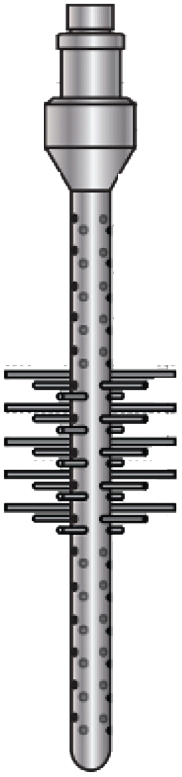
PrecisionBrush

Precision Mechanical Applications



Applications

- Removal of debris affecting seal integrity
- Cleaning plug setting areas
- Brushing of downhole safety valve flow tube cavities and nipple profiles
- Removal of rust, scale, wax etc. from tubing seal bores and profiles
- Preventive maintenance in scale environment

Features and Benefits

- E-Line conveyed, powered device
- Customizable brush bottom hole assembly (BHA)
- Cost effective preventive maintenance and repair option compared to coiled tubing, hydraulic workover units or workover rigs
- Precise, low-risk wellbore cleanout service
- Brush flexibility enables passage through well restrictions
- Light on logistics, footprint, personnel and time

The PrecisionBrush is used to clean tubing and completion components by removing thin deposits of wellbore debris that could affect sealing integrity or mechanical functionality. It is run in combination with PowerTrac® for conveyance (if deviated), and rotational anchoring, coupled with a Direct Drive Rotation (DDR) device to generate the required rotational torque and RPM.

Service Name	PrecisionBrush 225	PrecisionBrush 315
Min. rolling anchor system length[1]	23 ft (7 m)	
Min. rolling anchor system weight[1]	254 lbs (115 kg)	
Rotation device length[2]**, minimum**	8.8 ft (2.7 m)	7.0 ft (2.14 m)
Rotation device weight, minimum	91.5 lbs (41.6 kg)	151.6 lbs (70 kg)
Tool body OD[1]	2.50 in. (63.5 mm)	3.35 in. (85 mm)
Brush diameter	Customizable	
Length	3.3 ft (1.0 m)	3.3 ft (1.0 m)
Minimum ID	2.63 in. (66.8 mm)	3.475 in. (88.3 mm)
Maximum ID/ expansion	Customizable	
System pressure rating	15,000 psi (1,034 bar)	
System temperature rating	350°F (177°C)	
Operating torque[2]	≤ 110 Nm	≤ 115 Nm
Operational RPM[2]	≤ 180 rpm	
Min. system length[6]	35.1 ft (10.7 m)	33.3 ft (10.14 m)
Tensile strength	18,087 lbs (8,200 kg)	41,936 lbs (19,022 kg)

[1] Rolling Anchor sytem provides counter rotation anchoring and can be switched to drive anchor to provide addition WOB. Configuratable to increase available WOB
[2] Rotation device specified for Precision Brush 225 may be used with PrecisionBrush 315
[3] Brush Mandrel OD
[4] ID based on deployment system configuration. Can be set up to 2.5" as necessary
[5] Standard output. Customizable down gearing possible with a 3:1 gear
[6] Excluding optional equipment, release, correlation device or swivels

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