Well Construction

Conductor Driving and Slot Recovery

Hydraulic Hammer

Our hydraulic hammer fleet consist of both the IHC S-90 and S-150 series hammers. With a global footprint and inventory, we can meet our customer needs in a timely manner.



Features and Benefits

- No drilling, cuttings, cement job, float shoe, and no large BHA required for conductor section
- Rig time saved, no soak time
- Reduces the risk and cost associated with losses of drilling fluids into formation
- Can be utilized for underwater operations
- They can run horizontal
- Alleviates risk and cost associated with a hole collapse
- Inclination and azimuth control is possible for deviated wells
- Conductors can be driven below the platform legs eliminating the risk of washing out the platform formation

Applications

- Platform installation
- New well installation: single or batch set operations
- Slot recovery; extending the life of offshore shelf assets

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Specifications		
Hammer S-series	**S-90**	**S-150**
Operational data		
Maximum blow energy on pile (kNm)	90	150
Minimum blow energy on pile (kNm)	9	15
Blow rate at maximum blow energy (bl/min)	46	44
Weights		
Ram (ton)	4.5	7.5
Hammer with ram in air (ton)	9.7	16.2
Hammer with ram in salt water (ton)	7	12.6
Dimensions		
Length of hammer (transport) (mm)	7,400	8,900
Hydraulic data		
Operating pressure (bar)	280	280
Maximum pressure (bar)	350	350
Oil flow (l/min)	250	460
Hose connections		
Oil supply	1 1/4" hose, M52X2 male	1 1/2" hose, M52X2 male
Oil return	1 1/4" hose, M52X2 male	1 1/2" hose, M52X2 male
Nitrogen to cap	R3/4"	R3/4"
Gas filling pressure		
Supply accumulator (Nitrogen) (bar)	120 - 140	150 - 170
Return accumulator (Nitrogen) (bar)	4 - 5	4 - 5
Cap (Nitrogen or air) (bar)	12 - 16	12 - 16

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