

DESIGN SPECIFICATION

| | |
|---------------------------|-----------------------|
| Type: | Tri-cone |
| Bearing Type: | Air Circulation |
| Configuration: | Roller-Ball-Roller |
| Cutting Structure: | TCI |
| Gage Rows: | Conical |
| Inner Rows: | Bullet |
| Nose Rows: | Special Chesil |
| 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: | 174 lbs / 79 kg |

GENERAL OPERATING PARAMETERS

| | |
|-----------------------|---------------------|
| Rotary Speed: | 50 – 100 rpm |
| Weight on Bit: | 30,000 – 85,000 lbs |

DRILLING APPLICATION

PDB Tools Inc. provides advanced technical products and solutions for the mining, exploration, construction, water well, oil and gas industries. The **10 5/8" ST722** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 35,000 to 60,000 psi. Designed for drilling in abrasive formation, with bit failure caused by excessive cone coring. Carbide hard facing on nose of cones will reduce cone coring. Formation drilled may consist of hard shale, hard limestone, quartzite, slate, taconite, and basalt. Designed with the latest technology and manufacturing, PDB Tools rock bits are the next evolution.

Innovation, Performance and Value

