

VAXPLORER
EXTREME TORQUES,
EXTENDED REACH

voestalpine Tubulars GmbH & Co KG
www.voestalpine.com/tubulars

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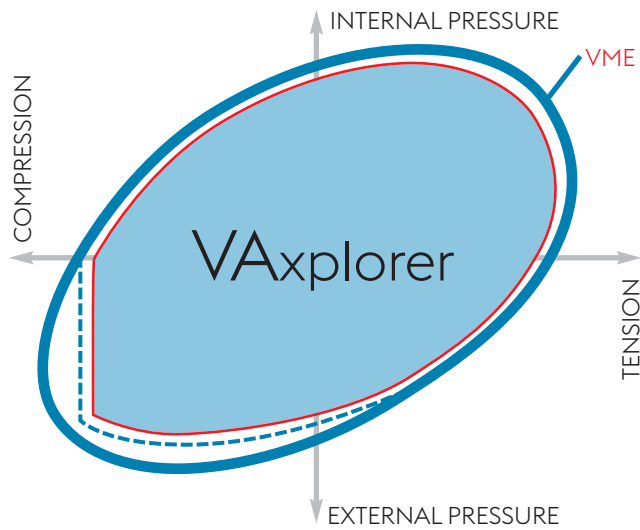
ONE STEP AHEAD.

VExplorer

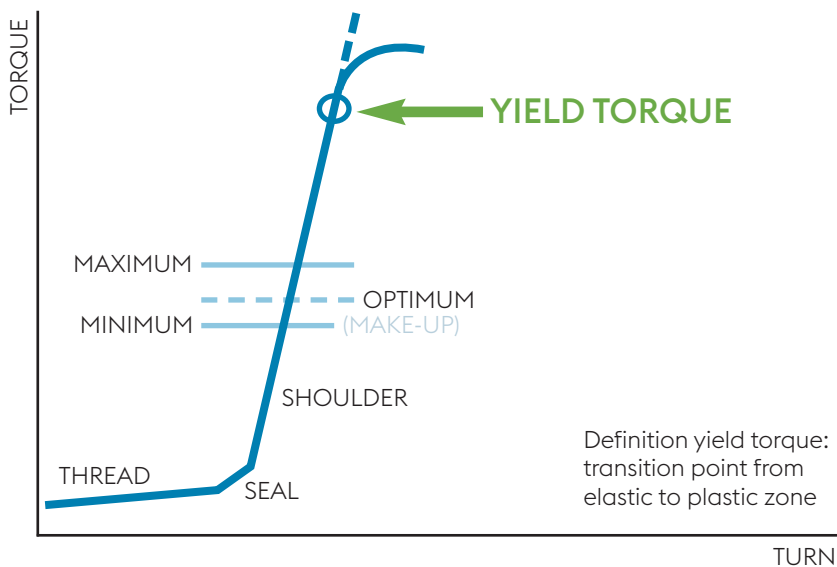
CAL IV Casing connection with high torque capability

- » Premium connection suitable for extreme torques, extended reach wells and rotation operations
- » Shoulder area, material and thread design fit for purpose
- » 100% compression & tension efficiency
- » Thread design for high yield torque
- » Successfully CAL IV tested
- » Gas sealability, also tested with bending (20°) and internal pressure

LOAD ENVELOPE



YIELD TORQUE DEFINITION



CASING DESIGN

- 10° shoulder
- 10% seal taper
- 5 threads per inch
- 10° stabbing flank
- 3° load flank

TECHNICAL DATA

Size	Grade: VA-EP-P110	US Customary	Metric
5 1/2" 23.00 lb/ft	Yield Strength Min.	110,000 psi	758 Mpa
	Yield Strength Max.	140,000 psi	965 Mpa
	Tensile Strength Min.	125,000 psi	862 Mpa
Pipe			
	Nominal OD:	5.500 in	139.70 mm
	Nominal ID:	4.670 in	118.62 mm
	Nominal Weight:	23.00 lb/ft	34.17 kg/m
	Wall Thickness:	0.415 in	10.54 mm
	Standard Drift:	4.545 in	115.44 mm
	Pipe Body Yield Strength:	829 klb	3,687 kN
Connection			
	OD:	6.300 in	160.02 mm
	ID:	4.607 in	117.03 mm
	Length:	8.661 in	220.00 mm
Performance			
	Joint Strength:	829 klb	3,687 kN
	Collapse Resistance:	16,350 psi	112.70 Mpa
	Internal Yield Pressure:	16,510 psi	113.80 Mpa
	Load on Coupling Face:	742 klb	3,300 kN
Field Make-up			
	Minimum Torque:	11,910 ft.lb	16,150 Nm
	Optimum Torque:	12,540 ft.lb	17,000 Nm
	Maximum Torque:	13,790 ft.lb	18,700 Nm
	Min. Torque on Shoulder:	30%	30%
	Yield Torque:	23,600 ft.lb	32,000 Nm

Size	Grade: VA-EP-P110	US Customary	Metric
6" 24.50 lb/ft	Yield Strength Min.	110,000 psi	758 Mpa
	Yield Strength Max.	140,000 psi	965 Mpa
	Tensile Strength Min.	125,000 psi	862 Mpa
Pipe			
	Nominal OD:	6.000 in	152.40 mm
	Nominal ID:	5.200 in	132.08 mm
	Nominal Weight:	24.50 lb/ft	36.43 kg/m
	Wall Thickness:	0.400 in	10.16 mm
	Standard Drift:	5.075 in	128.90 mm
	Pipe Body Yield Strength:	879 klb	3,913 kN
Connection			
	OD:	6.693 in	170.00 mm
	ID:	5.137 in	130.49 mm
	Length:	8.898 in	226.00 mm
Performance			
	Joint Strength:	879 klb	3,913 kN
	Collapse Resistance:	12,500 psi	86.19 Mpa
	Internal Yield Pressure:	14,580 psi	100.57 Mpa
	Load on Coupling Face:	702 klb	3,124 kN
Field Make-up			
	Minimum Torque:	12,970 ft.lb	17,580 Nm
	Optimum Torque:	13,645 ft.lb	18,500 Nm
	Maximum Torque:	15,010 ft.lb	20,350 Nm
	Min. Torque on Shoulder:	30%	30%
	Yield Torque:	24,410 ft.lb	33,100 Nm

DATASHEET GENERATOR & myTubulars App

Generate your product Datasheets and find additional dimensions under customer service at www.voestalpine.com/tubulars

Check quickly and easily the product application against field requirements in advance by using the myTubulars App.

The myTubulars App offers possibilities to take a look into the world of voestalpine Tubulars:

- » VR-Tour
- » Conversion tool
- » Contact Finder
- » Datasheet Generator

Available for all iOS and Android devices for free in the App stores:

iOS



Android



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