Hejian ZhongCheng Drill Bit Manufacturing Co., Ltd.

12 1/4" Tricone Bit 637

Thread: 6 5/8'API REG PIN WOB (KN/MM): 0.50~1.05

RPM(R/MIN): 70-40

Application Formations: Medium hard with high Compressive strength and high abrasiveness, such as limestone, dolomite, sandstone and chert, etc.

weight (kg) 100kg volume 350mm*380mm*650mm



Cutting Structure

The wear-resistance of teeth is enhanced with premium tungsten carbide hardfacing on the tooth surfaces for steel tooth bit. The durability of premium tungsten carbide inserts is improved with new formulas and new techniques for insert bit.

Gauge Structure

Multiple gauge protection with gauge trimmers on the heel and gauge inserts on the gauge surface of the cone, tungsten carbide inserts and hardfacing on the shirttail increases gauge holding capability and bearing life.

Bearing Structure

High precision roller bearing with two thrust faces. Balls lock the cone. Thrust faces hardfaced with wear resistant alloy. Abrasion resistance and seizure resistance of the bearing are improved.

Seal and Lubrication

Premium HNBR O-ring, optimal seal compression and curved seal structure can enhance the seal performance. The pressure compensator system and advanced grease can greatly increase the lubricating reliability.

Product Application

It is suitable for various formations, and achieves high RPM under low to medium WOB applications.

