

NHTS High-Torque Service Packer

The NHTS High-Torque Service Packer is a compression set, designed for high-pressure, high-temperature service work. The packer uses keyed internal connections, allowing transmission of high-torque through the packer facilitating rotation of the drill string in high angle wellbores. The hydraulically operated upper hold-down buttons anchor the packer with differential pressures from below. The NHTS provides extra-long top and bottom subs for hydraulic tong make-up and break out. The packer works in conjunction with NT-3 Unloader for equalization and circulation of treating fluids.

Features

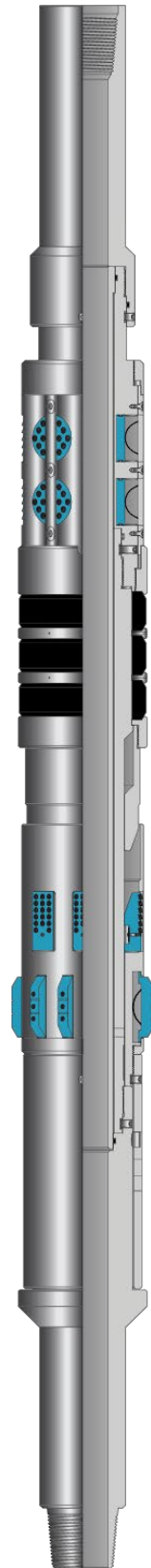
- Hydraulic hold-down for pressure from below
- Heavy-duty mandrel supports high hang-off weight
- Keyed upper and lower connections for high-torque applications
- Quarter turn set, straight pick-up to release
- Tool joint connections standard

Benefits

- Make-up directly to drill pipe without crossovers
- High tailpipe rating for long drill strings
- May be run with NT-3 Unloader for easy equalization

Applications

- Storm packer applications
- High-pressure and high-temperature testing and treating operations



NHTS High-Torque Service Packer

Technical Data – NHTS Packer

CASING				PACKER			
SIZE in. (mm)	WEIGHT lb/kg	Min. in.(mm)	Max in.(mm)	Gauge O.D.	Min. I.D. In.(mm)	Standard Connection	Product Number
4.500 114,30	15.1 - 16.6 22,47 - 24,70	3.754 95,35	3.826 97,18	3.593 91,26	1.750 44,45	2.375" IF	688-46
	11.6 - 13.5 17,26 - 20,09	3.920 99,57	4.000 101,60	3.781 96,04	1.750 44,45	2.375" IF	688-45
5.000 127,00	15.0 - 18.0 22,32 - 26,88	4.276 108,61	4.408 111,96	4.125 104,78	1.750 44,45	2.375" IF	688-51
	11.5 - 15.0 17,11 - 22,32	4.408 111,96	4.560 115,82	4.250 107,95	1.750 44,45	2.375" IF	688-50
5.500 139,70	17.0 - 23.0 25,30 - 34,22	4.670 118,62	4.892 124,26	4.500 114,30	1.750 44,45	2.375" IF	688-55B
	13.0 - 17.0 19,34 - 25,30	4.892 124,26	5.044 128,12	4.641 117,88	1.750 44,45	2.375" IF	688-55
7.000 177,80	38.0 - 46.4 56,54 - 69,04	5.626 142,90	5.920 150,37	5.525 140,35	2.688 68,28	3.500" IF	688-73D
	32.0 - 38.0 47,62 - 56,54	5.920 150,37	6.094 154,79	5.781 146,84	2.688 68,28	3.500" IF	688-73C
	26.0 - 32.0 38,69 - 47,62	6.094 154,79	6.276 159,41	5.954 151,23	2.688 68,28	3.500" IF	688-73B
	17.0 - 23.0 25,30 - 34,22	6.366 161,70	6.538 166,07	6.188 157,18	2.688 68,28	3.500" IF	688-73A
7.625 193,68	33.7 - 39.0 50,15 - 58,03	6.625 168,28	6.765 171,83	6.453 163,91	2.688 68,28	3.500" IF	688-75B
	24.0 - 29.7 35,71 - 44,19	6.875 174,63	7.025 178,44	6.670 169,42	2.688 68,28	3.500" IF	688-75A
9.625 244,48	58.4 - 59.4 86,90 - 88,39	8.407 213,54	8.435 214,25	8.250 209,55	3.750 95,25	4.500" IF	688-94
	43.5 - 53.5 64,73 - 79,61	8.535 216,79	8.755 222,38	8.365 212,47	3.750 95,25	4.500" IF	688-95
	32.3 - 43.5 48,06 - 64,73	8.755 222,38	9.001 228,63	8.584 218,03	3.750 95,25	4.500" IF	688-96
10.750 273,05	71.1 - 73.2 105,80 - 108,92	9.406 238,91	9.450 240,03	9.125 231,78	3.750 95,25	4.500" IF	688-10C
	60.7 - 65.7 90,32 - 97,76	9.560 242,82	9.660 245,36	9.375 238,13	3.750 95,25	4.500" IF	688-10B
	51.0 - 55.5 75,89 - 82,59	9.760 247,90	9.850 250,19	9.500 241,30	3.750 95,25	4.500" IF	688-10A
11.750 298,45	60.0 - 71.0 89,28 - 105,65	10.586 268,88	10.772 273,61	10.406 264,31	3.750 95,25	4.500" IF	688-11B
13.375 339,73	48.0 - 77.0 71,42 - 114,58	12.275 311,79	12.715 322,96	12.000 304,80	3.750 95,25	4.500" IF	688-13

Technical Data - NT-3 Unloader

Size in. (mm)	Max. O.D. In. (mm)	Min. I.D. In. (mm)	Thread Connection	Product Number
2.375 60,33	3.750 95,25	1.750 44,45	2.375" EU 8 RD	527-20
	3.750 95,25	1.750 44,45	2.375" IF	527-21
2.875 73,03	4.188 106,38	2.125 53,98	2.875" EU 8 RD	527-27
3.500 88,90	5.500 139,70	2.688 68,28	3.500" IF	527-35
4.500 114,30	7.250 184,15	3.750 95,25	4.500" IF	527-45