



“BDPRR” “BDPRN” PLUG ASSEMBLY

The “**BDPRR**”/“**BDPRN**” **Plug Assemblies** are run and pulled on wireline and are designed to plug the tubing for testing packer leakage, removing wellhead, testing tubing and separation zone during remedial workovers.

The plug assembly consists of a BDRO or BDRN Lock Mandrel, an Equalizing Sub, an Equalizing Valve and an Equalizing Cap.

Selection of BDR Lock Mandrel for type BDPRR Plug Assembly; where X designated regular weight tubing.

Whereas, selection of BDRN Lock Mandrel for type BDPRN Plug Assembly; where XN designated for No-Go nipple on regular weight tubing.

APPLICATIONS

Installation of all downhole flow controls, including one and two run plug, flow subs and pump open plugs

- Routine plugging for completion and workover operations
- Well suspension plug
- Ported nipple and sleeve packoffs
- Suspension of wireline-retrievable injection valves
- Venturi flow meter installation
- Suspension of recording instruments
- Riser maintenance plugs

FEATURES

- Minimal downward jarring is required to set the lock mandrel, making the design particular service at 300°F (148.8°C) with standard seals.
- The lock and running tool are compatible with normal wireline equipment and procedures.
- Rigid outer mandrel maximizes the strength and impact resistance of the lock, ensuring exceptional reliability and recovery.

ADVANTAGES

- Can be supplied to fit any seal bore in third party nipple sizes.
- The standard pressure rating is 10,000psi, however, also available in 15,000psi.
- Large sizes are available with ultra-light weight running tools to ease installation.
- The inner mandrel moves in the direction of flow to lock the keys out. There is no need for a secondary lock down mechanism to prevent flow induced vibration from unseating the lock mandrel. This makes the lock design the leader in safety and reliability in flowing well service.
- The lock mandrel design can be customized to maximise its through bore. This minimizes the well fluids velocity and hence the flowing pressure drop.
- The highly polished inner mandrel minimizes frictional pressure loss, and the tendency for scale adhesion.

Please contact our BDWS Sales representative.

Material available other than 9CR-1MO.



**BDPRR BDPRN
Plug Assembly**





Tubing				Nipple Size (Inch)	BDR / BDRN Lock Mandrel		Equalizing Sub ID		Valve Cap ID (Inch)	BDPR Equalizing Prong			Part Number	
Size (Inch)	Weight (lb/ft)	ID (Inch)	Drift (Inch)		ID (Inch)	Thread Size	ID (Inch)	Thread Size		Fish Neck OD (Inch)	Top Thread (Box)	Nominal Size for SB Running/Pulling Tool	PRR Profile	PRN No-Go Profile
1.660	3.02	1.278	1.184	1.125	Available on Request		0.500	7/8" -20	0.500	0.75	7/8" -20	1.000	PL125PRR	PL125PRN
1.900	3.64	1.500	1.406	1.375	0.62	1-1/8" -16	0.625	1-1/8" -16	0.625	1.00	1-1/8" -16	1.250	PL137PRR	PL137PRN
2.375	5.30	1.939	1.845	1.781	0.88	1-3/8" -14	0.875	1-3/8" -14	0.875	1.375	1-3/8" -14	2.000	PL178PRR	PL178PRN
	5.95	1.867	1.773	1.710	0.75								PL171PRR	PL171PRN
	6.20	1.853	1.759		0.62								PL171PRR	PL171PRN
	7.70	1.703	1.609		1.500								0.62	PL150PRR
2.875	7.90	2.323	2.229	2.188	1.12	1-3/4" -12	1.218	1-3/4" -12	1.218	1.375	1-3/4" -12	2.000	PL218PRR	PL218PRN
	8.70	2.259	2.165	2.125	0.88								PL212PRR	PL212PRN
	8.90	2.243	2.149		0.88								PL212PRR	PL212PRN
	9.50	2.195	2.101	2.000	0.88								PL200PRR	PL200PRN
	10.40	2.151	2.057										PL200PRR	PL200PRN
	11.00	2.065	1.971										PL187PRR	PL187PRN
	11.65	1.995	1.901	1.875	0.88								PL187PRR	PL187PRN
3.500	12.95	2.750	2.625	2.562	1.38	2-1/4" -12SLB	1.625	2-1/4" -12SLB	1.625	1.375	2-1/4" -12SLB	2.000	PL256PRR	PL256PRN
	15.90	2.548	2.423	2.313	1.12								PL231PRR	PL231PRN
	16.70	2.480	2.355		1.12								PL231PRR	PL231PRN
	17.05	2.440	2.315	2.188	1.12								PL218PRR	PL218PRN
4.000	11.60	3.428	3.303	3.250	1.94	2-3/4" -12SLB	2.000	2-3/4" -12SLB	2.000	1.375	2-3/4" -12SLB	2.000	PL325PRR	PL325PRN
	13.40	3.340	3.215	3.125	1.94								PL312PRR	PL312PN
4.500	12.75	3.958	3.833	3.813	2.12	3-1/16" -12SLB	2.500	3-1/16" -12SLB	2.500	1.375	3-1/16" -12SLB	2.000	PL381PRR	PL381PRN
	13.50	3.920	3.795	3.688	2.38								PL368PRR	PL368PRN
	15.50	3.826	3.701										PL368PRR	PL368PRN
	16.90	3.754	3.629	3.437	1.94								PL343PRR	PL343PRN
	19.20	3.640	3.515										PL343PRR	PL343PRN
5.000	15.00	4.408	4.283	4.125	2.75	3-1/16" -12SLB	2.500	3-1/16" -12SLB	2.500	1.750	3-1/16" -12SLB	3.000	PL412PRR	PL412PRN
	18.00	4.276	4.151	4.000	2.38								PL400PRR	PL400PRN
5.500	17.00	4.892	4.767	4.562	2.85	4.00" -12SLB	3.000	4.00" -12SLB	3.000	3.125	4.00" -12SLB	4.000	PL425PRR	PL425PRN
	20.00	4.778	4.653										PL425PRR	PL425PRN
	23.00	4.670	4.545	4.313	2.62								PL431PRR	PL431PRN