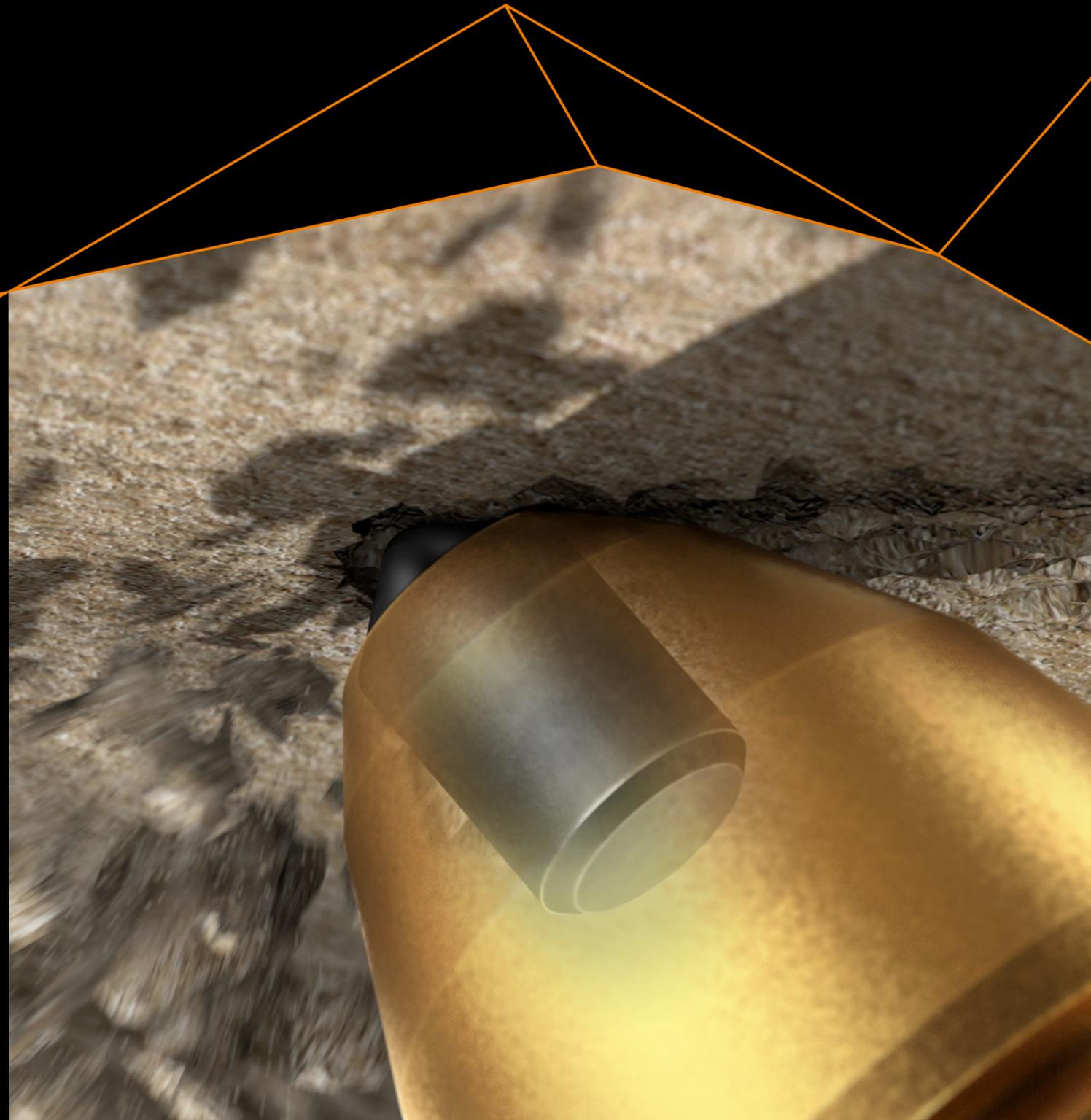




PRESENTING POWERCARBIDE™ XT53  
A TOUGHER PICK. AN EASY CHOICE

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# A PICK THAT WILL HELP YOU GET MORE DONE

With growing infrastructure demands in major urban areas, tunneling is taking up more room in today's civil construction industry. At Sandvik, we understand the tough demands of managing these projects to a tight time schedule.

Sandvik rock tools are manufactured to last longer, delivering increased productivity and better safety due to their durability and the need for fewer changes. This leaves you to focus on getting the metres you're after.

## THE NEW POWERCARBIDE™ XT53

PowerCarbide™ is a gathering of our most powerful carbide grades, representing the very best materials technology we have to offer.

Our XT grades (XT = Extra Tough), feature high wear resistance and optimized toughness. In tough testing, they have proven to be 1.5 to 3 times more effective than other products on the market for hard-to-extreme tunneling, trenching and coal mining applications.

### BOOSTING YOUR PRODUCTIVITY

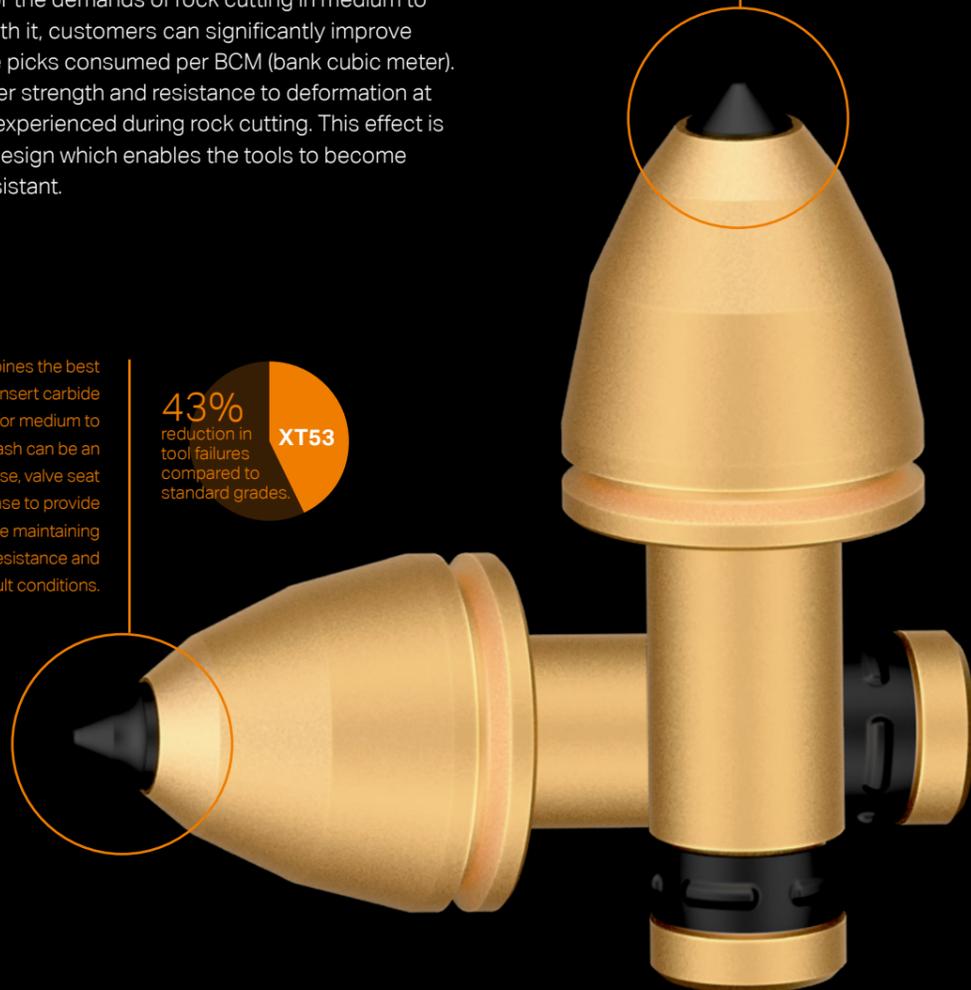
XT53 is the latest addition to the PowerCarbide™ family for cutting picks and is a grade well suited for the demands of rock cutting in medium to hard ground conditions. With it, customers can significantly improve productivity and reduce the picks consumed per BCM (bank cubic meter). The grade type shows better strength and resistance to deformation at high temperatures, usually experienced during rock cutting. This effect is achieved through an alloy design which enables the tools to become stronger and more wear resistant.

Our hybrid tip combines the best properties of our CAP and insert carbide tips. They are best suited for medium to hard materials where steel wash can be an issue. They include a flared nose, valve seat braze joint and extended base to provide excellent penetration while maintaining maximum strength, shear resistance and durability in difficult conditions.

**43%**  
reduction in tool failures compared to standard grades.

**25%**  
reduction in tool failures compared to standard grades.

Insert carbide tips prevail in high impact conditions or when you are working with hard materials. These industry-leading tips are ideal for penetration applications where steel wash is not an issue.



## TUNNELING HARD SANDSTONE

**Condition:** Component sandstone

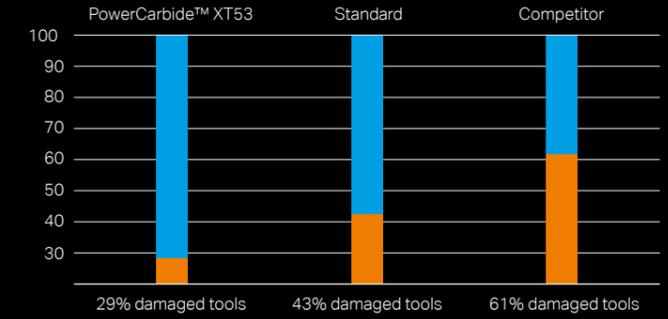
**Tunneling:** Dual lane tunnels with interchanges

**Method:** Roadheader cutting leading and trailing cuts

**Sandvik tools:** PowerCarbide™ XT53 tool and standard grade 648 tool

**Competitor tool:** Standard grade tool

**Summary:** Current test results show that our XT53 grade can be up to 52% better than competitor standard grades, looking at tool failure improvement at product end of life. Additional value seen with our premium carbide is more aggressive and faster cutting, saving both time and money.



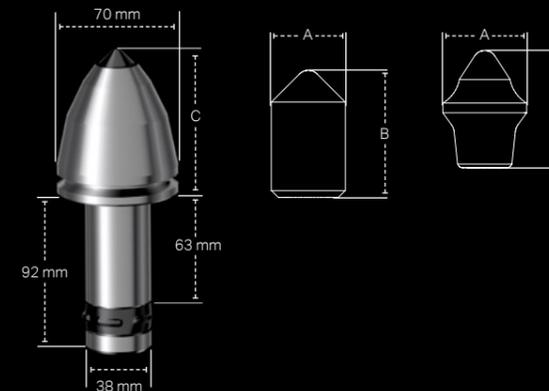
## MAKE THE RIGHT PICK FOR SUSTAINABLE PRODUCTIVITY

Sandvik cutting tools are engineered using our very own carbide technology. This means they last longer than standard cutting tools. Fewer tool changes mean increased productivity, increased safety and valuable time saved.

Not only that, we take care of your old used cutting tools and make sure the carbide gets used again. All part of our drive towards a better, more sustainable future for you and your operations.



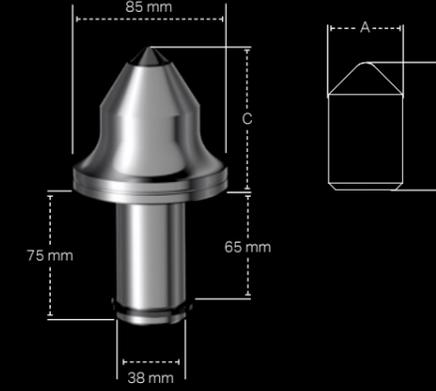
### ROADHEADER PICKS - 38 MM TOOL BUMPED RETAINER



P4AA-3885-3953

Cutting conditions	A	B	C	Pieces per box	Boxes per pallet	Pieces per pallet
HARD	19.7 mm	33.8 mm	85 mm	6	60	360

### ROADHEADER PICKS - 38 MM TOOL EXTERNAL RETAINER



P2MS-3880-3953

Cutting conditions	A	B	C	Pieces per box	Boxes per pallet	Pieces per pallet
HARD	19.7 mm	33.8 mm	80 mm	6	60	360

P4AA-3885-7553

Cutting conditions	A	B	C	Pieces per box	Boxes per pallet	Pieces per pallet
HARD	21 mm	29 mm	85 mm	6	60	360