



“STP-1”

MODEL “STP-1” TENSION PACKER DESCRIPTION

The “STP-1” Tension Packer is a compact, economical, retrievable packer. Primarily used in waterflood applications, this packer can also be used for production and/or treating operations. It is used where a set-down packer is impractical. Since the “STP-1” is tension set, it is ideally suited for shallow wells where set-down weight is not available.

MODEL STP-1 FEATURES AND BENEFITS

- Utilizes Paintearth rugged rocker type slips.
- Bore through the packer mandrel is larger than drift.
- Simple, low cost packer for fluid injection.
- Three release methods insure retrievability.
- Uses proven one-piece packing element.

MODEL “STP-1L” LARGE-BORE TENSION PACKER DESCRIPTION

The “STP-1L” Tension Packer is a large-bore version of the Model “STP-1”. The packer offers the same features and benefits as the Model “STP-1” and running and retrieving operations are the same.

TO SET PACKER

Run Packer to desired setting depth, making the last movement downward. Rotate the tubing to the left one-quarter turn at the tool. Then, pick up and pack-off the packing element.

TO RETRIEVE PACKER

Lower the tubing at least one foot (0,31m) more than is needed to remove applied tension so that the J-pin will move fully to the top of the J-slot. Rotate the tubing to the right one-quarter turn at the packer so slips will now be in the running position. Packer can be moved to a new position and reset or it can be retrieved.

TO SHEAR RELEASE PACKER

As an alternate release method, the Tension Packer has shear rings designed to part at tensions varying from 13,000 to 100,000 lb (5,89-45,35t). The cone, packing element and guide drop down and are carried out of the hole by the bottom sub.

TO RELEASE IN EMERGENCY

Left-hand square threads on the top sub of the packer allow the tubing to be retrieved when the packer will not otherwise release.

MODEL STP-1 TENSION PACKER

PRODUCT No. 645, 605 (BB)



TENSION PACKER PRODUCTION PACKER SPECIFICATION

CASING				PACKER				
OD	Weight	Preferred Range of Casing I.D.'s		Size	Nom. I.D.	Guide Ring O.D.	Thread Specifications** Box Up/Pin Down	
		Min	Max					in/mm
<i>in/mm</i>	<i>Lb/ft-kg/m</i>	<i>in/mm</i>	<i>in/mm</i>		<i>in/mm</i>	<i>in/mm</i>	<i>in/mm</i>	
4 101,60	9.5 – 11 14,4-16,37	3.548 90,1	3.476 88,3	41A	1.94 49,28	3.25 82,55	2-3/8 OD EU 8 RD 60,33	
4-1/2 114,30	9.5-13.5 14,14-20,09	3.910 99,31	4.160 105,66	43A	1.89 48,01	3.771 95,78		
5 127,00	15-18 22,32-26,78	4.161 105,69	4.408 111,96	43B		4.125 104,78		
	11.5-15 17,11-22,32	4.408 111,96	4.560 115,82	43C	4.250 107,95			
5-1/2 139,70	26 38,69	4.625 117,48	4.778 121,36	45A2	1.97 50,04	4.500 114,30		
	20-23 29,76-34,22			4.778 121,36		4.950 125,73		45A4
	15.5-20 23,06-29,76	4.950 125,73	5.190 131,83	45B		4.781 121,44		
	13-15.5 19,34-23,06							
5-3/4 146,05	22.5 33,48							
5-1/2 139,70	13-17 19,34-25,30	4.876 123,85	5.044 128,12	45Bx2.90 STP-1L	2.90 73,66	4.750 120,65		2-7/8 O.D. EU 8RD 73,02
6-5/8 168,28	24 35,71	5.830 148,08	5.921 150,39	47A2	2.42 61,47	5.656 143,66		3-1/2 O.D. EU 8RD 88,90
	17-20 25,30-29,76	5.922 150,42	6.135 155,83	47A4		5.812 147,62		
7 177,80	38 56,54	5.830 148,08	5.921 150,39	47A2		5.656 143,66		
	32-35 47,62-52,08	5.922 150,42	6.135 155,83	47A4		5.812 147,62		
	26-29 38,69-43,15	6.136 155,85	6.276 159,41	47B2		5.968 151,59		
	20-26 29,76-38,69	6.276 159,41	6.456 163,98	47B4		6.078 154,38		
	17-20 25,30-29,76	6.456 163,98	6.538 166,07	47C2		6.266 159,16		
	33.7-39 50,15-58,03	6.539 166,09	6.765 171,83	47C4		6.453 163,91		
7-5/8 193,68	24-29.7 35,71-44,19	6.766 171,86	7.025 178,44	47D2		6.672 169,47		
	20-24 29,76-35,71	7.025 178,44	7.125 180,98	47D4		6.812 173,02		
	13-17 19,34-25,30	4.876 123,85	5.044 128,12	45Bx2.90 STP-1L		2.90 73,66	4.750 120,65	
8-5/8 219,08	40-49 59,52-72,91	7.511 190,78	7.725 196,22	49A2		3.00 76,20	7.312 185,72	
	32-40 47,62-59,52	7.725 196,22	7.921 201,19	49A4	7.531 191,29			
	20-28 29,76-41,66	7.922 201,22	8.191 208,05	49B	7.781 197,64			
	47-53.5 69,94-79,61	8.300 210,82	8.681 220,50	51A2	8.218 208,74			
9-5/8 244,48	40-47 59,52-69,94	8.681 220,50	8.835 24,41	51A4	4.00 101,60	8.437 214,30	4-1/2 O.D. 8RD LG CSG 114,30	
	29.3-36 43,60-53,57	8.836 224,43	9.063 230,20	51B		8.593 218,26		

NOTE: Casing weights highlighted in **Grey** are available in 7.5k and 10k bores. Weights highlighted in **Green** are available in 7.5K only. Casing weights shaded and in **WHITE** text are currently unavailable.

RETRIEVABLE PRODUCTION PACKERS

