



DLH Packer

The MOT **DLH Packer** is a hydraulic-set single-string retrievable packer and may be used in virtually any production application. Tubing pump pressure is used to set the packer and the setting force is locked into the packer by a body lock ring. A large internal by-pass reduces swabbing when running and retrieving. The by-pass closes when the packer is set, and opens during the releasing process to allow pressure equalization. Shear screws are used to control the packer release. The standard DLH Packers are designed for differential pressures up to 7,500 PSI.

Special Features

- ▶ Adjustable setting initiation pressure
- ▶ Adjustable shear release
- ▶ Straight pull release



DLH Packer Product Specifications

Size (inches)	Casing Weight (lbs/ft)	Recommended Hole Size (inches)	Tool OD (inches)	Tool ID (inches)	Thread Connection Box Up/Pin Down	Part Number
4-1/2	9.5 – 13.5	3.920 - 4.090	3.750	1.94	2-3/8 EUE	93545
	15.1	3.826	3.656	1.94	2-3/8 EUE	93546
5	11.5 – 15	4.408 - 4.560	4.125	1.94	2-3/8 EUE	93550
	18 – 21	4.154 - 4.276	4.000	1.94	2-3/8 EUE	93552
5-1/2	14 – 20	4.778 - 5.012	4.625	2.00	2-3/8 EUE	93555
				2.38	2-7/8 EUE	93556
	20 – 23	4.670 - 4.778	4.500	2.00	2-3/8 EUE	93557
				2.38	2-7/8 EUE	93559
6	17 – 23	5.240 - 5.450	5.063	2.38	2-7/8 EUE	93560
6-5/8	17 - 24	5.921 - 6.135	5.750	2.50	2-7/8 EUE	93567
				3.00	3-1/2 EUE	93568
	24 – 32	5.675 - 5.921	5.500	2.50	2-7/8 EUE	93566
				3.00	3-1/2 EUE	93565
7	17 – 26	6.276 - 6.538	6.000	2.50	2-7/8 EUE	93572
				3.00	3-1/2 EUE	93574
	26 – 32	6.094 - 6.276	5.875	2.50	2-7/8 EUE	93570
				3.00	3-1/2 EUE	93573
	29 – 35	6.004 - 6.184	5.812	3.00	3-1/2 EUE	93573HW
7-5/8	24 – 29.7	6.875 - 7.025	6.672	2.50	2-7/8 EUE	93575
				3.00	3-1/2 EUE	93578
	33.7 – 39	6.625 - 6.765	6.453	2.50	2-7/8 EUE	93576
				3.00	3-1/2 EUE	93577
8-5/8	32 - 40	7.725 - 7.921	7.500	4.00	4-1/2 EUE	93585
9-5/8	32.3 – 43.5	8.755 - 9.001	8.500	4.00	4-1/2 EUE	93596
	43.5 – 53.5	8.535 - 8.755	8.250	4.00	4-1/2 EUE	93595

**Other sizes and connections available upon request*



Hydroset II Packer

The MOT **Hydroset II Packer** is a hydraulic set, mechanically held dual string production packer run above a single string hydraulic set or wireline set seal bore packer. Its short length makes it ideal for deviated wells or doglegs. Because no tubing manipulation is required to set this packer, the well head can be installed and flanged up before setting. It is available with short string or long string setting capabilities and a variety of tubing connections. It is also adaptable for submersible pump applications. The Hydroset II features a sequential upper slip release system designed to release each slip individually reducing the pull required to release the packer. Due to the angles on the upper slips and upper slip cage, slips release smoothly from the casing.

Design Options

- ▶ Several short string options available:
 - Solid Connection (Flat Top)
 - J-Latch (complete with Scoop Head)
 - Snap Latch (complete with Scoop Head)
- ▶ Feed-Through tubes can be added to most designs
- ▶ Cable Pack-off Subs
- ▶ Adjustable Unions
- ▶ Telescoping Unions



Hydroset II Packer Product Specifications

Casing		Recommended Hole Size (inches)	Tool OD (inches)	Long String Connections		Short String Connections		Part Number
Size (inches)	Weight (lbs/ft)			Box Up / Pin Down	Mandrel ID (in)	Box Up / Pin Down	Mandrel ID (in)	
5-1/2	14-20	4.778 - 5.012	4.63	1.900 EUE	1.61	1.660 EUE	1.38	90555-BAA-166E
7	17-26	6.276 - 6.538	6.062	2-3/8 EUE	1.94	2-3/8 EUE	1.94	90572-BAB-BAB
				2-7/8 EUE	2.44	1.900 EUE	1.61	90572-BAC-BAA
	26-32	6.094 - 6.276	5.938	2-3/8 EUE	1.94	2 3/8 EUE	1.94	90570-BAB-BAB
				2-7/8 EUE	2.44	1.900 EUE	1.61	90570-BAC-BAA
				2-3/8 EUE	1.94	2 3/8 EUE	1.94	90571-BAB-BAB
8-5/8	24-32	7.921 - 8.097	7.69	2-7/8 EUE	2.44	2-7/8 EUE	2.44	90585-BAC-BAC
				3-1/2 EUE	2.99	2-3/8 EUE	1.94	90585-BAE-BAB
	36-40	7.725 - 7.825	7.44	2-7/8 EUE	2.44	2-3/8 EUE	1.94	90586-BAC-BAB
9-5/8	32.3-40	8.835 - 9.001	8.615	3-1/2 EUE	2.99	1.900 EUE	1.61	90597-BAE-BAA
						2-3/8 EUE	1.94	90597-BAE-BAB
				3-1/2 EUE	2.99	2-7/8 EUE	2.44	90597-BAE-BAC
						3-1/2 EUE	2.99	90597-BAE-BAE
	36-43.5	8.755 - 8.921	8.500	4-1/2 EUE	3.96	1.900 EUE	1.61	90597-BAG-BAA
						2-3/8 EUE	1.94	90595-BAE-BAB
				3-1/2 EUE	2.99	2-7/8 EUE	2.44	90595-BAE-BAC
						3-1/2 EUE	2.99	90595-BAE-BAE
	47-53.5	8.535 - 8.681	8.312	4-1/2 EUE	3.96	1.900 EUE	1.61	90595-BAG-BAA
						1.900 EUE	1.61	90596-BAE-BAA
				3-1/2 EUE	2.99	2-3/8 EUE	1.94	90596-BAE-BAB
						2-7/8 EUE	2.44	90596-BAE-BAC
						3-1/2 EUE	2.99	90596-BAE-BAE

**Other sizes and connections available upon request*



Hydroset IV

The MOT **Hydroset IV** is a hydraulic set single string retrievable packer. Tubing pump pressure is used to set the packer and the setting force is locked into the packer by a body lock ring. Its design allows for multiple zone completions. It can be run with other hydraulic packers or mechanical set packers.

Special Features

- ▶ Simple operation
- ▶ Compact
- ▶ Field adjustable setting pressure
- ▶ Field adjustable releasing force

Product Specifications

Casing Size (inches)	Weight (lbs/ft)	Recommended Hole Size (inches)	Tool OD (inches)	Tool ID (inches)	Thread Connection		Part Number
					Box Up/Pin Down		
3-1/2	7.7-10.2	2.922 - 3.068	2.781	1.25	1.900 NUE		65435
4	9.5-11	3.476 - 3.548	3.250	1.75	2-3/8 EUE		65440
	12.95	3.340	3.188	1.75	2-3/8 EUE		65441
4-1/2	9.5-13.5	3.920 - 4.090	3.750	2.00	2-3/8 EUE		65445
5-1/2	14-20	4.778 - 5.012	4.625	2.00	2-3/8 EUE		65455
				2.38	2-7/8 EUE		65456
6-5/8	17-24	5.921 - 6.135	5.750	2.50	2-7/8 EUE		65467
				3.00	3-1/2 EUE		65468
	24-32	5.675 - 5.921	5.500	2.50	2-7/8 EUE		65465
				3.00	3-1/2 EUE		65466
7	17-26	6.276 - 6.538	6.000	2.50	2-7/8 EUE		65472
				3.00	3-1/2 EUE		65474
	20-29	6.184 - 6.456	5.938	2.50	2-7/8 EUE		65471
	26-32	6.094 - 6.276	5.875	2.50	2-7/8 EUE		65470
				3.00	3-1/2 EUE		65473
	7-5/8	24-29.7	6.672	2.50	2-7/8 EUE		65475
				3.00	3-1/2 EUE		65478
	33.7-39	6.625 - 6.765	6.453	2.50	2-7/8 EUE		65476
				3.00	3-1/2 EUE		65477

**Other sizes and connections available upon request*

