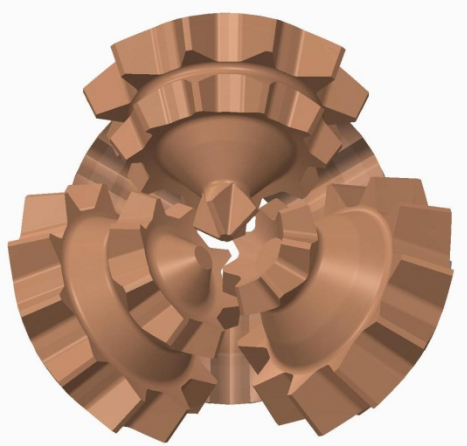


# 4 1/2" (2-3-1) (W5333)

## Product specification



### Product Features

- Conventional gage teeth
- Steel tooth standard open bearing bit for soft to medium abrasive formation

### Product Specifications

Size / Type	4 1/2"	Cutting structure	ST
IADC	2-3-1	Rows	3- Gage / 4 – inner
Pin Connection	2 3/8" API Regular	Teeth count	33– Gage / 29- Inner
Bearing	Ball Roller Friction	Teeth Type	Straight
Circulation type	Centre Flush	Gage Protection	Hard facing
Product weight	5.5kg	Shirttail protection	2/3 <sup>rd</sup> Hard facing
Nozzle	-NA-	Shirttail insert	---

### Operating parameters

- Weight on Bit : 13,500 - 22,500 lbs.  
 Rotary Speed (RPM) : 60 –100 RPM  
 Rock UCS : Between 5,000 to 12,500 PSI

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