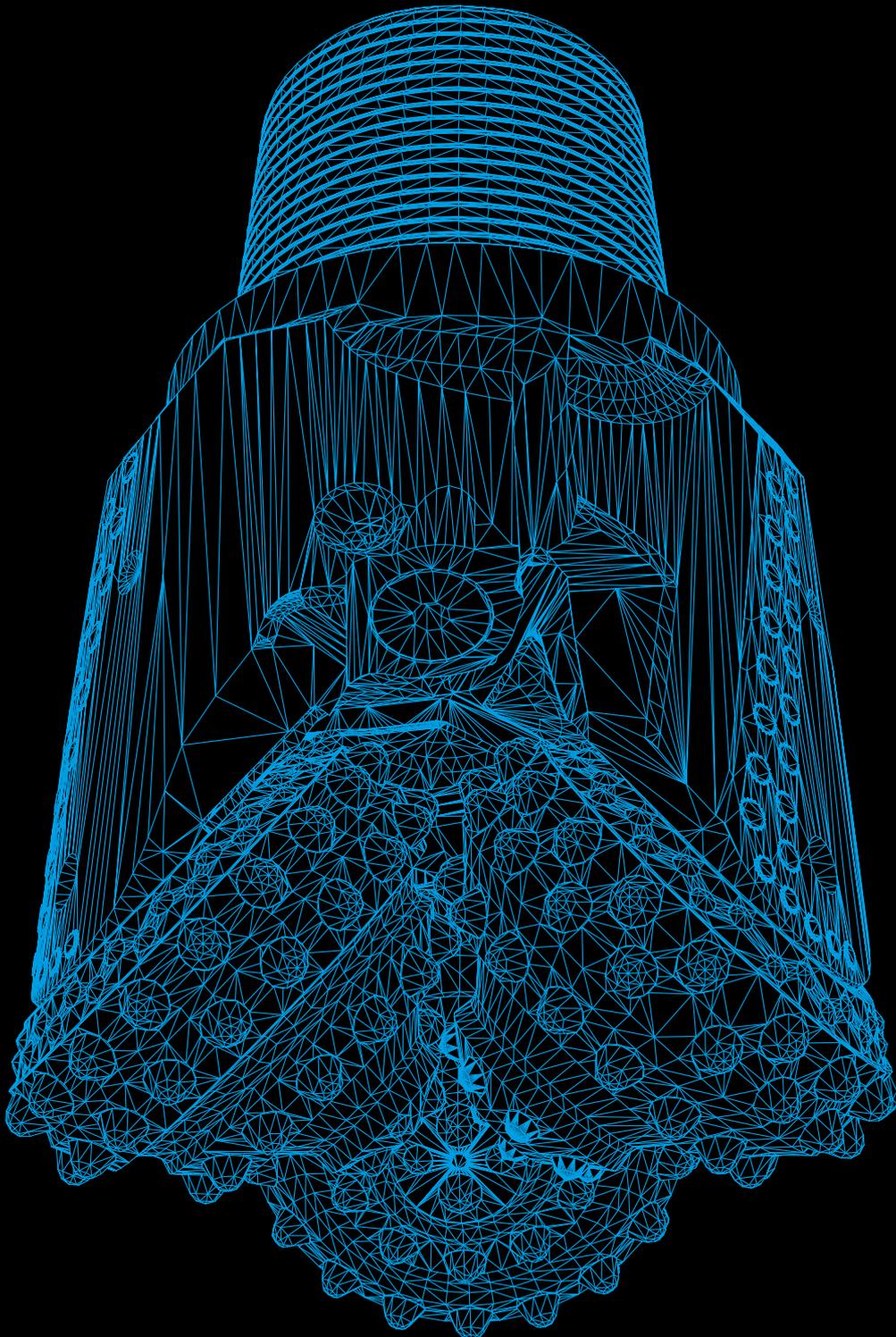




# DESIGNED TO DRILL EXPECTED TO EXCEED

SANDVIK RR221 ROTARY DRILL BITS



# DESIGNED TO DELIVER VALUE IN YOUR CONDITIONS

Developed to meet your need for a more productive and reliable rotary drill bit, Sandvik RR221 is the latest in our comprehensive blasthole range. We've harnessed extensive rock tool R&D expertise to engineer a more resilient bit that extends bearing hours -- saving you money, reducing safety risks and boosting productivity.

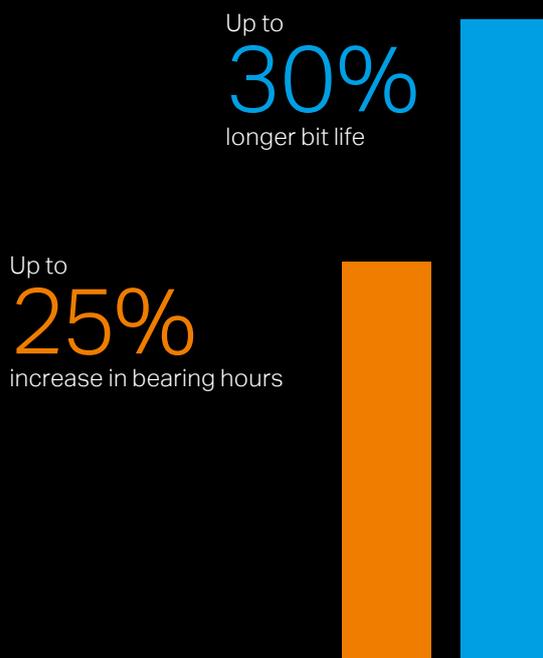
## MAXIMIZE YOUR INVESTMENT

In today's mining industry it's more important than ever to maximize the value of your investments, and Sandvik RR221 delivers. Our latest tool features application-focused cutting structures and is more effective and hard-wearing than its predecessors. You'll enjoy better longevity thanks to multiple design improvements.

## THROUGH EFFICIENCY

Sandvik RR221 is engineered for efficiency, delivering up to a 30 percent longer bit life and a 25 percent increase in bearing hours over predecessor models. Not only does this maximize your productivity and reduce costs, it also reduces requirements for changing parts, thereby making your operating safer.

"Trust the numbers"



## SANDVIK RR221 AVAILABILITY SELECTION CHART

Softest Formation  
Most Aggressive Bit

Hardest Formation  
Least Aggressive Bit

### CUTTING STRUCTURE TYPE

INCHES	MM	PIN CONNECTION*	X05	X07	X10	X20	X30	X40	X47	X50	X60	X70
6 1/4"	159	3 1/2" API						X				
6 3/4"	171	3 1/2" API			X		X			X		X
7 3/8"	187	4 1/2" API							X			
7 7/8"	200	4 1/2" API	X		X	X	X	X		X		X
9"	229	4 1/2" API	X	X		X	X		X		X	
9 7/8"	251	6 5/8" API			X	X	X	X		X	X	X
10 5/8"	270	6 5/8" API	X	X		X	X	X		X		
12 1/4"	311	6 5/8" API				X	X	X		X	X	X

#### NOTE:

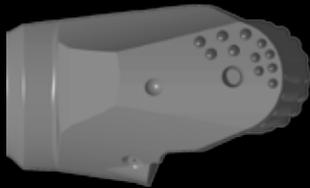
X markings indicate Sandvik RR221 assemblies are available as of December 2015. Additional models under development. Working ranges of bit types overlap and different carbide grades may be available on some bits. Please consult your Sandvik specialist for recommendations.

\* Some models available with BECO threads. Contact your Sandvik specialist for further information.

# PRECISION DESIGN VALUABLE IMPROVEMENTS

## MODULARIZED LEG DESIGN – PERFORMANCE THROUGH PROCESS

The modular leg of Sandvik RR221 aids in the evacuation of cuttings – vital for continuous productivity – and is superb at maintaining downhole stability.



## BEARING THE BRUNT OF IMPACT

Our patented air bearings are finished to the highest standard, minimizing spalling during sustained loads. Their unique geometry combines radial and axial load capacities, increasing material toughness and shock load capacity.



## FORM AND FUNCTION

We've matched our proprietary Sandvik cemented carbide shapes and grades to specific drilling conditions, so there's a bit to fit the individual needs of your operation. This will help to reduce wear and breakage, further increasing bit life and improving penetration rates.



## ELIMINATING AVOIDABLE DOWNTIME

The backflow valve is designed to prevent cuttings and debris from entering and plugging the air cleaning grooves, thereby increasing bit life – and saving you money.



