



SECTION IV: PULLING TOOLS

Type 'ROTGR' Pulling Tool Assembly: 1.25" – 7.00"

Rebco Types 'ROTGR' Pulling Tool is a combination tool made up of the Type 'ROTGS' Pulling Tool and Type 'ROTGU' Shear-Up Adapter.

NOTE: Do not place a SHEAR PIN in the Type 'ROTGS' Pulling Tool section of the Type 'ROTGR' Pulling Tool Assembly.

TECHNICAL DATA

NOMINAL SIZE	1 1/4"	1 1/2"	2"	2"	2 1/2"
ASSEMBLY NUMBER	40051312500	40051315000	40051317800	40051318700	40051321800

ENGINEERING DATA:

MAXIMUM OD	1.16"	1.47"	1.75"	1.81"	2.16"
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"	1.375"	1.375"	1.750"
BOTTOM THREAD (PRONG)	3/8" - 16	1/2" - 13	1/2" - 13	1/2" - 13	5/8" - 11
WILL ENGAGE FISHING NECK ID	.88"	1.06"	1.38"	1.38"	1.81"
REACH	1.08"	1.62"	1.62"	1.62"	1.62"
LENGTH	14.03"	17.62"	18.54"	18.54"	19.07"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy





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Type 'ROTGR' Pulling Tool Assembly:

TECHNICAL DATA

NOMINAL SIZE	2 1/2"	3"	3 1/2"	4"	5"
ASSEMBLY NUMBER	40051323100	40051327500	40051331202	40051336804	40051345600

ENGINEERING DATA:

MAXIMUM OD	2.25"	2.72"	3.12"	3.62"	4.50"
PIN THREAD CONNECTION	15/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	1.750"	2.313"	2.313"	2.313"	3.125"
BOTTOM THREAD (PRONG)	5/8" - 11	5/8" - 11	1 3/8" - 12	2 1/8" - 12	2 1/2" - 10
WILL ENGAGE FISHING NECK ID	1.812"	2.31"	2.62"	3.12"	4.00"
REACH	1.62"	1.62"	1.62"	1.62"	1.62"
LENGTH	19.07"	19.42"	19.65"	19.65"	25.16"
MATERIAL	Alloy	Alloy	Alloy	Alloy	Alloy



TECHNICAL DATA

NOMINAL SIZE	6"	7"	7"
ASSEMBLY NUMBER	40051356200	40051358700	40051359600

ENGINEERING DATA:

MAXIMUM OD	5.56"	5.83"	5.88"
PIN THREAD CONNECTION	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK OD	3.125"	3.125"	3.125"
BOTTOM THREAD (PRONG)	2 3/4" - 10	3 5/8" - 10	3 5/8" - 10
WILL ENGAGE FISHING NECK ID	4.75"	5.38"	5.38"
REACH	1.78"	1.86"	1.86"
LENGTH	27.3"	27.53"	27.53"
MATERIAL	Alloy	Alloy	Alloy

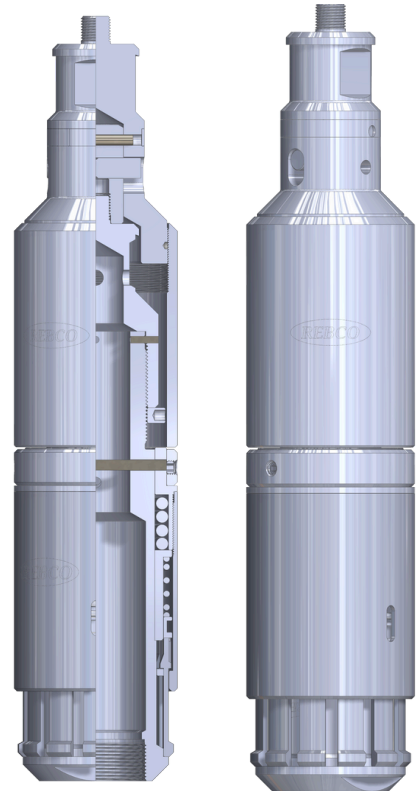


Fig 2 - Comparative of 'ROTR_' and 'ROTS_' Pulling Tools

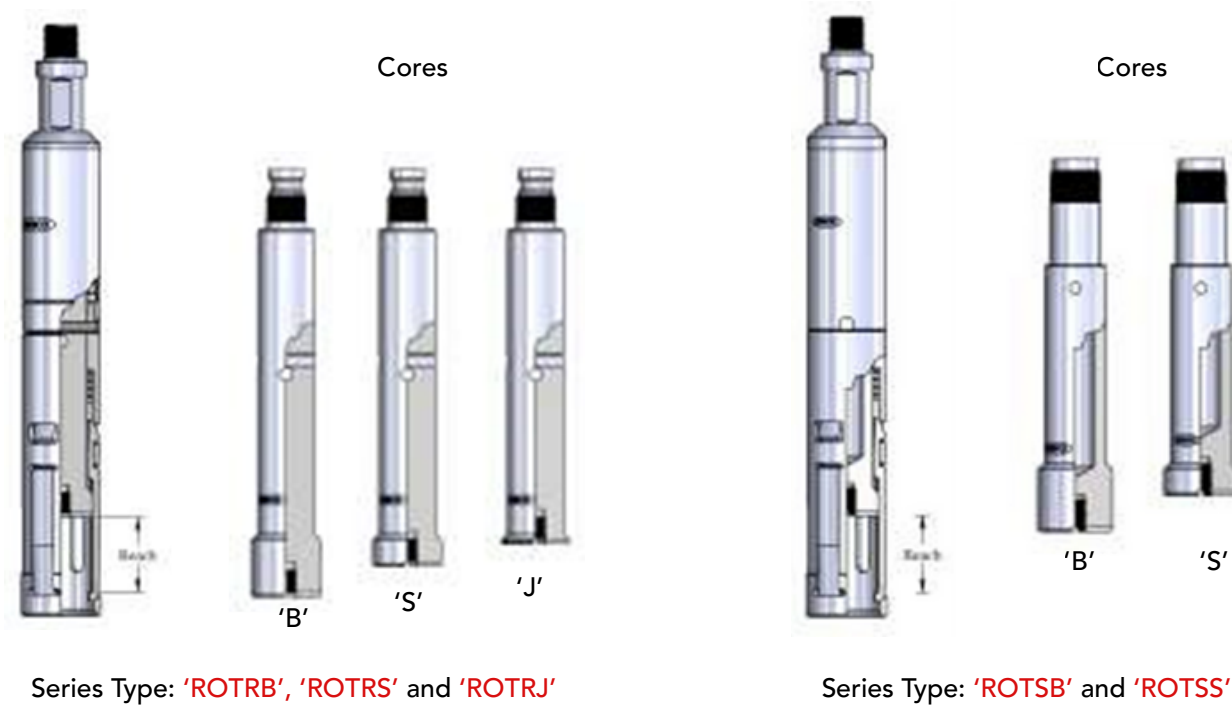


Chart: Pulling Tool Selection Guide

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'		