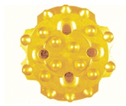
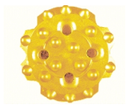
SANDVIK XDC

Full-round bits for high production drilling

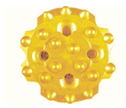
1 The recently introduced *Sandvik XDC* bits have so far been available only for tube drilling applications, but they are destined to become best-sellers also in other applications.



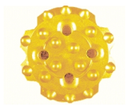
2 The flushing ducts in the centre of the *Sandvik XDC* bit open into a recess in the front face, thereby optimising the flow of the flushing medium to cool the buttons and raise the rate of cuttings removal.



3 The long grinding intervals make the *Sandvik XDC* bits "full-round" bits, paving the way for remote controlled drilling equipment and fully automatic drilling cycles with no interruptions for bit changes.



4 Faster penetration rates, in addition to drilling deeper holes in a single pass with *Sandvik XDC* bits result in time savings on each drilled hole that can be measured in hours. The bit range encompasses alternative cemented carbide grades to be matched for the drilling on-site situation.



5 Longer grinding intervals, longer bit service life and the same insert button size throughout the XDC front provide savings thanks to fewer bits in circulation on the work-site and simpler grinding routines.

6 There is a range of Sandvik grinding equipment designed to optimise the service life of your *Sandvik XDC* bits and retain their sharp bite through the last drill metre.

SANDVIK Rock Tools

The professional's choice

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SANDVIK ROCK TOOLS

SANDVIK XDC

DRILL BITS

Sandvik full-round bits for high production drilling

SANDVIK Rock Tools

SANDVIK XDC BITS
– THE MAGIC DRILLING FACES

Speed, long service life and 100% drilling reliability are the major payoffs sought in all drilling operations.

As a rock drilling professional, you are already using the most advanced and powerful rigs available to improve your drilling performance. However, to secure maximum return on your capital investment, you also need tailored rock drilling tools up front to really capitalise fully on your potential.

The new Sandvik XDC (Extra Drop-Centre) bits, with their *unique performance characteristics,* will make your drilling considerably simpler – and far more profitable.

THE MAGIC XDC BITS

The new, patented Sandvik XDC bit features a specially designed center in the bit front to optimise the flow of the flushing medium – both to cool the new ballistic buttons, and raise the rate of cuttings removal.

LONGER GRINDING INTERVALS

Improved cooling, more effective cuttings removal and minimum cuttings recrushing have made the Sandvik XDC bits an overnight success. In LKAB's gigantic underground iron-ore mine in Kiruna, northern Sweden, unmanned Tamrock rigs now automatically drill full-fan patterns of up to 300 drill metres. *Without grinding interruptions!*

375% Compared to standard equipment, with planned drill bit changes for every 80 drill metres, this means an increase in grinding intervals by 375 per cent. The now fully

35% automised drilling with Sandvik XDC bits has raised production by 30 to 35 per cent.

LONGER SERVICE LIFE

A similar performance at Pasminco´s Broken Hill Mine in New South Wales has been reached with Sandvik XDC bits. Earlier, holes 60 metres in depth were drilled – but stopped halfway to pull up the string for bit changes.

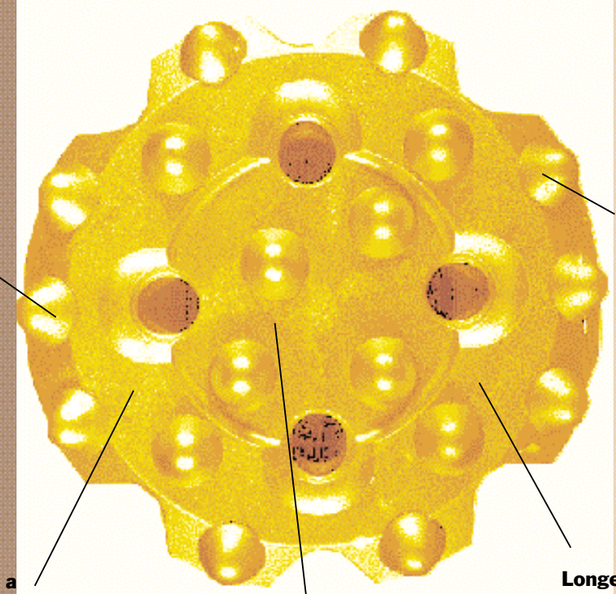
100% Sandvik XDC bits now drill the holes 100% through without interruptions. The result – *time savings on each hole that can be measured in hours*.

FASTER PENETRATION

At Peak Gold Mine Cobar in Australia, Sandvik XDC bits add to production improvement not only by drilling

60% deeper holes in a single pass – saving time of 20 to 30 minutes compared to changing a bit midhole – but also by faster drilling rates of up to more than 60 per cent.

ONE TEST DRIVE AND YOU´LL UNDERSTAND WHY SANDVIK XDC BITS ARE IN THE FRONT



Computer analysis and laboratory experiments have been used to optimise the number of the ballistic buttons, their size and disposition throughout the bit front.

Sandvik's vast experience as a manufacturer of quality steel and cemented carbide, guarantees the uniformly high quality of each Sandvik XDC bit.

The XDC front design, with its unique recess in the bit front, provides more effective flushing to cool the buttons, raise the rate of cuttings removed, reduce button wear and steel wash.

Sandvik XDC bits extend the intervals between regrindings from 80 to 300 metres, ushering in a new era of fully automised drilling.

Longer grinding intervals, longer bit service life and the same insert button sizes throughout the XDC front, allows for fewer bits in circulation on the work-site and simpler grinding routines.