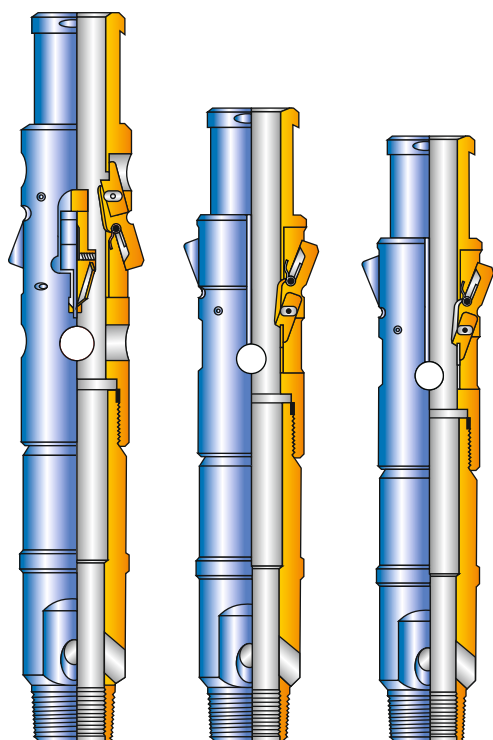


## PARVEEN MODEL 'B' DOWNHOLE INSTRUMENT HANGERS



**Model 'FSB' Model 'FWB' Model 'RZB'**

The PARVEEN Model 'B' Downhole instrument Hangers are available in the following models:

- 'FSB'**  
run in all Model  
'F' Nipples
- 'FWB' -**  
run in Top No-Go Model  
'F' Nipples
- 'RZB'**  
run in Bottom No-Go  
'R' Nipples

These type of hangers are used to hang instruments such as Pressure and Temperature Gauges in a Nipple Profile. Recorders are held securely 'in place when recording data during high production rates. Pressure data is easily correlated between runs, as recorders are always landed at the same depth. The hangers permit simultaneous surveys to be done on several zones at the same time. Standard wireline equipment is used to set and retrieve all three models.

The PARVEEN Model 'B' Downhole Instrument Hangers are manufactured for Standard H<sub>2</sub>S and H<sub>2</sub>S-CO<sub>2</sub> service.

Ordering information :

Please specify nipple model, seal bore size, hanger model. percentage of H<sub>2</sub>S and Co<sub>2</sub>.

PARVEEN 'FSB' INSTRUMENT HANGER SPECIFICATIONS									
Tubing Nipple Accessory Availability			To Run			To Pull			Maximum Tool OD
			'C-1'Running Tool		Running Tool Attachment	Pulling Tool Type		'A' Probe	
Tubing Size	Nipple Size	Instrument Hanger	Running Selective	Locating With NoGo-ring	'A' Shank				
OD in.	Seal Bore in.	'FSB' Size	Size-in.	Size-in.	Size-in.	OTIS	CAMCO	Size-in.	OD in.
1.900	1.437	1.43	1.900	1.468	1.900	40RB14	JUC15174	1.900	1.427
	1.500	1.50		1.520					1.427
2.1/16	1.562	1.56	2.1/16	1.593	2.1/16x4-3/4	40SB6	JDC15154	2.1/16	1.552
	1.625	1.62		1.656					1.552
	1.781	1.78		1.807		1.771			
2.3/8	1.812	1.81	2.3/8	1.843	2-3/8x5	40SB1	JDC15169	2.3/8	1.802
	1.875	1.87		1.906					1.802
	2.062	2.06		2.093					2.052
2.7/8	2.250	2.25	2.7/8	2.281	2-7/8x5-5/16	40SB18	JUC15189	2.7/8	2.240
	2.312	2.31		2.343					2.240
	2.562	2.56		2.593		2.240			
3.1/2	2.750	2.75	3.1/2	2.781	3.1/2x5-5/16	40RB19	JUC15191	3.1/2	2.552
	2.812	2.81		2.843					2.740
	2.750	2.75		2.781		2.740			
4.1/2	3.688	3.68	4.1/2	3.718	4-1/2x7	40RB20	JUC15193	4.1/2	3.678
	3.750	3.75		3.781					3.740
	3.812	3.81		3.835		3.802			



PARVEEN 'FWB' INSTRUMENT HANGER SPECIFICATIONS								
Tubing Nipple Accessory Availability			To Run		To Pull			Maximum Tool OD
Tubing Size	Nipple Size	Instrument Hanger	'C-1' Running Tool	Running Tool Attachments	Pulling Tool Type		'B' Probe	
				'A' Shank Dogs Retracted				
OD in.	Seal Bore in.	'FWB' Size	Size in.	Size in.	OTIS	CAMCO	Size-in.	OD in.
1.900	1.437	1.43	1.900	1.900	40RB14	JUC15174	1.900	1.490
	1.500	-						-
2.1/16	1.562	1.56	2.1/16	2.1/16x5-7/8	40SB6	JDC15154	2.1/16	1.615
	1.625	-						-
2.3/8	1.781	1.78	2.3/8	2.3/8x6-1/8	40RB17	JUC15185	2.3/8	1.865
	1.812	1.81			40SB1	JDC15169		-
	1.875	-			-	-		-
2.7/8	2.062	2.06	2.7/8	2.7/8x6-3/32	40RB18	JUC15189	2.7/8	2.115
	2.250	2.25			40SB2	JDC15171		2.302
	2.312	-			-	-		-
3.1/2	2.562	2.56	3-1/2	3-1/2x6-11/16	40RB19	JUC15191	3.1/2	2.625
	2.750	2.75			40SB9	JDC15181		2.802
	2.812	-			-	-		-
4.1/2	3.688	3.68	4.1/2	4.1/2x6-1/2	40RB20	JUC15193	4.1/2	3.740
	3.750	3.75			40SB10	JDC15183		3.802
	3.812	-			-	-		-

PARVEEN 'RZB' INSTRUMENT HANGER SPECIFICATIONS								
Tubing Nipple Accessory Availability			To Run		To Pull			Maximum Tool OD
Tubing Size	Nipple Size	Instrument Hanger	'C-1' Running Tool	Running Tool Attachments	Pulling Tool Type		'B' Probe	
				'A' Shank Dogs Retracted				
OD in.	Seal Bore in.	'RZB' Size	Size in.	Size in.	OTIS	CAMCO	Size-in.	OD in.
1.900	1.437	1.43	1.900	1.900	40RB14	JUC15174	1.900	1.427
	1.500	1.50						1.490
2.1/16	1.562	1.56	2.1/16	2.1/16x5-7/8	40SB6	JDC15154	2.1/16	1.552
	1.625	1.62						1.615
2.3/8	1.781	1.78	2.3/8	2.3/8x6-1/8	40RB17	JUC15185	2.3/8	1.771
	1.812	1.81			40SB1	JDC15169		1.802
	1.875	1.87			-	-		1.865
2.7/8	2.062	2.06	2.7/8	2.7/8x6-3/32	40RB18	JUC15189	2.7/8	2.052
	2.250	2.25			40SB2	JDC15171		2.240
	2.312	2.31			-	-		2.302
3.1/2	2.562	2.56	3-1/2	3-1/2x6-11/16	40RB19	JUC15191	3.1/2	2.552
	2.750	2.75			40SB9	JDC15181		2.740
	2.812	2.81			-	-		2.802
4.1/2	3.688	3.68	4.1/2	4.1/2x6-1/2	40RB20	JUC15193	4.1/2	3.678
	3.750	3.75			40SB10	JDC15183		3.740
	3.812	3.81			-	-		3.802