SDS
SOLID DRILLING SOLUTIONS
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IADC

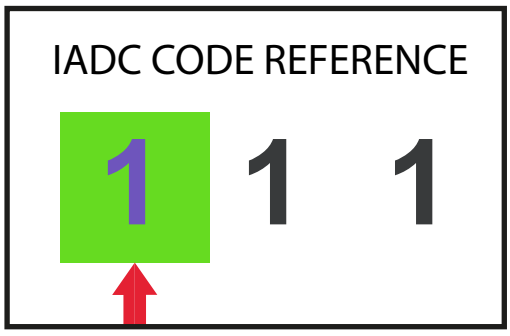
IADC code is short for “International Association of Drilling Contractors”.

The IADC Code for Tricone Bits defines its bearing design and other design features (SHIRT TAIL, LEG, SECTION, CUTTER).

IADC Codes make it easier for drillers to describe what kind of rock bit they are looking for to the supplier.

The most common IADC code used in HDD is such as 127, 517, 637 etc. Let us check what does it stands for.

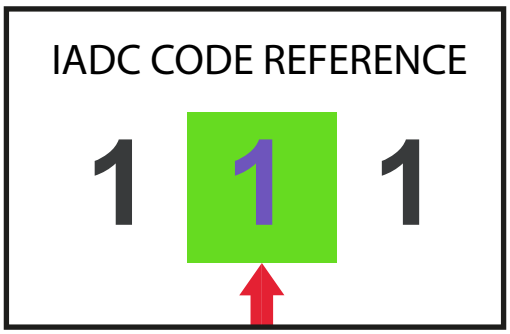
FIRST DIGIT



1, 2, and 3 designate Steel Tooth Bits with 1 for soft, 2 for medium and 3 for hard formations.

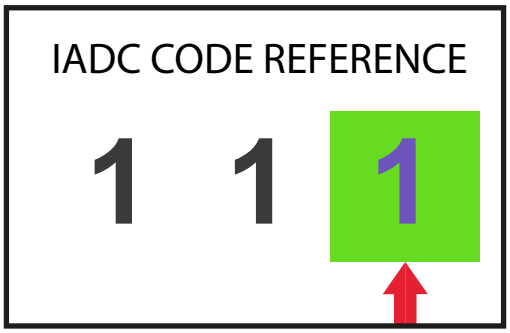
4, 5, 6, 7, and 8 designate tungsten Carbide Insert Bits for varying formation hardness with 4 being the softest and 8 the hardest.

SECOND DIGIT



1, 2, 3, and 4 help further breakdown the formation with 1 being the softest and 4 the hardest. IADC 126 Steel Tooth Tricone Bit

THIRD DIGIT



This digit will classify the bit according to bearing/seal type – see information on different bearing types – and special guage wear protection as follows:

1 - tandard 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