

TDReam™ Hole Enlargement Tool

RELIABLE TOOL DESIGNED TO REDUCE RATHOLE SIZE TO 3 FEET IN A SINGLE RUN

OVERVIEW

The Halliburton TDReam™ hole enlargement tool is a unique industry solution developed to reduce rathole length to less than 3 feet (1 meter). It is used in combination with the XR Reamer™ tool, which is used to enlarge the section. The TDReam tool is used below the rotary steerable system (RSS) for rathole enlargement.

The TDReam tool helps to improve operational efficiency by avoiding the requirement for an extra trip.

FEATURES

- » Two activation modes: ball drop or shear pin
- » Run in combination with with the XR Reamer tool
- » Design based on field-proven NBR® near-bit reamer technology

BENEFITS

- » Reduces rathole length to less than 3 feet
- » Saves rig time
- » Limited impact on steerability
- » Reliable activation system



TDReam™ tool closed position

HAL125441



TDReam™ tool open position

HAL125443

Specifications

TDRream™ Tool Model	800	875	900	1000	1200	1400	1600	1700	1800		
Body Outside Diameter (OD)	8.250 in. 209.55 mm	8.750 in. 222 mm	9.250 in. 235 mm	10.250 in. 260 mm	11.875 in. 302 mm	14.000 in. 356 mm	15.750 in. 400 mm	16.875 in. 429 mm	17.375 in. 441 mm		
Opening Range	8.25 to 9.875 in. 210 to 251 mm	9 to 10.25 in. 229 to 260 mm	9.75 to 11 in. 248 to 279 mm	10.875 to 12.25 in. 276 to 311 mm	12.5 to 14 in. 318 to 356 mm	14.75 to 17 in. 375 to 432 mm	16.75 to 19 in. 425 to 483 mm	17.75 to 20 in. 451 to 508 mm	18.375 to 20.875 in. 467 to 530 mm		
Tool Length	2.66 ft 812 mm	2.08 ft 634 mm	2.88 ft 878 mm	2.85 ft 867 mm	3.05 ft 929 mm	2.53 ft 771 mm	3.53 ft 1075 mm	3.16 ft 963 mm	3.38 ft 1122 mm	3.12 ft 950 mm	3.99 ft 1218 mm
Top Connection	4.5 in. REG PIN	NC50 Box	6.625 in. REG PIN	6.625 in. REG PIN	6.625 in. REG PIN	6.625 in. REG BOX	7.625 in. REG PIN	6.625 in. REG BOX	7.625 in. REG PIN	6.625 in. REG BOX	7.625 in. REG PIN
Bottom Connection	4.5 in. REG BOX	NC50 Box	6.625 in. REG BOX	6.625 in. REG BOX	6.625 in. REG BOX	6.625 in. REG BOX	7.625 in. REG BOX				
Minimum Outer Total Flow Area (TFA)	5.036 in. ² 3249 mm ²	16.600 in. ² 10 710 mm ²	8.601 in. ² 5549 mm ²	11.940 in. ² 7703 mm ²	23.089 in. ² 14 896 mm ²	25.100 in. ² 16 204 mm ²	24.130 in. ² 15 568 mm ²	29.870 in. ² 19 270 mm ²	32.730 in. ² 21 116 mm ²	49.647 in. ² 32 030 mm ²	39.280 in. ² 25 341 mm ²
Minimum Inner Total Flow Area (TFA)	3.980 in. ² 2564 mm ²	7.060 in. ² 2564 mm ²	6.209 in. ² 4006 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²	7.070 in. ² 4561 mm ²
Maximum Flow Rate	800 gpm 3028 lpm	650 gpm 2461 lpm	900 gpm 3407 lpm	1,100 gpm 4163 lpm	1,200 gpm 4542 lpm	1,200 gpm 4542 lpm	1,500 gpm 5677 lpm				
Maximum Operating Pressure*	5080 psi 350 bar	4350 psi 330 bar	4350 psi 330 bar	5080 psi 350 bar	4350 psi 330 bar	4350 psi 330 bar	5080 psi 350 bar	5080 psi 350 bar	5080 psi 350 bar	5076 psi 350 bar	5080 psi 350 bar
Activation Ball Diameter	0.43 in. 11 mm	0.43 in. 11 mm	0.43 in. 11 mm	0.43 in. 11 mm	0.50 in. 12.70 mm	0.50 in. 12.70 mm	0.50 in. 12.70 mm	0.50 in. 12.70 mm	0.50 in. 12.70 mm	-	0.50 in. 12.70 mm
Activation Ball Quantity	18	15	22	22	18	18	22	22	22	-	22
Approximate Tool Weight	260 lb 118 kg	254 lb 115 kg	364 lb 165 kg	449 lb 204 kg	586 lb 266 kg	516 lb 234 kg	1,067 lb 484 kg	1,036 lb 470 kg	1,396 lb 633 kg	1,764 lb 800 kg	1,839 lb 834 kg

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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