

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.



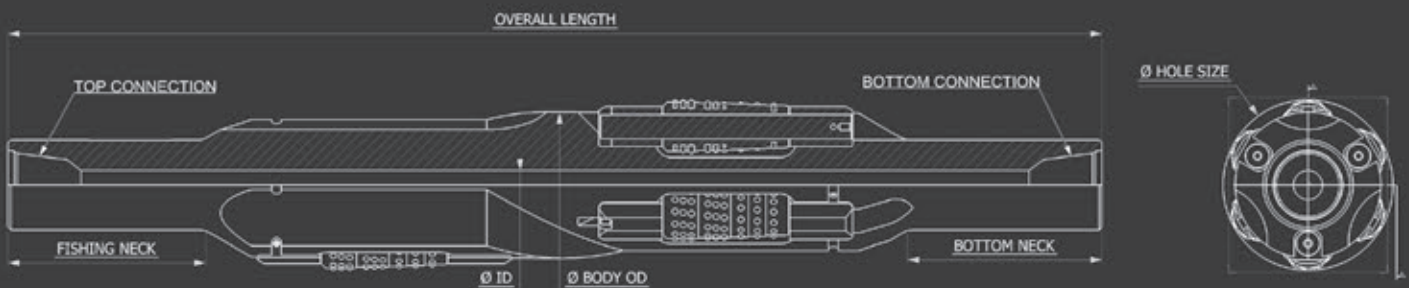
6" roller reamer



ROLLER REAMER

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 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