



SECTION IV: PULLING TOOLS

Type '**ROTR**' Pulling Tool series are Shear Up design for external Fishing Neck.

Rebco offers a wide range of sizes within this group of Pulling Tools. These Tools are offered with three basic reaches to retrieve the Sub-Surface devices with external Fishing Neck.

Three types of Tools with reach designation:

- Type '**ROTRB**' - Short Reach
- Type '**ROTRS**' - Medium reach
- Type '**ROTRJ**' - Long Reach

Type '**ROTRJ**' Pulling Tool (Long Reach) Assembly: 1 1/4" – 4"

TECHNICAL DATA

NOMINAL SIZE	1 1/4"	1 1/2"	1 3/4"	2"	2 1/2"
ASSEMBLY NUMBER	4013071250	4013071500	4013071750	4013072000	4013072500

ENGINEERING DATA:

MAXIMUM OD	1.22"	1.430"	1.562"	1.77"	2.18"
PIN THREAD CONNECTION	5/8" - 11	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10
FISHING NECK OD	1.000"	1.187"	1.187"	1.375"	1.375"
BOTTOM THREAD (PRONG)	3/8" - 16	3/8" - 16	3/8" - 16	1/2" - 13	1/2" - 13
WILL ENGAGE FISHING NECK OD	1.000"	1.187"	1.187"	1.375"	1.750"
REACH	1.84"	2.55"	2.55"	2.63"	2.63"
LENGTH	13.30"	12.2"	12.2"	16.40"	16.36"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy

ACCESSORIES

PINNING TOOL ASS'Y	16711003	16711003	16711003	16711004	16711004
RELEASING TOOL	167004	167004	1670010	167005	167006
CORE WRENCH	167023	167023	167023	167024	167024





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Type 'ROTRJ' Pulling Tool (Long Reach) Assembly: 1 1/4" – 4"

TECHNICAL DATA

NOMINAL SIZE	3"	3 1/2"	4"
ASSEMBLY NUMBER	4013073000	4013073500	4013074000

ENGINEERING DATA:

MAXIMUM OD	2.74"	3.11"	3.67"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	2.313"	2.313"	2.313"
BOTTOM THREAD (PRONG)	5/8" - 11	5/8" - 11	1 1/4" - 12
WILL ENGAGE FISHING NECK OD	2.313"	2.750"	3.125"
REACH	2.69"	2.2"	2.80"
LENGTH	16.06"	15.87"	18.0"
MATERIAL	Alloy	Alloy	Alloy

ACCESSORIES

PINNING TOOL ASS'Y	16711005	16711005	16711006
RELEASING TOOL	167007	167009	167008
CORE WRENCH	167025	167025	167026



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

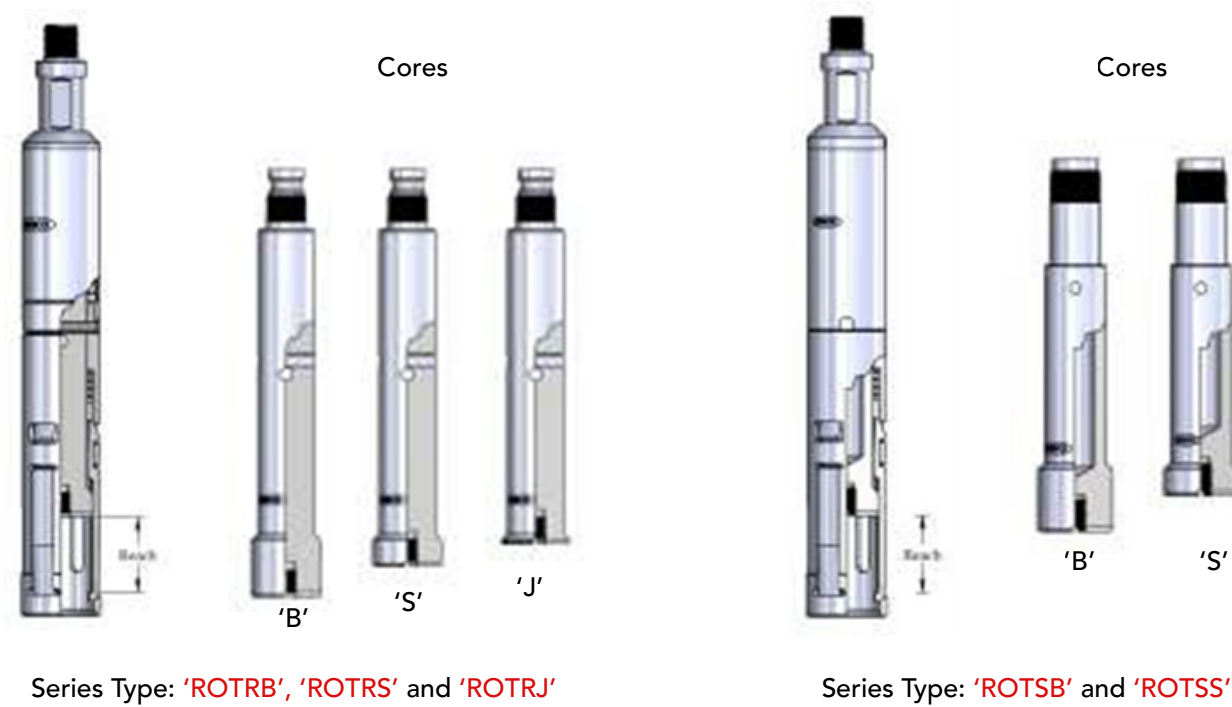


Chart: Pulling Tool Selection Guide

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'		