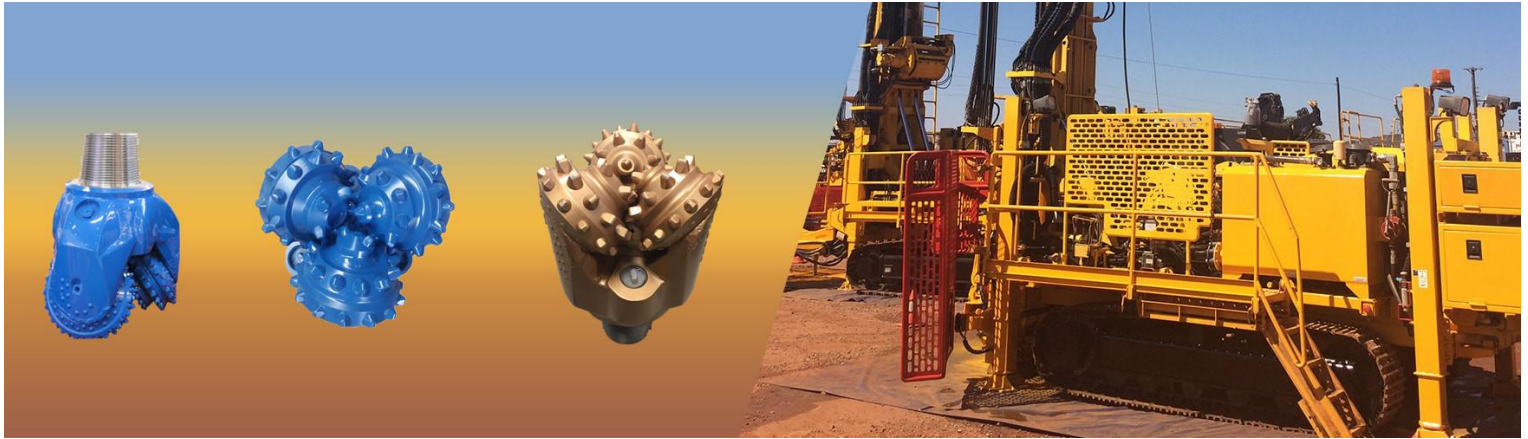


*TRUST STEM FROM QUALITY*



## TRICONE ROCK BITS



Guizhou Vilong Equipment Co.,Ltd



Diameter/Inch	Bits type (IADC CODE)	Thread
4 3/4	114,115,231,241,435,437,445,517,537,637...	2 7/8 API REG Pin
4 7/8	114,115,231,241,435,437,445,517,537,637...	2 7/8 API REG Pin
5 1/2	114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
5 5/8	1114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
5 2/3	1114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
5 3/4	1114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
5 7/8	114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
6	117, 121, 127, 321,217,427,437,517,537,547...	3 1/2 API REG Pin
6 1/8	117, 121, 127, 321,217,427,437,517,537,547...	3 1/2 API REG Pin
6 1/4	114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
6 1/2	117, 121, 127, 321,217,427,437,517,537,547...	3 1/2 API REG Pin
6 5/8	117, 121, 127, 321,217,427,437,517,537,547...	3 1/2 API REG Pin
6 3/4	114,115,231,241,435,437,445,517,537,637...	3 1/2 API REG Pin
7 1/2	114,115,231,241,435,437,445,517,537,637...	4 1/2 API REG Pin
7 5/8	114,115,231,241,435,437,445,517,537,637...	4 1/2 API REG Pin
7 7/8	111,121,131,211,241,311,437,447,517,537...	4 1/2 API REG Pin
8 3/8	114,115,231,241,435,437,445,517,537,637...	4 1/2 API REG Pin
8 1/2	114,115,231,241,435,437,445,517,537,637...	4 1/2 API REG Pin
8 5/8	114,115,231,241,435,437,445,517,537,637...	4 1/2 API REG Pin
8 3/4	114,115,231,241,435,437,445,517,537,637...	4 1/2 API REG Pin
9 1/2	114,115,231,241,435,437,445,517,537,637...	6 5/8 API REG Pin
9 5/8	114,115,231,241,435,437,445,517,537,637...	6 5/8 API REG Pin
9 7/8	111,121,124,127,134,517,537,547,637,737...	6 5/8 API REG Pin
10 1/2	114,115,231,241,435,437,445,517,537,637...	6 5/8 API REG Pin

10 5/8	117,126,127,137,216,437,517,537,637,737...	6 5/8 API REG Pin
11	114,115,231,241,435,437,445,517,537,637...	6 5/8 API REG Pin
11 5/8	114,115,125,135,124,214,517,537,617,627...	6 5/8 API REG Pin
12	115,125,135,435,445,517,537,547,637,747...	6 5/8 API REG Pin
12 1/4	114, 124,126,127,131,214,225,435,517,537...	6 5/8 API REG Pin
13 1/2	114,115,231,241,435,437,445,517,537,637...	6 5/8 API REG Pin
13 5/8	114,115,124,125,134,214,437,517,537,747...	6 5/8 API REG Pin
13 3/4	114,115,124,125,134,214,437,517,537,647...	6 5/8 API REG Pin
14 1/2	114,115,231,241,435,437,445,517,537,637...	7 5/8 API REG Pin
14 3/4	114,115,231,241,435,437,445,517,537,637...	7 5/8 API REG Pin
15 1/2	114,115,231,241,435,437,445,517,537,637...	7 5/8 API REG Pin
16	114, 117, 121,124, 131,134, 127, 517,537...	7 5/8 API REG Pin
17 1/2	117,127124,135,215,235,435,515,535,537...	7 5/8 API REG Pin

## IADC CODE IDENTIFICATION:

**I . First Digit:** 1, 2, and 3 designate STEEL TOOTH BITS with 1 for soft, 2 for medium and 3 for hard formations. 4, 5, 6, 7 and 8 designate TUNGSTEN CARBIDE INSERT BITS for varying formation hardness with 4 being the softest and 8 the hardest.

**II .Second Digit:** 1, 2, 3 and 4 are further breakdown of formation with 1 being the softest and 4 the hardest.

**III.Third Digit:** This digit will classify the bit according to bearing/seal type and special gauge wear protection as follows:

1. Standard open bearing roller bit
2. Standard open bearing roller bit, air-cooled
3. Standard open bearing roller bit with gauge protection which is defined as carbide inserts in the heel of the cone
4. Sealed roller bearing bit
5. Sealed roller bearing bit with gauge protection
6. Journal sealed bearing bit
7. Journal sealed bearing bit with gauge protection

## — . Recommended Parameter Reference:

IADC code	WOP (KN/mm)	Rotary speed (r/min)	Applicable Formation
126, 127	0.35-1.00	70-150	Soft with low compressive strength and high drillability, such as shale, clay, salt bed and soft limestone etc.
437	0.35-0.95	60-140	Very soft with low compressive strength and high drillability, such as shale, clay, sand stone etc.
517	0.35-1.05	50-120	Soft with low compressive strength and high drillability, such as shale, mudstone, sand stone, soft limestone etc.

527	0.35-1.05	50-120	Soft with low compressive strength, such as shale, clay, sand stone, soft limestone, salt bed etc.
537	0.5-1.05	40-110	Medium soft with low compressive strength and harder abrasive stringers, such as mudstone, sand stone etc.

## 二.Recommended Torque Reference:

Bits Size / (Inch)	Torque / (N.m)
3 1/2~4 1/2	4100~4700
4 5/8~5	6100~7500
5 1/8~6 3/4	9500~12200
7 1/2~8 3/4	16300~21700
9 1/2~13 3/4	38000~43400
14 1/2~26	46100~54200