



CHARGER™ RR450 ROTARY DRILL BIT PERFORMANCE AT THE HIGHEST LEVEL



MAXIMIZE YOUR UPTIME

Introducing the next generation in rotary drilling: The Charger™ RR450 rotary drill bit with PowerCarbide™ SH75. Designed to maximize your uptime and put all other bits on the market to the test.

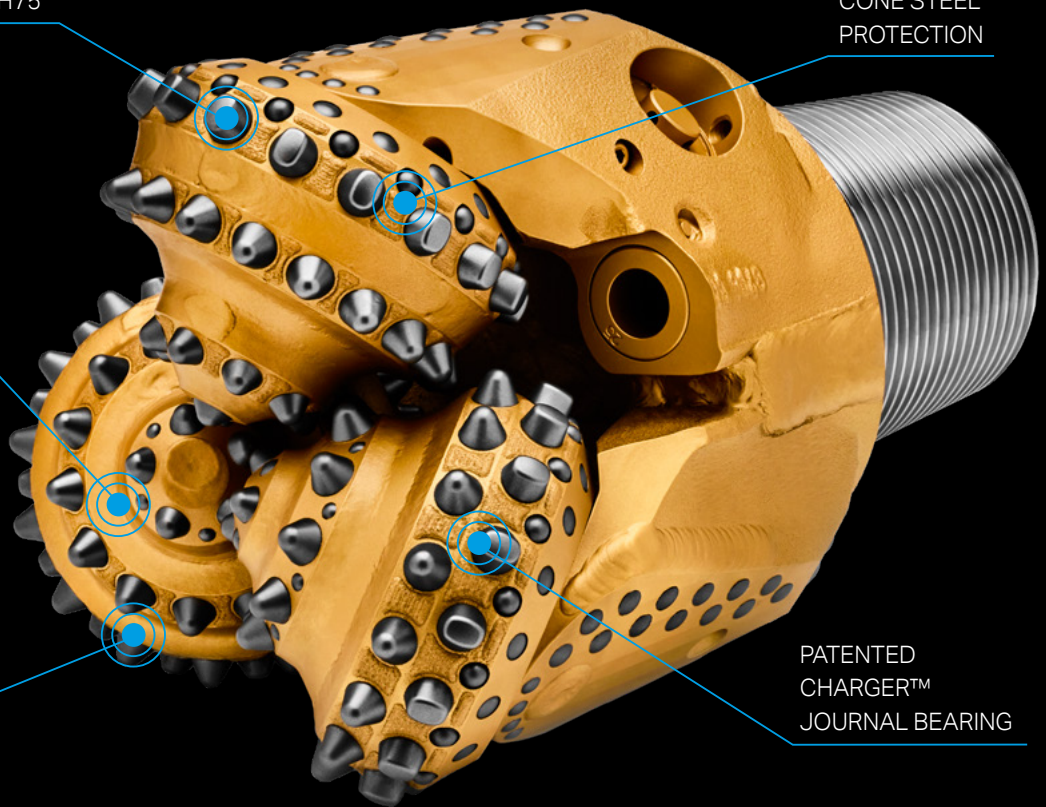
POWERCARBIDE™ SH75

CONE STEEL
PROTECTION

IMPROVED CORING
PROTECTION

CSD* OPTIMIZED
DESIGN

PATENTED
CHARGER™
JOURNAL BEARING



UNIQUE FEATURES

POWERCARBIDE™ SH75**

Longer insert wear life in hard or abrasive rock.

CONE STEEL PROTECTION

Protective hard metal is applied to the cone between inserts to increase cone steel life and limit insert loss and coring.

CSD OPTIMIZED CUTTING STRUCTURE

Improved bottom hole coverage and bit life.

PATENTED CHARGER™ SEALED JOURNAL BEARING

Industry leading bearing system for maximum drill hours and superior durability.

* CSD = Cutting Structure Development

** On selected models.



THE CHARGER™ RR450 DRILL BIT JUST KEEPS GOING

After extensive R&D, the new Charger™ RR450 bit now has the wear life to match the advanced bearing system. Cone steel protection combined with optimized design and PowerCarbide™ make this the most durable bit on the market today.

EVEN TOUGHER WITH POWERCARBIDE™ SH75

A key reason for the improved bit life of Charger™ RR450 drill bit is the inclusion of the PowerCarbide™ SH75 grade, part of Sandvik's most advanced cemented carbide range. The self-hardening carbide grade enhances the performance especially in hard and abrasive rock conditions.



90%

Tests show increased bit life by up to 90 percent whilst maintaining the same high penetration rates***.

CHARGER™ RR450 DRILL BIT

Softer Formation Most Aggressive Bit ← CUTTING STRUCTURE TYPE → Hardest Formation Least Aggressive Bit

BIT SIZE		07QX2	17QX2	35QX2	40QX2	45QX2	50QX2	60QX2
inch	mm							
9	229	X						
9 7/8	251			X				
10 5/8	270		X		X		X	
12 1/4	311					X		X

NOTE: 1. Working ranges of bit types overlap, please consult your Sandvik product specialist for recommendations. 2. The sizes and types listed in the table above reflect the standard bits that were available at the time we published this brochure. PowerCarbide™ available on selected models and we are continually adding new bit sizes and types to our product line, please consult with your Sandvik representative for the most current offerings.

*** Test results may vary depending on actual drilling conditions and thus Sandvik does not guarantee the same outcome in any other condition.

DISCOVER MORE

ROCKTECHNOLOGY.SANDVIK/CHARGER



F1-1369ENG © Sandvik Mining and Rock Solutions 2021.
Charger is a registered trademark owned by Sandvik Mining and Construction Tools AB
— part of the Sandvik Group.

