

# FORGET THE CRACKS.

// The new C PROTECTOR.  
For the perfect hole in the  
hardest porcelain tiles.

 **C PROTECTOR**



 **alpen**  
drill better.



### ***The drill experts – since generations***

*We are the only full-service provider in Europe for drilling tools from our own in-house production facility and the leading manufacturer of metal, masonry and wood drill bits. Absolute top quality has been standard practice for us as an Austrian family-owned business for over 60 years. Whatever you need: We can supply the right drill bit so you can achieve optimum results faster, more efficiently and with greater precision. In other words: We make sure your perfect work result.*

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### ***The perfect hole, even under the toughest conditions.***

*Where does satisfaction begin? If a product is already very good and creates a perfect hole, why should it be further improved? At ALPEN we try to compensate for every drilling condition, even those that we cannot control. We do not know what drill you work with. We do not know the exact manufacturing conditions of your tile. And yet we guarantee you the perfect hole, with no cracks at all. This was the aim of our research and development department for the new C PROTECTOR – the perfectionist for the hardest porcelain tiles.*

# WE MEET HARDNESS WITH STABILITY.

*The recipe for the perfect hole: the right drill bit*

// No more fear of tears and drill with absolute confidence. Eliminate any chance of cracking, and the stress that goes with it, when you drill into the hardest porcelain tiles. The result – a perfectly precise hole. The new ALPEN C PROTECTOR achieves this with its unique tungsten carbide plate geometry. The new conical embedding in the base body increases the breakage resistance. At the same time, the temperature is quickly dissipated. The shortened neck increases the stability of the drill bit and reduces the

torsion forces, thus increasing the life time. The new anti-slip shank with its special six-groove design prevents slipping in the chuck and ensures optimum torque transmission. These guarantees are reassuring and suddenly you can hardly wait to drill the next tile. And even with a higher spindle speed compared to its predecessor on all commercially available power tools – all without cooling.

## No positioning difficulties

With the help of the centering tip for a precise hole.

## Increased stability

Shortened neck lowers torsion forces, reduces spring/rattling and increases life time.

## Patented tungsten carbide plate

Conically embedded cutting insert for increased breakage resistance.

## Precision

The red coloured ring indicates the ideal drilling depth.

## Safety

Unique anti-slip shank prevents slipping in the chuck and ensures optimum torque transmission.



## **C PROTECTOR**

### Range of application:

For extremely hard porcelain tiles up to Mohs / Ritz hardness 9 and glass.  
No cooling required. Not suitable for percussion drilling.

- // TC plate with patented special cutting edge for optimal drilling results
- // More stability due to shortened neck
- // Perfect grip in all chucks thanks to unique anti-slip shank
- // Crack-free drilling
- // Precise positioning thanks to the centering tip



For hardest porcelain tiles up to Mohs / Ritz hardness 9



Highly accurate centering



Ideal for dry drilling



Anti-slip shank



Spindle speed max. 600 rpm  
(depending on diameter)



# FOR HOLES – WITH NO CRACKS AT ALL.

*This makes every hole in porcelain tiles a success.*

	<p>Plastic wallet</p>	<p>Industrial packing</p>
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Ø mm	Ø inch	l1 mm		Code 303 Art.-No.	Cont.		Code 20303 Art.-No.	Cont.
5.00	3/16	103	10.00	00 303005001 00	1	10		
6.00	15/64	105	10.00	00 303006001 00	1	10	20 303006001 00	3
8.00	5/16	106	10.00	00 303008001 00	1	10	20 303008001 00	3
10.00	3/8	107	10.00	00 303010001 00	1	10		
12.00	15/32	110	10.00	00 303012001 00	1	10		

				Plastic box					
Ø mm	Ø <sup>(1)</sup> mm	l1 mm		Code 303 Art.-No.	Cont.				
14.00	+ 8.00	114	10.00	00 003030021 00	2	1			
<sup>(1)</sup> To pre-drill with Ø 8.00 mm									

				Plastic box				
Ø mm		Code 303 Art.-No.	Cont.					
6.00 / 8.00 / 10.00	10.00	00 003030031 00	3	1				

<sup>\*</sup> depending on the diameter

# THE PERFECT COMBINATION...

... for everything that waits behind the tile.

Set of two

**C PROTECTOR**




Code 303



**PROFI BETON**

Code 189



Ø mm	Ø inch	l1 mm		Ø mm	Ø inch	l1 mm		Code 303 + 189 Art.-No.	Cont.	
5,00	3/16	103	10,00	5,00	3/16	105	1/4"	00 003030521 00	2	10
6,00	15/64	105	10,00	6,00	15/64	115	1/4"	00 003030621 00	2	10
8,00	5/16	106	10,00	8,00	5/16	120	1/4"	00 003030821 00	2	10
10,00	3/8	107	10,00	10,00	3/8	120	1/4"	00 003031021 00	2	10

<sup>(2)</sup> Shank DIN 3126, Form E6.3, ISO 1173



1. Drill hole in porcelain / gres tiles with **C PROTECTOR**



2. Drill plug length in masonry with **PROFI BETON**



3. Insert plug: **secure plug hold** and max. **safety**



**Cardboard Display  
C PROTECTOR ATM2**

15 Sets: Plastic cassettes, 2 pcs.  
Cardboard Display  
Art.-No.: 0009800167100

Ø mm	Ø inch	pcs.	Ø mm	Ø inch	pcs.
6.00	15/64	5	6.00	15/64	10
8.00	5/16	5	8.00	5/16	5
10.00	3/8	5			

**Cardboard Display  
C PROTECTOR ATM2**

15 Sets: Plastic cassettes, 2 pcs.  
Cardboard Display  
Art.-No.: 0009800168100





Art. No.: 0099900126100

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