



SECTION XIV: LOCK MANDRELS

Type 'ROTW' Tubing Slip Mandrel Sub-Assembly: 1 3/4" – 4 1/2"

Rebco Type 'ROTW' Slip Mandrel Sub-Assembly is to be set into the Tubing without Nipples. The Element Sub-Assembly is designed to pack off the tubing ID.

NOTE: Type 'ROTW' Mandrel, attached with various types of Equalizing Sub-Assemblies, is designed to hold pressure from below only.



TECHNICAL DATA

NOMINAL SIZE	1 3/4"	2"	2 1/2"	3 1/2"
SUB-ASSEMBLY NUMBER	10172017500	10172020000	10172025000	10172030000

ENGINEERING DATA:

MAXIMUM OD	SLIPS RETRACTED	1.59"	1.86"	2.31"	2.84"
	SLIPS EXPANDED	1.82"	2.09"	2.53"	3.08"
ELEMENT OD		1.609"	1.859"	2.297"	2.843"
MINIMUM ID		.56"	.69"	.88"	1.38"
FISHING NECK OD		1.187"	1.375"	1.750"	2.313"
RUNNING NECK ID		.69"	.80"	.98"	1.89"
BOTTOM THREAD - PIN		7/8" - 14	1" - 14	1 1/4" - 12	1 1/2" - 12
LENGTH		15.56"	18.88"	19.38"	20.26"
MATERIAL		Alloy	Alloy	Alloy	Alloy

RUNNING TOOL - 'ROTW'	4117201500	4117202025	4117202025	4117203000
PULLING TOOL - 'ROTRB'	4013011500	4013012000	4013012500	4013013000

Product Code: 91

Rebco Type 'ROTW' Element Sub-Assembly (DET 7) is available as a Redress Kit.

TECHNICAL DATA

NOMINAL SIZE	1 3/4"	2"	2 1/2"	3 1/2"
ELEMENT SUB-ASSEMBLY NUMBER	9109201750	9109202000	9109202500	9109203000

ENGINEERING DATA:

MAXIMUM OD	1.609"	1.924"	2.309"	2.843"
PIN THREAD	1 3/16" - 16	1 3/8" - 12	1 3/4" - 12	2 1/4" - 12
LENGTH	4.27"	5.48"	5.50"	5.53"
MATERIAL	Alloy	Alloy	Alloy	Alloy





SECTION XIV: LOCK MANDRELS

Type '**ROTW**' Tubing Slip Mandrel Sub-Assembly:

TECHNICAL DATA

NOMINAL SIZE	4"
SUB-ASSEMBLY NUMBER	10172040000

ENGINEERING DATA:

MAXIMUM OD	SLIPS RETRACTED	3.78"
	SLIPS EXPANDED	4.03"
ELEMENT OD		3.781"
MINIMUM ID		1.75"
FISHING NECK OD		2.750"
RUNNING NECK ID		1.91"
BOTTOM THREAD - PIN		2 7/8" - 12
LENGTH		24.9"
MATERIAL		Alloy

RUNNING TOOL - '**ROTW**' 4117203500

PULLING TOOL - '**ROTRB**' 4013013500



Product Code: 91

Rebco Type '**ROTW**' Element Sub-Assembly (**DET 11**) is available as a Redress Kit.

TECHNICAL DATA

NOMINAL SIZE	4"
ELEMENT SUB-ASSEMBLY NUMBER	9109204000

ENGINEERING DATA:

MAXIMUM OD	3.70"
PIN THREAD	3 3/16" - 12
LENGTH	5.47"
MATERIAL	Alloy

