

DRILL COLLARS

a. DRILL COLLAR GROOVE FOR ELEVATOR AND SLIP (AS PER API-7G)

It is possible to add elevator and slip recess to ACT Drill Collar. These recesses allow one to dispense with lift subs and safety clamps and to attain savings in operating time. Recommended Slip & Elevator recess dimensions are given below:

DRILL COLLAR SLIP AND ELEVATOR DIMENSIONS

O.D. Ranges	A	R	C	B	D
4 ~ 4.5/8	7/32	1/8	4°	3/16	3.1/2°
4.3/4 ~ 5.5/8	1/4	1/8	5°	3/16	3.1/2°
5.3/4 ~ 6.5/8	5/16	1/8	6°	1/4	5°
6.3/4 ~ 8.5/8	3/8	3/16	7.1/2°	1/4	5°
8.3/4 & Larger	7/16	1/4	9°	1/4	5°

A- ELEVATOR GROOVE

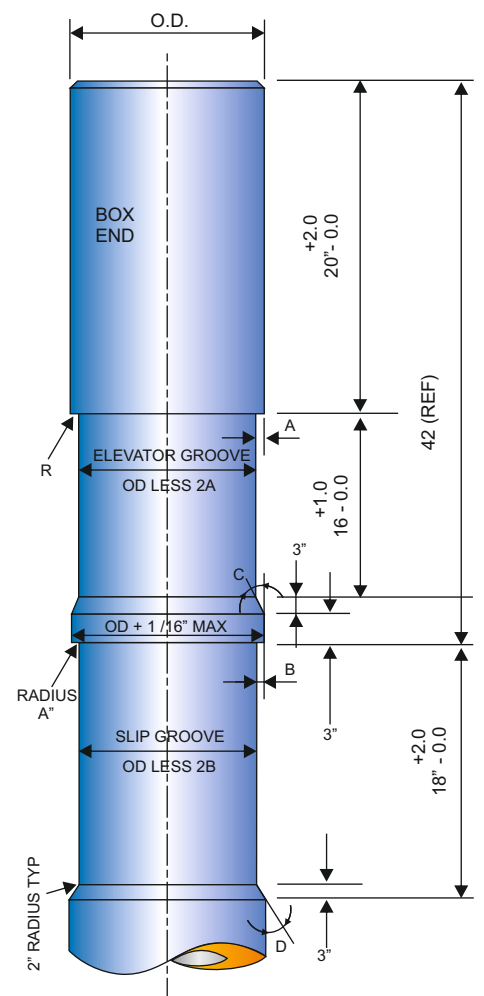
B- SLIP GROOVE

b. SPIRAL DRILL COLLARS

Minimize the potential for differential sticking with ACT's Spiral Drill Collars. They reduce the amount of contact between the drill collar and the wall of hole.

DRILL COLLAR SPIRAL DIMENSIONS

O.D. Ranges	Depth Of Cut	Spirals	Pitch / Direction Rh
4.1/2 ~ 5.1/8	7 /32 ^{+1/32} ₋	3	38 ⁺¹ ₋
5.1/4 ~ 5.3/4	1 /4 ^{+1/32} ₋	3	42 ⁺¹ ₋
5.7/8 ~ 6.3/8	9 /32 ^{+1/16} ₋	3	42 ⁺¹ ₋
6.1/2 ~ 6.7/8	5 /16 ^{+1/16} ₋	3	46 ⁺¹ ₋
7	5 /16 ^{+1/16} ₋	3	64 ⁺¹ ₋
7.1/8 ~ 7.7/8	11 /32 ^{+1/16} ₋	3	64 ⁺¹ ₋
8 ~ 8.7/8	3 /8 ^{+1/16} ₋	3	68 ⁺¹ ₋
9 ~ 9.7/8	13 /32 ^{+3/32} ₋	3	72 ⁺¹ ₋
10 ~ 10.7/8	7 /16 ^{+3/32} ₋	3	76 ⁺¹ ₋
11 ~ 12	15 /32 ^{+3/32} ₋	3	80 ⁺¹ ₋



* All dimensions are in inches U.O.S.