

Drill Collar

Material AISI4145HM, Non Mag(DNM110)

Type Slick, Spiral

Sizes and Mechanical Properties

Drill Collar Number	Outside Diameter D inch (mm)	Bore Diameter d inch (mm)	B.S.R Round Number	Tensile Strength			Impact Value	Hardness	
				Length,ft ±6in	Yield Strength	Tensile Strength			Elongation
				ft	(0.25% offset)			Charpy V	Brinell
NC23-31	3 1/8 (79.4)	1 1/4 (31.8)	2.57 : 1	30	min. 110,000 psi (≥758N/mm ²)	min. 140,000 psi (≥965N/mm ²)	min. 13%	min. 59 ft-lbs (≥80J)	285~341
NC26-35 (2-3/8 IF)	3 1/2 (88.9)	1 1/2 (38.1)	2.42 : 1	30					
NC31-41 (2 7/8 IF)	4 1/4 (104.8)	2 (50.8)	2.43 : 1	30 or 31					
NC35-47	4 3/4 (120.7)	2 (50.8)	2.58 : 1	30 or 31					
NC38-50 (3 1/2 IF)	5 (127.0)	2 1/4 (57.2)	2.38 : 1	30 or 31					
NC44-60	6 (152.4)	2 1/4 (57.2)	2.49 : 1	30 or 31					
NC44-60	6 (152.4)	2 13/16 (71.4)	2.84 : 1	30 or 31					
NC44-62	6 1/4 (158.8)	2 1/4 (57.2)	2.91 : 1	30 or 31					
NC46-62 (4 IF)	6 1/4 (158.8)	2 13/16 (71.4)	2.63 : 1	30 or 31					
NC46-65 (4 IF)	6 1/2 (165.1)	2 1/4 (57.2)	2.76 : 1	30 or 31					
NC46-65 (4 IF)	6 1/2 (165.1)	2 13/16 (71.4)	3.05 : 1	30 or 31					
NC46-67 (4 IF)	6 3/4 (171.5)	2 1/4 (57.2)	3.18 : 1	30 or 31					
NC50-67 (4 1/2 IF)	6 3/4 (171.5)	2 13/16 (71.4)	2.37 : 1	30 or 31					
NC50-70 (4 1/2 IF)	7 (177.8)	2 1/4 (57.2)	2.54 : 1	30 or 31	min. 100,000 psi (≥689N/mm ²)	min. 135,000 psi (≥931N/mm ²)	min. 13%	min. 59 ft-lbs (≥80J)	285~341
NC50-70 (4 1/2 IF)	7 (177.8)	2 13/16 (71.4)	2.27 : 1	30 or 31					
NC50-72 (4 1/2 IF)	7 1/4 (184.2)	2 13/16 (71.4)	3.12 : 1	30 or 31					
NC56-77	7 3/4 (196.9)	2 13/16 (71.4)	2.70 : 1	30 or 31					
NC56-80	8 (203.2)	2 13/16 (71.4)	3.02 : 1	30 or 31					
6 5/8 REG	8 1/4 (209.6)	2 13/16 (71.4)	2.93 : 1	30 or 31					
NC61-90	9 (228.6)	2 13/16 (71.4)	3.17 : 1	30 or 31					
7 5/8 REG	9 1/2 (241.3)	3 (76.2)	2.81 : 1	30 or 31					
NC70-97	9 3/4 (247.7)	3 (76.2)	2.57 : 1	30 or 31					
NC70-100	10 (254.0)	3 (76.2)	2.81 : 1	30 or 31					
8 5/8 REG	11 (279.4)	3 (76.2)	2.84 : 1	30 or 31					