

Information Sheet

SEAL BEARING ROLLER CONE CUTTERS

FEATURES:

- Cutters are sealed bearing with pressure compensator actuator to ensure cutter bearings are continually lubricated and hard faced for longer life and extended wear. Specifically designed for RHO.
- Available in Mill tooth, Interrupted tooth, and TCI configurations.



Mill tooth



Interrupted Mill Tooth



TCI

Mill tooth

- Standard cutter for hole opener.
- Designed for soft to med-hard formations, 2,500 to 17,500 kpsi.

Interrupted Mill Tooth

- Designed for soft to med-formations, 2,500 to 17,500 kpsi.
- Most suitable for formations with tendencies to “stick” or cause “balling up”
- Interrupted tooth configuration allows formations to continue rotation around cutter and be carried to surface rather versus the tendency to stay in standard mill tooth.

Tungsten Carbide Insert (TCI)

- Designed for hard to extremely hard formations, 20,000 to 35,000+.
- Designed in sets of 3 with staggered button patterns for cutters to properly “track” each other and cut a proper hole.
- Available with 3-4 different insert types depending on formation compression.
 - Chisel: Formations 7,500—17,000 psi
 - Conical: Most common, formations 15,000—25,000 psi
 - Dome: Formations 22,500—35,000+ psi

Insert Types:



Chisel Inserts
R8-*-05



Conical Inserts
R8-*-06



Dome Inserts
R8-*-07

