

## 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>         | Round Top             |
| <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>        | 229 lbs / 104 kg      |

## GENERAL OPERATING PARAMETERS

|                       |                      |
|-----------------------|----------------------|
| <b>Rotary Speed:</b>  | 50 – 90 rpm          |
| <b>Weight on Bit:</b> | 70,000 – 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" GX722** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 35,000 to 58,000 psi. Formation drilled may consist of banded iron, taconite, quartzite, dolomite, and hard basalt. Designed with the latest technology and manufacturing, PDB Tools rock bits are the next evolution.

*Innovation, Performance and Value*

