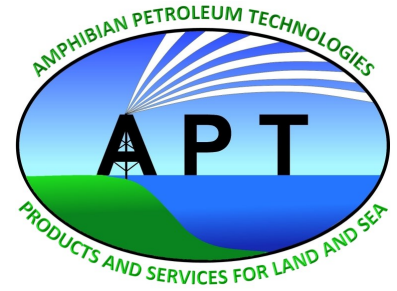


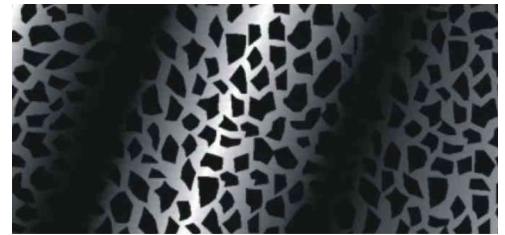
Stabilizer



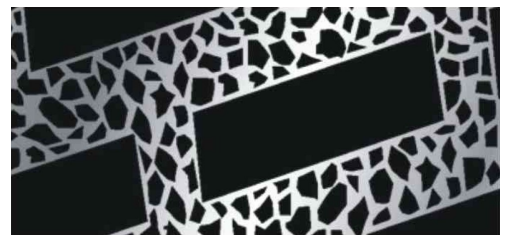
APT supplies a complete line of stabilizers which vary in design and function. We supply spiral, straight, integral, welded, non-magnetic stainless steel types to meet your specific application.

APT stabilizers are made to increase R.O.P. and reduce drilling costs per foot.

FG 1 hard surfacing is crushed tungsten carbide held in a nickel bronze matrix. The .110" - .120" particle size ensures a greater concentration of carbide which is ideal for drilling in soft formations.



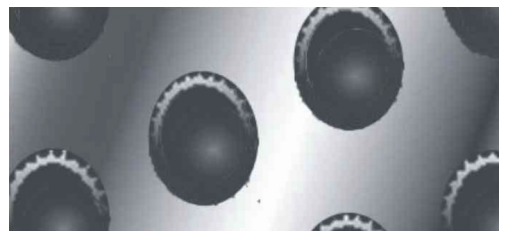
FG 2 hard surfacing is crushed tungsten carbide held in a nickel bronze matrix that binds trapezoidal tungsten carbide brick inserts. This is ideal for highly deviated wells and abrasive formations.

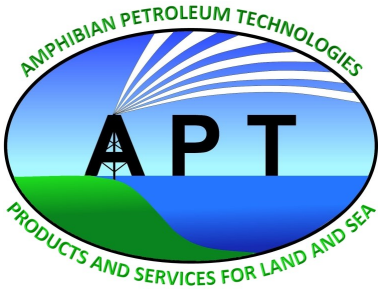


FG 3 hard surfacing is tungsten carbide brick inserts set in a powder spray. This means a 97% bonding performance for retaining the spray. This is recommended for use with non-magnetic stabilizers.



FG 4 hard surfacing is tungsten carbide, button inserts pressed into pre-drilled pockets. The concentration of buttons can be modified for different drilling requirements.





Stabilizer

Common Sizes

Hole Size		ID Bore		Total Length		Fishing Neck OD		Fishing Neck Length		Crown Length		Blade Width	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
4 1/8	104.8	1 1/2	38.1	65	1651.0	3 1/8	79.4	24	609.6	12	304.8	1 1/2	38.1
4 1/4	108.0	1 1/2	38.1	65	1651.0	3 1/2	88.9	24	609.6	12	304.8	1 1/2	38.1
4 1/2	114.3	1 1/2	38.1	65	1651.0	3 1/2	88.9	24	609.6	12	304.8	1 1/2	38.1
4 5/8	117.5	1 1/2	38.1	65	1651.0	3 1/2	88.9	28	711.2	12	304.8	1 1/2	38.1
4 3/4	120.7	1 1/2	38.1	65	1651.0	3 1/2	88.9	28	711.2	12	304.8	1 1/2	38.1
5 5/8	142.9	1 1/2	38.1	78	1981.2	4 1/8	104.8	30	762.0	14	355.6	2	50.8
5 7/8	149.2	1 1/2	38.1	78	1981.2	4 1/8	104.8	30	762.0	14	355.6	2	50.8
6	152.4	1 1/2	38.1	78	1981.2	4 1/8	104.8	30	762.0	14	355.6	2	50.8
6 1/8	155.6	2 1/4	57.2	78	1981.2	4 3/4	120.7	30	762.0	14	355.6	2	50.8
6 1/4	158.8	2 1/4	57.2	78	1981.2	4 3/4	120.7	30	762.0	14	355.6	2	50.8
6 1/2	165.1	2 1/4	57.2	78	1981.2	4 3/4	120.7	30	762.0	14	355.6	2	50.8
6 5/8	168.3	2 1/4	57.2	78	1981.2	4 3/4	120.7	30	762.0	14	355.6	2	50.8
6 3/4	171.5	2 1/4	57.2	78	1981.2	4 3/4	120.7	30	762.0	14	355.6	2	50.8
7 3/8	187.3	2 13/16	71.4	85	2159.0	6 1/4	158.8	32	812.8	16	406.4	2	50.8
7 5/8	193.7	2 13/16	71.4	85	2159.0	6 1/4	158.8	32	812.8	16	406.4	2	50.8
7 7/8	200.0	2 13/16	71.4	85	2159.0	6 1/4	158.8	32	812.8	16	406.4	2	50.8
8 3/8	212.7	2 13/16	71.4	85	2159.0	6 1/4	158.8	32	812.8	16	406.4	2	50.8
8 1/2	215.9	2 13/16	71.4	85	2159.0	6 1/4	158.8	32	812.8	16	406.4	2	50.8
8 5/8	219.1	2 13/16	71.4	85	2159.0	6 3/4	171.5	32	812.8	16	406.4	2	50.8
8 3/4	222.3	2 13/16	71.4	85	2159.0	6 3/4	171.5	32	812.8	16	406.4	2	50.8
9	228.6	2 13/16	71.4	85	2159.0	6 3/4	171.5	28	711.2	16	406.4	2	50.8
9 1/2	241.3	2 13/16	71.4	85	2159.0	7 1/4	184.2	28	711.2	16	406.4	2	50.8
9 5/8	244.5	2 13/16	71.4	85	2159.0	7 1/4	184.2	28	711.2	16	406.4	2	50.8
9 7/8	250.8	2 13/16	71.4	85	2159.0	7 3/4	196.9	28	711.2	16	406.4	2	50.8
10 5/8	269.9	2 13/16	71.4	85	2159.0	8	203.2	30	762.0	16	406.4	2	50.8
11	279.4	2 13/16	71.4	85	2159.0	8	203.2	30	762.0	16	406.4	2	50.8
12	304.8	2 13/16	71.4	85	2159.0	8	203.2	30	762.0	16	406.4	2	50.8
12 1/4	311.2	2 13/16	71.4	85	2159.0	8	203.2	30	762.0	16	406.4	2	50.8
13 1/2	342.9	2 13/16	71.4	85	2159.0	10	254.0	30	762.0	16	406.4	2	50.8
14 3/4	374.7	2 13/16	71.4	85	2159.0	10	254.0	30	762.0	16	406.4	2	50.8
16 1/2	419.1	2 13/16	71.4	85	2159.0	10	254.0	30	762.0	16	406.4	2	50.8
17 1/2	444.5	2 13/16	71.4	95	2413.0	10	254.0	33	838.2	16	406.4	2	50.8
18 1/8	460.4	3	76.2	95	2413.0	10	254.0	33	838.2	16	406.4	2	50.8
20	508.0	3	76.2	95	2413.0	10	254.0	33	838.2	16	406.4	2	50.8
22	558.8	3	76.2	95	2413.0	10	254.0	33	838.2	16	406.4	2	50.8
24	609.6	3	76.2	95	2413.0	10	254.0	33	838.2	18	457.2	2	50.8
26	660.4	3	76.2	95	2413.0	10	254.0	33	838.2	18	457.2	2	50.8