



REBCO OIL TOOLS

EXCEEDING EXPECTATIONS ONE
TOOL AT A TIME

Gas Lift Kick Over Tools



SECTION XI: GAS LIFT - KICK OVER TOOLS

PRODUCT DESCRIPTION: GAS LIFT - KICK OVER TOOLS

Gas Lift operations are efficient and cost efficient means of optimizing the production rates of the wells.

In this Section, *Rebco* presents the KOT's (*Kick-Over Tools*) offered. The *Running* and *Pulling* Tools, as well as some of the *Accessories* required, are listed in Sections, 3 and 4.

Chart: Kick-Over Tools available from *Rebco*

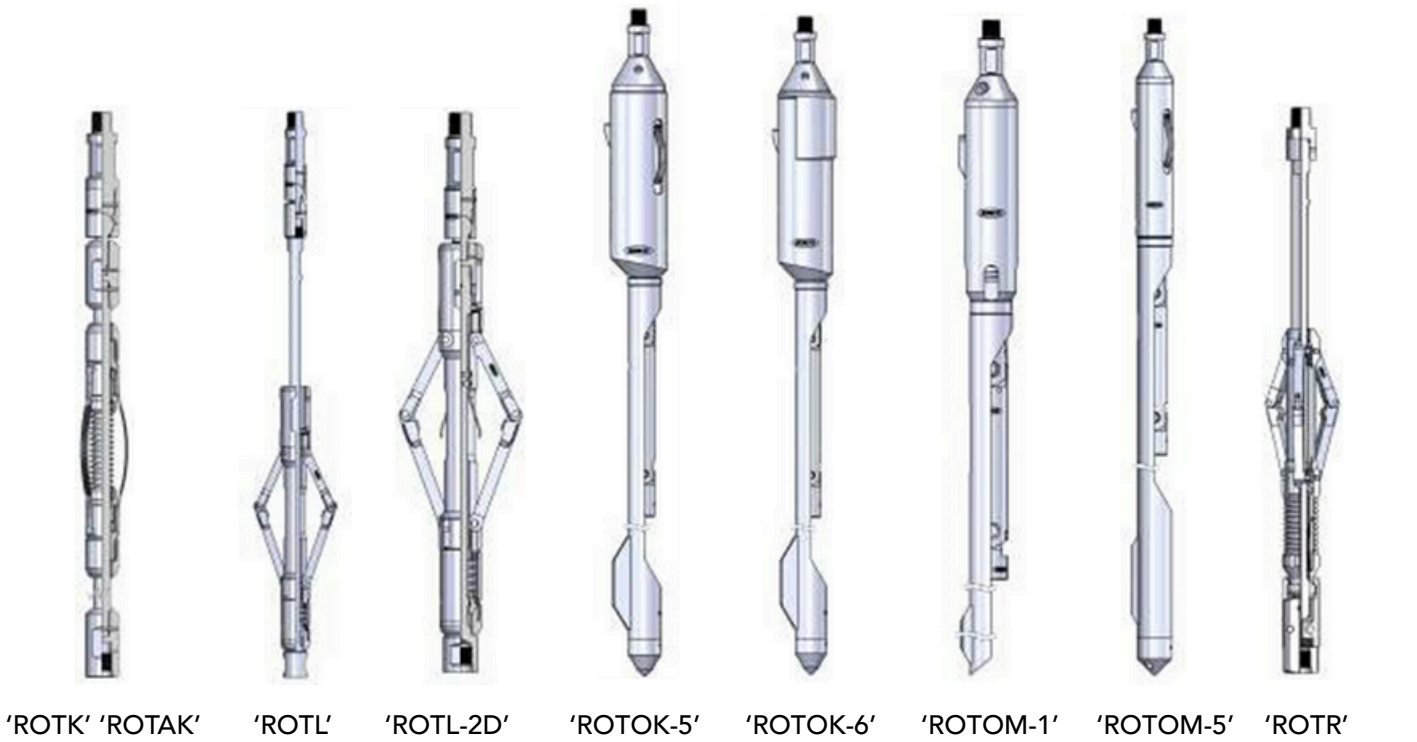


Table of Contents

GAS LIFT - KICK OVER TOOLS	PRODUCT CODE	PAGE
'ROTK' and 'ROTAK'	195	XI-1
'ROTL' and 'ROTL2-D'	194	XI-2-3
'ROKOK-5'	192	XI-4-5
'ROKOK-6'	192	XI-6
'ROTOM-1'	191	XI-7-8-9-10
'ROTOM-5'	191	XI-11
'ROTR'	193	XI-12



SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTL' Kick-Over Tool (KOT) Assembly: 2" - 2 1/2"

Rebco Type 'ROTL' KOT is used to install and retrieve 1" OD side pocket sub-surface control devices into Side Pocket Mandrels (SPM).

Product Code: 194

TECHNICAL DATA	
NOMINAL SIZE	2" - 2 1/2"
ASSEMBLY NUMBER	194082250
KICK OVER TOOL TYPE	Type 'ROTL'
ENGINEERING DATA:	
PIN THREAD CONNECTION	15/16" – 10
FISHING NECK OD	1.187"
LENGTH	29.94"
MATERIAL	Alloy



'ROTL' Series KOT



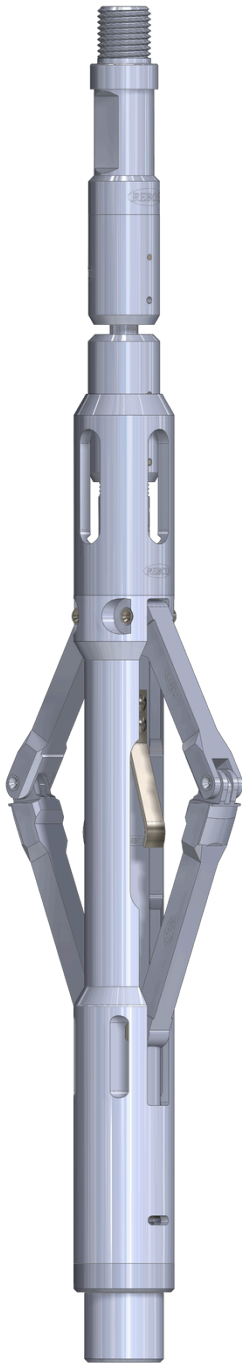
SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTL-2D' Kick-Over Tool (KOT) Assembly: 2"- 2 1/2", 3"

Rebco Type 'ROTL-2D' KOT is used to install and retrieve 1" and 1 1/2" OD Sub-surface control devices into Side Pocket Mandrels (SPM).

Product Code: 194

TECHNICAL DATA		
NOMINAL SIZE	2" - 2 1/2"	3"
ASSEMBLY NUMBER	194082032250	194082033000
KICK OVER TOOL TYPE	Type 'ROTL-2D'	Type 'ROTL-2D'
ENGINEERING DATA:		
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10
FISHING NECK OD	1.187"	1.187"
LENGTH	21"	21"
MATERIAL	Alloy	Alloy



'ROTL-2D' Series KOT



SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOK-5' Kick-Over Tool (KOT) Assembly: 2" – 4 1/2"

Rebco Type 'ROTOK-5' KOT is used to install and retrieve 1" OD side pocket sub-surface control devices in to Side Pocket Mandrels (SPM).

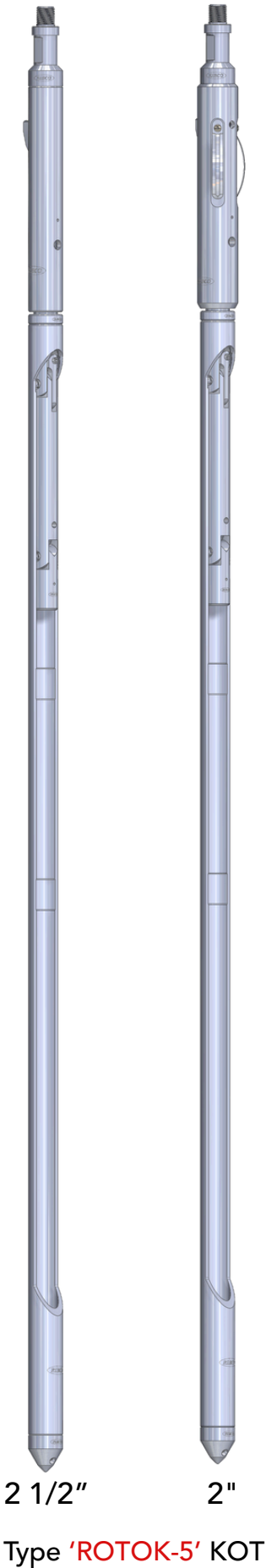
Type 'ROTOK-5' Kick-Over Tools have spring type centralizers.

Product Code: 192

SPECIFICATIONS		
NOMINAL SIZE	2"	2 1/2"
ASSEMBLY NUMBER	192202452000	192202452500
ENGINEERING DATA:		
MAXIMUM OD	1.750"	2.063"
Tubing ID required for proper tool orientation	1.945"	2.437"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10
FISHING NECK OD	1.375"	1.375"
LENGTH	64 7/8"	67.0"
MATERIAL	Alloy	Alloy

ACCESSORY:

Service Tool: Type 'ST' for Detent Spring	5514151
---	---------





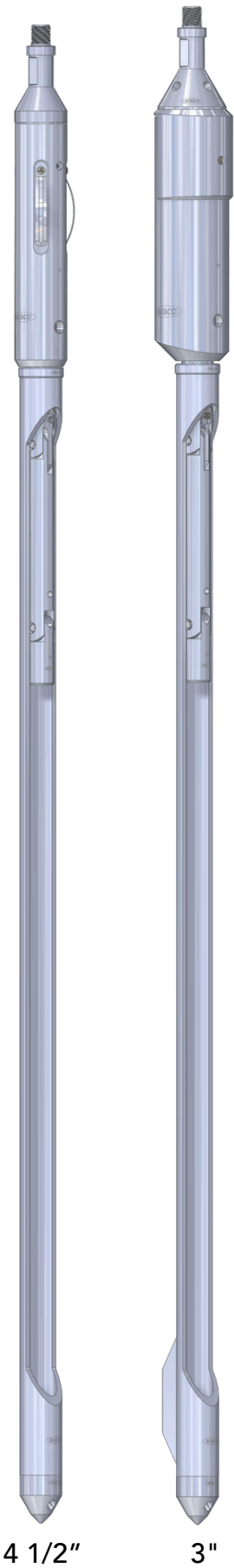
SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOK-5' Kick-Over Tool (KOT) Assembly:

TECHNICAL DATA		
NOMINAL SIZE	3"	4 1/2"
ASSEMBLY NUMBER	192202453000	192202454500
ENGINEERING DATA:		
MAXIMUM OD	2.500"	3.500"
Tubing ID required for proper tool orientation	2.921"	3.958"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10
FISHING NECK OD	1.375"	1.375"
LENGTH	71 1/8"	71 7/8"
MATERIAL	Alloy	Alloy

ACCESSORY:

Service Tool: Type 'ST' for Detent Spring	5514151
---	---------



4 1/2"

3"

Type 'ROTOK-5' KOT



SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOK-6' Kick-Over Tool (KOT) Assembly: 2 1/2" – 4 1/2"

Rebco Type 'ROTOK-6' KOT is used to install and retrieve 1" OD side pocket sub-surface control devices in to Side Pocket Mandrels (SPM).

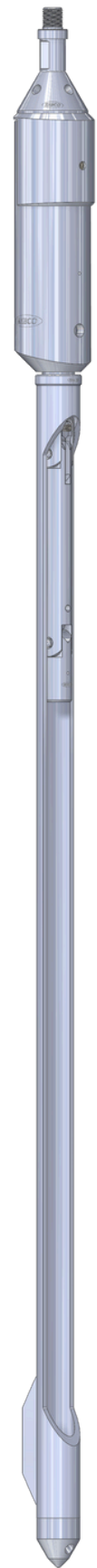
Type 'ROTOK-6' Kick-Over Tools have sleeve type centralizer.

Product Code: 192

TECHNICAL DATA			
NOMINAL SIZE	2 7/8"	3"	4 1/2"
ASSEMBLY NUMBER	192202462500	192202463000	192202464500
ENGINEERING DATA:			
MAXIMUM OD	2.223"	2.500"	3.500"
Tubing ID required for proper tool orientation	2.437"	2.921"	3.958"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10	15/16" – 10
FISHING NECK OD	1.375"	1.375"	1.375"
LENGTH	67.0"	71.125"	71.87"
MATERIAL	Alloy	Alloy	Alloy

ACCESSORY:

Service Tool: Type 'ST' for Detent Spring	5514151
---	---------



4 1/2"

'ROTOK-6' Series KOT



SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOM-1' Kick-Over Tool (KOT) Assembly: 2" – 7"

Rebco Type 'ROTOM-1' KOT is used to install and retrieve 1 1/2" OD side pocket sub-surface control devices into Side Pocket Mandrels (SPM).

NOTE: Type 'ROTOM-1' Kick-Over Tools are available (Variation) with or without Catcher Sub-Assembly , when ordering, please specify.

Product Code: 191

TECHNICAL DATA			
NOMINAL SIZE	2"	2 1/2"	3"
ASSEMBLY NUMBER	191200912000	191200912500	191200913000
ENGINEERING DATA:			
VARIATION Available, See Note			YES Note
MAXIMUM OD	1.859"	2.223"	2.739"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10	15/16" – 10
FISHING NECK OD	1.375"	1.375"	1.375"
LENGTH	88.687"	81.750"	81.875"
MATERIAL	Alloy	Alloy	Alloy
ACCESSORY:			
SPACER BAR - (1 1/2" x 11 1/4")	5500819	5500819	5500819

NOTE: All Rebco KOTs with Catcher:

- 2 1/2" "ROTOM-1" catchers 00 QTY 2
- 2 1/2" "ROTOM-1" catchers 00 QTY 2





SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOM-1' Kick-Over Tool (KOT) Assembly:

TECHNICAL DATA	
NOMINAL SIZE	4"
ASSEMBLY NUMBER	191200914500
ENGINEERING DATA:	
MAXIMUM OD	3.723"
PIN THREAD CONNECTION	15/16" – 10
FISHING NECK OD	1.375"
LENGTH	81.75"
MATERIAL	Alloy
ACCESSORY:	
SPACER BAR - (1 1/2" x 11 1/4")	5500819





SECTION XI: GAS LIFT - KICK OVER TOOLS

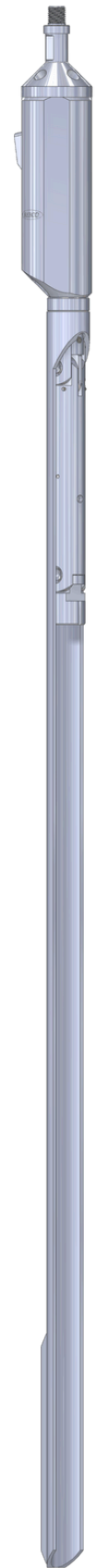
Type 'ROTOM-1' Kick-Over Tool (KOT) Assembly:

TECHNICAL DATA		
NOMINAL SIZE	5"	5" <u>NOTE</u>
ASSEMBLY NUMBER	191200915000	191200915001
ENGINEERING DATA:		
MAXIMUM OD	4.068"	3.920"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10
FISHING NECK OD	1.375"	1.375"
LENGTH	82.187"	82.187"
MATERIAL	Alloy	Alloy

ACCESSORY:

SPACER BAR - (1 1/2" x 11 1/4")	5500819	5500819
---------------------------------	---------	---------

Note: Assembly No 191200915001 is Special OD to pass through 4.125" SSSV





SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOM-1' Kick-Over Tool (KOT) Assembly:

TECHNICAL DATA

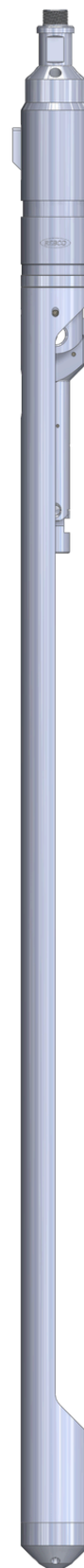
NOMINAL SIZE	5 1/2"
ASSEMBLY NUMBER	191200915500

ENGINEERING DATA:

MAXIMUM OD	4.250"
PIN THREAD CONNECTION	1 9/16" – 10
FISHING NECK OD	2.313"
LENGTH	78.125"
MATERIAL	Alloy

ACCESSORY:

SPACER BAR - (1 1/2" x 11 1/4")	5500819
---------------------------------	---------





SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTOM-5' Kick-Over Tool (KOT) Assembly: 3 1/2"

Rebco Type 'ROTOM-5' KOT is used to install and retrieve 1 1/2" OD side pocket sub-surface control devices into Side Pocket Mandrels (SPM).

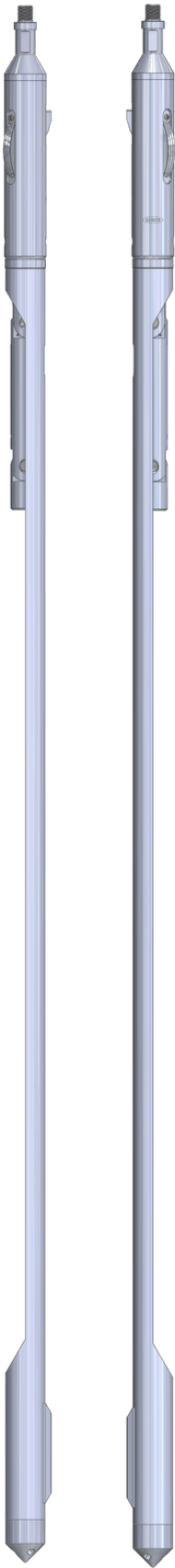
Type 'ROTOM-5' KOT uses a ball detent and detent spring design to ease redress procedure in the field.

Product Code: 191

TECHNICAL DATA		
NOMINAL SIZE	2 1/2"	3 1/2"
ASSEMBLY NUMBER	191200952500	191200953500
ENGINEERING DATA:		
MAXIMUM OD (Centralizing Retracted)	2.250"	2.531"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10
FISHING NECK OD	1.375"	1.375"
LENGTH	93.812"	93.812"
MATERIAL	Alloy	Alloy

ACCESSORY:

SPACER BAR - (1 1/2" x 11 1/4")	5500819	5500819
---------------------------------	---------	---------





SECTION XI: GAS LIFT - KICK OVER TOOLS

Type 'ROTR' Kick-Over Tool (KOT) Assembly: 2" - 2 1/2" and 3 1/2"

Rebco Type 'ROTR' KOT is used to install and retrieve 1 1/2" OD side pocket sub-surface control devices into Side Pocket Mandrels (SPM).

Product Code: 193

TECHNICAL DATA

NOMINAL SIZE	2"	2 1/2"	3 1/2"
ASSEMBLY NUMBER	19313202000	19313202500	19313203000

ENGINEERING DATA:

MAXIMUM OD - Arms Retracted	1.859"	2.281"	2.500"
MAXIMUM OD - Arms Open	3.813"	3.813"	5.688"
PIN THREAD CONNECTION	15/16" – 10	15/16" – 10	15/16" – 10
BOX THREAD CONNECTION	15/16" – 10	15/16" – 10	15/16" – 10
LENGTH	27 1/8"	27 1/8"	30 1/2"
MATERIAL	Alloy	Alloy	Alloy

