SHIELD-PCRW

Model PCRW Wireline Set Sleeve Valve Cement Retainers are used for secondary cementing operations. These drillable retainers set securely in all standard hardness casing. A ratchet lock ring stores the setting force in the retainer. The one piece packing element and metal back up rings combine for a superior seal. The case hardened, one piece slips virtually eliminate premature setting, yet can be easily drilled out. Set with electric line or hydraulic setting tool. They are available for 4-1/2" through 20" casing.

SPECIAL FEATURES

- Sets securely in any hardness casing,
- Ratchet lock rings secure dynamic setting force, Faster, safer run-in
- One piece packing element and rocker action metal back up rings combine for a superior seal
- Can be converted to PCRM Mechanical Set Cement Retainer or Bridge Plug
- Electric line set — Can be set directly with Baker wireline setting tools
- Shear studs are Baker style and connect directly to the Adjuster Sub
- Tests tubing — tubing can be tested before squeezing by picking up to close the valve and applying pressure
- Holds final squeeze pressure — automatic closing of the valve when picking up, or removal of stinger, ensures holding the squeeze under final pressure as cement is circulated out
- Isolates squeeze from hydrostatic pressure — keeping hydrostatic pressure off the zone just squeezed is important, especially for cementing low-fluid-level wells in batch-squeeze operations.

CASING		Setting Range		TOOL OD
OD	Wt	Min ID	Max ID	
4 ½	9.5–15.1	3.826	4.090	3.59
5	11.5–20.8	4.156	4.560	3.93
5 ½	13.0–23.0	4.580	5.044	4.31
5 ¾	14.0–26.0	4.890	5.290	4.70
6 5/8	17.0–32.0	5.595	6.135	5.37
7	17.0–35.0	6.004	6.538	5.68
7 5/8	20.0–39.0	6.625	7.125	6.31
8 5/8	24.0–49.0	7.511	8.097	7.12
9 5/8	29.3–58.4	8.435	9.063	8.12
10 ¾	32.75–60.7	9.660	10.192	9.43
11 ¾	38.0–60.0	10.772	11.150	10.43
11 ¾	60.0–83.0	10.192	10.772	9.94
13 3/8	48.0–80.7	12.175	12.715	11.88
16	65.0–118.0	14.576	15.250	14.12
20	94.0–133.0	18.730	19.124	18.37