

# XR Prime™ Reamer Hole Enlargement Tool

**RELIABLE TOOL DESIGNED TO MINIMIZE DRILLSTRING VIBRATION EVEN IN EXTREME APPLICATIONS**

## OVERVIEW

The XR Prime™ reamer hole enlargement tool uses the reliable and proven platform of the XR™ reamer, with improved cutting structure and stability for small hole opening ratios and extreme applications.

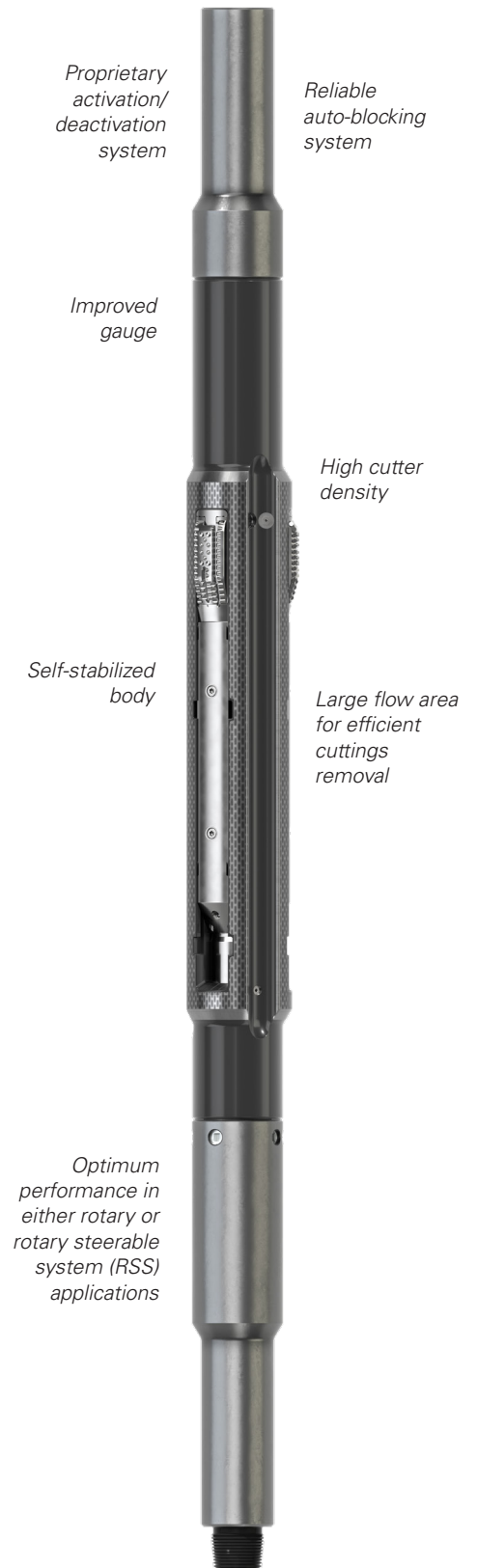
The XR Prime reamer provides concentric and simultaneous hole enlargement, with on-demand activation/deactivation systems where tool reliability, durability, and hole quality of the enlarged hole are important. The XR Prime reamer hole enlargement tool can be deactivated after enlarging the original pilot hole size, so that drilling can continue. This tool also allows full flow circulation while tripping out, as the tool can be deactivated and will remain dormant during tripout. The XR Prime reamer minimizes bottomhole assembly (BHA) vibration, macro-doglegs at formation transition interfaces, and the tendency to initiate “whirl.”

## FEATURES

- » Improved gauge
- » Articulated arm deployment
- » Auto-blocking system
- » Ball drop activation/deactivation system
- » Long stabilization below cutter arms

## BENEFITS

- » Minimal lateral vibration
- » Low flow rate required for arms to remain open
- » Reliable activation/deactivation system
- » Self-stabilized tool



Technical Specifications: XR Prime™ Reamer Hole Enlargement Tool

	XR 800	XR 1000	XR 1200	XR 1400	XR 1600	XR 1800
Opening Range (From)	8½ in.	10½ in.	12¼ in.	14¾ in.	16½ in.	19½ in.
Opening Range (Up To)	9¾ in.	12¼ in.	14¾ in.	17½ in.	19 in.	21 in.
Body Diameter	8¼ in.	10¼ in.	12 in.	14¼ in.	15¾ in.	17¾ in.
Pilot Hole Minimum	8½ in.	10½ in.	12¼ in.	14½ in.	16 in.	18½ in.
Maximum Operating Range	12¼ in.	14¾ in.	18½ in.	20½ in.	22 in.	24½ in.
Fishing Neck Length	20.47 in.	20.47 in.	20.47 in.	20.47 in.	20.47 in.	20.47 in.
Fishing Neck Diameter	7 in.	8 in.	8 in.	9¾ in.	9¾ in.	9¾ in.
Top Connection	NC50 Box	6¾-in. REG Box	6¾-in. (or 7¾-in.) REG Box	7¾-in. REG Box	7¾-in. REG Box	7¾-in. REG Box
Bottom Connection	NC50 Pin	6¾-in. REG Pin	6¾-in. (or 7¾-in.) REG Pin	7¾-in. REG Pin	7¾-in. REG Pin	7¾-in. REG Pin
Top Body Outside Diameter (OD)	7½ in.	9 in.	10 in.	10 in.	10 in.	10 in.
Bottom Body OD	7½ in.	9 in.	10 in.	10 in.	10 in.	10 in.
Stabilized Tool Length	36.44 in.	42.62 in.	60.24 in.	41.43 in.	38.02 in.	39.64 in.
Overall Makeup Length	13.5 ft	14.3 ft	14.0 ft	14.0 ft	13.0 ft	13.0 ft
Makeup Torque to BHA*	35,700 ft-lbf	53,400 ft-lbf	53,400 ft-lbf (84,400 lbf)	84,400 lbf	84,400 lbf	84,400 lbf
Minimum Outer Total Flow Area (TFA)	6.91 sq in.	14.53 sq in.	18.60 sq in.	21.70 sq in.	33.33 sq in.	49.33 sq in.
Minimum Inner TFA	1.95 sq in.	3.92 sq in.	2.80 sq in.	2.80 sq in.	2.80 sq in.	2.80 sq in.
Maximum Flow Rate	900 gpm	1,100 gpm	1,400 gpm	1,400 gpm	1,500 gpm	1,500 gpm
Minimum Operating Pressure*	725 psi	725 psi	725 psi	725 psi	725 psi	725 psi
Activation Ball Diameter	1.688 in.	2.165 in.	2.165 in. (2.000 in.)	2.165 in. (2.000 in.)	2.165 in. (2.000 in.)	2.165 in. (2.000 in.)
Deactivation Ball Diameter	1.875 in.	2.362 in.	2.625 in. (2.250 in.)	2.625 in. (2.250 in.)	2.625 in. (2.250 in.)	2.625 in. (2.250 in.)
Approximate Tool Weight	1,543 lb	2,453 lb	3,660 lb	3,697 lb	3,596 lb	4,147 lb

\* Nominal parameters will vary based on application. Please contact your sales representative for more information.



XR Prime™ reamer hole enlargement tool in open (left) and closed (right) positions

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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