

Drilling Collar

A drill collar is an equipment for weighting the drill bit used in the drilling of oil wells, enabling it to drill through rock. It is a bar made of solid steel, either plain carbon steel or a non-magnetic steel alloy, drilled lengthwise to permit the passage of drilling fluids. A drill collar forms the lowest element of a drill string, which contains all the elements of a down-hole process from the surface to the rock bit. This equipment are typically 31 feet (about 9.45 m) long and threaded at both ends, male at one end and female at the other, to allow multiple drill collars to be joined above the bit assembly. The number of drill collars attached to a [drilling string](#) will base on the material composition of the strata at the drill site and the likely depth of the well.

General Features



ZT series Drilling Collar are used for push the drilling bits during drilling operation. Suitable for onshore or offshore drilling operations.

Details

The ZT series drilling collars were developed to provide the market with more reliable technology and more hoisting performance. Manufactured strictly according to API Spec7-1 standard with material of AISI 4145 Mod. Multiple choices, such as slick [drilling collar](#), spiral drill collars, non-magnetic drill collars and other types. Included but not limited by the advantages mentioned, ZT series drilling collars might be your best choice.

General Features

- Manufactured according to API 7-1
- Suitable for onshore or offshore rigs
- Suitable for cold area and desert environment

Main aramaters

Size: 3-1/8" – 11" (79.4 mm – 279.4 mm)

Parameters:

Model	D		d		L (mm)	DF (mm)	Bending Strength ratio	Drill Collar
	mm	in	mm	in				Nominal size
ZT 3-1/8	79.4	3-1/8	31.8	1-1/2	9,150	76.2	2.57:1	NC23-31
ZT 3-1/2	88.9	3-1/2	38.1	1-1/2	9,150	82.9	2.42:1	NC26-35 (2-3/8IF)
ZT 4-1/8	104.8	4-1/8	50.8	2	9,150	100.4	2.43:1	NC31-41 (2-7/8IF)
ZT 4-3/4	120.7	4-3/4	50.8	2	9,150	114.7	2.58:1	NC35-47
ZT 5	127	5	57.2	2-1/4	9,150	121	2.38:1	NC38-50 (3-1/2IF)
ZT 6A	152.4	6	57.2	2-1/4	9,150/9,450	144.5	2.49:1	NC44-60
ZT 6B	152.4	6	71.4	2-13/16	9,150/9450	144.5	2.84:1	NC44-60
ZT 6-1/4A	158.8	6-1/4	57.2	2-1/4	9,150/9,450	149.2	2.91:1	NC44-62
ZT 6-1/4B	158.8	6-1/4	71.4	2-13/16	9,150/9,450	150	2.63:1	NC46-62 (4IF)
ZT 6-1/2A	165.1	6-1/2	57.2	2-1/4	9,150/9,450	154.8	2.76:1	NC46-65 (4IF)
ZT 6-1/2B	165.1	6-1/2	71.4	2-13/16	9,150/9,450	154.8	3.05:1	NC46-65 (4IF)
ZT 6-3/4A	171.4	6-3/4	57.2	2-1/4	9,150/9,450	159.5	3.18:1	NC46-67 (4IF)
ZT 6-3/4B	171.4	6-3/4	71.4	2-13/16	9,150/9,450	159.5	2.37:1	NC50-67 (4-1/2IF)
ZT 7A	177.8	7	57.2	2-1/4	9,150/9,450	164.7	2.54:1	NC50-70 (4-1/2IF)
ZT 7B	177.8	7	71.4	2-13/16	9,150/9,450	164.7	2.73:1	NC50-70 (4-1/2IF)
ZT 7-1/4	184.2	7-1/4	71.4	2-13/16	9,150/9,450	169.5	3.12:1	NC50-72 (4-1/2IF)
ZT 7-3/4	196.8	7-3/4	71.4	2-13/16	9,150/9,450	185.3	2.70:1	NC56-77
ZT 8	203.2	8	71.4	2-13/16	9,150/9,450	190.1	3.02:1	NC56-80
ZT 8-1/4	209.6	8-1/4	71.4	2-13/16	9,150/9,450	195.7	2.93:1	6-5/8REG
ZT 9	228.6	9	71.4	2-13/16	9,150/9,450	212.7	3.17:1	NC61-90
ZT 9-1/2	241.3	9-1/2	76.2	3	9,150/9,450	223.8	2.81:1	7-5/8REG
ZT 9-3/4	247.6	9-3/4	76.2	3	9,150/9,450	232.6	2.57:1	NC70-97
ZT 10	254	10	76.2	3	9,150/9,450	237.3	2.81:1	NC70-100
ZT 11	279.4	11	76.2	3	9,150/9,450	266.7	2.84:1	8-5/8 REG