



SECTION XIV: LOCK MANDRELS

Type 'ROTZ-1' & 'ROTZ-2' Lock Mandrel Sub-Assembly: 1.660" – 4.50"

Rebco Type 'ROTZ-1' & 'ROTZ-2' is a Bottom No-Go, Non Flowing Lock. Lock Mandrel Sub-Assembly has Locks (Dogs) facing up which prevent upward movement, but depends on accessory No-Go shoulder to prevent the Lock Mandrel from downward movement. The Lock Mandrel can be used in a Bottom No-Go type Nipple only.

Product Code: 10

NOTE: Required Running and Pulling Tools with appropriate Probes are shown in ENGINEERING DATA for Type of Accessories attached to the Lock Mandrel Sub-Assembly.

Rebco Type 'ROTZ-1' and 'ROTZ-2' Lock Mandrel Sub-Assemblies are available in variety of Materials, suitable for down-hole conditions.

TECHNICAL DATA

NOMINAL SIZE	1.660"	1.900"	2 1/16"	2 3/8"
SEAL BORE SIZE	1.18" - 1.25"	1.43" - 1.50"	1.56"	1.78" - 1.87"
SUB ASSEMBY	TYPE of LOCK - (DET 2)	'ROTZ-1'	'ROTZ-2'	'ROTZ-2'
	SUB-ASS'Y NUMBER	10221201660	10222201900	10222202060

ENGINEERING DATA:

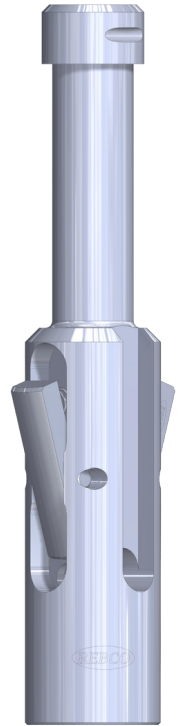
MAXIMUM OD	1.156"	1.406"	1.531"	1.750"
FISHING NECK SIZE	.875"	1.187"	1.187"	1.375"
MINIMUM ID	.87"	.75"	.75"	.88"
LENGTH	6.12"	6.62"	6.44"	7.53"
MATERIAL	Alloy	Alloy	Alloy	Alloy

TECHNICAL DATA

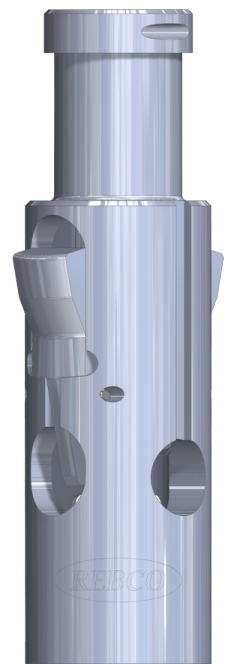
NOMINAL SIZE	2 7/8"	3 1/2"	3 1/2"	4 1/2"
SEAL BORE SIZE	2.25" - 2.31"	2.56"	2.75" - 2.81"	3.68" - 3.81"
SUB ASSEMBY	TYPE of LOCK - (DET 2)	'ROTZ-2'	'ROTZ-2'	'ROTZ-1'
	SUB-ASS'Y NUMBER	10222202870	10222202560	10222203500

ENGINEERING DATA:

MAXIMUM OD	2.188"	2.500"	2.688"	3.562"
FISHING NECK SIZE	1.750"	1.750"	2.313"	3.125"
MINIMUM ID	1.19"	1.20"	1.44"	2.06"
LENGTH	7.69"	8.25"	10.47"	9.93"
MATERIAL	Alloy	Alloy	Alloy	Alloy



'ROTZ-1'



'ROTZ-2'