



## *PCR Cement Retainer*

Weatherford's PCR cement retainer is a field-proven, modular, cast-iron, drillable isolation tool for various applications. Changing the top slips enables the versatile retainer to be set mechanically or on a wireline setting tool. Replacing the sleeve valve with a solid plug converts the retainer to a PBP bridge plug.

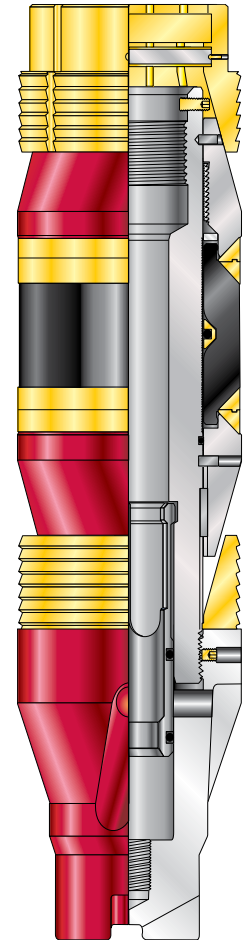
The retainer is rated up to 400°F (204°C) and has a differential pressure rating up to 10,000 psi (68,948 kPa).

### *Applications*

- Cementing
- Stimulation
- Temporary and permanent zonal isolation
- Well abandonment

### *Features, Advantages and Benefits*

- Changing the top slips easily converts the retainer to a mechanical or wireline setting, providing deployment versatility.
- The retainer enables pressure testing before cement squeezing to ensure tubing integrity.
- The modular design eases conversion to a bridge plug, reducing inventory.
- The simple, surface-controlled valve automatically closes when the stinger is removed to maintain the squeeze pressure while excess cement is circulated out.
- The valve isolates hydrostatic pressure to protect sensitive zones in low-fluid-level wells.
- The rotationally locked, cast-iron components enable a fast drillout to save rig time.





# PCR Cement Retainer

## Specifications

Casing				Retainer		
OD (in./mm)	Weight (lb/ft, kg/m)	ID (in./mm)		Maximum OD (in./mm)	JDE Number	
		Minimum	Maximum		Wireline Set	Mechanical Set
4-1/2 114.3	9.50 to 15.10 14.14 to 22.47	3.826 97.18	4.090 103.89	3.593 91.26	43PCR.1002	43PCR.1001
5 127.0	11.50 to 18.00 17.11 to 26.79	4.276 108.61	4.560 115.82	3.937 100.00	44PCR.1002	44PCR.1001
5-1/2 139.7	13.00 to 23.00 19.35 to 34.23	4.670 118.62	5.118 130.00	4.312 109.52	45PCR.1002	45PCR.1001
5-3/4 146.1	14.00 to 25.20 20.83 to 37.50	4.890 124.21	5.290 134.37	4.700 119.38	575CR-WL-80	575CR-MS-80
6-5/8 168.3	17.00 to 34.50 25.30 to 51.34	5.575 141.61	6.135 155.83	5.375 136.53	46PCR.1002	46PCR.1001
7 177.8	17.00 to 35.00 25.30 to 52.09	6.004 152.50	6.538 166.07	5.688 144.48	47PCR.1002	47PCR.1001
7-5/8 193.7	20.00 to 39.00 29.76 to 58.04	6.625 168.28	7.125 180.98	6.312 160.32	48PCR.1002	48PCR.1001
8-5/8 219.1	24.00 to 49.00 35.72 to 72.92	7.511 190.78	8.097 205.66	7.125 180.98	49PCR.1002	49PCR.1001
9-5/8 244.5	29.30 to 61.10 43.60 to 90.93	8.375 212.73	9.063 230.20	8.125 206.38	51PCR.1002	51PCR.1001
10-3/4 273.1	32.75 to 60.70 48.74 to 90.33	9.660 245.36	10.192 258.88	9.440 239.78	53PCR.1002	53PCR.1001
11-3/4 298.5	60.00 to 83.00 89.29 to 123.52	10.192 258.88	10.772 273.61	9.937 252.40	1176CR-WL	1176CR-MS
	38.00 to 60.00 56.55 to 89.29	10.772 273.61	11.150 283.21	10.440 265.18	54PCR.1002	54PCR.1001
13-3/8 339.7	48.00 to 72.00 71.43 to 107.15	12.347 313.61	12.715 322.96	12.000 304.80	55PCR.1002	55PCR.1001
16 406.4	65.00 to 128.00 96.73 to 190.48	14.438 366.73	15.250 387.35	14.125 358.78	57PCR.1002	57PCR.1001
18 457.2	70.58 to 87.50 105.03 to 130.21	17.088 434.04	17.250 438.15	16.650 422.91	1800CR-WL	—
18-5/8 473.1	87.50 130.21	17.480 443.99	18.000 457.20	17.125 434.98	1858CR-WL	—
20 508.0	94.00 to 133.00 139.89 to 197.93	18.330 465.58	19.124 485.75	18.375 466.73	2000CR-WL	—
30 762.0	157.73 to 310.00 234.73 to 461.33	28.000 711.20	29.000 736.60	27.500 698.50	3000CR-WL <sup>1</sup>	—

<sup>1</sup>Set only with Weatherford's HST hydraulic setting tool