



SECTION II: SERVICE TOOLS

Type 'SO' Swabbing Mandrel Assembly: for 2 3/8" – 5 1/2" Tubing

Rebco Type 'SO' Swabbing Mandrel is used to manipulate the well fluid within the tubing in an effort to create upward flow.

CAUTION: **Rebco** Type 'SO' Swabbing Mandrel is intended for light duty swabbing as required by Slickline operations. The Mandrel has no internal mechanism for "dumping" of the fluid in case of excessive weight pulled.

The availability of Assemblies is not limited to the Tubing properties shown below.

Product Code: 168

TECHNICAL DATA				
NOMINAL SIZE		2 3/8"	2 7/8"	3 1/2"
ASSEMBLY NUMBER		16814202000	16814202500	16814203500
ENGINEERING DATA:				
MAXIMUM OD	FOR TUBING ID	1.995"	2.441"	2.995"
	NO-GO *	1.906"	2.343"	2.906"
	FOR TUBING WEIGHT	4.6 - 4.7 lbs/ft.	6.4 - 6.5 lbs/ft.	9.3 lbs/ft.
	BODY	1.75"	1.75"	1.75"
PIN THREAD CONNECTION		15/16" - 10	15/16" - 10	15/16" - 10
FISHING NECK OD		1.375"	1.375"	1.375"
LENGTH		23.3"	23.37"	24.8"
MATERIAL		Alloy	Alloy	Alloy

NO-GO is DriftSize for API Standard Weight Tubing

TECHNICAL DATA			
NOMINAL SIZE		4 1/2"	5 1/2"
ASSEMBLY NUMBER		16814204500	16814205500
ENGINEERING DATA:			
MAXIMUM OD	FOR TUBING ID	4.090"	4.950"
	NO-GO *	3.75"	4.50"
	FOR TUBING WEIGHT	9.5 lbs/ft.	15.5 lbs/ft.
	BODY	3.19"	3.19"
PIN THREAD CONNECTION		1 1/16" - 10	1 1/16" - 10
FISHING NECK OD		2.313"	2.313"
LENGTH		24.78"	24.68"
MATERIAL		Alloy	Alloy

NOTE: See [PRODUCT CODE 168](#) for Selection of Cup Types 4 1/2" - 5 1/2"
Mandrels can be adapted with a Sand Screen

