

## DRILL COLLARS

**PARVEEN** drill collars, are made from ultrasonically tested bars of Chrome Molybdenum Alloy Steel (AISI 4145H modified material) and available in all sizes and connections as per API std 7 & API-RP 7G in Range 2. Drill collar bars are fully heat treated to 285 to 341 BHN and Charpy impact value of 40 ft. Lb.

### Physical Properties

Drill Collar O.D. Range (inches)	Yield Strength (min) (psi) (n/mm <sup>2</sup> )	Tensile Strength (min) (psi) (n/mm <sup>2</sup> )	Elongation (min) With Gage Length 4 Times Diameter	Brinell Hardness (min.)	Min. Charpy Impact Value Ft Lb.
3.1/8 THRU 6.7/8	110000 /758	140000 /965	13%	285	40
7 THRU 10	100000 /689	135000 /931	13%	277	40

Drill Collars can be furnished in sizes and dimensions given in the table below.

Drill Collar Number	Outside Dia D"	Bore +1 /16" -0 d"	Length +6" L'	Bevel Dia +1 /64" D"f	Reference Bending Strength Ratio
NC 23-31	3.1/8	1.1/4	30	3	2.57:1
NC 26-35 (2.3/8 IF)	3.1/2	1.1/2	30	3.17/64	2.42:1
NC 31-41 (2.7/8 IF)	4.1/8	2	30 or 31	3.61/64	2.43:1
NC 35-47	4.3/4	2	30 or 31	4.33/64	2.58:1
NC 38-50 (3.1/2 IF)	5	2.1/4	30 or 31	4.49/64	2.38:1
NC 44-60	6	2.1/4	30 or 31	5.11/16	2.49:1
NC 44-60	6	2.13/16	30 or 31	5.11/16	2.84:1
NC 44-62	6.1/4	2.1/4	30 or 31	5.7/8	2.91:1
NC 46-62 (4 IF)	6.1/4	2.13/16	30 or 31	5.29/32	2.63:1
NC 46-65 (4 IF)	6.1/2	2.1/4	30 or 31	6.3/32	2.76:1
NC 46-65 (4 IF)	6.1/2	2.13/16	30 or 31	6.3/32	3.05:1
NC 46-67 (4 IF)	6.3/4	2.1/4	30 or 31	6.9/32	3.18:1
NC 50-70 (4.1/2 IF)	7	2.1/4	30 or 31	6.31/64	2.54:1
NC 50-70 (4.1/2 IF)	7	2.13/16	30 or 31	6.31/64	2.73:1
NC 50-72 (4.1/2 IF)	7.1/4	2.13/16	30 or 31	6.43/64	3.12:1
NC 56-77	7.3/4	2.13/16	30 or 31	7.19/64	2.70:1
NC 56-80	8	2.13/16	30 or 31	7.31/64	3.02:1
6.5/8 REG.	8.1/4	2.13/16	30 or 31	7.45/64	2.93:1
NC 61-90	9	2.13/16	30 or 31	8.3/8	3.17:1
7.5/8 REG.	9.1/2	3	30 or 31	8.13/16	2.81:1
NC 70-97	9.3/4	3	30 or 31	9.5/32	2.57:1
NC 70-100	10	3	30 or 31	9.11/32	2.81:1
8.5/8 REG.	11	3	30 or 31	10.1/2	2.84:1

