

# WASHOVER SHOE

## DESCRIPTION

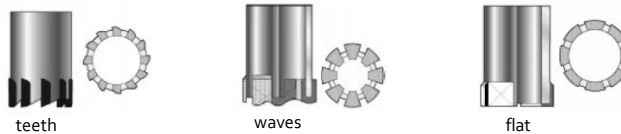
The Washover Shoes are designed in various sizes and styles to meet the many conditions encountered in oil well fishing and washover operations.

Located at the bottom of the washover string, Washover Shoe is used to cut a clearance between the fish and the wall of the well bore during retrieval operations or to release stuck downhole objects.

Washover Shoe can be dressed with carbide Inserts for hard milling and for best work duration.

Washover Extensions, Washover Pipes, and Top Subs are available according to the connection size of the washover string desired. Appropriate washover lifting equipment is also available.

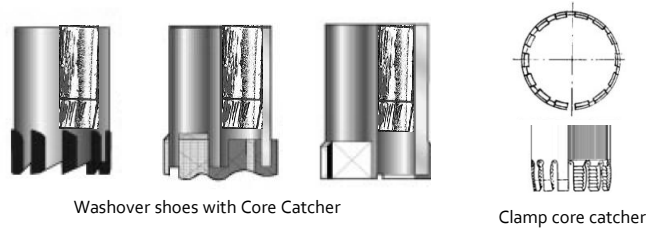
The following Washover shoe profiles are available in teeth, waves or flat design



## USE

Type	Outside Surfacing	Inside Surfacing	OD Profile	ID Profile	Use
A		x	flush	<	Cut metal on fish without cutting casing
B	x		>	flush	Washover, cut metal or formation in open hole
C	x	x	>	<	Washover, cut metal, cement or formation
D		x	flush	flush	Cut metal on fish without cutting casing where clearances are limited
E	x		flush	flush	Washover, cut metal, cement or formation in open hole where clearances are limited
F		x	flush	<	Tapered ID profile used to size and clean the top of the fish
G	x	x	>	flush	Washover, cut metal, cement or formation in open hole where inside clearance is limited
H	x	x	flush	flush	Washover, cut metal, cement or formation in open hole where outside clearance is limited
I			flush	flush	Wash over and cut formation only on the bottom

Washover Shoes can also be designed to be equipped with a **Core Catcher** inside



## YOU MAY ALSO BE INTERESTED BY :

- Packer Milling and Retrieving Tools
- Overshot

