

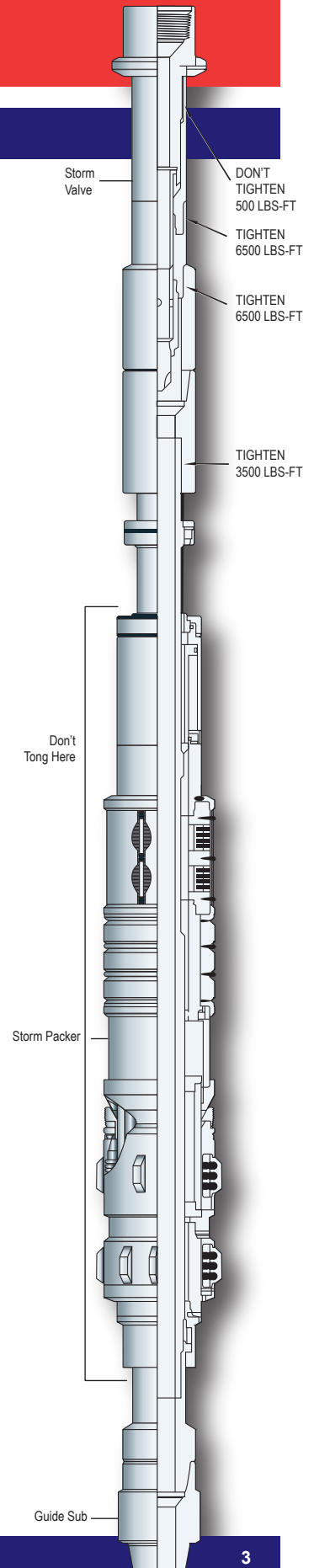
Downhole Tools

Storm Packer

RUNNING & RETRIEVING INSTRUCTIONS FOR JS-3 PACKER & STORM VALVE
AVAILABLE SIZES: 7", 7 5/8", 9 5/8", 10 3/4", 13 3/8", 16"

RUNNING:

- 1 On pipe rack or rig floor, make up Bottom Guide Sub and Top Crossover Sub (if needed) on packer using 36 and Cheater Pipe. Then make up storm valve in top of tool with 36 and cheater pipe on bottom sub of valve (Caution: Do not torque through any of the valve or packer internal connections. This connection will have to be made up with tongs when picked up).
- 2 Pick up and make up single joint of pipe in top of valve. Pick up storm packer assembly with elevators using joint of pipe as liftsub. Make up bottom connection of guide sub to drill pipe below packer with tongs. Make up guide sub to bottom sub of packer with tongs.
- 3 Pick up assembly with single joint and slack off to Top sub of packer and make up with tongs Storm valve to Packer and Drill pipe to Storm valve holding back up on top and rotating tight below rotary. **(NOTE: DO NOT MAKE UP CONNECTIONS ABOVE PACKER ABOVE THE ROTARY AS THIS WILL OVER TIGHTEN STORM VALVE STINGER ASSEMBLY. MAKE UP AND BREAK STORM VALVE USING 36 SEVERAL TIMES TO TEST RELEASE MAXIMUM TORQUE 500 FT/LBS.)**
- 4 Do not put slips on body of tool with weight of drill pipe hanging below (this will shift weight of drill pipe from mandrel to outer body and shear "J" mechanism).
- 5 Check tool to insure that it is not in set position. Turn 1/3 right-hand rotation and push up on drag block and slip assembly, and slips will engage cone. Release slip assembly and let it re-jay to bottom sub and attempt to push up; slips will not engage cone. Tool is ready to start in hole.
- 6 Run plug to setting depth (take precautions going through preventers and wellhead so plug will not hang up). Run real slow.
- 7 Care should be taken while running not to apply left torque to the drill pipe string before setting the Storm Packer. Once in position, the packer is ready to be set. Pick up the string approximately 1 foot. Set slip on drill pipe and use rotary to apply 1 to several turns to right depending on depth and deviation of well. If rig has Top Drive DO NOT SET SLIPS AND USE TOP DRIVE TO MAKE TURNS. Slack off on drill string until the packer starts taking weight. (usually takes about 1 foot). Pick up on Drill pipe just enough to remove slips and Slack off the string weight onto the packer slowly.
- 8 To disconnect the Top sub from storm valve, pick up 1,000 to 3,000 lbs over string weight of drill pipe above the valve. Apply left hand torque to break the right hand acme thread and continue rotating to back out the Top Sub and close the valve. Approximately 14 round at valve.
- 9 Pull out of hole. If time and condition permit, the assembly maybe pressure tested at this time to maximum of 1,000 psi differential pressure from the top. Too high a differential from above will cause the plug to shear out.



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RETRIEVING

- 1 Run the drill pipe back in with Storm Valve Top Sub on the bottom (use the proper size gauge ring for the casing size). Tag the valve and set approximately 1,000lbs. onto it. Be sure and have rig safety valve on top of drill pipe.
- 2 Turn drill pipe to right to re-engage drill pipe (turn with chain tongs or TOP DRIVE if equipped) while maintaining the weight on the valve. After drill pipe is made up with additional right-hand rotation, with 4 rounds of rotation, will move off seat to let pressure equalize. A total of 14 rounds will bottom out. (Do not use rotary). Place TIW valve on string and be prepared to handle pressure on drill pipe when opening equalizing sub.
- 3 To unseat packer. Pick up the weight of total string and ½foot, the bypass will opened and be prepared to handle pressure on casing. Continue to pick up on the packer to release and packer will return to running position.
- 4 Pull out of hole slowly, especially when plug comes back through BOP stack.

VERY IMPORTANT FACTS WHEN RUNNING PACKER:

- 1 Tongs and back-up directly onto the immediate Box and Pin subs being tightened. Do not torque through any of the valve or packer internal connection.
- 2 Do not set slips around packer with drill pipe hanging below.
- 3 Make sure tool is not in set position before starting in hole. With tool hanging in rotary, pick up slip assembly and it should not come up on cone.
- 4 Run slowly through BOP stack and wellhead, making sure it will not hang-up. Bottom guide will help guide it through.

RATED MAXIMUM LOAD:

7" & 7 5/8"	200,000#
9 5/8", 10 3/4", 13 3/8.....	350,000#
16".....	500,000#

Inquire for additional maximum loads

SET-DOWN WEIGHT TABLE - JS-3 PACKERS

Minimum rated load below packer after drill pipe is disconnected

7" - 8 5/8".....	20,000#
9 5/8" - 13 3/8".....	30,000#
16"	50,000#
20"	60,000#

SET-DOWN WEIGHT TABLE - JS-3 PACKERS

Minimum Set Down Weight (in lbs.) Required To Pack-Off Packing Elements Systems While Drill pipe is connected

Packing Element System Hardness	Temp. Limits (Deg F)	Packer Size	
90-70-90	0-300	7 & 7 5/8	8 5/8
95-80-95	250-350	9,000	11,000
80-70-80	0-200	10,000	12,000
		8,000	10,000

SET-DOWN WEIGHT TABLE - JS-3 PACKERS

Minimum Set-Down Weight (in lbs.) Required To Pack-Off Packing Elements Systems

Packing Element System Hardness	Temp.Limits (Deg F)	Packer Size			
90-70-90	0- 300	9 5/8"	10 3/4"	13 3/8"	16"
		11 3/4"	20,000	25,000	



Packers & Service Tools

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