

CMS DSB Permanent Seal Bore Packer

The CMS DSB Permanent Seal Bore Production Packers are versatile high-performance permanent packers designed for high differential pressure and hostile environment applications. The CMS DSB Seal Bore Packers may be set wireline or hydraulically. One-piece slips eliminate premature setting. Element metal back-up rings provide 360° casing contact to prevent rubber extrusion at high temperature and pressure.

Applications include: stimulation jobs where excessively high pressure and/or temperatures are encountered. By installing a Knock-Out, Pump-Out or Screw-Out Plug, the CMS DSB Permanent Packers may be used as a temporary bridge plug to isolate a lower zone. The zone may later be produced by removing the plug with the production string and landing the seals. A left-hand release On-Off Tool with a wireline plug profile may be run above the latch sub of the Seal Assembly. Setting a wireline plug in the profile converts the packer to a bridge plug and allows removal of the tubing string without having to kill the well.

Special precautions need to be taken into consideration when using the CMS Permanent Packers:

- The CMS DSB Permanent Packers contain steel mandrels and therefore must be milled over to remove from the well.
- Any part that is run through an CMS DSB Permanent Packers should be at least 1/16" smaller than the packer bore.
- Recommended running speed no faster than 180 ft./min.
- Slow down when entering a liner.
- After the wireline packer is made up on the setting tool and is ready to run in the well, use caution when picking up the string as not to damage the packer slips.

Features

- Meets NACE standard MR0175
- Elastomer options available for hostile environments
- Material options available for high pressure and/or hostile environments
- Wireline or hydraulic setting options
- One-piece slip eliminates premature setting
- Element back-up system prevents rubber extrusion



CMS Seal Bore Packers

SIZE INCHES <i>mm</i>	WEIGHT LBS/FT <i>kg/m</i>	O.D. INCHES <i>mm</i>	BORE INCHES <i>mm</i>	MIN. BORE THROUGH SEALS INCHES
4.500 114,30	13.5 - 15.1 20,09 - 22,47	3.600 91,44	2.500 63,50	1.910 48,51
	9.5 - 13.5 14,14 - 20,09	3.750 95,25	2.688 68,28	1.938 49,23
5.000 127,00	18.0 - 23.2 26,78 - 34,52	3.968 100,79	2.688 68,28	1.938 49,23
	15.0 - 18.0 22,32 - 26,78	3.968 100,79	2.390 60,71	1.703 43,26
5.500 139,70	17.0 - 23.0 25,30 - 34,22	4.437 112,70	2.688 68,28	1.938 49,23
	13.0 - 17.0 19,34 - 25,30	4.563 115,90	2.688 68,28	1.938 49,23
	17.0 - 23.0 25,30 - 34,22	4.437 112,70	3.000 76,20	2.375 / 2.270 60,33 / 57,66
	13.0 - 17.0 19,34 - 25,30	4.563 115,90	3.000 76,20	2.375 / 2.270 60,33 / 57,66
7.000 177,80	32.0 - 38.0 47,62 - 56,54	5.473 139,01	3.250 82,55	2.406 61,11
	23.0 - 32.0 34,22 - 47,62	5.692 144,58	3.250 82,55	2.406 61,11
	17.0 - 20.0 25,30 - 29,76	6.187 157,15	3.250 82,55	2.406 61,11
	32.0 - 38.0 47,62 - 56,54	5.687 144,45	4.000 101,60	3.000 76,20
	26.0 - 29.0 38,69 - 43,15	5.875 149,23	4.000 101,60	3.000 76,20
	20.0 - 23.0 29,76 - 34,22	6.000 152,40	4.000 101,60	3.000 76,20
7.625 193,68	24.0 - 39.0 35,71 - 58,03	6.255 158,88	3.250 82,55	2.406 61,11
	24.0 - 33.7 35,71 - 50,15	6.500 165,10	4.000 101,60	3.000 76,20
	33.7 - 39.0 50,15 - 58,03	6.250 158,75	4.000 101,60	3.000 76,20
9.625 244,48	29.3 - 58.4 43,60 - 86,90	8.125 206,38	3.250 82,55	2.406 61,11
	29.3 - 58.4 43,60 - 86,90	8.125 206,38	4.000 101,60	3.000 76,20
	29.3 - 58.4 43,60 - 86,90	8.125 206,38	4.750 120,65	3.750 95,25
	29.3 - 58.4 43,60 - 86,90	8.125 206,38	6.000 152,40	4.875 123,82