

DESIGN SPECIFICATION

Type:	Tri-cone
Bearing Type:	Air Circulation
Configuration:	Roller-Ball-Roller
Cutting Structure:	TCI
Gage Rows:	Conical
Inner Rows:	Bullet
Nose Rows:	Bullet
Bevel Rows:	Round
Head Type:	Full Armor
Hardfacing:	Standard
Armor:	Round (TCI)
Head Feature:	Fluid Dynamic Profile
Bit Connection:	6 5/8" Reg. API
Circulation Type:	Jet Nozzle
Bit Weight:	229 lbs / 104 kg

GENERAL OPERATING PARAMETERS

Rotary Speed:	50 – 100 rpm
Weight on Bit:	50,000 – 110,000 lbs

DRILLING APPLICATION

PDB Tools Inc. provides advanced technical products and solutions for the mining, exploration, construction, water well, oil and gas industries. The **12 1/4" GX642** blasthole bits are designed for drilling medium to hard formations, with rock compressive strength ranging from 25,000 to 50,000 psi. Formation drilled may consist of hard shale, limestone, quartzite, slate, and basalt. Designed with the latest technology and manufacturing, PDB Tools rock bits are the next evolution.

Innovation, Performance and Value

