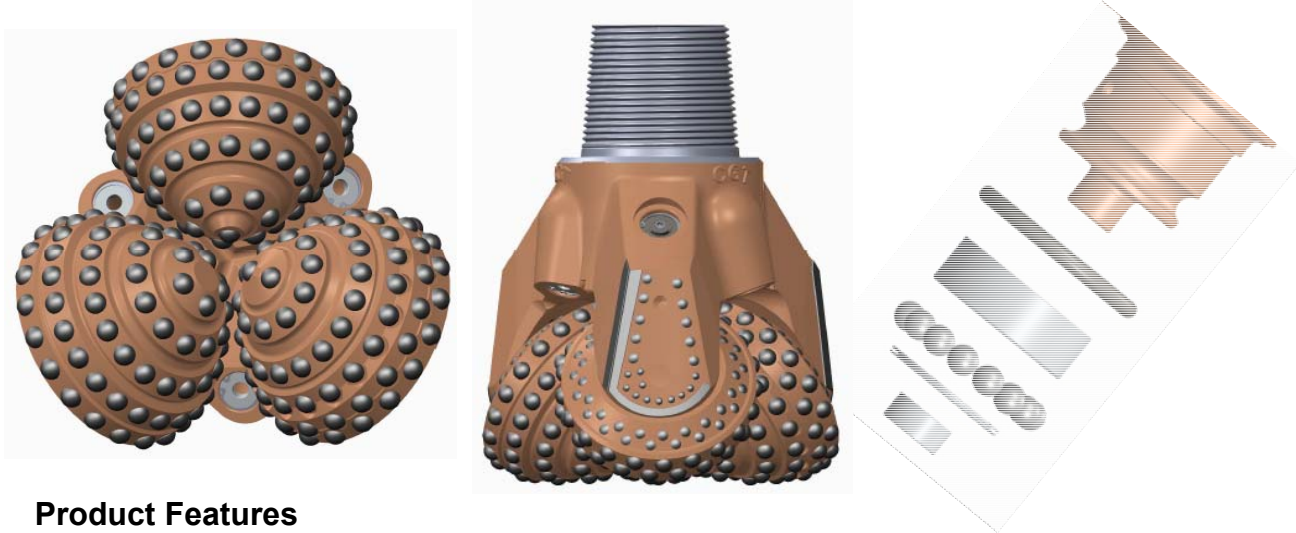


## Product specification



### Product Features

- Spherical on gage & inner rows.
- Full shirttail protection for very hard formations.
- Double row gauge protection with spherical inserts.
- High count insert for hard formation and inner aggressive shape of inserts to improve the ROP.

### Product Specifications

Size / Type	13 3/4"	Cutting structure	TC
IADC	8-3-7	Rows	03 - Gage / 14 – Inner
Pin Connection	6 5/8 API Regular	Insert count	61 - Gage /190 – Inner
Bearing	Sealed Journal	Gage inserts	Spherical
Circulation type	Jet	Inner inserts	Spherical
Product weight	115 kg	Shirttail protection	Full h/f ,TC inserts
Nozzle	3 x Side jet	Shirttail insert	Spherical

### Operating parameters

Weight on Bit : 82,500 - 1,23,500 lbs  
 Rotary Speed (RPM) : 40 - 80  
 Rock UCS : Between 50,000 to 65,000 PSI

*Operating parameters are typical ranges and may vary depending on ground conditions*

Rev:00

Date: 15/07/2014

Approved By : kv