

# ROLLER REAMER

## Improved borehole quality, simplified maintenance

The Drillstar roller reamers are available in a wide range of sizes, in both 3-point and 6-point versions. Roller reamers are widely used to reduce BHA-induced torque and improve borehole quality in demanding applications such as long deviated or horizontal sections.

The main effect of replacing spiral stabilizers with roller reamers is reduced friction. As a result, torque is decreased and BHA stability improved.

This helps to reduce adverse effects such as stick-slip and vibrations, and improves weight transfer to the bit.

Fitted with open bearing cutters, they are rugged and easy to maintain in the field.

### Reamer Cutters

Drillstar provides 3 types of standard tungsten carbide hardfacing for stabilizers. In addition, custom hardfacings are also available: TSP, impregnated diamond, pressed TCI, etc. Feel free to enquire for any special need:



#### TYPE S

Suited for a soft and high drillability formation, this cutter's teeth are hardened, carburized and quenched to maximize their lifespan.



#### TYPE M

Milled-tooth cutter recommended in medium to medium-hard formations. The teeth are milled, machined and hardfaced with tungsten carbide.



#### TYPE H

This cutter features tungsten carbide inserts (TCI) for hard and semi-abrasive formations.



#### TYPE VH

Cutter with high TCI density for very hard and abrasive formations.



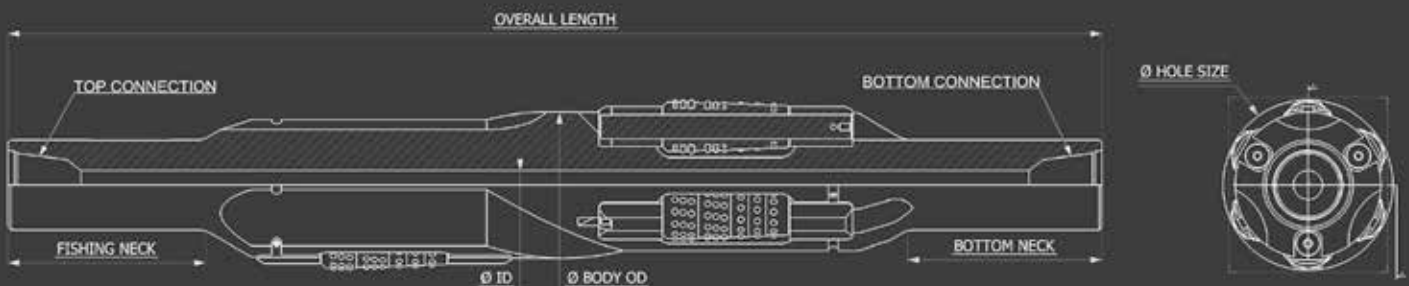
6" roller reamer



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## Standard dimensions

Hole Size	Cutter Size	Max Body Diam.	Body ID	Length	Weight with cutters (lb)
5 5/8"	2"	5"	1"	64"	230
5 7/8"	2"	5"	1"	64"	230
6"	2"	5 1/2"	1 1/4"	64"	260
6 1/8"	2"	5 1/2"	1 1/4"	64"	260
6 1/4"	2"	5 1/2"	1 1/4"	64"	260
6 1/2"	2"	5 3/4"	1 1/2"	64"	260
6 5/8"	2"	5 3/4"	1 1/2"	64"	260
6 3/4"	2"	5 3/4"	1 1/2"	64"	260
8 3/8"	2 5/8"	7 3/4"	1 7/8"	80"	575
8 1/2"	2 3/4"	7 3/4"	1 7/8"	80"	575
8 5/8"	2 3/4"	7 3/4"	1 7/8"	80"	575
8 3/4"	2 3/4"	7 3/4"	1 7/8"	80"	575
12"	4"	10 1/2"	2 13/16"	112"	1088
12 1/4"	4"	10 1/2"	2 13/16"	112"	1088
17 1/2"	5 1/2"	15"	3"	112"	2400
17 3/8"	5 1/2"	15"	3"	112"	2400
26"	7"	22"	3"	122"	3900



*Downhole Innovations, Made in France*