

Defender Collar Guard

The DEFENDER cross-coupling guard is the most robust cable protection clamp on earth. This guard was designed for the most destructive downhole environments, at a price point that makes sense for even the most reliable wellbore. 100% designed in-house, the clamp accommodates a standard ESP cable plus ¼", 3/8" and ½" cap lines. The simple 2-bolt high strength 4140 design installs easily, without the need for any special tooling.



OD	Length	Material	Tubing	Cable Size	Cap Line	Pull Strength
6.08	10.750"	Ductile Iron or Alloy Steel	3.5" EUE STD Collar	#1-#4 AWG ESP	¼" & (½" or 3/8")	1000 lbs.

Defender Mid Joint Guard

The DEFENDER mid-joint guard is a critical component of the DEFENDER system. Specifically designed to stop tubing flex, the mid-joint guard protects the ESP cable throughout deployment, run-life and removal. One-bolt high-strength 4140 design installs easily, while anti-slip/anti-rotation knurling ensures a solid hold. Can be utilized in single or multiples per joint of tubing to maximize protection in specific wellbore locations.



OD	Length	Material	Tubing	Cable Size	Cap Line	Pull Strength
6.08	10.750"	Ductile Iron or Alloy Steel	3.5" EUE STD Collar	#1-#4 AWG ESP	¼ & (½ or 3/8")	Clearance.

Defender Motor Lead Extension (MLE) Guard

The DEFENDER MLE Guard is designed to protect the MLE cable in the most severe well conditions. Leading edge tapers and robust design ensure that the guard can handle multiple impacts, from any angle, and keep the MLE protected. The 3-piece design eliminates hinges, dramatically strengthening the guard while allowing for maximum flexibility of cable and cap line configuration. Positive anti-rotation lug and 4-bolt NorLock design installs quickly and easily, preventing fasteners from loosening due to high vibration. One-size configuration eliminates the need for multiple different guard sizes.



OD	Length	Material	Equipment	Cable Size	Cap Line	Pull Strength
6.25	6.00	Alloy Steel	500 Series ESP	#4-#8 MLE	1/4" & (1/2" or 3/8")	100 lbs.

Reference Pictures

Mid Joint guards provides protection and centralization to the center of the tubing string keeping the high voltage ESP cable and capillary lines of the casing in horizontal applications.



Dasco provides inhouse design & Manufacturing. This provides security of supply and absolute quality control ensuring your cable protection system is doing the job it was designed for.

