

# Well Construction

## Drilling Technologies

### AEGIS™ Tubular Protector

The Expro AEGIS™ Tubular Protector offers a powerful solution to the excessive tubular wear and high torque experienced in today's complex and demanding drilling applications. A proprietary Expro technology, it was developed to address the challenges of extended reach drilling environments and the dynamic forces of aggressive open hole operations.

#### Features and benefits

- Limits casing and drill string wear and reduces torque
- Not dependent on stand length or derrick height limitations
- Eliminates potential for marking pipe and de-rating drill string
- Robust design, durable for open hole applications
- Compatible with wired pipe applications



#### Specifications

	5-1/2 inch	5-7/8 inch	6-5/8 inch
Drill pipe size (in.)	5-1/2	5-7/8	6 5/8
Max. sleeve O.D. (in.)	7-3/4	8	9
Overall length (in.)	15	15	17
Sleeve gauge length (in.)	11-5/8	11-3/4	14 1/8
Overall volume (in. <sup>3</sup> )	267	273	393
Overall weight (lbs)	76	78	114
1. Axial load rating (lbs) 1.	30,000	30,000	30,000
Continuous side load rating (lbs)	5,000	5,000	5,000
Intermittent side load rating (lbs)	15,000	15,000	15,000
Cross section area (in. <sup>2</sup> )	23.4	23.2	28.1

#### Total flow areas

9-5/8" x 53.5 ppf CSG (in. <sup>2</sup> )	10.0	6.9	N/A
10-3/4" x 55.5 ppf CSG (in. <sup>2</sup> )	27.6	24.5	11.8
13-3/8" x 72.0 ppf CSG (in. <sup>2</sup> )	72.6	69.5	56.7
Inner clamp material	AISI 4140 Carbon Steel with Features & Advanced Coatings for Low-Friction Performance and Wear Resistance		
Outer sleeve material	AISI 1026 Carbon Steel with Features & Advanced Coatings for Low-Friction Performance and Wear Resistance while Ensuring the Outer Sleeve Cannot Induce Damage or Wear into the Casing		
Max. temperature (°F / °C)	302 (150)	302 (150)	302 (150)

1. Select high-friction coatings are available upon special request if superior axial holding force is required.