



PCR Cement Retainer

The MOT **PCR Cement Retainer's** modular, field proven design makes it a versatile tool in a variety of applications. The PCR may be set mechanically or on a wireline setting tool by changing the top slips. The PCR also converts to a PBP bridge plug by replacing the sleeve valve with a solid plug

Applications

- ▶ Cementing
- ▶ Stimulation
- ▶ Well abandonment
- ▶ Temporary or permanent zone isolation

Features

- ▶ Cast Iron drillable design
- ▶ Simple, surface-controlled valve automatically closes when the stinger is removed

- ▶ Converts between mechanical or wireline set by changing top slips
- ▶ Components rotationally locked for easy drill out
- ▶ Converts to PBP Bridge Plug
- ▶ Temperature rating to 400° Fahrenheit
- ▶ Differential pressure rating to 10,000 psi through 8-5/8"
- ▶ Allows pressure-testing before squeeze
- ▶ Valve protects sensitive zones in low-fluid wells
- ▶ Convertibility reduces inventory requirements
- ▶ Fast drill out saves rig time





PCR Cement Retainer

Casing				Tool
OD (in./mm)	Weight (lb/ft- kg/m)	Minimum ID (in./mm)	Maximum OD (in./mm)	Maximum OD (in./mm)
4-1/2 114.30	9.5 - 15.1 14.14 - 22.47	3.826 97.18	4.090 103.89	3.593 96.26
5 127.00	11.5 - 18.0 17.11 - 26.78	4.276 108.61	4.560 115.82	3.937 100.00
5-1/2 139.70	13.0 - 23.0 19.34 - 34.22	4.670 118.62	5.118 129.00	4.312 109.52
5-3/4 146.05	14.0 - 25.2 20.83 - 37.50	4.890 124.21	5.290 134.37	4.700 119.38
6-5/8 168.28	17.0 - 34.5 25.30 - 51.34	5.575 144.61	6.135 155.83	5.375 136.53
7 177.80	17.0 - 35.0 25.30 - 52.08	6.004 152.50	6.538 166.07	5.688 144.48
7-5/8 193.68	20.0 - 39.0 29.76 - 58.03	6.625 168.28	7.125 180.98	6.312 160.32
8-5/8 224.48	24.0 - 49.0 35.71 - 72.90	7.511 190.77	8.097 205.66	7.125 180.98
9-5/8 224.48	29.3 - 61.1 43.60 - 90.92	8.375 212.73	9.063 230.22	8.125 206.38
10-3/4 273.05	32.75 - 60.7 48.73 - 90.32	9.660 245.36	10.192 258.88	9.440 239.78
11-3/4 298.45	60.0 - 83.0 89.28 - 123.50	10.192 258.88	10.772 273.61	9.937 252.40
11-3/4 298.45	38.0 - 60.0 56.54 - 89.28	10.772 273.61	11.150 283.21	10.440 265.18
13-3/8 339.73	48.0 - 72.0 71.42 - 107.14	12.347 313.61	12.715 322.96	12.000 304.80
16 406.40	65.0 - 128.0 96.72 - 190.46	14.438 366.73	15.250 387.35	14.125 358.78
18 457.20	70.58 - 87.5 105.02 - 130.20	17.088 434.04	17.250 438.15	16.650 422.91
18-5/8 473.08	87.5 130.20	17.480 443.99	18.000 457.20	17.125 434.98
20 508.00	94.0 - 133.0 139.87 - 197.90	18.330 475.74	19.124 485.74	18.375 166.72
30 762.00	157.73 - 310.0 234.70 - 461.28	28.000 711.20	29.000 736.60	27.500 698.50

CIW Bridge Plug

The MOT **CIW Bridge Plug** is designed to have excellent running characteristics and secure sets. The plug can be set on different types of wireline pressure setting tools as well as with D&L Hydraulic Setting Tools. The CIW Bridge Plug is designed for rapid drill-out while maintaining sufficient strength during the set. The CIW Bridge Plug is rated to 10,000 PSI up to 300° F. Different elastomers are available for higher temperatures.

Special Features

- ▶ Electric, wireline or hydraulic set
- ▶ Drillable, cast iron construction
- ▶ One piece break apart slips
- ▶ Sets in any grade casing (including P-110)
- ▶ Rubber extrusion resisting backups on elements
- ▶ Sets with common setting sleeves
- ▶ Locking mechanism for ease in drilling multiple plugs



Product Specifications

Size (inches)	Casing		Recommended Hole Size (inches)	Tool OD (inches)	Part Number
	Weight (lbs/ft)				
4-1/2	9.5-15.1		3.826 – 4.090	3.613	85045
5-1/2	13-23		4.670 – 5.044	4.315	85055
7	17-35		6.004 – 6.538	5.680	85070

**Other sizes available upon request*