



SECTION VI: 'BHP' INSTRUMENT HANGERS and ACCESSORIES

Type 'RNH' and 'ROH' Instrument Hanger Assembly: 2 3/8" - 5 1/2"

Rebco Type 'RNH' Instrument Hanger Assembly is used to land and lock geophysical instruments in Type 'ROTRN' Landing Nipples respectively, to allow recording of reservoir data.

Rebco Type 'ROH' Instrument Hanger Assembly is used to land and lock geophysical instruments in Type 'ROTR' Landing Nipples respectively, to allow recording of reservoir data.

The Instrument Hanger Assembly consists of Lock Mandrel Assembly (DET 1), Protector Sleeve (DET 3) and a Hanger Sub (DET 2); offered with Amerada (3/4" - 16) Box connection and/or Sucker Rod (15/16" - 10) Box connection.

Product Code: 33

NOTE: Lock Mandrel does not require Seal Stack or 'O' Ring Seal; instead, a Protector Sleeve is supplied to minimize the damage to the Packing Mandrel.

A list of Assembly Sizes shown are not limited to the availability of other Sizes required, or Materials to suit well conditions. Please specify when ordering.

RUNNING AND PULLING TOOLS REQUIRED:

Select by Nominal Size - Seal Bore Size

Running Tool: Type 'ROTR', Section III, Product Code 41, Page 5, 6, 7

Pulling Tool: Type 'ROTGR', Section IV, Product Code 40, Page 20, 21



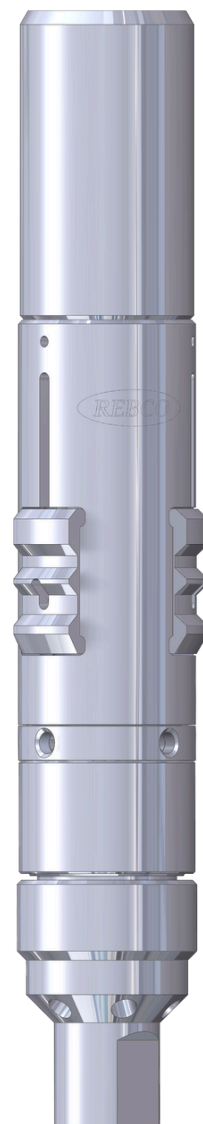
SECTION VI: 'BHP' INSTRUMENT HANGERS and ACCESSORIES

Type 'RNH' Instrument Hanger Assembly

TECHNICAL DATA							
NOM SIZE	SEAL BORE SIZE	ASSEMBLY NUMBER		LOCK MANDREL SUB-ASS'Y	PROTECTOR SLEEVE	HANGER SUB	
		BOX THREAD				BOX THREAD	
		w/3/4" - 16	w/15/16" - 10			3/4" - 16	15/16" - 10
2 3/8"	1.781"	3313100617830	3313100617831	10131017830	33004	33201317830	33201317831
	1.875"	3313100618730	3313100618731	18131018730	33006	33201318730	33201318731
	2.125"	3313100621230	3313100621231	10131021230	33007	33201321230	33201321231
2 7/8"	2.188"	3313100621830	3313100621831	10131021830	33008	33201321830	33201321831
	2.313"	3313100623130	3313100623131	18131023130	330010	33201323130	33201323131
3 1/2"	2.562"	3313100625630	3313100625631	10131025630	330011	33201325630	33201325631
	2.750"	3313100627530	3313100627531	10131027530	330012	33201327530	33201327531
	2.813"	3313100628130	3313100628131	10131028130	330012	33201328130	33201328131
4" 4 1/2"	3.437"	3313100634330	3313100634331	18131034330	330020	33201334330	33201334331
	3.688"	3313100636830	3313100636831	18131036830	330014	33201336830	33201336831
	3.813"	3313100638130	3313100638131	18131038130	330015	33201338130	33201338131
5" 5 1/2"	4.313"	3313100643130	3313100643131	18131043130	330017	33201343130	33201343131
	4.562"	3313100645630	3313100645631	18131045630	330018	33201345630	33201345631

Material - Norm Alloy (NACE MR-01-75, 1980 Rev.)

Parts for Lock Mandrels are available ,see [Section XIV](#)

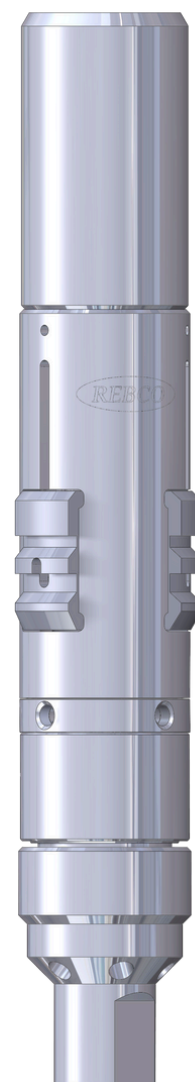




SECTION VI: 'BHP' INSTRUMENT HANGERS and ACCESSORIES

Type 'ROH' Instrument Hanger Assembly

TECHNICAL DATA							
NOM SIZE	SEAL BORE SIZE	ASSEMBLY NUMBER		LOCK MANDREL SUB-ASS'Y	PROTECTOR SLEEVE	HANGER SUB	
		BOX THREAD				BOX THREAD	
		w/3/4" - 16	w/15/16" - 10			3/4" - 16	15/16" - 10
2 3/8"	1.781"	3313200617830	3313200617831	10132017830	33004	33201317830	33201317831
	1.875"	3313200618730	3313200618731	18132018730	33006	33201318730	33201318731
	2.125"	3313200621230	3313200621231	10132021230	33007	33201321230	33201321231
2 7/8"	2.188"	3313200621830	3313200621831	10132021830	33008	33201321830	33201321831
	2.313"	3313200623130	3313200623131	18132023130	330010	33201323130	33201323131
3 1/2"	2.562"	3313200625630	3313200625631	10132025630	330011	33201325630	33201325631
	2.750"	3313200627530	3313200627531	10132027530	330012	33201327530	33201327531
	2.813"	3313200628130	3313200628131	10132028130	330012	33201328130	33201328131
4" 4 1/2"	3.437"	3313200634330	3313200634331	18132034330	330020	33201334330	33201334331
	3.688"	3313200636830	3313200636831	18132036830	330014	33201336830	33201336831
	3.813"	3313200638130	3313200638131	18132038130	330015	33201338130	33201338131
5" 5 1/2"	4.313"	3313200643130	3313200643131	18132043130	330017	33201343130	33201343131
	4.562"	3313200645630	3313200645631	18132045630	330018	33201345630	33201345631



Material - Norm Alloy (NACE MR-01-75, 1980 Rev.)

Parts for Lock Mandrels are available ,see [Section XIV](#)