

Oilfield Piping Systems

Standard Guide Spec Sheet

Powerflo
SUCKER ROD GUIDE

A complete list of all guide sizes that can be installed on sucker and pony rod sizes.

2 ³ / ₈ " PowerFlo Guide	Available
3/4"	✓
7/8"	✓
7/8" Pin x 1" X-Torque	✓
1"	✓

2 ⁷ / ₈ " PowerFlo Guide	Available
3/4"	✓
7/8"	✓
7/8" Pin x 1" X-Torque	✓
1"	✓

3 ¹ / ₂ " PowerFlo Guide	Available
7/8"	✓
1"	✓
1 ¹ / ₄ "	✓

2 ³ / ₈ " Straight Vane Guide	Available
3/4"	✓
7/8"	✓

2 ⁷ / ₈ " Straight Vane Guide	Available
3/4"	✓
7/8"	✓
1"	✓

3 ¹ / ₂ " Straight Vane Guide	Available
3/4"	✓
7/8"	✓
1"	✓

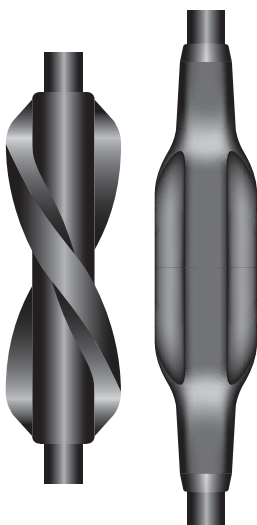
Technical Data Sheet

Release date:

1 October 2018

Description:

- One Piece Solid Guide
- Engineered Epoxy Nylon 6
- PA6T/X for High Temperature Application
- Heat Stabilised
- Enhanced Dimensional Stability
- Highly Resistant to hot Oil & Gas, Coal Fines, Water, Brine & Sand
- Excellent Wear Characteristics



Typical Properties

	UNITS	TEST METHOD	VALUES
Mechanical Properties			
Tensile Yield Strength	MPa	ISO 527-2/1A	>230
Flexural Strength	MPa	ISO 178	>290
Flexural Modulus	MPa	ISO 178	8100
Notched IZOD Impact Strength @+23°C	kJ/m2	ISO 180/1A	9.3
Physical Properties			
Density	g/cm3	ISO 1183	1.31
Moulding Shrinkage, 3.17 mm bar	%	-	0.2-0.8
Thermal Properties			
HDT at LOAD 1.8 Mpa	°C	ASTM D-648	204
Melting Point (DSC)	°C	ISO 3146	220

Technical Specification

Guide Dimensions			
Rod	1"	7/8"	3/4"
Tubing Size	3-1/2"	2-7/8"	2-3/8"
Rod Guide OD	69mm / 2.7in	57mm / 2.25in	47mm / 1.85in
Downhole Mechanical Properties			
Hot Oil	Yes	Dynamic Coefficient	0,11
Sand	Yes	Wear Coefficient	6mg/cycle
High API (Sweet)	Yes	Traction Resistance	90 Mpa
HS2 (Sour)	Yes	Displace Force	4,700/kg
Acid	Yes	Continuous Temperature Range	<125°C
Water	Yes	Sulphur	<7%
Bacteria	Yes		

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