



SECTION IV: PULLING TOOLS

Rebco offers additional Types of Pulling Tools with unique designs and specific function. These Pulling Tool types are designed to run and retrieve Sub-Surface equipment with external fishing neck.

Type 'ROTBB' Pulling Tool Assembly: 2.00" – 3.00"

Rebco Types 'ROTBB' Pulling Tool is a Shear-Up Pulling Tool with exposed dogs, and a smaller diameter of the shear pin. These features are advantageous when retrieving devices that may have obstructions such as wire around its external fishing neck, and in the event that the Pulling Tool needs to be released, the shear pin can be sheared more readily than the skirted type of Pulling Tools.

TECHNICAL DATA				
NOMINAL SIZE		2"	2 1/2"	3"
ASSEMBLY NUMBER		4001012000	4001012500	4001013000
ENGINEERING DATA:				
MAXIMUM OD		1.78"	2.25"	2.81"
PIN THREAD CONNECTION		15/16" - 10	15/16" - 10	1 1/16" - 10
FISHING NECK OD		1.375"	1.750"	2.313"
BOTTOM THREAD (PRONG)		1/2" - 13	1/2" - 13	1/2" - 13
WILL ENGAGE FISHING NECK OD		1.375"	1.750"	2.313"
REACH		1.44"	1.44"	1.44"
LENGTH		11.14"	11.25"	11.25"
MATERIAL		Alloy	Alloy	Alloy
ACCESSORIES	Core Nut Wrench	167173	167174	167175
	Special Core (Note 1)	40011	40013	40014



Note: 1. A Special Core is available for the Type 'ROTBB' Pulling Tool to pull Slip type Lock Mandrels (PRODUCT 10).

The Core can go inside the Fishing Neck of the Slip Lock and rest on the upper end of the tapered mandrel. This allows downward jarring force to be exerted on the tapered mandrel to move it down out of the slips and thereby unlock the slip type mandrel.

Fig 2 - Comparative of 'ROTR_' and 'ROTS_' Pulling Tools

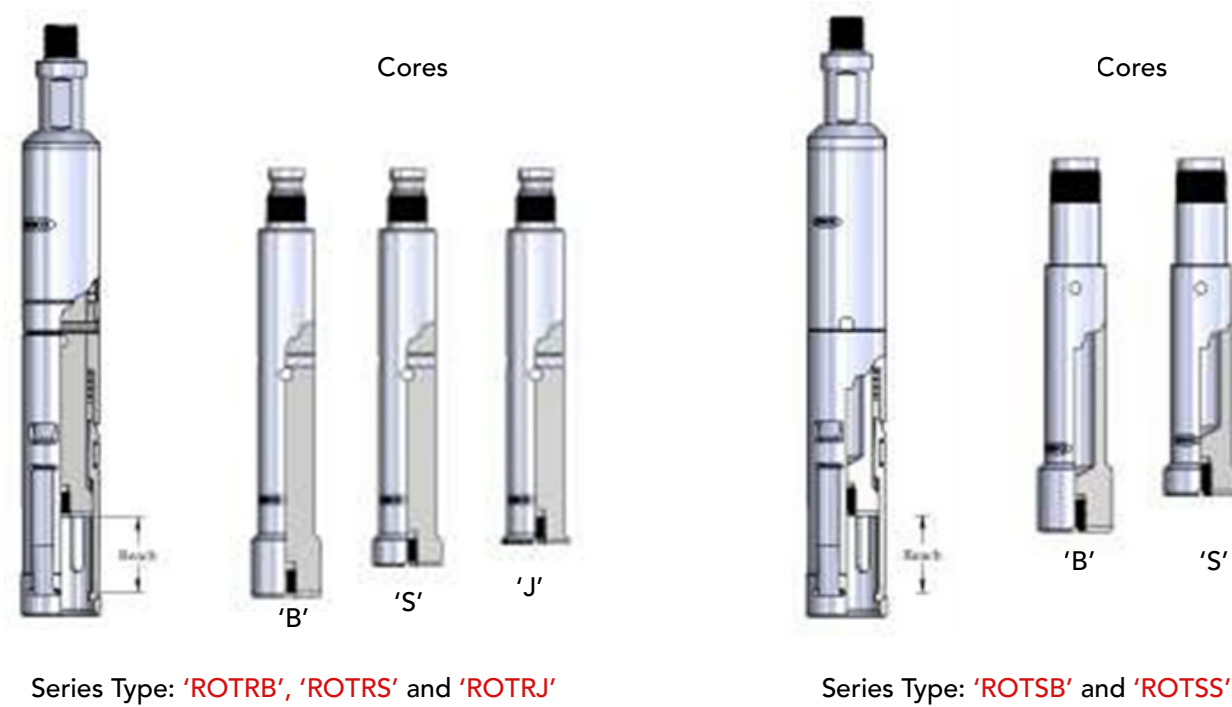


Chart: Pulling Tool Selection Guide

FISHING NECK TYPE TO ENGAGE	PULLING TOOL TYPE: SERIES			JAR TO RELEASE
	SHEAR UP	SHEAR DOWN	SPECIAL	
EXTERNAL	'ROTR_'		'RQ'	UP
	'ROTJU_'			
	'ROTB_'			
		'ROTS_'	'SQ'	DOWN
		'ROTJD_'		
		'RH'		
			'ROTSSJ'	DOWN w/Adapter
INTERNAL			'RMF'	MODE: Up/Down
	'ROTGR'			UP w/Adapter
	'ROTGRL'			
		'ROTGS'		DOWN
		'ROTGSL'		