ASP

AMERICAN STEEL PRODUCTS, LLC.

Oil & Gas

DRILL COLLAR

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MAGNETIC DRILL COLLAR

- Slick and Spiral Drill Collars according to API Spec 7-1
- NS1 and DS1 properties
- 4145H Material. Hot Rolled
- Stress Reflief Groove SRG on PIN
- Bore Back on Box
- Connections Phospatized
- Cold Roll on Threads to improve fatigue resistance
- Thread Protectors
- Pony Drill Collar available

NON MAGNETIC DRILL COLLAR

- Drill Collars are made from high purity austenitic stainless steel.
- Advanced chemical composition control system and special forging process guarantee the excellent mechanical properties, corrosion resistant performance and high fatigue resistance of our Non Magnetic material.
- Shoot Peening on Connections.

DRILL COLLAR SIZES

ITEM	OD (in)	ID (in)	LG (ft)	CONNECTION PREFFERED	CONNECTION (OTHER)	RECOMMENDED MAKE-UP TORQUE ft - lbs	TORSIONAL STRENGTH ft - lbs	BENDING STRENGTH RATIO (BSR)	WEIGHT SLICK (kg)	WEIGHT SPIRAL (kg)
1	3 1/8	1 1/4	31	NC 23		3,300	5,860	2.57:1	306	NA
2	3 1/2	1 1/2	31	NC 26	2 3/8 IF	4,600	8,100	2.42:1	372	NA
3	4 1/8	2	31	NC 31	2 7/8 IF	6,900	12,100	2.44:1	485	458
4	4 3/4	2	31	NC 35		10,800	19,100	2.58:1	689	653
5	4 3/4	2	31	NC 38	3 1/2 IF	9,990	17,600	1.80:1	689	653
6	4 3/4	2 1/4	31	NC 38	3 1/2 IF	9,990	17,600	1.92:1	649	617
7	4 3/4	2 1/4	31	NC 35		9,200	16,200	2.82:1	649	617
8	4 3/4	2 1/2	31	NC 38	3 1/2 IF	9,990	17,600	2.10:1	608	572
9	5	2	31	NC 38	3 1/2 IF	12,900	22,700	2.24:1	752	790
10	5	2 1/4	31	NC 38	3 1/2 IF	12,900	22,700	2.38:1	739	703
11	5 1/4	2 1/4	31	NC 38	3 1/2 IF	12,900	22,700	2.88:1	835	789
12	5 3/4	2 1/4	31	NC 46	4 IF	17,700	31,200	1.68:1	1,039	993
13	5 3/4	2 1/4	31	NC 40	4 FH	17,000	30,000	3.04:1	1,039	993
14	6	2 1/4	31	NC 46	4 IF	23,400	41,200	2.02:1	1,148	1,093
15	6	2 13/16	31	NC 46	4 IF	22,400	39,500	2.24:1	1,043	984
16	6 1/4	2 1/4	31	NC 46	4 IF	28,000	49,300	2.38:1	1,261	1,202
17	6 1/4	2 13/16	31	NC 46	4 IF	22,400	39,500	2.64:1	1,157	1,098
18	6 1/4	2 13/16	31	NC 50	4 1/2 IF	23,000	40,500	1.71:1	1,157	1,098
19	6 1/2	2 1/4	31	NC 46	4 IF	28,000	49,300	2.77:1	1,379	1,311
20	6 1/2	2 1/4	31	NC 50	4 1/2 IF	29,700	52,200	1.89:1	1,379	1,311
21	6 1/2	2 13/16	31	NC 46	4 IF	22,400	39,500	3.07:1	1,275	1,207
22	6 1/2	2 13/16	31	NC 50	4 1/2 IF	29,700	52,200	2.03:1	1,275	1,207
23	6 3/4	2 1/4	31	NC 50	4 1/2 IF	36,700	64,700	2.21:1	1,501	1,433
24	6 3/4	2 1/2	31	NC 50	4 1/2 IF	35,800	63,000	2.26:1	1,456	1,388
25	6 3/4	2 1/2	31	NC 46	4 IF	35,800	63,000	2.26:1	1,356	1,430
26	6 3/4	2 3/4	31	NC 50	4 1/2 IF	32,300	56,800	2.37:1	1,397	1,324
27	6 3/4	2 13/16	31	NC 50	4 1/2 IF	32,300	56,800	2.37:1	1,397	1,324
28	7	2 1/4	31	NC 50	4 1/2 IF	38,400	61,400	2.54:1	1,628	1,538
29	7	2 1/2	31	NC 50	4 1/2 IF	35,800	57,300	2.61:1	1,588	1,492
30	7	2 13/16	31	NC 50	4 1/2 IF	32,300	51,600	2.73:1	1,524	1,429
31	7	2 13/16	31	5 1/2 FH		32,800	52,400	1.72:1	1,524	1,429
32	7 1/4	2 13/16	31	NC 50	4 1/2 IF	32,300	47,300	3.12:1	1,710	1,593
33	7 1/4	3	31	5 1/2 FH		41,000	49,600	2.05:1	1,665	1,551
34	7 3/4	2 13/16	31	6 5/8 REG		53,300	79,000	2.30:1	1,998	1,860
35	7 3/4	3	31	6 5/8 REG		50,700	78,500	2.35:1	1,955	1,778
36	8	2 13/16	31	6 5/8 REG		53,300	85,400	2.60:1	2,077	1,964
37	8	3	31	6 5/8 REG		50,700	81,100	2.66:1	2,037	1,923
38	8 1/4	2 13/16	31	6 5/8 REG		53,300	85,400	2.93:1	2,227	2,100
39	8 1/4	3	31	6 5/8 REG		50,700	81,100	2.99:1	2,186	2,059
40	8 1/2	2 1/4	31	6 5/8 REG		50,700	81,100	3.14:1	2,391	2,530
41	8 1/2	2 13/16	31	6 5/8 REG		53,300	85,400	3.27:1	2,381	2,250
42	8 1/2	3	31	6 5/8 REG		50,700	81,100	3.34:1	2,341	2,209
43	8 1/2	3 1/4	31	6 5/8 REG		46,900	75,100	3.46:1	2,286	2,155
44	9	2 13/16	31	7 5/8 REG		84,400	135,000	2.28:1	2,703	2,463
45	9	2 13/16	31	6 5/8 FH		84,000	134,000	2.41:1	2,708	2,468
46	9	3	31	7 5/8 REG		84,400	135,000	2.31:1	2,667	2,422
47	9	3	31	6 5/8 FH		81,100	130,000	2.44:1	2,667	2,422
48	9	3 1/2	31	6 5/8 FH		72,100	115,000	2.56:1	2,545	2,304
49	9 1/2	2 13/16	31	7 5/8 REG		91,600	147,000	2.78:1	3,048	2,799
50	9 1/2	3	31	7 5/8 REG		88,600	142,000	2.81:1	3,007	2,758
51	9 1/2	3 1/16	31	7 5/8 REG		87,500	140,000	2.83:1	2,994	2,744
52	9 3/4	3	31	7 5/8 REG		91,800	147,000	3.10:1	3,184	2,935
53	10	3	31	8 5/8 REG		109,000	175,000	1.98:1	3,366	3,084
54	11	3	31	8 5/8 REG		131,000	209,000	2.84:1	4,166	3,815