



DwC™ Internal Casing Drive System

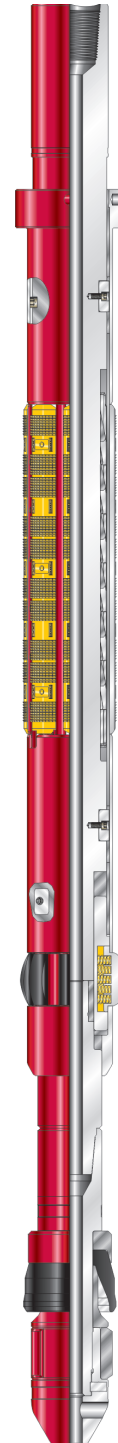
The Weatherford drilling-with-casing (DwC) internal casing drive system reliably drills the hole and runs casing simultaneously. The DwC system can drive a string of casing to depths of 15,000 ft (4,572 m) without the risk of damaging the casing. Ideal for almost any application, the system has a simple design that enables fast rig up and safe, efficient hoisting of longer casing lengths.

Applications

- The DwC system can be used onshore or offshore to drive 9 5/8- to 13 3/8-in. casing to depths of 15,000 ft (4,572 m) and 16- to 24-in. casing to depths of 5,000 ft (1,524 m).
- With simple modifications, the system can convert to a fishing spear.
- The system can replace elevators and casing fill-up tools to enhance conventional tubular running operations.

Features, Advantages, and Benefits

- The straightforward design of the DwC system ensures reliable, trouble-free performance and faster operations. The right-hand, quarter-turn catch and left-hand, quarter-turn release enable rapid connection to reduce rig time.
- A stop collar facilitates proper slip placement inside the casing for an easy, yet secure connection.
- The high-pressure packoff accommodates a wide range of drilling circulation pressures for optimal Defyer™ hydraulics and more efficient operations.
- Bidirectional wickers securely grip the casing for safer handling. The longer slips reduce contact stress on the casing and permit higher torques. This enables the system to lift and ream longer lengths than conventional equipment, which improves the ability to reach total depth.
- With simple modifications, the system can be converted to a fishing spear, reducing the equipment that is required on site.





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Specifications

Casing		Part Number	
OD (in.)	Weight (lb/ft)	Spear Assembly	Packoff Assembly
9-5/8	36.00	743306	743354
	38.00		
	40.00		
	43.50		743355
	47.00		
	53.50		
10-3/4	40.50	715994	743356
	45.50		
	51.00		
13-3/8	48.00	715995	743358
	54.50		
	61.00		
	68.00		
	72.00		
	77.00	1196188	TBD
	80.70		
	85.00		

Casing		Part Number	
OD (in.)	Weight (lb/ft)	Spear Assembly	Packoff Assembly
16	65.00	230043	743360
	70.00		743361
	75.00		743362
	84.00		743363
	94.50		743365
	95.00		
18-5/8	73.09	280468	743371
	78.00		
	87.50		
	94.50		743373
	96.50		743374
	97.70		
	99.00		
	105.00		743376
	109.00		743377
	112.00		
	115.00		743379
	122.00		
	126.00		
	126.00		743380
	133.00		
	138.00		743381

Casing		Part Number	
OD (in.)	Weight (lb/ft)	Spear Assembly	Packoff Assembly
20	94.00	280469	743383
	104.10		743384
	106.50		
	118.50		743385
	133.00		
	141.90		743387
	154.00		
	169.00		
22	142.80	745655	760941
	151.00		TBD
	170.37		1204022
	224.49	789290	1204029
	251.00		1204031
24	156.10	1193080	1193088
	186.40		
	238.35	795225	TBD
	275.00		795221
	304.00		804975

Options

- An optional mud-saver valve prevents drilling mud from draining out of the circulating equipment during connection, which improves safety and working conditions. It also reduces the effects of the operation on the environment.