

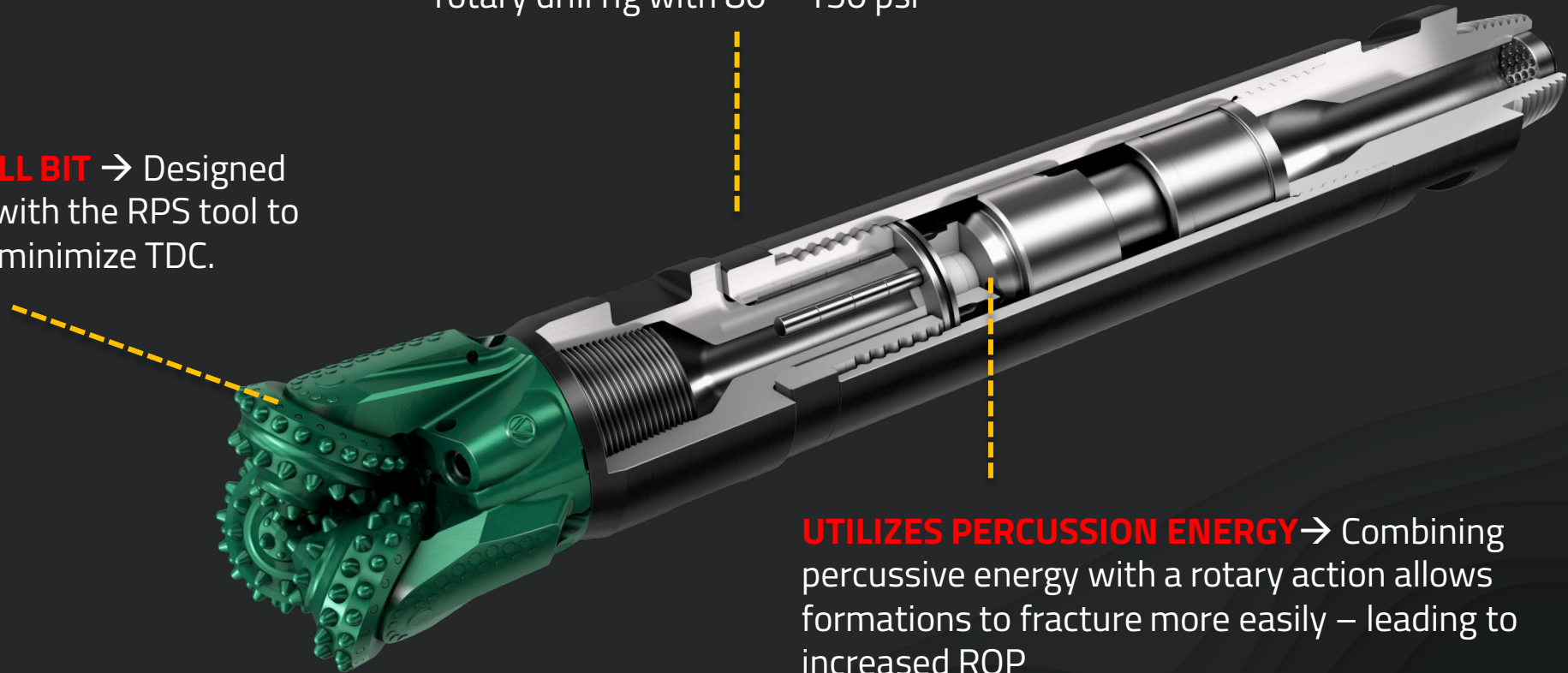
# ROTARY PERCUSSION SYSTEM

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**PLUG & PLAY** → Fits on existing Rotary drills effectively. Will operate efficiently on any air rotary drill rig with 80 – 150 psi

**OPTIMIZED RP DRILL BIT** → Designed specifically for use with the RPS tool to maximize ROP and minimize TDC.



**UTILIZES PERCUSSION ENERGY** → Combining percussive energy with a rotary action allows formations to fracture more easily – leading to increased ROP

# RPS- OFFERING



Model	RPS62	RPS75	RPS85	RPS92	RPS106
<b>Topsup Pin options</b>	4-1/2" BECO	5-1/4" BECO	6" BECO	6" BECO	8" BECO
<b>Mandrel Box options</b>	4-1/2" API	6-5/8" API	6-5/8" API	6-5/8" API	6-5/8" API
<b>Bit Sizes</b>	7-7/8" to 8-1/2"	9-7/8"	10-5/8" to 11"	10-5/8" to 12-1/4"	12-1/4" to 13-3/4"
<b>Operating Range</b>	85 – 135 PSI	85 – 135 PSI	85 – 135 PSI	85 – 135 PSI	85 – 135 PSI
<b>Recommended Air</b>	1200 CFM	1900 CFM	2600 CFM	2600 CFM	2600 CFM

# ARC OF SUITABILITY

**AIR**

AIR TEST COMPLETED

**ROCK HARDNESS**

< 25 m/Hr / < 75 ft/Hr

**COMMITMENT**

HIGHLY ENGAGED PARTNERS

# RPS - BENEFITS



- Combines synergies of both rotary and percussion drilling
- Increases rate of penetration (ROP) from **10 – 40%**
- Reduces Total Drilling Cost (TDC)
- Produces **straighter holes** thus less re-drills
- Better rock fragmentation
- Operates exactly as standard rotary
- Improved hole collaring
- Improved mechanical availability and fleet utilization
- Produces larger cuttings





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