

# DSI

## Dual-string interlocking shear rams

### APPLICATIONS

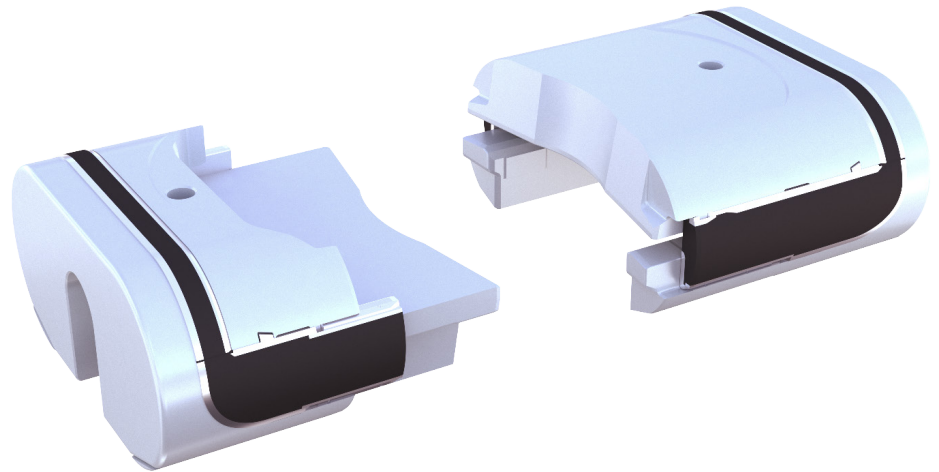
Drilling and production operations that include wireline, braided cable, dual strings, or high-temperature well environments

### BENEFITS

- Improves performance certainty with interlocking design
- Enhances operational flexibility by enabling shearing of wireline, braided cable, and dual strings
- Shears wireline and braided cable with zero tension in the line while maintaining seal
- Enhances HSE profile by eliminating nonshearables
- Lowers required shear pressure with more efficient cutting geometry

### FEATURES

- Interlocking arms on the upper ram prevent vertical separation
- Blades provide full wellbore coverage
- Lack of foldover enables kill weight mud to be pumped down the drillstring
- Compatible with U\* surface ram-type BOP
- Compatible with UM\* convertible-bonnet ram-type BOP



*DSI dual-string interlocking shear ram.*

Cameron DSI\* dual-string interlocking shear rams are similar in design to DS\* dual-string shear rams, except for the interlocking feature of the rams. Arms on the upper ram prevent any vertical separation between the lower and upper blades.

The interlocking feature provides the capability of shearing wireline and braided cable with zero tension in the line. DSI rams do not use a foldover shoulder, and thus have the capacity to shear larger diameter pipe and casing.

### Shearing action

The DSI ram shearing action is the same as that for DS rams except that when the rams first engage, all separation between the blades is eliminated.

### BOP Availability

Type	Size, in	Rating, psi	Wireline Capable
U and UM BOPs	7 <sup>1</sup> / <sub>16</sub>	3,000–10,000	Yes
U and UM BOPs	13 <sup>5</sup> / <sub>8</sub> <sup>†</sup>	3,000–10,000	Yes

<sup>†</sup> High- and low-temperature capability.