TAS46 SERIES - "SPIDER" TORQUE ARRESTOR

APPLICATIONS:

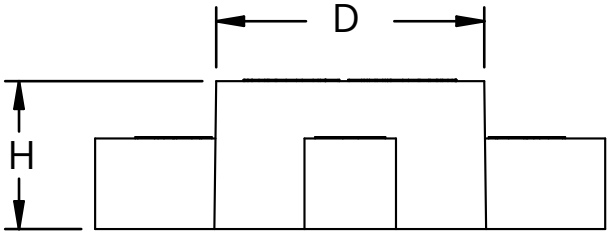
- Installs on drop pipe just above discharge of submersible pump, and protects pump and power cables from starting torque damage.
- Designed to fit a 6" ID well casing. Tabs can be cut in field to fit 4" to 5" wells.
- Used to ensure that the pump and piping remain centered in the well during pump installation and removal to prevent damage to the pump and cable due to contact with the well casing, or rock formation.

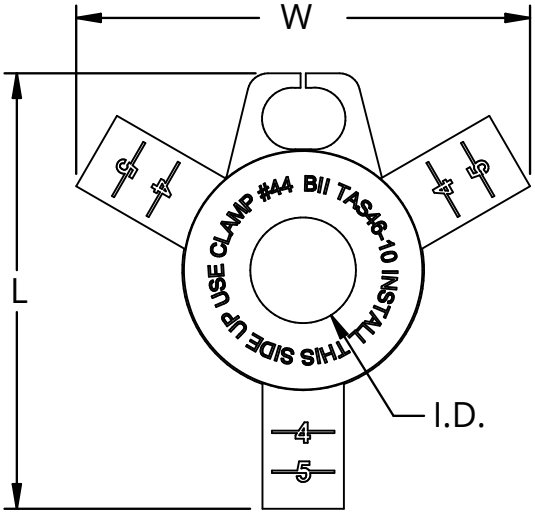
FEATURES:

- Easily secured to drop pipes with a gear clamp (Not Included).
- Unique wire guard feature.
- Casing size is clearly marked for ease of cutting down from the 6" and larger size to fit into 5", 4-1/2" or 4" well casings.

SPECIFICATIONS:

- Use all 300 grade stainless steel clamp SAE #44 (Boshart Part No. 2-SSC8744) for all sizes.
- Material: Styrene-butadiene rubber (SBR)





DIMENSIONS															
Part No.	Drop Pipe Size	Well Casing Size	L		W		H		D		ID		Weight		Suggested clamp size
			in	mm	in	mm	in	mm	in	mm	in	mm	lbs	grams	
TAS46-10	1"	4" to 6"	5.294	134.47	5.518	140.16	1.600	40.64	2.900	73.66	1.285	32.64	0.892	404.60	SAE #44 (2-SSC8744)
TAS46-12	1-1/4"										1.630	41.40	0.809	366.96	
TAS46-15	1-1/2"										1.870	47.50	0.739	335.20	
TAS46-20	2"										2.345	59.56	0.598	271.25	

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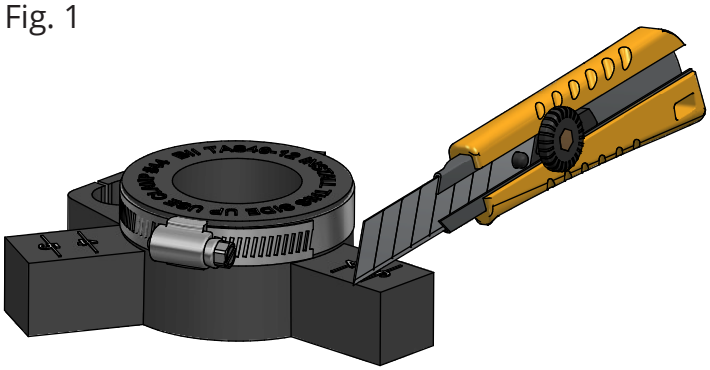
INSTALLATION INSTRUCTIONS:

The number of torque arrestors used and the placement of them in an installation varies widely depending on the installer's preference. It is recommended that the first spider type torque arrestor should be installed 12" to 18" above the submersilble pump (no more than 36"). Then additional torque arrestors can be installed at 75 to 100 foot intervals up from the first torque arrestor just above the pump, near the bottom of the well.

Step #1

When using in smaller 5" or 4" well casings you will need to cut the three tabs down equally to ensure the drop pipe remains centered in the well. (Fig 1.) The length of the tabs needs to be long enough so that some force is required to slide it into the well casing. This will ensure that there is friction to keep the pipe from twisting or turning due to the torque created by the submersible pump on start up.

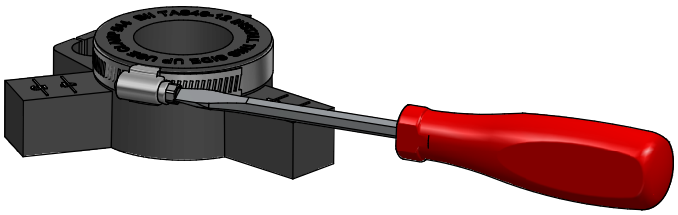
Fig. 1



Step #2

Install an all-300 series marine grade gear clamp onto the round top section of the spider torque arrestor, and tighten the clamp but not so much that it interferes with sliding the torque arrestor onto the pipe. (Fig. 2) The use of a Boshart part no. 2-SSC8744 clamp is recommended.

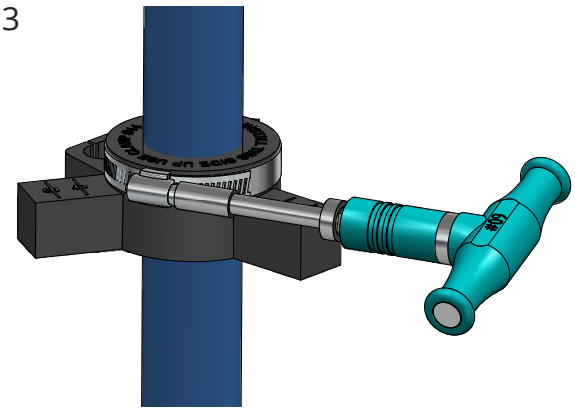
Fig. 2



Step #3

Slide the spider torque arrestor and clamp over the drop pipe and position in the desired location on the pipe. With the torque arrestor in position, further tighten the gear clamp to 60 in-lb to secure. The use of a T-handled ratchet torque driver factory set to 60 in-lb is recommended. (Fig. 3)

Fig. 3



Step #4

Repeat the above steps for the additional torque arrestors placed on the drop pipe at equal intervals up to the surface.

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