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PIONEER SM SECTION MILL AND LIMITING STROKE CASING CUTTER

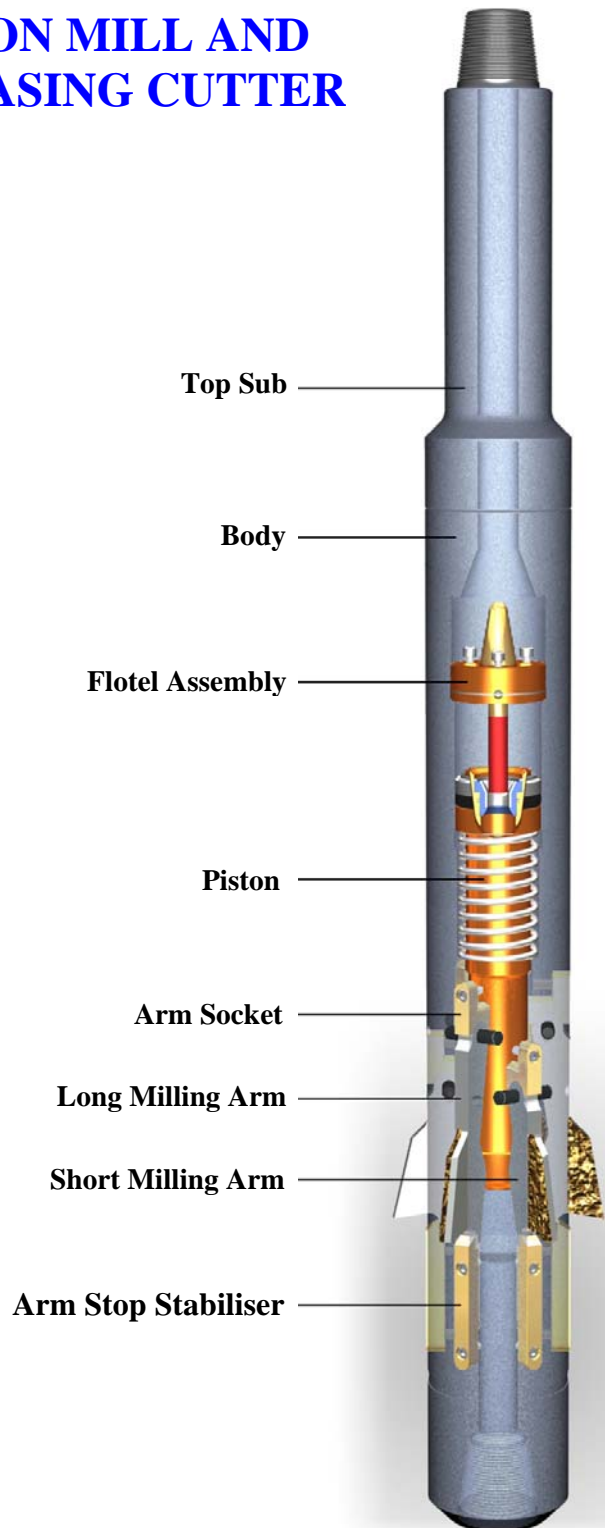
The PIONEER S.M. Series of tools is of rugged and simple design. Two sets of three, tungsten carbide alloy-faced arms work in tandem to minimise wear and maximise efficient cutting. Consistent with the complete tool design, arm removal and replacement is uncomplicated.

An important feature is the Flotel Assembly which, when the arms are fully extended, will reflect a drop in pump pressure, the operator at this time adds weight to continue milling the section from the casing.

Series	Casing Sizes	Body Dia.	API Pin Connector	Overall Length
SM0450	5.1/2"	4.1/2"	2.7/8 Reg	65"
SM0550	6.5/8" & 7"	5.1/2"	3.1/2 Reg	74"
SM0825	9.5/8"	8.1/4"	4.1/2 Reg	87"
SM1150	13.3/8" & 16"	11.1/4"	6.5/8 Reg	92"
Series	Max Milling Dia.	Fishing Neck Length	Fishing Neck Dia.	Approx. Weight
SM0450	6.3/4"	15"	3.3/4"	122 Kgs
SM0550	8.1/4"	17"	4.1/4"	175 Kgs
SM0825	12.3/4"	18"	6"	450 Kgs
SM1150	16.5/8"	23.1/2"	9"	980 Kgs

Optional jetting nozzles may be added to the Top Sub, these nozzles assist the removal of mill cuttings from the cutting face resulting in greater efficiency. Any requirement for jetting nozzles must be stated on the order.

Note: A comprehensive range of tools is readily available, call our Sales Office and discuss your complete requirements.



When time is of the essence, Pioneer delivers