


<b>TASMAN</b> 	DOC TITLE: OMNI Roller Reamer	DOC. No: TAS-DRT-ORR-001
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## OMNI Roller Reamer

The Omni Roller Reamer is an efficient Bottom Hole Assembly (BHA) reaming and torque reducing tool. It provides reaming action for improved borehole shape, size and quality. It also provides stabilization action by centralizing the BHA, minimizing down-hole vibrations, preventing the BHA from resting on the low side of the deviated hole, and minimizing BHA fatigue. Torque reduction results from touching the formation with a set of rollers spinning around their axes as a result of rotation of the central body.

Omni Roller Reamer is an efficient tool engineered and optimized to comprise a set of advanced features for enhanced reaming, high durability and maximum reliability.

3-Point Roller Reamer has one stage of cutters to allow the Roller Reamer to fit in almost every directional application.

### Applications & Benefits

- 3-Point Roller Reamer has application in almost every BHA. It provides an enhanced replacement of conventional fixed blade stabilizer. It has a specific significant application when the following is needed:

#### Applications


- Borehole size adjustment
- Elimination of ledges and hole irregularities
- BHA torque reduction
- BHA stick slip minimization
- Filter cake compaction
- Considerable back reaming requirements
- Suitable for almost all vertical and directional applications

#### Benefits

- Reduces BHA torque compared to conventional Stabilizer
- Provides efficient reaming for borehole size and shape adjustment
- Efficiently eliminates ledges, tortuosity's and micro doglegs
- Compacts mud filter cake as compared to scraping done by fixed blade stabilizer
- Reduces NPT during POOH by back reaming more efficiently than stabilizers
- Easy, fast field redressing
- Improved reliability compared to any Roller Reamer in the market



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## Technical Specification

Tool Size	Roller Reamer Body	Roller Reamer Cartridge		Fishing Neck Diameter (D)	Bore Dia (d)	Body max Diameter (B)	Fishing Neck Length (FN)	Total Length (L)	Number of Cutters
		Uni-Direction	Bi-Direction						
5 7/8"	60-BAS-RR-3P-BDY	57-RR-CRT-A	-	4 3/4"	1 1/4"	5 3/8"	22.5"	60"	3
6"		60-RR-CRT-A	-						
6 1/8"		61-RR-CRT-A	-						
6 1/4"		62-RR-CRT-A	-						
6 1/2"	65-BAS-RR-3P-BDY	57-RR-CRT-A	-	4 3/4"	1 1/4"	6"	22.5"	60"	3
6 5/8"		60-RR-CRT-A	-						
6 3/4"		61-RR-CRT-A	-						
7 3/8"	75-BAS-RR-3P-BDY	73-RR-CRT-A	-	5"	1 3/4"	6 3/4"	25.5"	65"	3
7 5/8"		75-RR-CRT-A	-						
7 7/8"		77-RR-CRT-A	-						
8 1/4"	84-BAS-RR-3P-BDY	82-RR-CRT-A	-	6 1/2"	2 1/4"	7 1/2"	27.5"	70"	3
8 3/8"		83-RR-CRT-A	83-RR-CRT-B						
8 1/2"		84-RR-CRT-A	84-RR-CRT-B						
8 3/4"		86-RR-CRT-A	86-RR-CRT-B						
9 1/2"	94-BAS-RR-3P-BDY	94-RR-CRT-A	94-RR-CRT-B	6 3/4"	2 13/16"	8 1/2"	28"	75"	3
9 7/8"		97-RR-CRT-A	97-RR-CRT-B						
10 5/8"	105-BAS-RR-3P-BDY	94-RR-CRT-A	94-RR-CRT-B	6 3/4"	2 13/16"	10 1/4"	26"	75"	3
11"		97-RR-CRT-A	97-RR-CRT-B						
11 3/4"	122-BAS-RR-3P-BDY	116-RR-CRT-A	116-RR-CRT-B	8 1/4"	2 13/16"	10 3/4"	27"	82"	3
12"		120-RR-CRT-A	120-RR-CRT-B						
12 1/8"		121-RR-CRT-A	121-RR-CRT-B						
12 1/4"		122-RR-CRT-A	122-RR-CRT-B						
13 1/2"	134-BAS-RR-3P-BDY	122-RR-CRT-A	122-RR-CRT-B	8 1/4"	2 13/16"	12 1/4"	30"	82"	3
13 3/4"		136-RR-CRT-A	136-RR-CRT-B						
14 3/4"	146-BAS-RR-3P-BDY	122-RR-CRT-A	122-RR-CRT-B	9 1/2"	3"	13 1/4"	31"	91"	3
16"	160-BAS-RR-3P-BDY	160-RR-CRT-A	160-RR-CRT-B	9 1/2"	3"	14"	33"	100"	3
17"	174-BAS-RR-3P-BDY	170-RR-CRT-A	170-RR-CRT-B	9 1/2"	3"	15 1/2"	32"	100"	3
17 1/2"		160-RR-CRT-A	160-RR-CRT-B						
18 1/2"	184-BAS-RR-3P-BDY	160-RR-CRT-A	160-RR-CRT-B	9 1/2"	3"	16 1/2"	29"	100"	3
22"	220-BAS-RR-4P-BDY	220-RR-CRT-A	220-RR-CRT-B	9 1/2"	3"	20"	36"	110"	4
23"		230-RR-CRT-A	230-RR-CRT-B						
24"		240-RR-CRT-A	240-RR-CRT-B						
26"	260-BAS-RR-4P-BDY	260-RR-CRT-A	260-RR-CRT-B	9 1/2"	3"	23 1/2"	38"	115"	4
28"	280-BAS-RR-4P-BDY	260-RR-CRT-A	260-RR-CRT-B	9 1/2"	3"	25 1/2"	37"	115"	4

Dimensions are subject to change without prior notice. Upon ordering, please specify the following:

Holes size.

Single or bi-direction cutter.

Body and cartridge codes.

Connection type (top) and connection type (bottom).

Any additional requirements or deviations from the above table

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