

# CANNON SERVICES, LTD.

*The Industry's Leading Source for ESP Cable and Control Line Protection Systems*

## Overview

Cannon's Guards are used above and below Safety Valves, Chemical Injection or Gas Lift Mandrels and Flow Control Valves to protect cables, bundles and lines in the wellbore. The Guards use "raised" channels to shield cables or lines as the transition over large OD equipment to prevent damage during installation or retrieval of the completion. All guards are customized to the completion equipment they will be installed on. Field installation is quick and simple using our air driven hydraulic installation tools to compress the collars and drive the Taper Pin into place.



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## Guards

### ***Applications***

Protection for cables & lines on:

- ❖ Safety Valves
- ❖ Chemical Injection Mandrels
- ❖ Gas Lift Mandrels
- ❖ Flow Control Valves

### ***Features & Benefits***

- ❖ Designed to fit on tubing or flow couplings
- ❖ Configurations for flat, round, square cables, bundles or lines
- ❖ Dual channel configurations available to separate multiple line configurations
- ❖ Protectors are re-useable saving costs on well recompletions
- ❖ Suitable for high angle wellbores
- ❖ Guards are tailored to individual well applications

