

PILOT MILL

DRILLSTAR Pilot Mill is ideal for milling tubular fish, cleaning a casing ID before running casing patch and suppressing the damaged parts of a casing.

Due to the pilot bit located below the blades, DRILLSTAR Pilot Mill can be perfectly directed to the target on the fish head, avoiding side tracking. Mud circulation holes between the blades facilitate the easy evacuation of cuttings. The pilot is hardfaced for optimum resistance to wear and smooth guiding of the milling blades.

The blades can be hardfaced with your choice of TOPLOY tungsten carbide grains or tungsten carbide cutting inserts. (TOPMILL - SWORDFISH®)

All features (Pilot diameter, fishing neck, number of blades, etc.) remain customizable to your needs.



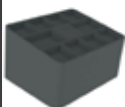
TOPLOY

*Copper alloy hardness : 120 to 130 Hv
Calibrated tungsten carbide grains.
Hardness: 1400 to 1700 Hv*

- Stabilizers (TOPLOY W) : satisfactory behaviour in soft formations.
- Mills (TOPLOY S) : excellent behaviour thanks to its matrix specially designed to release worn grains.

Cutting inserts

Drillstar cutting inserts are made of premium cutting grade tungsten carbide, and can replace TOPLOY on most milling tools. They enable you to mill faster and longer, while reducing the necessary weight on bit.



TOPMILL

these large, square-shaped tungsten carbide inserts are widely used today for all milling applications.



SWORDFISH®

These innovative inserts combine the advantages of both square and round-shaped models. (exclusivity from Cutting & Wear)



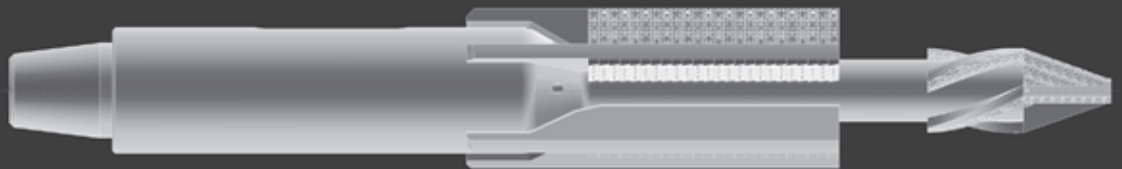
Pilot Mill with TOPMILL inserts



PILOT MILL

Standard dimensions

Dressed OD	Top Pin Connection API Reg.	Pilot OD	Overall Length	Fishing Neck		Weight (lbs)
				Length	OD	
3 1/4 - 3 7/8"	2 3/8"	1 3/4 - 2 3/4"	27"	12"	3"	40
4 - 4 3/8"	2 3/8"	1 3/4 - 2 3/4"	27"	12"	3 1/8"	45
4 - 5 3/8"	2 7/8"	2 - 3 1/4"	27"	12"	3 3/4"	120
5 1/2 - 5 5/8"	3 1/2"	2 1/2 - 4 3/4"	38"	16"	4 1/4"	240
5 3/4 - 7 3/8"	3 1/2"	2 1/2 - 4 3/4"	38"	16"	4 3/4"	255
6 - 9 7/8"	4 1/2"	4 3/4 - 6 3/4"	42"	18"	5 3/4"	305
9 7/8 - 17 1/2"	6 5/8"	7 3/4 - 15"	45"	18"	7 3/4"	550
17 1/2 - 20"	7 5/8"	7 3/4 - 15"	50"	18"	9 1/2"	800



Downhole Innovations, Made in France