

### TITAN Class Sealing Elements

The TITAN Class Sealing Elements are one of the most critical components of Beyond's Rotating Control Device (RCD) product line. They were designed, manufactured, and tested to API 16RCD specifications and guidelines and designed to reduce cost and environmental impact during drilling and stripping operations. The TITAN Class Sealing Elements are a significant component in Beyond Energy's RCD (Rotating Control Device). RCDs are critical in providing Safety to Personnel and rig equipment.

### Applications

- Managed Pressure Drilling
- Underbalanced Drilling
- Pressurized Mud Cap Drilling
- Containment of wellbore returns
- Extended Reach wells
- Geothermal wells
- Compatible with WBM, OBM, DBM, SBM, Brine and Foam

### Features and Accessories

- 3,000 psi Static Rated
- 1,500 psi Stripping
- Exceeds API 16RCD test requirements w/over 2,000 Tool Joints stripped
- Standard temperature ratings up to 180°F
- HT Formulations available for operations above 180°F
- Designed to operate with Drill Pipe sizes (2<sup>7</sup>/<sub>8</sub>" - 5<sup>7</sup>/<sub>8</sub>"")
- Compatible with ARES 1578, ARES/POSEIDON 3078 and 3090 product lines
- Manufactured in accordance with API Q1, ISO 9001:2015, and API 16RCD
- Metallic Core Insert is NACE-MR0175 Compliant
- Color coded for ease of size designation
- Tested and qualified with actual Drill Pipe



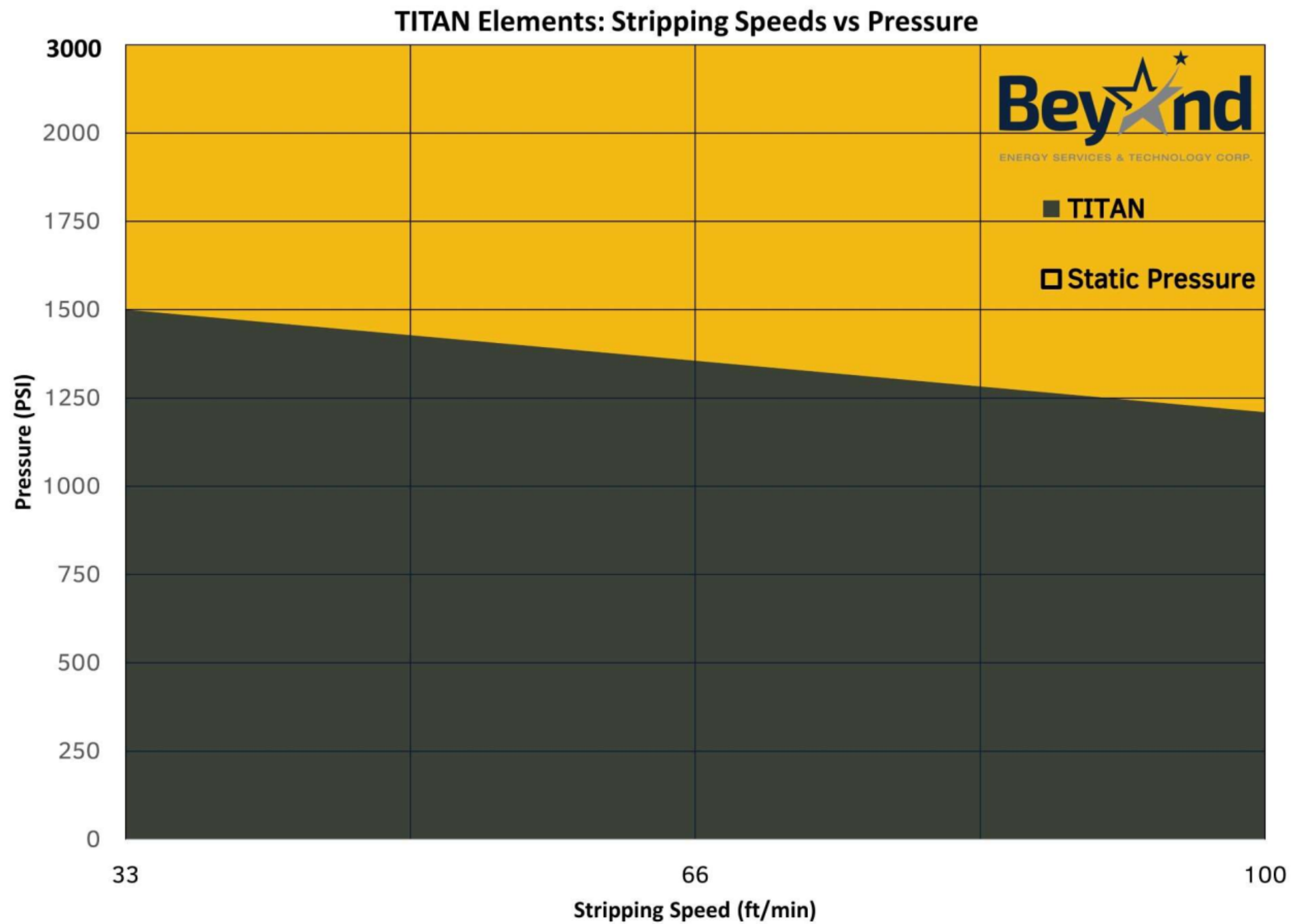
**TITAN Class Sealing Element**

TITAN CLASS SEALING ELEMENTS					
Image	Manufacturing PN	Color	Drill Pipe Size	Max Tool Joint Size	Internal Diameter
	BEST9034	Dark Grey	2 <sup>7</sup> / <sub>8</sub> in. 73 mm	6 <sup>3</sup> / <sub>4</sub> in. 171 mm	1 <sup>3</sup> / <sub>4</sub> in. 44 mm
	BEST9035	Dark Yellow	3 <sup>1</sup> / <sub>2</sub> in. 89 mm	7 in. 177 mm	2 <sup>3</sup> / <sub>8</sub> in. 60 mm
	BEST9036	Dark Orange	4 in. 102 mm	7 <sup>1</sup> / <sub>4</sub> in. 184 mm	2 <sup>7</sup> / <sub>8</sub> in. 73 mm
	BEST9055	Light Red	4 <sup>1</sup> / <sub>2</sub> in. 114 mm	6 in. 152 mm	3 <sup>3</sup> / <sub>8</sub> in. 87 mm
	BEST9057	Light Blue	5 in. 127 mm	7 in. 178 mm	3 <sup>3</sup> / <sub>8</sub> in. 98 mm
	BEST9059	Light Green	5 <sup>1</sup> / <sub>2</sub> in. 140 mm	7 <sup>1</sup> / <sub>4</sub> in. 184 mm	4 <sup>3</sup> / <sub>8</sub> in. 111 mm
	BEST9063	Light Grey	5 <sup>7</sup> / <sub>8</sub> in. 149 mm	7 <sup>1</sup> / <sub>4</sub> in. 184 mm	4 <sup>3</sup> / <sub>4</sub> in. 120 mm

ALL TITAN CLASS SEALING ELEMENT BOLTS MUST BE TORQUED TO 180 ft-lbf (244 N-m)



## Operational Specifications



## Traceability and Identification

URETHANE IDENTIFICATION		
	<b>87-NA-0419-103830502-XX</b>	Urethane Manufacturing Number
	<b>87</b>	Durometer
	<b>NA</b>	Not Applicable
	<b>0419</b>	Month and Year Manufactured
	<b>103830502</b>	Urethane Serial Number
	<b>XX</b>	Temperature Class 4°C to 82°C (40°F to 180°F)
	<b>BEST9035</b>	Manufacturing Part Number
	<b>30106</b>	Beyond Operations Part Number
	<b>10306-78</b>	Core Serial Number
	CORE IDENTIFICATION	
	<b>Core Serial Number</b>	Engraved between two bolt holes on the top, side, or the bottom of the core flange.
	<b>Core Part Number</b>	Engraved between two bolt holes on the top, side, or the bottom of the core flange.
	<b>Country of Origin</b>	Engraved between two bolt holes on the top, side, or the bottom of the core flange.