

## DESIGN SPECIFICATION

<b>Type:</b>	Tri-cone
<b>Bearing Type:</b>	O-ring Sealed
<b>Configuration:</b>	Roller-Ball-Roller
<b>Cutting Structure:</b>	TCI
<b>Gage Rows:</b>	Conical
<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>	6 5/8" Reg. API
<b>Circulation Type:</b>	Jet Nozzle
<b>Bit Weight:</b>	187 lbs / 85 kg

## GENERAL OPERATING PARAMETERS

<b>Rotary Speed:</b>	40 – 90 rpm
<b>Weight on Bit:</b>	50,000 – 95,000 lbs

## DRILLING APPLICATION

PDB Tools Inc. provides advanced technical products and solutions for the mining, exploration, construction, water well, oil and gas industries. The **11" PT735** pilot bits are designed for drilling hard to very hard formations, with rock compressive strengths greater than 35,000 psi. Formations drilled may consist of very hard quartzite, diorite, basalt, and lava.

PDB Tools Pilot Bits are designed for high penetration rates and extended bit life in tough drilling conditions.

Designed with the latest technology and manufactured using enhanced CNC machining techniques.

*Innovation, Performance and Value*

