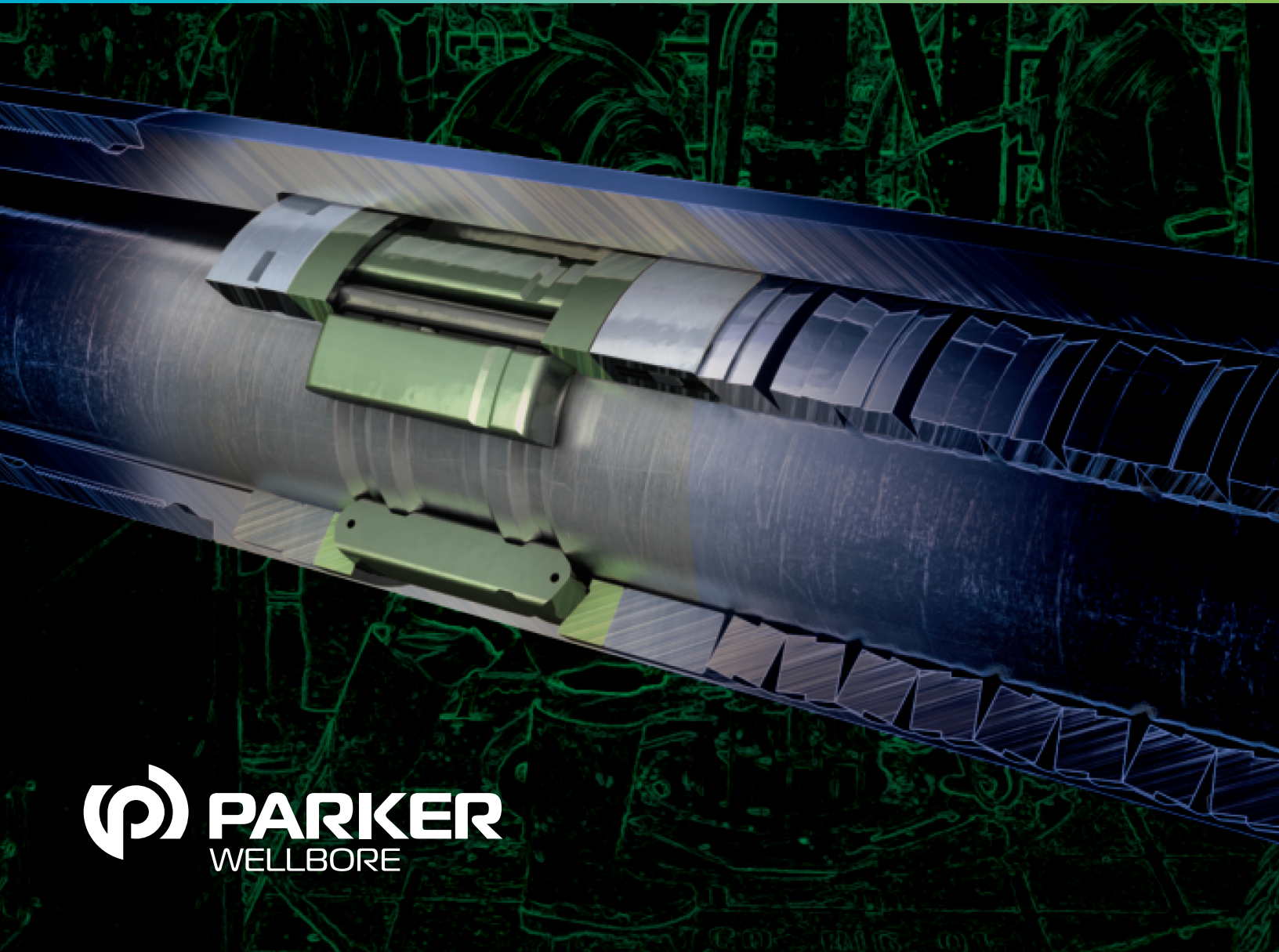


iTS ENERGIE Drilling Jar and iTS Energizer



 **PARKER**
WELLBORE



The Lock Mechanism

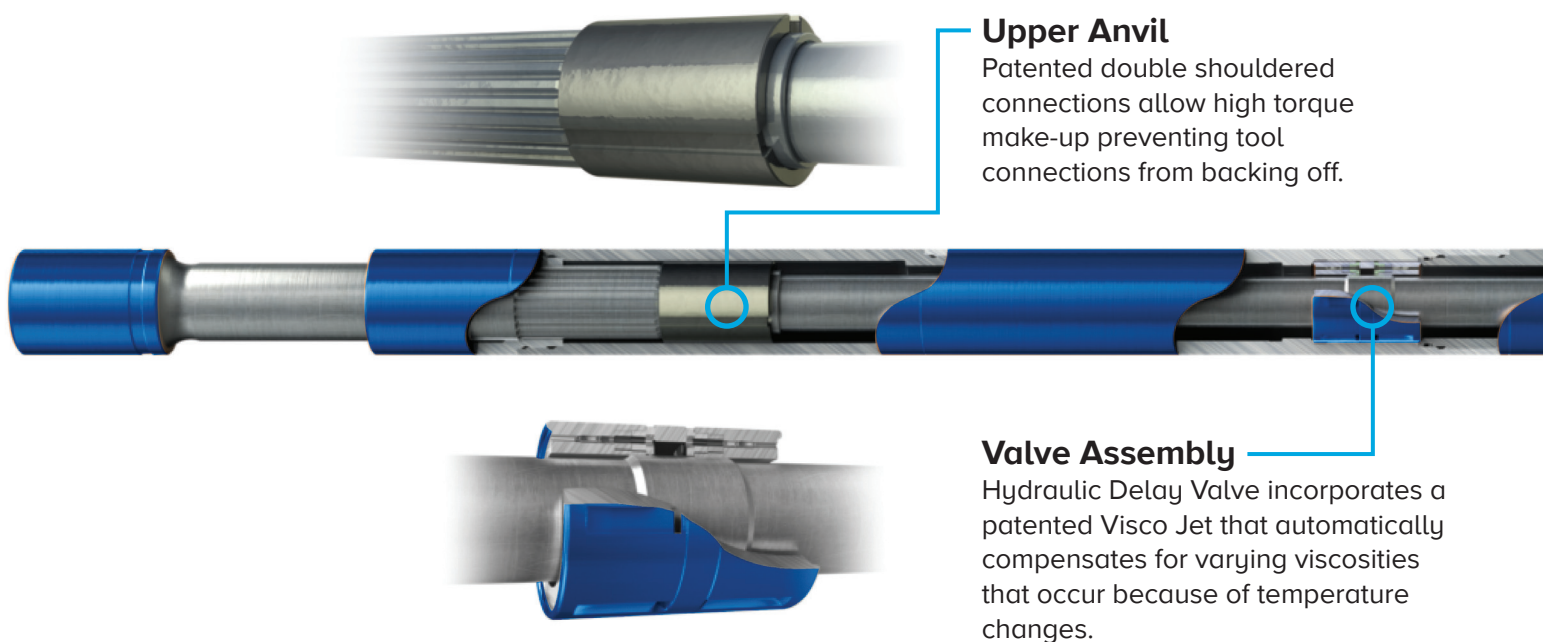
prevents accidental firing of Jar without the need for a safety clamp*
*provided weight does not exceed maximum lock setting

iTS – a global resource for quality products and services operating from 28 facilities in 18 countries iTS offers a comprehensive range of products and services to oil and gas companies, drilling contractors and oilfield service firms across the global oil and gas industry.

Operating as an independent player with no allegiance to brands or other drilling equipment companies, iTS only stocks products that are of a sufficient quality to ensure our customers receive an efficient and cost-effective solution to their operational needs.

We are constantly expanding our inventory to accommodate our customer requirements and with innovative products such as the iTS ENERGIE Drilling Jar and iTS Energizer, we continue to provide the most dependable and highest quality equipment possible.

Backed by our commitment to exceptional service, iTS products are the reliable choice when success is critical.




Upper Anvil

Patented double shouldered connections allow high torque make-up preventing tool connections from backing off.

Valve Assembly

Hydraulic Delay Valve incorporates a patented Visco Jet that automatically compensates for varying viscosities that occur because of temperature changes.

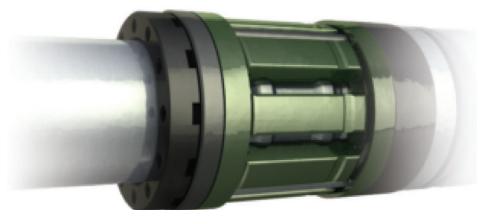
A new generation of tools designed for today's drilling environment



Undesired impacts are avoided during operation of tool with the Mechanical Lock feature included in the ITS Energie Drilling Jar

Jar Settings		4 3/4"	6 1/2"	8"	9 1/2"
Tool Size Nominal		4 3/4"	6 1/2"	8"	9 1/2"
Lock Setting	UP lbs UP tons	30 - 35,000 13.5 - 16	60 - 80,000 27 - 36	70 - 90,000 32 - 41	80 - 100,000 32 - 45
Lock Setting	DOWN lbs DOWN tons	10 - 18,000 4.4 - 8	25 - 33,000 11 - 15	30 - 40,000 13.5 - 18	30 - 45,000 13.5 - 20
Hydraulic Delay	UP 50,000 lbs UP 23 tons	1 - 2 min			
Hydraulic Delay	UP 100,000 lbs UP 45.5 tons		1 - 2 min	1 - 2 min	1 - 2 min
Delay at Max overpull UP		UP 10 - 40 sec	10 - 50 sec	10 - 50 sec	10 - 50 sec
Hydraulic Delay	DOWN 30,000 lbs DOWN 13.5 tons	2 - 3 min	2 - 3 min	2 - 3 min	2 - 3 min
Hydraulic Delay	DOWN 50,000 lbs DOWN 23 tons	1 - 2 min	1 - 2 min	1 - 2 min	1 - 2 min
Hydraulic Delay	DOWN 100,000 lbs DOWN 45.5 tons		40 - 60 sec	40 - 60 sec	40 - 60 sec

Please note that all above loads and time delays are approximate only.



Locking Assembly

The Lock Mechanism also avoids excessive cycling of tool, which provides those extra hours needed for those critical moments.

A new generation of drilling tools designed and manufactured to withstand today's severe drilling environment. Our extensive experience in the industry has proven that reliability is of critical importance to our customers. Customers want equipment that is well-designed and well-manufactured - tools that they can count on to get the job done. On time, every time.

In designing our iTS ENERGIE Drilling Jar and iTS Energizer, we have created two tools that rank among the best in the industry for reliability and efficiency.

The iTS ENERGIE Drilling Jar is designed for use during drilling operations to apply an intensified force, either up or down, that will free a stuck component of the drill string. Its unique design incorporates both a hydraulic time delay release and a mechanical lock mechanism to provide one integrated and relatively short double-acting drilling jar. The iTS ENERGIE Drilling Jar can be deployed in both vertical and horizontal well sections and, together

with its durability and operational efficiency, provides operators with a secure solution to the severe drilling environments of today, such as high-torque and directional drilling. Used in conjunction with the iTS ENERGIE Drilling Jar, the iTS Energizer is a two-stage mechanically-designed tool that increases the impact force applied to the stuck point while at the same time protecting drill string and rig surface equipment through the absorption of shock waves caused by the jarring action.

The iTS ENERGIE Drilling Jar and iTS Energizer combine to create a smooth performance that provides that extra layer of security against loss of equipment downhole, which in turn allows the operator to experience a trouble-free job with minimal downtime.

To help ensure consistent performance, iTS backs the iTS ENERGIE Drilling Jar and iTS Energizer with complete technical support via procedural manuals, operating information and customer training.



Specifications

Jar & Energizer series	4 3/4"	6 1/2"	8"	9 1/2"
Tool size OD in	4.938	6.625	8.125	9.625
Bore ID in	2.25	2.62	3.00	3.25
Overpull max.lbs	90,000	180,000	310,000	450,000
Tensile Load (max)lbs	534,000	921,000	1,564,000	2,514,000
Yield Torque ft/lbs	30,000	81,700	153,900	215,650
P.O.A. sq. in.	10.34	16.82	24.88	38.49
Overall stroke in	20.5	20.5	20.5	20.5
Max temperature F/C (standard)	275/132	275/132	275/132	275/132
Max temperature F/C (high temp)	450/232	450/232	450/232	450/232
Max drilling hrs up to 275° F (standard)	350	350	350	350
Max drilling hrs up to 450° F (high temp)	200	200	200	200
Length approx. m/ft	10.4/34	10.4/34	10.4/34	10.4/34
Weight approx. kg/lbs	680/1500	1300/2860	2090/4600	2910/6400



Parker Wellbore Company
 Plot Nos 4H-02 and 4H-03, Phase 2, Sharjah Hamriyah Free Zone
 Sharjah, United Arab Emirates
parkerwellbore.com