

## 6 3/4 (171mm) DX632

IADC : 6-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>3 1/2" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Bullit</b>                | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>44 lbs / 20 kg</b>          |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 90 rpm  
Weight on Bit: 25,000 – 55,000 lbs.

JBT Rock Tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **6 3/4" DX632** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 25,000 to 60,000 psi. Formation drilled may consist of hard shale, hard limestone, quartzite, slate, taconite and basalt. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 7 7/8" (200mm) DX532

IADC : 5-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>4 1/2" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Conical</b>               | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>73 lbs / 33 kg</b>          |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 40 – 70 rpm  
Weight on Bit: 10,000 – 50,000 lbs.

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **7 7/8" DX532** blasthole bits are designed for drilling soft to medium formations, with rock compressive strength ranging from 10,000 to 25,000 psi. Formation drilled may consist of shale, soft limestone, mudstone, soft slate, gypsum and sandstone. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 7 7/8 (200mm) DX632

IADC : 6-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>4 1/2" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Bullit</b>                | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>73 lbs / 33 kg</b>          |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 90 rpm  
Weight on Bit: 25,000 – 60,000 lbs.

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **7 7/8" DX632** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 35,000 to 60,000 psi. Formation drilled may consist of hard shale, hard limestone, quartzite, slate, and basalt. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 9 7/8" (251mm) DX532

IADC : 5-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Wedge</b>                  | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Conical</b>               | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>146 lbs / 66 kg</b>         |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 110 rpm  
Weight on Bit: 30,000 – 65,000 lbs.

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **9 7/8" DX532** blasthole bits are designed for drilling soft to medium hard formations, with rock compressive strength ranging from 10,000 to 35,000 psi. Formation drilled may consist of shale, limestone, quartzite, slate, sandstone, and granite. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 9 7/8 (251mm) DX632

IADC : 6-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Bullit</b>                | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>146 lbs / 66 kg</b>         |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 100 rpm  
Weight on Bit: 50,000 – 70,000 lbs.

JBT Rock Tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **9 7/8" DX632** 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, Danv Tools rock bits are the next evolution.

## 9 7/8 (251mm) DX732

IADC : 7-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Double Conical</b>        | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Double Conical</b>         | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>146 lbs / 66 kg</b>         |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 90 rpm  
Weight on Bit: 40,000 – 75,000 lbs.

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **9 7/8" DX732** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 35,000 to 60,000 psi. Formation drilled may consist of hard shale, hard limestone, quartzite, slate, taconite and basalt. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 10 5/8" (270mm) DX532

IADC : 5-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Wedge</b>                  | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Conical</b>               | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>174 lbs / 79 kg</b>         |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 120 rpm  
Weight on Bit: 30,000 – 80,000 lbs.

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **10 5/8" DX532** blasthole bits are designed for drilling soft to medium hard formations, with rock compressive strength ranging from 10,000 to 35,000 psi. Formation drilled may consist of shale, limestone, quartzite, slate, sandstone, and granite. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 10 5/8" (270mm) DX632

IADC : 6-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Bullit</b>                | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>174 lbs / 79 kg</b>         |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 90 rpm  
Weight on Bit: 30,000 – 85,000 lbs.

JBT Rock Tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **10 5/8" DX632** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 35,000 to 60,000 psi. Formation drilled may consist of hard shale, hard limestone, quartzite, slate, taconite, and basalt. Designed with the latest technology and manufacturing, Danv Tools rock bits are the next evolution.

## 10 5/8" (270mm) DX732

IADC : 7-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Bullit</b>                | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>174 lbs / 79 kg</b>         |

### RECOMMENDED OPERATING PARAMETERS

Rotary Speed: 50 – 90 rpm  
Weight on Bit: 30,000 – 85,000 lbs.

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **10 5/8" DX732** blasthole bits are designed for drilling hard to very hard formations, with rock compressive strength ranging from 35,000 to 60,000 psi. Formation drilled may consist of hard shale, hard limestone, quartzite, slate, taconite, and basalt. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 12 1/4" (311mm) DX532

IADC : 5-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Wedge</b>                  | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Conical</b>               | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Conical</b>                | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>229 lbs / 104 kg</b>        |

### RECOMMENDED OPERATING PARAMETERS

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

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The **12 1/4" DX532** blasthole bits are designed for drilling soft to medium hard formations, with rock compressive strength ranging from 10,000 to 35,000 psi. Formation drilled may consist of shale, limestone, quartzite, slate, sandstone, and granite. Designed with the latest technology and manufacturing, the rock bits are the next evolution.

## 12 1/4" (311mm) DX632

IADC : 6-3-2



### PRODUCT SPECIFICATIONS

|  |  |
|--|--|
| Type: <b>Tri-cone</b>                    | Bit Connection: <b>6 5/8" Reg. API</b>     |
| Bearing Type: <b>Air Circulation</b>     | Circulation Type: <b>Jet Nozzle</b>        |
| Configuration: <b>Roller-Ball-Roller</b> | Head Type: <b>Full Armor</b>               |
| Cutting Structure: <b>TCI</b>            | Hardfacing: <b>Standard</b>                |
| Gage Rows: <b>Conical</b>                | Armor: <b>Round (TCI)</b>                  |
| Inner Rows: <b>Bullit</b>                | Head Feature: <b>Fluid Dynamic Profile</b> |
| Nose Rows: <b>Bullit</b>                 | Reaming: <b>None</b>                       |
| Surf Rows: <b>Round</b>                  | Bit Weight: <b>229 lbs / 104 kg</b>        |

### RECOMMENDED OPERATING PARAMETERS

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

JBT Rock tools provides advanced technical products and solutions for the mining, exploration, construction, water well, oil, and gas industries. The 12 1/4" DX632 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, the rock bits are the next evolution.

