

Dahl Oilfield Services a.s.
STAVANGER – NORWAY



Technical Information - Spiral Drill Collar Specification

8 1/4" OD x 2 13/16" ID Spiral Drill Collar w/ 6 5/8 REG. 18° Elevator Shoulder and ZIP
209,6mm OD x 71,4mm ID - 6 5/8 REG

Dimensions.	Drill Collar OD	8 1/4"	209,6 mm	
	Drill Collar ID	2 13/16 "	71,4 mm	
	Nominal Weight / Overall Length	146,85 lb/ft 31 ft	218,5kg/m 9,45m	
	Elevator Recess Length	33 1/2"	850 mm	
	Elevator Recess OD	6 5/8"	168,3 mm	
	Slip Recess Length	39 1/2"	1004 mm	
	Slip Recess OD	6 5/8"	168,3 mm	
	Material Grade/Yield	AISI 4145H Mod /110 000 psi		
Mechanical properties to API SPEC 7-1 / NS1				
Connection	Connection Type	6 5/8 REG	6 5/8 REG	
	Connection OD	8 1/4"	209,6mm	
	Connection ID	2 13/16 "	71,4 mm	
	Pin w/API Relief Groove			
	Box w/API Bore Back			
	Tensile Yield*	1 464 597lbf	6 514 853 N	
	Torsional Yield*	78 547 ft.lbf	106 431 Nm	
	Make-up torque*	44 629 ft.lbf	60 472 Nm	
BSR (W/SRF)	2.60			
Body	Tensile Yield*	2 752 992 lbf	12 245 920 N	
	Torsional Yield*	299 132 ft.lbf	405 324 Nm	
Volumes	Fluid Displacement open end	66.519 US Gal/jt	251.8 liter/jt	27.01 liter/m
	Fluid Displacement closed end	78.179 US Gal/jt	295.94 liter/jt	31.74 liter/m
	Fluid Capacity	9.85 US Gal/jt	37.29 liter/jt	4.00 liter/m
	Plastic Coating	N/A		
	Hardbanding	N/A		

* Design Factor = 1.1 (API Standard)

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