



# 9" (229mm) GX642

Assembly: 970033

IADC: 6-4-2

## DESIGN SPECIFICATION

<b>Type:</b>	Tri-cone
<b>Bearing Type:</b>	Air Circulation
<b>Configuration:</b>	Roller-Ball-Roller
<b>Cutting Structure:</b>	TCI
<b>Gage Rows:</b>	Bullet
<b>Inner Rows:</b>	Bullet
<b>Nose Rows:</b>	Bullet
<b>Bevel Rows:</b>	Round
<b>Head Type:</b>	Full Armor
<b>Hardfacing:</b>	Standard
<b>Armor:</b>	Round (TCI)
<b>Head Feature:</b>	Fluid Dynamic Profile
<b>Bit Connection:</b>	4 1/2" Reg. API
<b>Circulation Type:</b>	Jet Nozzle
<b>Bit Weight:</b>	95 lbs / 43 kg

## GENERAL OPERATING PARAMETERS

<b>Rotary Speed:</b>	50 – 100 rpm
<b>Weight on Bit:</b>	27,000 – 55,000 lbs

## DRILLING APPLICATION

PDB Tools Inc. provides advanced technical products and solutions for the mining, exploration, construction, water well, oil and gas industries. The **9" 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*

