



SECTION V: SHIFTING TOOLS

Type 'ROTBO' Shifting Tool Assembly: 1.250" – 4.562"

Rebco Type 'ROTBO' Shifting Tool is used to move the inner sleeve of several types of Sliding Sleeves.

The [Alternate](#) (Positive) Keys are also available. These Keys are used for specific applications.

Product Code: 42

TECHNICAL DATA

SLEEVE SIZE	1.250"	1.375"	1.500"	1.625"
ASSEMBLY NUMBER	42012012500	42012013700	42012015000	42012016200

ENGINEERING DATA:

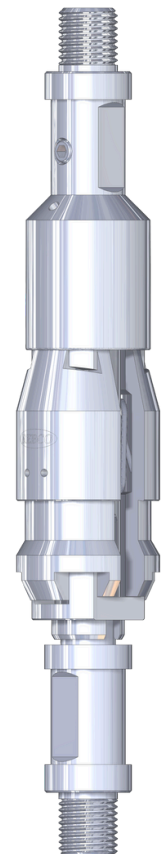
KEYS EXPANDED – OD Min	1.39"	1.64"	1.63"	1.89"
BODY OD	1.24"	1.36"	1.42"	1.61"
LENGTH	11.1"	11.1"	12.4"	12.75"
MATERIAL	Alloy	Alloy	Alloy	Alloy
PIN THREAD	5/8" - 11	5/8" - 11	15/16" - 10	15/16" - 10
FISHING NECK SIZE	1.000"	1.000"	1.187"	1.187"
Ref: ALTERNATE (Positive) KEY	42004	42005	42006	420180

TECHNICAL DATA

SLEEVE SIZE	1.710"	1.781"	1.875"	2.125"
ASSEMBLY NUMBER	42012017100	42012017800	42012018700	42012021200

ENGINEERING DATA:

KEYS EXPANDED – OD Min	2.11"	2.08"	2.11"	2.49"
BODY OD	1.69"	1.75"	1.75"	1.97"
LENGTH	12.75"	12.75"	13.38"	13.3"
MATERIAL	Alloy	Alloy	Alloy	Alloy
PIN THREAD	15/16" - 10	15/16" - 10	15/16" - 10	15/16" - 10
FISHING NECK SIZE	1.187"	1.375"	1.375"	1.375"
Ref: ALTERNATE (Positive) KEY	42007	420137	4201153	4201388





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Type '**ROTBO**' Shifting Tool Assembly:

TECHNICAL DATA				
SLEEVE SIZE	2.188"	2.313"	2.562"	2.750"
ASSEMBLY NUMBER	42012021800	42012023100	42012025600	42012027500
ENGINEERING DATA:				
KEYS EXPANDED – OD Min	2.59"	2.59"	2.96"	3.02"
BODY OD	2.17"	2.17"	2.53"	2.71"
LENGTH	13.94"	13.94"	13.94"	14.19"
MATERIAL	Alloy	Alloy	Alloy	Alloy
PIN THREAD	15/16" - 10	15/16" - 10	15/16" - 10	1 1/16" - 10
FISHING NECK SIZE	1.750"	1.750"	1.750"	2.313"
Ref: ALTERNATE (Positive) KEY	42008	4201146	42003	420151



TECHNICAL DATA				
SLEEVE SIZE	2.813"	3.313"	3.688"	3.750"
ASSEMBLY NUMBER	42012028100	42012033100	42012036800	42012037500
ENGINEERING DATA:				
KEYS EXPANDED – OD Min	3.02"	3.62"	4.07"	4.15"
BODY OD	2.71"	3.25"	3.66"	3.67"
LENGTH	14.19"	16.19"	14.86"	14.86"
MATERIAL	Alloy	Alloy	Alloy	Alloy
PIN THREAD	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK SIZE	2.313"	2.313"	3.125"	3.125"
Ref: ALTERNATE (Positive) KEY	4201349	42009	42002	420010



NOTE: Ordering Type '**ROTBO**' Shifting Tool Assembly with POSITIVE (**Alternate**) Keys, please specify.



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Type 'ROTBO' Shifting Tool Assembly:

TECHNICAL DATA			
SLEEVE SIZE	3.813"	4.313"	4.562"
ASSEMBLY NUMBER	42012038100	42012043100	42012045600
ENGINEERING DATA:			
KEYS EXPANDED – OD Min	4.12"	4.84"	4.93"
BODY OD	3.75"	4.25"	4.52"
LENGTH	14.86"	17.25"	17.38"
MATERIAL	Alloy	Alloy	Alloy
PIN THREAD	1 1/16" - 10	1 1/16" - 10	1 1/16" - 10
FISHING NECK SIZE	3.125"	2.313"	3.125"
Ref: ALTERNATE (Positive) KEY	42001	420011	4201451



New Type 'ROTBO' Shifting Tool Assembly: 3.437" – 3.562"

Rebco Type 'ROTBO' Shifting Tool is a new version of the 'ROTBO' Shifting Tool. The difference is that the Keys are expanded with an aid of Coil Springs.

TECHNICAL DATA			
SLEEVE SIZE	3.437" / 3.562"		
ASSEMBLY NUMBER	Selective	420120242	
	Positive		420120278
ENGINEERING DATA:			
KEYS EXPANDED – OD Min	4.08"	4.08"	
BODY OD	3.41"	3.41"	
LENGTH	15.2"	15.2"	
MATERIAL	Alloy	Alloy	
PIN THREAD	1 1/16" - 10	1 1/16" - 10	
FISHING NECK SIZE	2.313"	2.313"	



Selective Keys



Positive Keys