



Hydrow II-A Hydraulic-Set, Dual-String Production Packer

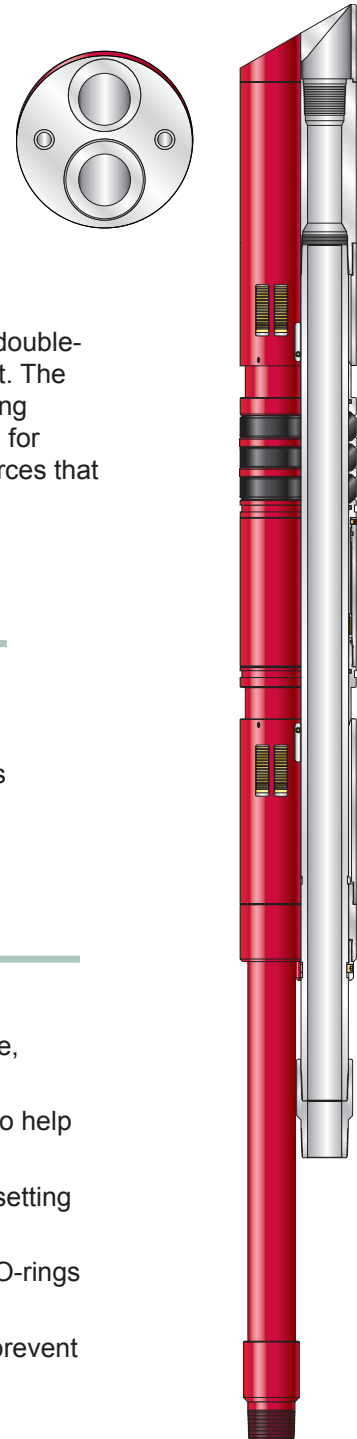
Weatherford's Hydrow II-A hydraulic-set, dual-string production packer is a double-grip, retrievable packer that isolates the annulus from the production conduit. The versatile, cost-effective packer has a patented, sequential upper-slip releasing system. Each slip is easily released individually to reduce the force required for packer release. The angles on the slips, cone, and upper-slip body direct forces that provide smooth slip release from the casing.

Applications

- Deviated and horizontal wells
- High-volume instrumented applications
- Well monitoring, gas venting, chemical injection, and hydraulic-line access
- Multiple-zone isolation

Features, Advantages and Benefits

- The packer can be pressure tested on-site to save rig time.
- The straight-pull, shear-release pins are unaffected by differential pressure, enabling easy changes to the release force before running.
- The compact design eases passage through doglegs and deviated wells to help prevent sticking and improve running efficiency.
- All components are locked to prevent pressure buildup or debris from presetting the packer, improving reliability when running the packer in the wellbore.
- The setting cylinder is below the packing elements, eliminating all critical O-rings after setting.
- The packer has a cone design instead of hydraulic hold-down buttons to prevent a pressure-induced packer release.





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Specifications

Casing				Packer							
OD (in./ mm)	Weight (lb/ft, kg/m)	ID (in./mm)		Gauge Ring OD (in./ mm)	Long String			Short String		String Set	Part
		Minimum	Maximum		ID (in./ mm)	Box-and-Pin Connection	ID (in./ mm)	Box-and-Pin Connection			
5-1/2 139.7	14.0 to 20.0 20.8 to 29.8	4.778 121.36	5.012 127.30	4.625 117.48	1.526 38.76	1.900-in. NU ^a 10 RD ^b 2 3/8-in. EU ^c 8 RD	1.359 34.52	1.969-in. J-latch Wireline re-entry guide	Long	905-55-001	
						1.900-in. NU 10 RD 1.900-in. EU 10 RD		1.969-in. J-latch 1.660-in. EU 10 RD	Short	905-55-002	
7 177.8	17.0 to 29.0 25.3 to 43.2	6.184 157.07	6.538 166.07	6.000 152.40	1.938 49.23	2 3/8-in. EU 8 RD	1.938 49.23	2.688-in. snap latch 2 3/8-in. NU 10 RD	Long	907-72-005 ^d	
				6.005 152.53	1.933 49.10	2 3/8-in., 4.6-lb VAM [®] ACE [®]	1.940 49.28	2.688-in. J-latch 2 3/8-in. VAM ACE		905-72A-LSS-JL	
				6.016 152.81		2 3/8-in. EU 8 RD		2.688-in. snap latch 2 3/8-in. EU 8 RD		905-72A-LSS-SL	
		1.922 48.82	2 3/8-in. NU 10 RD	1.938 49.23	2.688-in. snap latch 2 3/8-in. NU 10 RD	905-70A-LSS-SLC					
		1.933 49.10	2 3/8-in. EU 8 RD		2.688-in. snap latch 2 3/8-in. EU 8 RD	905-70A-LSS-SLNU					
	23.0 to 32.0 34.2 to 47.6	6.094 154.79	6.366 161.70	5.938 150.83		1.938 49.23	2 3/8-in. EU 8 RD		2.688-in. snap latch 2 3/8-in. NU 10 RD	Short	905-70A-SS-SLC
						1.938 49.23	2 3/8-in. NU 10 RD		2.688-in. snap latch 2 3/8-in. NU 10 RD		905-70A-SS-SLNC
						1.922 48.82	2 3/8-in. EU 8 RD	1.933 49.10	2.688-in. J-latch 2 3/8-in. EU 8 RD	905-70A-SSS-JL	
						1.933 49.10	2 3/8-in. EU 8 RD		2.688-in. J-latch 2 3/8-in. EU 8 RD	905-70A-LSS-JL	
	7-5/8 193.7	24.0 to 29.7 35.7 to 44.2	6.875 174.63	7.025 178.44	6.672 169.47	1.969 50.01	2 3/8-in. EU 8 RD	1.938 49.23	2.688-in. snap latch 2 3/8-in. EU 8 RD	Short	905-76A-SS-SLC
1.985 50.42						2 3/8-in. EU 8 RD	1.985 50.42	2.688-in. J-latch 2 3/8-in. EU 8 RD	907-75-JLS		
	33.7 to 39.0 50.2 to 58.0	6.625 168.28	6.785 172.34	6.469 164.31	2.000 50.80	2 3/8-in. EU 8 RD	1.938 49.23	2.688-in. snap latch 2 3/8-in. EU 8 RD	905-75A-SL-SSS		
9-5/8 244.5	36.0 to 47.0 53.6 to 69.9	8.681 220.50	8.921 226.59	8.500 215.90	2.357 59.87	2 7/8-in., 6.4-lb NEW VAM [®]	2.357 59.87	3.250-in. J-latch 2 7/8-in., 6.4-lb NEW VAM	Short	905-96A-001NV	
					2.484 63.09	2 7/8-in. EU 8 RD	2.484 63.09	3.250-in. snap latch 2 7/8-in. EU 8 RD	Long	905-96A-LSS-SL	
					2.500 63.50	2 7/8-in. EU 8 RD	3.750 95.25	3.750-in. J-latch 3 1/2-in. EU 8 RD	Short	907-96-002	
					2.907 73.84	3 1/2-in. EU 8 RD	2.907 73.84	3.250-in. snap latch 3 1/2-in. EU 8 RD	Long	734042	
						3 1/2-in. NU 10 RD	2.906 73.81	3.750-in. snap latch 3 1/2-in. NU 10 RD	Short	905-96A-SSS-NU	
					2.938 74.63	3 1/2-in., 9.2-lb NEW VAM	2.938 74.63	3.750-in. snap latch 3 1/2-in. NU 10 RD		905-96-032	
	47.0 to 53.5 69.9 to 79.6	8.535 216.79	8.681 220.50	8.313 211.15	8.250 209.55	2.930 74.42	3 1/2-in. EU 8 RD	3.000 76.20	3.750-in. J-latch 3 1/2-in. NU 10 RD	Long	822249
					8.313 211.15	3 1/2-in., 9.2-lb NEW VAM	3.000 76.20	3.750-in. snap latch 3 1/2-in., 9.2-lb NEW VAM	905-95A-NVSL-SG		

^aNonupset

^bRound

^cExternal upset

^dHas one round 3/4-in. national pipe thread, box-and-pin string and vent-string connection



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Options

- Multiple bores are available for the deployment of electrical submersible pump cable, chemical-injection lines, control lines, and well-monitoring devices.
- The packer can be easily converted to Weatherford's Hydrow II-AP hydraulic-set, dual-string production packer for submersible pump applications.
- Elastomer and metallurgy options are available for hostile environments.
- Other accessories are available.

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