PrecisionHone

Precision Mechanical Applications

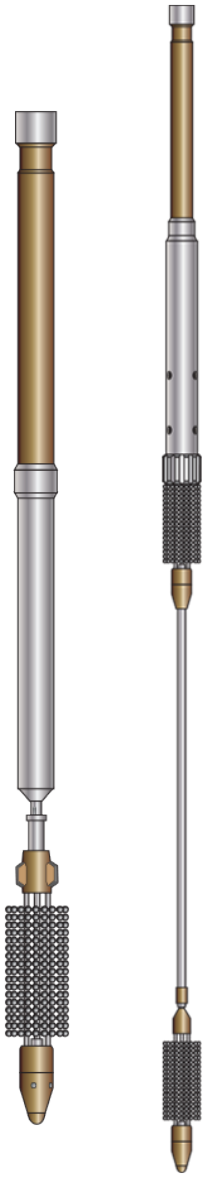
Applications

- Honing seal bore areas
- Preventive maintenance in scale environments
- Removal of scale, rust

Features and Benefits

- E-Line conveyed, powered device
- Combines axial and rotational motion for smooth honing
- Customizable hone OD
- Slip over no-go adapter can be used for precise positioning
- No-go profile and spacing is customizable
- Cost effective preventive maintenance or repair option for re-establishing seal bore integrity instead of pulling the completion components
- Light on logistics, footprint, personnel and time

The PrecisionHone and the PrecisionTwinHone are used to hone seal bores by removing deposits (scale, rust) and minor protruding obstructions that affect the sealing integrity of completion components, e.g. downhole safety valve. They are run in combination with PowerTrac® for anchoring and conveyance, coupled with a direct drive rotation (DDR) sub to generate the required rotational force.



Service Name	Precision Hone	Precision Hone Twin Hone
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)/ 3.375 in. (86 mm)	
Minimum ID	2.63in. (66.8mm) / 3.5 in. (89 mm)	
Maximum ID	10.2 in. (259.1 mm)	
Hone length	6.6 ft. (2.0 m)	9.8 ft (3.0 m)
Hone weight	66lbs (30 kg)	132 lbs (60 kg)
Hone stroke	1.57 ft (0.48 m)	
System pressure rating	15,000 psi (1,034 bar)	
System temperature rating	167°F (75°C)	
Operating torque[2]	≤ 150 Nm	
Operational RPM[2]	≤ 180 rpm	
Min. system length[6]	38.4 ft (11.7 m)	39.8 ft (12.14 m)
Tensile strength	26,696 lbs (6,674 kg)	

[1] Rolling Anchor system provides counter rotation anchoring and can be switched to drive anchor to provide addition WOB. Configuratable to increase available WOB
[2] Rotation system options in 2.5" or 3.375" ODS
[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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