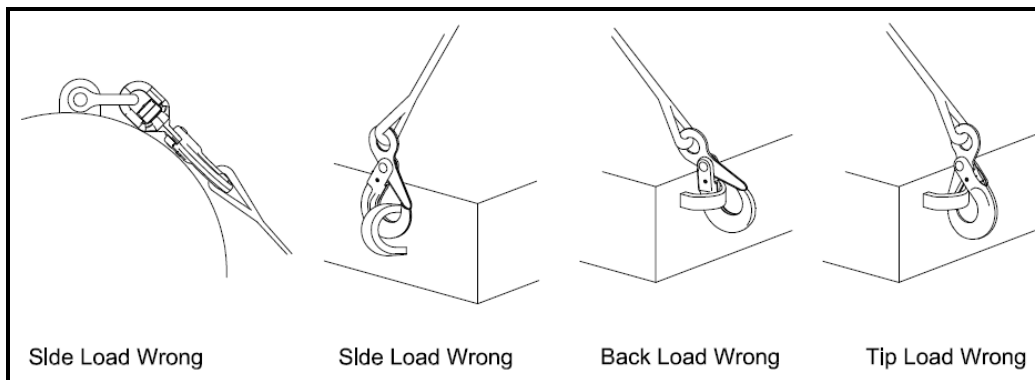


FIGURE 2

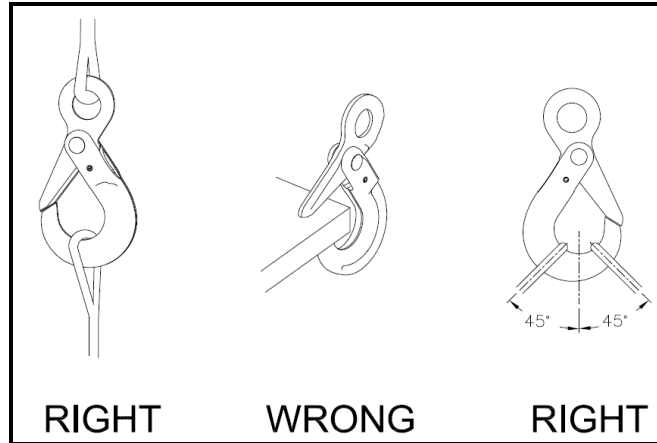
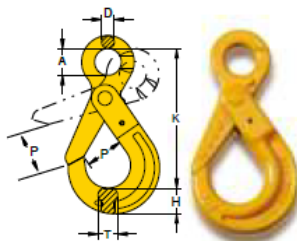


FIGURE 3

Important Basic Machining and Thread Information Read and Follow

- 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.
- Hook shanks are not intended to be swaged on wire rope or rod.
- Hook shanks are not intended to be drilled (length of shank) and internally threaded.
- YOKE cannot 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 YOKE 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.

Eye Self Locking Hook.



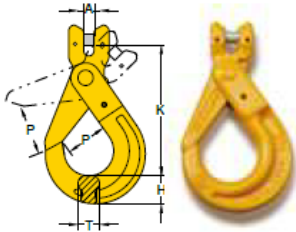
Item No.	Working Load Limit tonnes*	For	Dimensions (mm)						N.W. kg
		Grade 80 Chain	A	D	H	K	P	T	
8-025-06	1.12	6	21	10	19	110	28	15	0.5
8-025-07	2.0	7,8	25	11	24	136	34	20	0.8
8-025-10	3.15	10	33	13	30	167	44	26	1.4
8-025-13	5.3	13	40	16	39	207	51	30	3.0
8-025-16	8.0	16	50	21	49	252	61	36	5.8
8-025-20	12.5	18, 20	62	23	62	281	91	48	8.5
8-025-22	15.0	22	70	24	63	319	80	49	12.5
8-025-26	21.2	26	80	25	69	343	99	56	14.0
8-025-28	25.0	28	92	28	81	405	123	63	26.0



Type Approval

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677

Clevis Self Locking Hook.



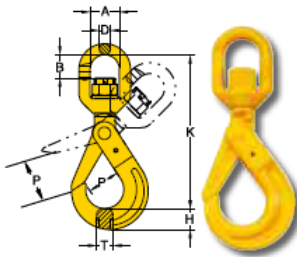
Item No.	Working Load Limit tonnes*	For Grade 80 Chain mm	Dimensions (mm)					N.W. kg
			A	H	K	P	T	
8-026-06	1.12	6	7	19	93	28	15	0.5
8-026-07	2.0	7, 8	9	24	119	34	20	0.8
8-026-10	3.15	10	12	30	143	44	26	1.4
8-026-13	5.3	13	15	39	179	51	30	2.9
8-026-16	8.0	16	18	49	212	61	36	5.6
8-026-20	12.5	18, 20	21	62	243	91	48	9.0
8-026-22	15.0	22	24	63	273	80	49	13.0



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Swivel Self Locking Hook.

with Brass Bushing



Item No.	Working Load Limit tonnes*	For Grade 80 Chain mm	Dimensions (mm)							N.W. kg
			A	B	D	H	K	P	T	
8-027-06	1.12	6	32	25	12	19	149	28	15	0.7
8-027-07	2.0	7, 8	36	30	14	24	186	34	20	1.2
8-027-10	3.15	10	41	38	16	30	218	44	26	2.0
8-027-13	5.3	13	46	48	22	39	276	51	30	4.1
8-027-16	8.0	16	61	56	24	49	329	61	36	7.2
8-027-20	12.5	18, 20	74	86	26	62	403	91	48	11.5
8-027-22	15.0	22	97	98	33	63	457	80	49	18.6
8-027-26	21.2	26	123	120	26	69	535	99	56	31.9

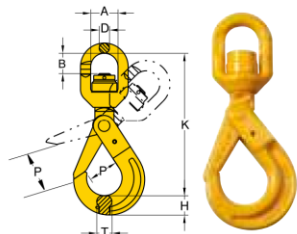


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⚠ WARNING INFORMATION: This hook is a positioning device and is not intended to rotate under load. For swivel hooks designed to rotate under load, see p.129 8-027N .

Swivel Self Locking Hook.

with Ball Bearing, which performs full swivel underload



Item No.	Working Load Limit tonnes*	For Grade 80 Chain mm	Dimensions (mm)							N.W. kg
			A	B	D	H	K	P	T	
8-027N-06	1.12	6	32	23	12	19	149	28	15	0.7
8-027N-07	2.0	7, 8	36	29	14	24	186	34	20	1.2
8-027N-10	3.15	10	41	34	16	30	218	44	26	2.0
8-027N-13	5.3	13	46	44	22	39	276	51	30	4.2
8-027N-16	8.0	16	61	51	24	49	329	61	36	7.3
8-027N-20	12.5	18, 20	74	82	26	62	403	91	48	11.7
8-027N-22	15.0	22	97	96	33	63	457	80	49	18.0
8-027N-26	21.2	26	123	116	26	69	535	99	56	32.0



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