



BLUE-MASTER[®]
by *CE/ESA*



CONSTRUCTION
DRILL BITS

**DIAMOND DRILL BITS FOR VERY HARD MATERIALS
LIKE STONEWARE, HARD CERAMIC, ETC**

PD:
Diamond interchangeable point cutters.

CPD:
Body length.
Available in 50 or 100 mm

HPD:
Shank with internal water cooling.



| PD | | | CPD | | CPD-100 | | HPD | |
|--------|-------|--------------|---------|--------------|-------------|--------------|------|---------------|
| | Ø mm | € | | € | | € | | € |
| PD0500 | 5,00 | 21,54 | CPD0500 | 30,23 | CPD0500-100 | 43,09 | HPD1 | 220,44 |
| PD0600 | 6,00 | 25,58 | CPD0600 | 31,31 | CPD0600-100 | 43,09 | | |
| PD0650 | 6,50 | 25,58 | | | | | | |
| PD0800 | 8,00 | 43,09 | | | | | | |
| PD0850 | 8,50 | 43,09 | | | | | | |
| PD0900 | 9,00 | 47,12 | CPD0850 | 34,55 | CPD0850-100 | 48,47 | | |
| PD1000 | 10,00 | 47,12 | | | | | | |
| PD1050 | 10,50 | 47,12 | CPD1050 | 34,55 | CPD1050-100 | 48,47 | | |
| PD1200 | 12,00 | 53,86 | | | | | | |
| PD1450 | 14,50 | 61,94 | CPD1450 | 40,49 | CPD1450-100 | 53,86 | | |
| PD1600 | 16,00 | 68,67 | | | CPD1600-100 | 53,86 | | |
| PD1800 | 18,00 | 76,74 | | | CPD1800-100 | 53,86 | | |
| PD2000 | 20,00 | 90,20 | | | CPD2000-100 | 59,24 | | |



GUIDE FOR CENTERING DRILLS AND DIAMOND CUTTERS

- 8 holes: Ø 4 - 5 - 6 - 6,5 - 8 - 10 - 12 - 13 mm
- Easy adaptation of cooling system.
- Fixing with suction pad for a perfect adherence in plane surfaces.
- Center drilling and cooling in glass, stoneware, hard tiles, etc.

GBD
23,90 €



CAN FOR WATER REFRIGERATION

GBP
9,73 €

- Capacity: 1,1L.

PROFESSIONAL HIGH PERFORMANCE TILE BITS

Ref. BW9



Revolutionary tip geometry

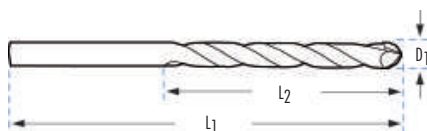
Extra Professional Series



- The innovation of this drill bit comes from its carbide grade, the welding technique and its revolutionary geometry.
- For use with portable or electric drill in rotary mode.
- Always cooling with water, using preferably the CGB guide.

APPLICATIONS:

- For hard and abrasive ceramics, as stoneware or hard tile. This high performance bit will make a hole where all the others have failed.



BW9

| | D1 mm | L1 x L2 mm | € |
|---------|-------|------------|-------|
| BW90300 | 3,0 | 85 x 40 | 25,06 |
| BW90350 | 3,5 | 85 x 40 | 25,06 |
| BW90400 | 4,0 | 85 x 45 | 25,06 |
| BW90450 | 4,5 | 85 x 45 | 25,06 |
| BW90500 | 5,0 | 85 x 45 | 26,50 |
| BW90550 | 5,5 | 100 x 60 | 27,02 |
| BW90600 | 6,0 | 100 x 60 | 27,72 |
| BW90650 | 6,5 | 100 x 60 | 28,23 |
| BW90700 | 7,0 | 125 x 70 | 31,72 |
| BW90750 | 7,5 | 125 x 70 | 32,31 |
| BW90800 | 8,0 | 125 x 70 | 34,40 |
| BW90850 | 8,5 | 125 x 70 | 35,04 |
| BW90900 | 9,0 | 150 x 85 | 41,69 |
| BW91000 | 10,0 | 150 x 85 | 41,69 |
| BW91050 | 10,5 | 150 x 85 | 55,11 |
| BW91100 | 11,0 | 150 x 85 | 54,11 |



| REFERENCE | BW99325 | BW99318 |
|-----------|--------------------|------------------------|
| QUANTITY | 4 | 5 |
| QUALITY | EXTRA-PROFESSIONAL | EXTRA-PROFESSIONAL |
| CONTENT | Ø 4 - 5 - 6 - 8 mm | Ø 3 - 4 - 5 - 6 - 8 mm |
| PRICE € | 117,37 | 142,97 |

WATER COOLING GUIDE WITH TANK

CUTTING SPEED R.P.M.

| Ø mm | R.P.M. Max. | R.P.M. Min. |
|------|-------------|-------------|
| 3,0 | 1350 | 1100 |
| 4,0 | 1200 | 1000 |
| 5,0 | 1100 | 920 |
| 6,0 | 1000 | 830 |
| 7,0 | 900 | 740 |
| 8,0 | 800 | 650 |
| 9,0 | 700 | 550 |
| 10,0 | 600 | 500 |
| 11,0 | 550 | 450 |



- Guide to drill 5-6-7-8-10-12-15-35 mm

CGB
11,08 €

STANDARD HIGH PERFORMANCE TILE BITS

Ref. BW7

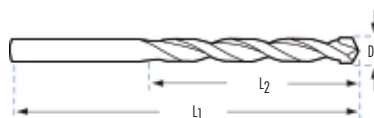


- Always drill in rotary mode
- Always cooling with water, using preferably the CGB guide.

APPLICATIONS:

- Very hard and abrasives ceramics, tile...

- Special application: Due to its cutting geometry this drill is also recommended to drill broken screws and also HARDOX 450 and lowers.



| BW7 | | | | |
|-------|-------|------------|---|------|
| | D1 mm | L1 x L2 mm | | € |
| BW703 | 3,0 | 60 x 32 | 1 | 7,10 |
| BW704 | 4,0 | 75 x 43 | 1 | 7,10 |
| BW705 | 5,0 | 85 x 50 | 1 | 7,22 |
| BW706 | 6,0 | 100 x 60 | 1 | 7,22 |
| BW707 | 7,0 | 100 x 62 | 1 | 9,98 |

Blister: 190x60 mm.

| BW7 | | | | |
|-------|-------|------------|---|-------|
| | D1 mm | L1 x L2 mm | | € |
| BW708 | 8,0 | 120 x 80 | 1 | 11,56 |
| BW709 | 9,0 | 120 x 82 | 1 | 12,23 |
| BW710 | 10,0 | 120 x 82 | 1 | 12,58 |
| BW712 | 12,0 | 150 x 101 | 1 | 25,46 |
| BW713 | 13,0 | 150 x 92 | 1 | 27,68 |

Blister: 230x60 mm.

| | |
|------------------|--------------------|
| REFERENCE | BW79325 |
| QUANTITY | 4 |
| QUALITY | STANDARD |
| CONTENT | Ø 4 - 5 - 6 - 8 mm |
| PRICE € | 37,25 |



WATER COOLING GUIDE WITH TANK

| CUTTING SPEED R.P.M. | | |
|----------------------|-------------|-------------|
| Ø mm | R.P.M. Max. | R.P.M. Min. |
| 4,0 | 1000 | 830 |
| 5,0 | 900 | 740 |
| 6,0 | 800 | 650 |
| 8,0 | 600 | 500 |
| 10,0 | 500 | 400 |

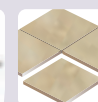
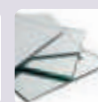


CGB
11,08 €

- Guide to drill 5-6-7-8-10-12-15-35 mm

GLASS AND TILE DRILL BITS

Ref. BW13



Extra
Professional
series



- Always drill in rotary mode.
- Cool down the drill bit while being used.
- 4 teeth sharpening provides high performance, less effort, and better hole quality.

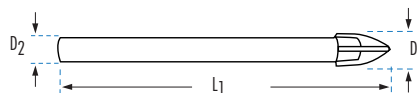
APPLICATIONS:

- Glass, Tile and Phenolic compact panel.
- The solution for drilling PHENOLIC PANEL (toilet screens, changing room lockers, even all types of boards or countertops made with phenolic panel).
- PERFECT finishing, the phenolic board does not chip off NEITHER WHEN INTRODUCING NOR WHEN REMOVING THE DRILL.

CUTTING SPEED
R.P.M.

| Ø mm | R.P.M. |
|---------|--------|
| 3 - 6 | 900 |
| 8 - 10 | 700 |
| 12 - 14 | 600 |

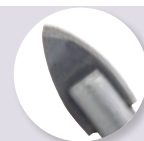
| BW13 | | | | |
|--------|----------|----------|----------|-------|
| | D1 mm | D2 mm | L1 mm | € |
| BW1303 | 3,0 | 2,5 | 62 | 9,06 |
| BW1304 | 4,0 | 3,0 | 65 | 9,82 |
| BW1305 | 5,0 | 4,0 | 68 | 10,42 |
| BW1306 | 6,0 | 4,0 | 72 | 11,01 |
| BW1308 | 8,0 | 6,0 | 80 | 11,98 |
| BW1310 | 10,0 | 8,0 | 90 | 16,75 |
| BW1312 | 12,0 | 10,0 | 100 | 23,33 |
| BW1314 | 14,0 | 10,0 | 100 | 26,57 |
| BW1316 | 16,0 | 10,0 | 100 | 31,25 |
| BW1318 | 18,0 | 10,0 | 110 | 34,25 |
| BW1320 | 20,0 | 10,0 | 110 | 35,36 |
| BW1322 | 22,0 | 10,0 | 120 | 38,36 |
| BW1325 | 25,0 | 10,0 | 120 | 40,05 |



| | |
|-----------|--------------------|
| REFERENCE | BW139325 |
| QUANTITY | 4 |
| QUALITY | PROFESSIONAL |
| CONTENT | Ø 4 - 5 - 6 - 8 mm |
| PRICE € | 49,14 |

GLASS DRILL BIT

Ref. BC90B



Standard
series



| BC90B | | | | |
|---------|----------|----------|----------|-------|
| | D1 mm | D2 mm | L1 mm | € |
| BC9003B | 3,0 | 2,5 | 65 | 6,65 |
| BC9004B | 4,0 | 3,0 | 65 | 7,27 |
| BC9005B | 5,0 | 4,0 | 65 | 7,72 |
| BC9006B | 6,0 | 4,0 | 65 | 8,16 |
| BC9008B | 8,0 | 6,0 | 70 | 9,03 |
| BC9010B | 10,0 | 8,0 | 80 | 12,64 |
| BC9012B | 12,0 | 10,0 | 80 | 17,60 |
| BC9014B | 14,0 | 10,0 | 80 | 19,68 |



| | |
|-----------|--------------------|
| REFERENCE | BC909325 |
| QUANTITY | 4 |
| QUALITY | STANDARD |
| CONTENT | Ø 4 - 5 - 6 - 8 mm |
| PRICE € | 34,14 |

CARBIDE TIPPED TILE DRILLS PROFESSIONAL QUALITY

Construction drill bits

Grey

NEW

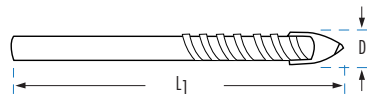
Ref. BW5

Professional
series

- Always drill in rotary mode.
- Cool down the drill bit while being used.
- Special high performance carbide tip for easy drilling, less effort, and better hole quality.

APPLICATIONS:

- Tile, Hard Ceramic, Slate, Glass, etc.



| | BW5 | | |
|---------|----------|---------------|-------|
| | D1 mm | L1 x L2 mm | € |
| BW50300 | 3,0 | 80 x 40 | 7,10 |
| BW50400 | 4,0 | 80 x 40 | 7,10 |
| BW50500 | 5,0 | 80 x 40 | 7,22 |
| BW50600 | 6,0 | 80 x 40 | 7,22 |
| BW50700 | 7,0 | 80 x 40 | 9,98 |
| BW50800 | 8,0 | 100 x 60 | 11,56 |
| BW50900 | 9,0 | 100 x 60 | 12,23 |
| BW51000 | 10,0 | 100 x 60 | 12,58 |
| BW51200 | 12,0 | 100 x 60 | 25,46 |
| BW51300 | 13,0 | 100 x 60 | 27,68 |



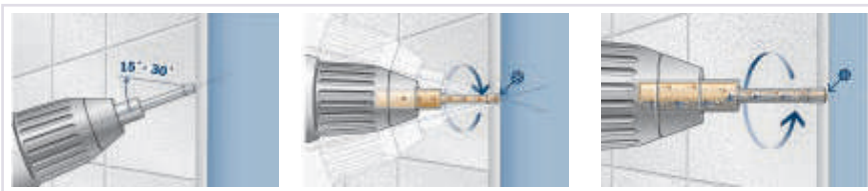
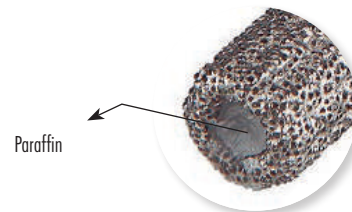
DIAMOND TILE DRILL BIT

Ref. CPS

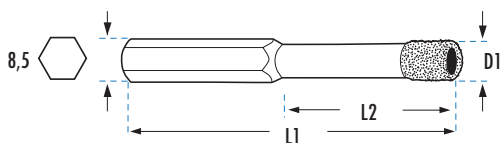


Dry Working

Diamond series



- Always drill with rotary mode
- CPS may drill ceramics without water thanks to its innovative mechanism of autolubrication with paraffin. Nevertheless, by using water you'll increase the performance of the drill dramatically.
- Start drilling with an angle between 15° and 30° and then keep on drilling horizontally. No guide needed.
- Drill ceramics with soft circular movements to make easier the further extraction of the core
- Before finishing, stop pushing strongly to avoid the core to get stuck inside the holesaw.
- It's suitable to extract manually the perforated core, after each drilling operation.
- More holes in less time and with less effort.
- The internal tank of paraffin can not be refilled.



| | D1 mm | Hexagon | L1 x L2 mm | CPS | € |
|-------|-------|---------|------------|-----|--------------|
| CPS05 | 5,0 | 8,5 | 67 x 33 | | 32,24 |
| CPS06 | 6,0 | 8,5 | 67 x 33 | | 32,71 |
| CPS08 | 8,0 | 8,5 | 80 x 33 | | 36,17 |
| CPS10 | 10,0 | 8,5 | 80 x 33 | | 44,40 |
| CPS12 | 12,0 | 8,5 | 80 x 33 | | 52,51 |
| CPS14 | 14,0 | 8,5 | 80 x 33 | | 57,87 |
| CPS15 | 15,0 | 8,5 | 80 x 33 | | 59,81 |
| CPS20 | 20,0 | 8,5 | 80 x 50 | | 65,45 |
| CPS22 | 22,0 | 8,5 | 80 x 50 | | 71,94 |
| CPS25 | 25,0 | 8,5 | 80 x 50 | | 76,41 |
| CPS30 | 30,0 | 8,5 | 80 x 50 | | 83,09 |



| | |
|-----------|---------------------|
| REFERENCE | CPS9328 |
| QUANTITY | 4 |
| CONTENT | Ø 5 - 6 - 8 - 10 mm |
| PRICE € | 145,53 |



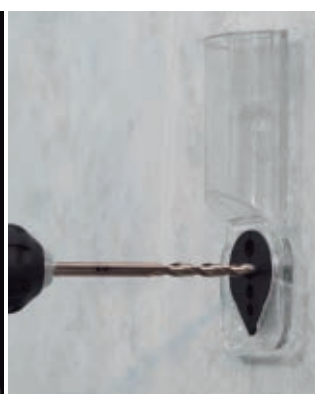
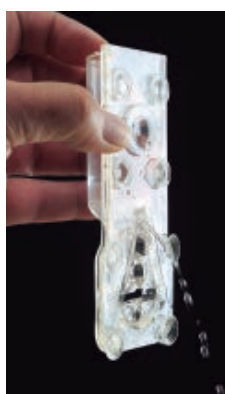
CAN OF PARAFFIN LUBRICANT

| | |
|-------|--------|
| PACSE | 9,17 € |
|-------|--------|

WATER COOLING GUIDE WITH TANK

CUTTING SPEED R.P.M.

| Ø mm | R.P.M. Max. | R.P.M. Min. |
|------|-------------|-------------|
| 4,0 | 1000 | 830 |
| 5,0 | 900 | 740 |
| 6,0 | 800 | 650 |
| 8,0 | 600 | 500 |
| 10,0 | 500 | 400 |



| | |
|-----|---------|
| CGB | 11,08 € |
|-----|---------|

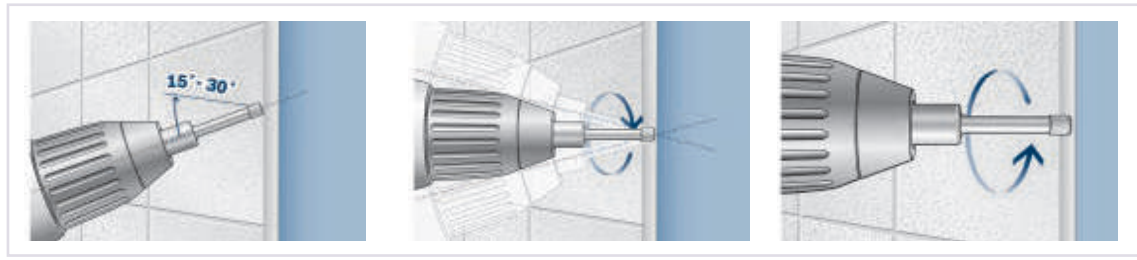
- Guide to drill 5-6-7-8-10-12-15-35 mm

DIAMOND TILE DRILL BIT

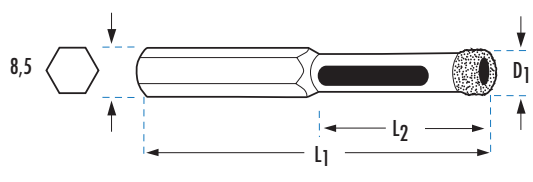
Ref. CPH



Diamond series



- Always drill with rotary mode.
- Cooling with plenty of water during the drilling operation.
- CPH drill may drill ceramics whenever some water will be between the diamond and the piece to be machined.
- Never put the CPH Drill in water after drilling operations. Once the drill achieve high temperatures, let it getting cooled by the air.
- Start drilling with an angle between 15° and 30° and then keep on drilling horizontally. No guide needed.
- Drill ceramics with soft circular movements to make easier the further extraction of the core.
- Before finishing, stop pushing strongly to avoid the core to get stucked inside the holesaw.
- Extract the perforated core by the lateral opening.
- More holes in less time and with less effort.



| | CPH | | | |
|-------|-------|---------|------------|-------|
| | D1 mm | Hexagon | L1 x L2 mm | € |
| CPH05 | 5,0 | 8,5 | 55 x 25 | 19,05 |
| CPH06 | 6,0 | 8,5 | 55 x 25 | 20,42 |
| CPH08 | 8,0 | 8,5 | 55 x 25 | 26,76 |
| CPH10 | 10,0 | 8,5 | 55 x 25 | 28,23 |
| CPH12 | 12,0 | 8,5 | 55 x 25 | 34,83 |
| CPH14 | 14,0 | 8,5 | 55 x 25 | 39,51 |

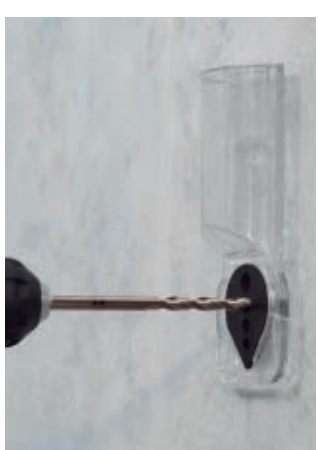


| | |
|-----------|---------------------|
| REFERENCE | CPH9328 |
| QUANTITY | 4 |
| CONTENT | Ø 5 - 6 - 8 - 10 mm |
| PRICE € | 94,47 |

WATER COOLING GUIDE WITH TANK



CGB 11,08 €

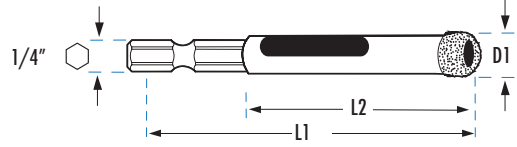


| Ø mm | CUTTING SPEED R.P.M. | |
|------|----------------------|-------------|
| | R.P.M. Max. | R.P.M. Min. |
| 4,0 | 1000 | 830 |
| 5,0 | 900 | 740 |
| 6,0 | 800 | 650 |
| 8,0 | 600 | 500 |
| 10,0 | 500 | 400 |

- Guide to drill 5-6-7-8-10-12-15-35 mm

DIAMOND TILE DRILL BIT

NEW
Ref. CAH

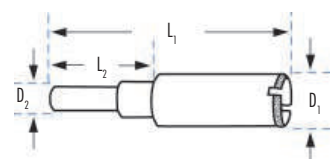


- Always drill with rotary mode.
- Cooling with plenty of water during the drilling operation.
- CPH drill may drill ceramics whenever some water will be between the diamond and the piece to be machined.
- Never put the CPH Drill in water after drilling operations. Once the drill achieves high temperatures, let it getting cooled by the air.
- Start drilling with an angle between 15° and 30° and then keep on drilling horizontally. No guide needed.
- Drill ceramics with soft circularly movements to make easier the further extraction of the core.
- Before finishing, stop pushing strongly to avoid the core to get stuck inside the holesaw.
- Extract the perforated core by the lateral opening.
- More holes in less time and with less effort.

| CAH | | | | |
|-------|-------|---------|------------|-------|
| | D1 mm | Hexagon | L1 x L2 mm | € |
| CAH05 | 5,0 | 1/4 | 65 x 30 | 19,05 |
| CAH06 | 6,0 | 1/4 | 65 x 30 | 20,42 |
| CAH07 | 7,0 | 1/4 | 65 x 30 | 23,25 |
| CAH08 | 8,0 | 1/4 | 65 x 30 | 26,76 |
| CAH10 | 10,0 | 1/4 | 65 x 30 | 28,23 |
| CAH12 | 12,0 | 1/4 | 65 x 30 | 34,83 |
| CAH14 | 14,0 | 1/4 | 65 x 30 | 39,51 |
| CAH15 | 15,0 | 1/4 | 65 x 30 | 59,81 |
| CAH16 | 16,0 | 1/4 | 65 x 30 | 62,36 |
| CAH18 | 18,0 | 1/4 | 65 x 30 | 64,25 |
| CAH20 | 20,0 | 1/4 | 65 x 30 | 65,45 |
| CAH22 | 22,0 | 1/4 | 65 x 30 | 71,94 |
| CAH25 | 25,0 | 1/4 | 65 x 30 | 76,41 |
| CAH28 | 28,0 | 1/4 | 65 x 30 | 77,36 |
| CAH30 | 30,0 | 1/4 | 65 x 30 | 83,09 |
| CAH32 | 32,0 | 1/4 | 65 x 30 | 89,36 |
| CAH35 | 35,0 | 1/4 | 65 x 30 | 96,36 |

ELECTRODEPOSITED DIAMOND HOLESAW FOR GLASS

Ref. BC70..B



Given the characteristics and small diameter of these holesaws it is important to keep in mind that they do not come with a pilot drill. For portable drilling machines, we highly recommend making an exterior guide (see picture). In stationary machines, both workpiece and the machine should be securely fastened.

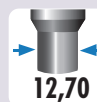
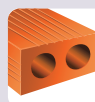
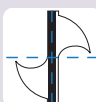
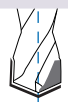
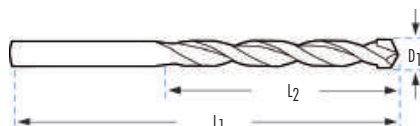


| BC70..B | | | | | |
|-----------|-------|-------|-------|-------|-------|
| | D1 mm | D2 mm | L2 mm | L1 mm | € |
| BC700400B | 4,0 | 6,0 | 25 | 45 | 8,46 |
| BC700500B | 5,0 | 6,0 | 25 | 45 | 10,28 |
| BC700600B | 6,0 | 6,0 | 30 | 66 | 12,00 |
| BC700700B | 7,0 | 6,0 | 30 | 66 | 13,72 |
| BC700800B | 8,0 | 6,0 | 30 | 66 | 14,69 |
| BC700900B | 9,0 | 6,0 | 30 | 66 | 16,38 |
| BC701000B | 10,0 | 6,0 | 30 | 66 | 18,10 |
| BC701200B | 12,0 | 6,5 | 20 | 66 | 22,48 |
| BC701400B | 14,0 | 6,5 | 20 | 66 | 28,60 |
| BC701500B | 15,0 | 6,5 | 20 | 66 | 33,02 |
| BC701600B | 16,0 | 6,5 | 20 | 66 | 36,57 |
| BC701800B | 18,0 | 6,5 | 20 | 66 | 40,11 |
| BC702000B | 20,0 | 6,5 | 20 | 66 | 43,51 |

Construction drill bits
Grey
Pink

CARBIDE TIPPED HAMMER DRILLS

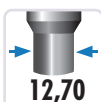
Ref. BW1

DIN
8039Standard
series

| SHORT SERIES | | | | LONG SERIES | | | | | |
|--------------|--------|--------------|-------|--------------|--------|--------------|------------|---------|-------|
| D1 mm | | L1x L2 mm | € | 150 mm | | 200 mm | | | € |
| | | | | L1x L2 mm | € | L1x L2 mm | € | | |
| 3 | BW103 | 70x30 | 1,41 | | | | | | |
| 4 | BW104 | 70x30 | 1,43 | | | | | | |
| 5 | BW105 | 85x45 | 1,56 | BW105X150 | 150x80 | 2,78 | | | |
| 6 | BW106 | 100x50 | 1,73 | BW106X150 | 150x80 | 2,78 | BW106X200 | 200x125 | 5,40 |
| 7 | BW107 | 100x50 | 2,05 | BW107X150 | 150x80 | 3,53 | | | |
| 8 | BW108 | 120x70 | 2,26 | BW108X150 | 150x80 | 4,00 | BW108X200 | 200x125 | 5,40 |
| 9 | BW109 | 120x70 | 2,60 | BW109X150 | 150x80 | 4,66 | | | |
| 10 | BW110 | 120x70 | 2,76 | BW110X150 | 150x80 | 5,22 | BW110X200 | 200x125 | 6,77 |
| 11 | BW111 | 150x80 | 4,03 | | | | | | |
| 12 | BW112 | 150x80 | 4,67 | | | | BW112X200 | 200x125 | 7,45 |
| 13 | BW113* | 150x80 | 5,35 | | | | | | |
| 14 | BW114* | 150x80 | 6,84 | | | | BW114X200* | 200x125 | 9,86 |
| 15 | BW115* | 160x80 | 8,83 | | | | | | |
| 16 | BW116* | 160x80 | 10,19 | | | | BW116X200* | 200x125 | 14,61 |
| 18 | BW118* | 160x80 | 12,11 | | | | BW118X200* | 200x125 | 16,65 |
| 20 | BW120* | 160x80 | 14,87 | | | | | | |
| 22 | BW122* | 160x80 | 17,31 | | | | | | |
| 24 | BW124* | 160x80 | 22,63 | | | | | | |
| 25 | BW125* | 160x80 | 21,59 | | | | | | |
| 30 | BW130* | 160x80 | 42,85 | | | | | | |

EXTRA LONG SERIES

| D1 mm | | 300 mm | | 400 mm | | 600 mm | | | € |
|----------|------------|--------------|-------|--------------|---------|--------------|------------|---------|-------|
| | | L1x L2 mm | € | L1x L2 mm | € | L1x L2 mm | € | | |
| 6 | BW106X300 | 300x210 | 6,99 | BW106X400 | 400x280 | 8,59 | | | |
| 8 | BW108X300 | 300x210 | 6,99 | BW108X400 | 400x280 | 9,46 | | | |
| 10 | BW110X300 | 300x210 | 8,29 | BW110X400 | 400x280 | 10,17 | BW110X600 | 600x480 | 12,44 |
| 12 | BW112X300 | 300x210 | 9,46 | BW112X400 | 400x280 | 12,47 | BW112X600 | 600x480 | 15,64 |
| 13 | BW113X300* | 300x210 | 11,19 | BW113X400* | 400x280 | 12,95 | BW113X600* | 600x480 | 16,48 |
| 14 | BW114X300* | 300x210 | 11,50 | BW114X400* | 400x280 | 13,73 | BW114X600* | 600x480 | 18,67 |
| 15 | BW115X300* | 300x210 | 15,50 | BW115X400* | 400x280 | 16,89 | BW115X600* | 600x480 | 22,20 |
| 16 | BW116X300* | 300x210 | 15,43 | BW116X400* | 400x280 | 18,10 | BW116X600* | 600x480 | 24,65 |
| 18 | BW118X300* | 300x210 | 17,51 | BW118X400* | 400x280 | 20,51 | BW118X600* | 600x480 | 28,12 |
| 20 | BW120X300* | 300x210 | 20,97 | BW120X400* | 400x280 | 23,92 | BW120X600* | 600x480 | 33,59 |
| 22 | BW122X300* | 300x210 | 26,56 | BW122X400* | 400x280 | 34,72 | BW122X600* | 600x480 | 40,53 |
| 24 | BW124X300* | 300x210 | 39,52 | BW124X400* | 400x280 | 39,96 | BW124X600* | 600x480 | 52,31 |
| 25 | BW125X300* | 300x210 | 39,96 | BW125X400* | 400x280 | 42,65 | BW125X600* | 600x480 | 52,86 |



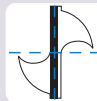
From Ø 13 mm all the drills have reduced shank

CARBIDE TIPPED HAMMER DRILLS IN PLASTIC BOXES

Ref. BW1



**DIN
8039**



**Standard
series**

Construction drill bits
Grey



| | | | |
|------------------|--------------------|---------------------|------------------------|
| REFERENCE | BW19325 | BW19328 | BW19318 |
| QUANTITY | 4 | 4 | 5 |
| QUALITY | STANDARD | STANDARD | STANDARD |
| CONTENT | Ø 4 - 5 - 6 - 8 mm | Ø 5 - 6 - 8 - 10 mm | Ø 3 - 4 - 5 - 6 - 8 mm |
| PRICE € | 12,66 | 12,65 | 14,07 |



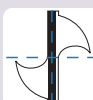
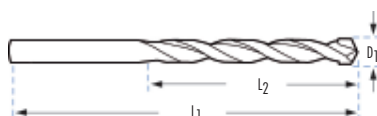
| | | | |
|------------------|-------------------------|----------------------------------|-------------------------------------|
| REFERENCE | BW19327 | BW19434 | BW19319 |
| QUANTITY | 5 | 7 | 8 |
| QUALITY | STANDARD | STANDARD | STANDARD |
| CONTENT | Ø 4 - 5 - 6 - 8 - 10 mm | Ø 4 - 5 - 6 - 7 - 8 - 10 - 12 mm | Ø 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 mm |
| PRICE € | 14,12 | 26,55 | 21,15 |

CUTTING SPEED R.P.M.

| | Ø 3 | Ø 5 | Ø 8 | Ø 10 | Ø 12 | | Ø 3 | Ø 5 | Ø 8 | Ø 10 | Ø 12 |
|---------------|------|------|------|------|------|---------------|------|------|------|------|------|
| Soft material | | | | | | Hard material | | | | | |
| Brick | | | | | | Marble | | | | | |
| Sandstone | | | | | | Cement | | | | | |
| Plaster | 2800 | 1750 | 1150 | 1000 | 800 | Concrete | 1800 | 1000 | 1000 | 600 | 500 |
| Gypsum | | | | | | Blackboard | | | | | |
| Asbestos | | | | | | Limestone | | | | | |
| | | | | | | Granite | | | | | |

CARBIDE TIPPED HAMMER DRILLS PROFESSIONAL QUALITY

Ref. BW6

DIN
8039Professional
series

| SHORT SERIES | | | | LONG SERIES | | | | | |
|--------------|---------|--------------|-------|--------------|--------|--------------|------------|--------------|-------|
| D1 mm | | L1x L2 mm | € | 150 mm | | 200 mm | | | |
| | | | | L1x L2 mm | € | L1x L2 mm | € | L1x L2 mm | € |
| 3,0 | BW603 | 70x30 | 3,59 | | | | | | |
| 3,5 | BW60350 | 70x30 | 3,86 | | | | | | |
| 4,0 | BW604 | 70x30 | 3,59 | | | | | | |
| 4,5 | BW60450 | 85x45 | 3,88 | | | | | | |
| 5,0 | BW605 | 85x45 | 3,64 | BW605X150 | 150x80 | 5,01 | | | |
| 5,5 | BW60550 | 85x45 | 3,95 | | | | | | |
| 6,0 | BW606 | 100x50 | 4,02 | BW606X150 | 150x80 | 5,54 | BW606X200 | 200x140 | 7,32 |
| 6,5 | BW60650 | 100x50 | 4,59 | | | | | | |
| 7,0 | BW607 | 100x50 | 4,62 | BW607X150 | 150x80 | 6,49 | | | |
| 8,0 | BW608 | 120x70 | 4,88 | BW608X150 | 150x80 | 7,74 | BW608X200 | 200x140 | 8,24 |
| 9,0 | BW609 | 120x70 | 6,00 | | | | | | |
| 10,0 | BW610 | 120x70 | 6,86 | BW610X150 | 150x80 | 10,12 | BW610X200 | 200x140 | 11,00 |
| 11,0 | BW611 | 150x80 | 8,93 | | | | | | |
| 12,0 | BW612 | 150x80 | 10,52 | | | | BW612X200 | 200x140 | 12,76 |
| 13,0 | BW613* | 150x80 | 12,72 | | | | | | |
| 14,0 | BW614* | 150x80 | 15,37 | | | | BW614X200* | 200x140 | 21,07 |
| 15,0 | BW615* | 160x80 | 17,87 | | | | | | |
| 16,0 | BW616* | 160x80 | 19,47 | | | | BW616X200* | 200x140 | 24,46 |
| 18,0 | BW618* | 160x80 | 24,28 | | | | BW618X200* | 200x140 | 31,33 |
| 20,0 | BW620* | 160x80 | 31,81 | | | | | | |
| 22,0 | BW622* | 160x80 | 36,11 | | | | | | |
| 24,0 | BW624* | 160x80 | 56,90 | | | | | | |
| 25,0 | BW625* | 160x80 | 58,29 | | | | | | |

EXTRA LONG SERIES

| 300 mm | | | 400 mm | | | 600 mm | | | 1000 mm | | |
|----------|------------|--------------|---------|--------------|---------|--------------|------------|--------------|---------|--------------|----------|
| D1 mm | | L1x L2 mm | € | L1x L2 mm | € | L1x L2 mm | € | L1x L2 mm | € | L1x L2 mm | € |
| 6,0 | BW606X300 | 300x200 | 11,09 | BW606X400 | 400x300 | 12,53 | BW606X600 | 600x500 | 20,45 | | |
| 8,0 | BW608X300 | 300x200 | 12,23 | BW608X400 | 400x300 | 12,79 | BW608X600 | 600x500 | 25,56 | | |
| 10,0 | BW610X300 | 300x200 | 12,97 | BW610X400 | 400x300 | 16,99 | BW610X600 | 600x500 | 25,99 | | |
| 12,0 | BW612X300 | 300x200 | 16,74 | BW612X400 | 400x300 | 21,32 | BW612X600 | 600x500 | 32,66 | BW612X1000 | 1000x900 |
| 13,0 | BW613X300* | 300x200 | 19,59 | BW613X400* | 400x300 | 25,68 | | | | BW613X1000* | 1000x900 |
| 14,0 | BW614X300* | 300x200 | 23,82 | BW614X400* | 400x300 | 27,88 | BW614X600* | 600x500 | 38,98 | BW614X1000* | 1000x900 |
| 15,0 | BW615X300* | 300x200 | 27,13 | BW615X400* | 400x300 | 32,60 | BW615X600* | 600x500 | 48,64 | BW615X1000* | 1000x900 |
| 16,0 | BW616X300* | 300x200 | 29,46 | BW616X400* | 400x300 | 32,60 | BW616X600* | 600x500 | 46,76 | BW616X1000* | 1000x900 |
| 17,0 | | | | | | | | | | BW617X1000* | 1000x900 |
| 18,0 | | | | BW618X400* | 400x300 | 40,52 | BW618X600* | 600x500 | 59,83 | BW618X1000* | 1000x900 |
| 20,0 | BW620X300* | 300x200 | 42,56** | BW620X400* | 400x300 | 45,85 | BW620X600* | 600x500 | 70,13 | BW620X1000* | 1000x900 |
| 22,0 | | | | BW622X400* | 400x300 | 58,12 | BW622X600* | 600x500 | 87,73 | BW622X1000* | 1000x900 |
| 24,0 | BW624X300* | 300x200 | 57,24** | BW624X400* | 400x300 | 69,93 | BW624X600* | 600x500 | 107,46 | BW624X1000* | 1000x900 |
| 25,0 | BW625X300* | 300x200 | 61,35** | BW625X400* | 400x300 | 75,06 | BW625X600* | 600x500 | 115,66 | BW625X1000* | 1000x900 |
| 26,0 | | | | | | | | | | BW626X1000* | 1000x900 |
| 28,0 | | | | | | | | | | BW628X1000* | 1000x900 |
| 30,0 | | | | | | | | | | BW630X1000* | 1000x900 |

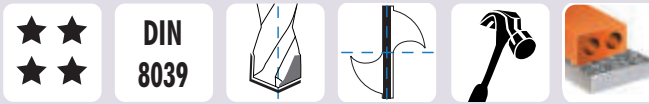


From Ø 13 mm all the drills have reduced shank

** Till end of stock

CARBIDE TIPPED HAMMER DRILLS PROFESSIONAL QUALITY IN PLASTIC BOXES

Ref. BW6



Professional series

Construction drill bits

Grey



| REFERENCE | BW69325 | BW69328 | BW69318 | BW69327 |
|-----------|---------------------|---------------------|------------------------|-------------------------|
| QUANTITY | 4 | 4 | 5 | 5 |
| QUALITY | PROFESSIONAL SERIES | PROFESSIONAL SERIES | PROFESSIONAL SERIES | PROFESSIONAL SERIES |
| CONTENT | Ø 4 - 5 - 6 - 8 mm | Ø 5 - 6 - 8 - 10 mm | Ø 3 - 4 - 5 - 6 - 8 mm | Ø 4 - 5 - 6 - 8 - 10 mm |
| PRICE € | 21,60 | 26,19 | 25,09 | 28,22 |



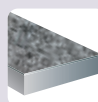
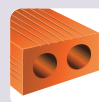
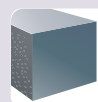
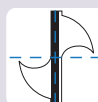
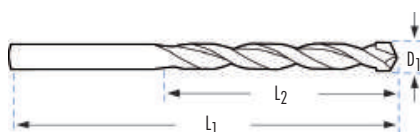
| REFERENCE | BW69434 | BW69319 |
|-----------|----------------------------------|-------------------------------------|
| QUANTITY | 7 | 8 |
| QUALITY | PROFESSIONAL SERIES | PROFESSIONAL SERIES |
| CONTENT | Ø 4 - 5 - 6 - 7 - 8 - 10 - 12 mm | Ø 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 mm |
| PRICE € | 46,25 | 44,71 |

CUTTING SPEED R.P.M.

| | Ø 3 | Ø 5 | Ø 8 | Ø 10 | Ø 12 | | Ø 3 | Ø 5 | Ø 8 | Ø 10 | Ø 12 |
|---------------|------|------|------|------|------|---------------|------|------|-----|------|------|
| Soft material | | | | | | Hard material | | | | | |
| Brick | | | | | | Marble | | | | | |
| Sandstone | | | | | | Cement | | | | | |
| Plaster | 3200 | 1900 | 1300 | 1100 | 900 | Concrete | 2100 | 1200 | 900 | 700 | 600 |
| Gypsum | | | | | | Blackboard | | | | | |
| Asbestos | | | | | | Limestone | | | | | |
| | | | | | | Granite | | | | | |

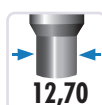
CARBIDE TIPPED CONCRETE HAMMER DRILL EXTRA PROFESSIONAL QUALITY

Ref. BW16

Extra
Professional
series

| SHORT SERIES | | | | LONG SERIES | | | EXTRA LONG SERIES | | | | | | | |
|--------------|---------|--------------|-------|-------------|--------------|--------|-------------------|--------------|-------|-------------|--------------|-------|--|--|
| D1 mm | | L1x L2 mm | € | 150 mm | | 200 mm | | 400 mm | | | | | | |
| | | | | | L1x L2 mm | € | | L1x L2 mm | € | | L1x L2 mm | € | | |
| 4,0 | BW1604 | 75x38 | 3,87 | | | | | | | | | | | |
| 5,0 | BW1605 | 85x45 | 3,90 | BW1605X150 | 150x100 | 5,40 | | | | | | | | |
| 6,0 | BW1606 | 100x55 | 4,31 | BW1606X150 | 150x100 | 5,96 | BW1606X200 | 200x150 | 7,88 | | | | | |
| 7,0 | BW1607 | 100x55 | 4,97 | | | | | | | | | | | |
| 8,0 | BW1608 | 120x70 | 5,51 | BW1608X150 | 150x100 | 8,75 | BW1608X200 | 200x150 | 9,31 | | | | | |
| 9,0 | BW1609 | 120x70 | 6,78 | | | | | | | | | | | |
| 10,0 | BW1610 | 120x70 | 7,76 | BW1610X150 | 150x100 | 11,45 | BW1610X200 | 200x150 | 12,44 | | | | | |
| 12,0 | BW1612 | 150x80 | 11,89 | | | | BW1612X200 | 200x150 | 14,44 | | | | | |
| 14,0 | BW1614* | 150x80 | 17,38 | | | | BW1614X200* | 200x150 | 23,83 | | | | | |
| 16,0 | BW1616* | 150x80 | 22,03 | | | | BW1616X200* | 200x150 | 27,67 | | | | | |
| 18,0 | BW1618* | 160x80 | 27,46 | | | | | | | BW1618X400* | 400x350 | 45,82 | | |
| 20,0 | BW1620* | 160x80 | 35,97 | | | | | | | BW1620X400* | 400x350 | 51,84 | | |

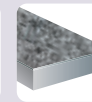
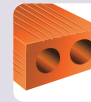
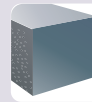
* From 13 mm Ø all the drills have reduced shank



| REFERENCE | BW169325 | BW169327 | BW169434 |
|-----------|--------------------|-------------------------|----------------------------------|
| QUANTITY | 4 | 5 | 7 |
| QUALITY | EXTRA-PROFESSIONAL | EXTRA-PROFESSIONAL | EXTRA-PROFESSIONAL |
| CONTENT | Ø 4 - 5 - 6 - 8 mm | Ø 4 - 5 - 6 - 8 - 10 mm | Ø 4 - 5 - 6 - 7 - 8 - 10 - 12 mm |
| PRICE € | 23,22 | 30,33 | 49,71 |

THREE EDGE MASONRY DRILL BIT DELTA 3 PLUS

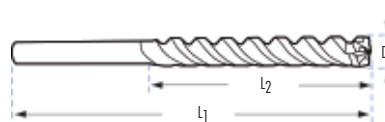
Ref. BW35



- Drill always with percussion mode
- Innovative geometry of the tip. 3 edge monoblock tip
- Centered, Rounded and accurate holes
- 3 flutes for an improved dust removal and an improved lifetime of the drill bit
- Minimum wear of the drill bit
- Less effort and higher performance



STANDARD



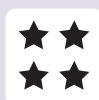
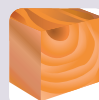
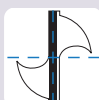
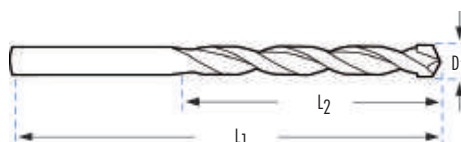
| SHORT SERIES | | | | LONG SERIES | | |
|--------------|--------|-----------|-------|-------------|-----------|-------|
| | | | | 200 mm | | |
| D1 mm | | L1x L2 mm | € | | L1x L2 mm | € |
| 5 | BW3505 | 90x50 | 5,06 | BW3505X150 | 150x100 | 8,95 |
| 6 | BW3506 | 100x60 | 5,10 | BW3506X150 | 150x100 | 9,12 |
| 8 | BW3508 | 120x80 | 6,29 | BW3508X200 | 200x150 | 11,15 |
| 10 | BW3510 | 120x80 | 8,37 | BW3510X200 | 200x150 | 14,78 |
| 12 | BW3512 | 130x90 | 11,79 | BW3512X200 | 200x150 | 16,09 |



| | |
|-----------|---------------------|
| REFERENCE | BW359328 |
| QUANTITY | 4 |
| QUALITY | DELTA 3 PLUS |
| CONTENT | Ø 5 - 6 - 8 - 10 mm |
| PRICE € | 30,88 |

CARBIDE TIPPED MULTI-PURPOSE HAMMER DRILLS

Ref. BW8

DIN
8039Multi
purpose
Professional

| | | | BW8 |
|-----------|----------|---------------|-------|
| | D1 mm | L1 x L2 mm | € |
| BW804 | 4 | 70 x 30 | 7,44 |
| BW805 | 5 | 85 x 45 | 7,55 |
| BW806 | 6 | 100 x 50 | 8,65 |
| BW806X150 | 6 | 150 x 50 | 10,36 |
| BW807 | 7 | 100 x 50 | 9,93 |
| BW808 | 8 | 120 x 70 | 10,92 |
| BW808X150 | 8 | 150 x 70 | 12,36 |
| BW809 | 9 | 120 x 70 | 12,49 |
| BW810 | 10 | 120 x 70 | 16,12 |
| BW810X150 | 10 | 150 x 70 | 18,12 |
| BW812 | 12 | 150 x 80 | 17,29 |



| REFERENCE | BW89325 | BW89328 | BW89327 | BW89434 |
|-----------|--------------------|---------------------|-------------------------|----------------------------------|
| QUANTITY | 4 | 4 | 5 | 7 |
| QUALITY | MULTIPURPOSE PROF. | MULTIPURPOSE PROF. | MULTIPURPOSE PROF. | MULTIPURPOSE PROF. |
| CONTENT | Ø 4 - 5 - 6 - 8 mm | Ø 5 - 6 - 8 - 10 mm | Ø 4 - 5 - 6 - 8 - 10 mm | Ø 4 - 5 - 6 - 7 - 8 - 10 - 12 mm |
| PRICE € | 37,70 | 48,28 | 53,93 | 83,51 |

SDS PLUS HAMMER DRILL WITH STOPPER FOR PREVIOUS HOLES FOR METALLIC ANCHORAGES



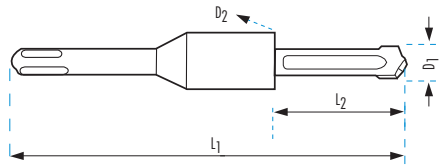
- Carbide tipped monoblock with self-centering.
- Hole centering, prevents the slide effect. More accuracy.
- Straight extraction flute. In short length the extraction volume is increased
- Depth stopper, control of the hole length
- Stopper which allows repetitive drill operations with full accuracy
- Better quality of the hole.

APPLICATIONS:

- Special for works with repetitive drilling operations which require depth control.
- Appropriate for the previous holes for placing metallic anchorages in concrete.
- Allows the assembly of fastening systems which require accurate and regular holes.
- Commonly used to install grandstands, refrigeration systems, rack systems, etc.

VERY IMPORTANT:

The material to drill must be solid, Concrete, Reinforced Concrete, Stone, Brick. If the previous hole is made in a lightweight material the anchorage will not bear up.



| | D1 mm | L1 mm | D2 mm | L2 mm | Thread Anchorage | WT € |
|---------|----------|----------|----------|----------|---------------------|---------|
| WT08x27 | 8 | 103 | 16 | 27 | M6 | 24,98 |
| WT10x33 | 10 | 103 | 22 | 33 | M8 | 28,12 |
| WT12x43 | 12 | 113 | 22 | 43 | M10 | 30,87 |
| WT15x54 | 15 | 128 | 22 | 54 | M12 | 39,61 |



- Metal threaded anchorages, wedge anchor
Special for solid materials.

METAL THREADED ANCHORAGES

| INTERNAL THREAD | PREVIOUS HOLE Ø (mm) | ANCHORAGE LENGTH (mm) |
|-----------------|-------------------------|--------------------------|
| M6 | 8 | 25 |
| M8 | 10 | 30 |
| M10 | 12 | 40 |
| M12 | 15 | 50 |

PROFESSIONAL HAMMER DRILL BITS SDS PLUS

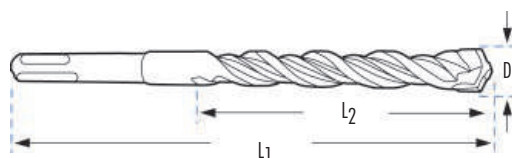
Ref. W08



- Self centering carbided tipped point.
- Higher durability.
- Spiral flutes for improved dust removal.
- Accurate drill holes thanks to reduced friction.
- Long lifetime thanks to minimum friction in flutes and head point.
- Easier drilling thanks to higher dust removal.
- For use in rotary hammer machines with SDS PLUS shank.

APPLICATIONS:

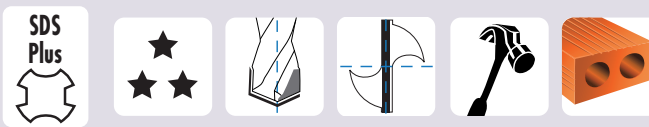
- Concrete and construction materials, marble, granite, blackboard, stone.



| D1 mm | W08 | | | | | | | | | |
|----------|--------------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|
| | L1 x L2 (mm) | | | | | | | | | |
| | 110x50 | 160x100 | 200x150 | 250x200 | 300x250 | 450x400 | 600x550 | 800x750 | 1000x950 | 1400x1350 |
| | € | € | € | € | € | € | € | € | € | € |
| 3,00 | 6,13 | 6,13 | | | | | | | | |
| 3,50 | 6,19 | | | | | | | | | |
| 4,00 | 6,51 | 7,03 | | | | | | | | |
| 5,00 | 5,33 | 6,78 | 10,77 | 12,92 | 13,77 | 18,86 | | | | |
| 5,50 | 6,22 | 7,23 | 12,91 | 15,72 | | | | | | |
| 6,00 | 5,49 | 6,33 | 9,52 | 13,31 | 18,38 | 20,66 | | | | |
| 6,50 | 6,57 | 7,13 | 14,77 | 15,13 | 19,48 | 21,57 | | | | |
| 7,00 | 6,91 | 7,63 | 10,82 | | | 28,84 | | | | |
| 8,00 | 6,73 | 6,96 | 8,60 | 11,52 | 18,83 | 25,66 | 44,63 | | | |
| 9,00 | | 8,79 | 10,75 | 13,08 | | | | | | |
| 10,00 | 7,22 | 8,65 | 10,48 | 12,65 | 17,36 | 27,53 | 40,44 | 73,32 | 95,79 | |
| 11,00 | | 10,10 | 11,25 | 14,63 | | | | | | |
| 12,00 | | 9,70 | 11,93 | 14,68 | 21,81 | 27,81 | 41,57 | | 92,42 | |
| 13,00 | | 10,52 | 13,89 | 18,77 | | | | | | |
| 14,00 | | 13,31 | 17,20 | 18,93 | 23,34 | 30,86 | 45,86 | | 108,66 | |
| 15,00 | | 17,66 | | 22,86 | | 37,58 | | | | |
| 16,00 | | | 21,54 | 22,77 | 25,01 | 36,70 | 49,29 | 78,94 | 123,36 | 174,56 |
| 17,00 | | | 28,92 | | | | | | | |
| 18,00 | | | 29,14 | | 37,48 | 41,90 | 66,54 | | 128,38 | 185,80 |
| 19,00 | | | 35,59 | | 44,07 | | | | | |
| 20,00 | | | 33,31 | | 43,96 | 54,23 | 75,12 | | 132,87 | 207,03 |
| 22,00 | | | | 41,80 | | 60,04 | 85,80 | | 134,11 | 241,86 |
| 24,00 | | | | 49,15 | | 74,55 | | | 175,68 | |
| 25,00 | | | | 52,69 | | 68,21 | 95,60 | | 148,60 | 271,07 |
| 26,00 | | | | 55,17 | | 86,33 | | | | 298,16 |
| 28,00 | | | | 127,34 | | 136,86 | 163,21 | | 208,15 | 320,63 |
| 30,00 | | | | 152,52 | | 174,84 | 220,63 | | 288,04 | |

PROFESSIONAL HAMMER DRILL BITS SDS PLUS

Ref. W08



Construction drill bits

Grey

W08 DRILLS 10 UNITS BOX



| Ø mm | 10 U. | | |
|---------|--------------|--------------|--------------|
| | L1 x L2 (mm) | | |
| | 110x50 € | 160x100 € | 200x150 € |
| 5,0 | 50,68 | 64,34 | |
| 6,0 | 52,14 | 60,12 | 90,33 |
| 8,0 | 65,75 | 66,28 | 83,60 |
| 10,0 | 70,35 | 82,15 | 99,68 |
| 12,0 | | 92,03 | 113,38 |

Ex. W0806X110-10

W08 DRILLS 50 UNITS BOX



| Ø mm | 50 U. |
|---------|------------------------------|
| | L1 x L2 (mm) 160x100 € |
| 6,0 | 281,41 |
| 8,0 | 295,08 |

Ex. W0806X160-50



| REFERENCE | W08D9358 | W08D9412 | W08D9319 | W08D9320 |
|-----------|------------------------|-----------------------------------|------------------------|----------------------------------|
| QUANTITY | 4 | 6 | 4 | 5 |
| CONTENT | Ø 5 -6 -8 -10 x 110 mm | Ø 5-6-8x110 mm Ø 6-8-10x160 mm | Ø 5 -6 -8 -10 x 160 mm | Ø 5-6-x110 mm Ø 6-8-10x160 mm |
| PRICE € | 30,38 | 46,51 | 34,34 | 39,34 |



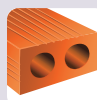
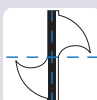
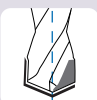
| REFERENCE | W08D0080 | W08D0708 |
|-----------|--|---|
| QUANTITY | 7 | 6 |
| CONTENT | Ø 5-6-8 x 110 mm Ø 6-8-10-12 x 160 mm | Ø 6 x 110 mm Ø 6-8-10-12-14 x 160 mm |
| PRICE € | 57,05 | 58,30 |

PROFESSIONAL HAMMER DRILL BITS SDS PLUS

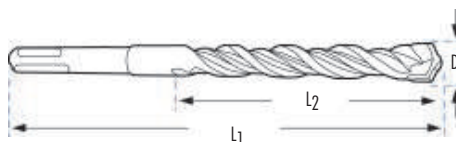
Construction drill bits

Grey

Ref. W05

Professional
series

- Self centering high performance carbided tipped point.
 - Higher drilling speed and better durability.
 - 4 spiral flutes for faster drilling and fast dust removal.
 - Accurate drill holes thanks to reduced friction.
 - Longer lifetime thanks to minimum friction in flutes and head point.
 - Easier drilling thanks to faster drilling and dust removal.
 - For use in rotary hammer machines with SDS PLUS shank.
- APPLICATIONS:
- Concrete and construction materials, marble, granite, blackboard, stone.



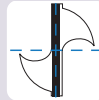
W05

| D1 mm | L1 x L2 (mm) | | | | | | | | | |
|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | 110x50 € | 160x100 € | 200x150 € | 250x200 € | 300x250 € | 400x350 € | 450x400 € | 600x550 € | 800x750 € | 1000x950 € |
| 3,00 | | 19,32 * | | | | | | | | |
| 3,50 | 15,04 * | 15,40 * | | | | | | | | |
| 4,00 | 7,23 | 12,32 | | | | | | | | |
| 5,00 | 5,93 | 7,54 | 11,97 | 16,02 | 18,26 | | 37,37 * | | | |
| 5,50 | 6,92 | 8,02 | 14,35 | 20,04 * | | | | | | |
| 6,00 | 6,10 | 7,04 | 10,58 | 15,70 | 21,63 | | 35,63 | | | |
| 6,50 | 7,78 | 8,60 | 16,41 | 16,80 | | | | | | |
| 7,00 | 7,78 | 8,60 | 13,78 | 18,13 | 22,91 | | 32,65 * | | | |
| 8,00 | 7,67 | 7,74 | 9,78 | 14,23 | 21,72 | 26,36 | 28,51 | 49,58 | | 106,36 |
| 9,00 | | 9,92 | 12,67 | 14,53 * | | | | | | |
| 9,50 | | 12,20 | | | | | | | | |
| 10,00 | 8,24 | 9,60 | 11,65 | 14,74 | 19,81 | 28,25 | 30,59 | 44,93 | | 117,82 |
| 11,00 | | 11,88 | 14,45 | 16,25 * | 22,95 | | | | | |
| 12,00 | | 10,77 | 13,25 | 16,31 | 24,23 | 30,02 | 31,75 | 46,35 | | 119,36 |
| 13,00 | | 16,99 | 22,12 | 22,83 | 24,36 | 27,25 | 36,36 | | | |
| 14,00 | | 18,77 | 19,12 | 21,35 | 28,52 | 30,25 | 34,28 | 50,94 | | 120,73 |
| 15,00 | | 19,62 | 23,36 | 25,41 | 36,36 | | 41,75 * | | | |
| 16,00 | | 21,21 | 23,93 | 26,32 | 29,79 | 36,36 | 40,77 | 54,77 | | 137,07 |
| 17,00 | | | 32,14 * | | 54,07 * | | 58,83 * | | | |
| 18,00 | | | 32,38 | 34,25 | 43,15 | 45,36 | 46,56 | 75,34 | | 164,19 |
| 19,00 | | | 39,56 * | | 48,97 * | | 63,36 * | | | |
| 20,00 | | | 37,00 | 39,36 | 50,85 | 55,36 | 60,25 | 83,46 | | 172,82 |
| 22,00 | | | 44,25 | 50,16 | 55,36 | 61,25 | 66,72 | 108,49 | | 177,61 |
| 24,00 | | | 56,31 | 58,99 | 65,36 | 75,75 | 82,84 | 108,36 | | |
| 25,00 | | | 59,79 | 63,22 | 73,40 | 82,36 | 86,36 | 110,40 | | 194,56 |
| 26,00 | | | | 66,20 * | 83,99 | | 95,91 | 119,36 | 135,37 * | |
| 28,00 | | | | | 166,36 | | 175,36 | | | |
| 30,00 | | | | | | | 222,25 | | | |

* Till end of stock

PROFESSIONAL HAMMER DRILL BITS SDS PLUS

Ref. W05



Professional series

Construction drill bits

Grey

W05 DRILLS 10 UNITS BOX



| Ø mm | 10 U. | | | | |
|------|--------------|---------|---------|---------|---------|
| | L1 x L2 (mm) | | | | |
| | 110x50 | 160x100 | 210x150 | 250x200 | 300x250 |
| | € | € | € | € | € |
| 4,0 | 65,07 | | | | |
| 5,0 | 53,37 | 67,86 | | | |
| 6,0 | 54,90 | 63,36 | 95,22 | 141,30 | 194,67 |
| 7,0 | | 77,40 | | | |
| 8,0 | 69,03 | 69,66 | 88,02 | 128,07 | 195,48 |
| 10,0 | 74,16 | 86,40 | 104,85 | 132,66 | 178,29 |
| 12,0 | | 96,93 | 119,25 | 146,79 | 218,07 |
| 14,0 | | 168,93 | 172,08 | 192,15 | 256,71 |
| 16,0 | | 190,89 | 215,37 | 236,88 | 268,11 |

Ex. W0506X110-10

W05 DRILLS 50 UNITS BOX



| Ø mm | 50 U. | | | | |
|------|--------------|---------|---------|---------|----------|
| | L1 x L2 (mm) | | | | |
| | 110x50 | 160x100 | 200x150 | 250x200 | 300x250 |
| | € | € | € | € | € |
| 4,0 | 307,28 | | | | |
| 5,0 | 252,03 | 320,45 | | | |
| 6,0 | 259,25 | 299,20 | 449,65 | 667,25 | 919,28 |
| 7,0 | | 365,50 | | | |
| 8,0 | 325,98 | 328,95 | 415,65 | 604,78 | 923,10 |
| 10,0 | | 408,00 | 495,13 | 626,45 | 841,93 |
| 12,0 | | 457,73 | 563,13 | 693,18 | 1.029,78 |
| 14,0 | | 797,74 | 812,60 | 907,38 | 1.212,23 |

Ex. W0506X160-50



| REFERENCE | W05D9358 | W05D9412 | W05D9319 | W05D9320 |
|-----------|---------------------------|---|---------------------------|---|
| QUANTITY | 4 | 6 | 4 | 5 |
| CONTENT | Ø 5 - 6 - 8 - 10 x 110 mm | Ø 5 - 6 - 8 x 110 mm Ø 6 - 8 - 10 x 160 mm | Ø 5 - 6 - 8 - 10 x 160 mm | Ø 5 - 6 x 110 mm Ø 6 - 8 - 10 x 160 mm |
| PRICE € | 33,56 | 51,10 | 37,53 | 42,97 |



| REFERENCE | W05D0080 | W05D0708 |
|-----------|--|---|
| QUANTITY | 7 | 6 |
| CONTENT | Ø 5 - 6 - 8 x 110 mm Ø 6 - 8 - 10 - 12 x 160 mm | Ø 6 x 110 mm Ø 6 - 8 - 10 - 12 - 14 x 160 mm |
| PRICE € | 62,72 | 66,50 |

4 EDGE HAMMER DRILL BITS (OPTIMAL CENTERING)

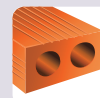
Construction drill bits

Grey

Ref. W55



4 Z

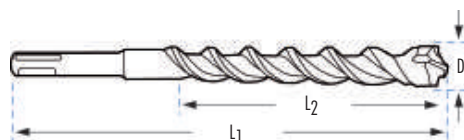
Extra
Professional
series

4 EDGES

- 4 Carbide edges. High performance.
- Higher efficiency.
- Centering of the drill, accurate holes and finishing.
- Higher lifetime due to reduced friction.
- For use in rotary hammer machines with SDS PLUS shank.

APPLICATIONS:

- Concrete and construction materials, marble, granite, blackboard, stone.



W55



| D1 mm | L1 x L2 mm | | | | | | | | | |
|----------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | 110x50 € | 160x100 € | 210x160 € | 250x200 € | 300x250 € | 350x300 € | 460x410 € | 600x550 € | 800x750 € | 1000x950 € |
| 5,0 | 8,24 | 10,26 | 15,39 | 17,67 | 23,17 | | | | | |
| 5,5 | 9,06 | 11,29 | 16,93 | 19,44 | | | | | | |
| 6,0 | 8,45 | 10,27 | 14,17 | 16,96 | 23,26 | | 37,98 | | | |
| 6,5 | 10,20 | 10,80 | 17,99 | 18,35 | 23,40 | | 37,21 | | | |
| 7,0 | 11,22 | 11,88 | 18,11 | 20,18 | | | 40,92 | | | |
| 8,0 | 10,65 | 10,87 | 15,45 | 17,60 | 25,12 | | 36,62 | 61,29 | | |
| 9,0 | | 11,95 | 17,01 | | | | | | | |
| 10,0 | 11,42 | 13,23 | 17,28 | 20,31 | 29,33 | 36,36 | 40,43 | 58,89 | 120,66 | 128,78 |
| 11,0 | | 14,55 | 19,01 | 22,34 | | | | | | |
| 12,0 | | 14,94 | 18,39 | 22,92 | 30,79 | 36,36 | 44,06 | 67,58 | | 123,42 |
| 13,0 | | 17,36 | 23,29 | 25,21 | | | | | | |
| 14,0 | | 21,92 | 26,50 | 29,63 | 35,96 | 39,55 | 47,57 | 72,44 | | 137,87 |
| 15,0 | | 24,11 | | 32,58 | | | 52,33 | | | |
| 16,0 | | | 35,11 | 36,22 | 39,73 | 44,22 | 56,13 | 78,38 | 103,91 | 145,93 |
| 17,0 | | | 38,62 | | 43,70 | | | | | |
| 18,0 | | | 40,85 | 50,46 | 57,58 | | 64,07 | 107,83 | | 174,81 |
| 19,0 | | | 46,35 | | 63,34 | | 70,48 | | | |
| 20,0 | | | 52,09 | 54,01 | 68,82 | | 82,95 | 119,47 | | 183,99 |
| 22,0 | | | | 62,65 | | | 91,82 | 149,30 | | 189,09 |
| 24,0 | | | | 73,69 | | | 114,01 | 166,11 | | 202,25 |
| 25,0 | | | | 92,42 | | | 104,30 | 173,25 | | 215,42 |
| 26,0 | | | | 158,71 | | | 166,57 | | | |
| 28,0 | | | | 168,34 | | | 180,91 | 222,48 | | 220,69 |
| 30,0 | | | | 201,65 | | | 231,12 | 284,23 | | 275,75 |
| 32,0 | | | | 205,92 | | | 224,78 | | | |
| 35,0 | | | | 211,80 | | | 258,67 | | | |
| 38,0 | | | | 231,79 | | | 298,40 | | | |
| 40,0 | | | | 272,70 | | | 340,33 | | | |

4 EDGE HAMMER DRILL BITS (OPTIMAL CENTERING)

Ref. W55



4 Z



Extra
Professional
series

W55 DRILLS 10 UNITS BOX



| Ø mm | 10 U. | | |
|---------|--------------|--------------|--------------|
| | L1 x L2 (mm) | | |
| | 110x50 € | 160x100 € | 210x150 € |
| 5,0 | 78,26 | 97,47 | |
| 6,0 | 80,26 | 97,58 | 134,66 |
| 8,0 | 101,24 | 103,24 | 146,87 |
| 10,0 | 108,46 | 125,66 | 164,18 |
| 12,0 | | 141,87 | 174,73 |

Ex. W5506X110-10

W55 DRILLS 50 UNITS BOX



| Ø mm | 50 U. |
|---------|-------------------|
| | L1 x L2 (mm) € |
| 6,0 | 472,48 |
| 8,0 | 499,91 |

Ex. W5506X160-50



| REFERENCE | W55D9358 | W55D9412 | W55D9319 | W55D9320 |
|-----------|------------------------|-----------------------------------|------------------------|----------------------------------|
| QUANTITY | 4 | 6 | 4 | 5 |
| QUALITY | EXTRA PROFESSIONAL | EXTRA PROFESSIONAL | EXTRA PROFESSIONAL | EXTRA PROFESSIONAL |
| CONTENT | Ø 5 -6 -8 -10 x 110 mm | Ø 5-6-8x110 mm Ø 6-8-10x160 mm | Ø 5 -6 -8 -10 x 160 mm | Ø 5-6-x110 mm Ø 6-8-10x160 mm |
| PRICE € | 44,38 | 68,73 | 50,24 | 57,62 |



| REFERENCE | W55D0080 | W55D0708 |
|-----------|--|---|
| QUANTITY | 7 | 6 |
| QUALITY | EXTRA PROFESSIONAL | EXTRA PROFESSIONAL |
| CONTENT | Ø 5-6-8 x 110 mm Ø 6-8-10-12 x 160 mm | Ø 6 x 110 mm Ø 6-8-10-12-14 x 160 mm |
| PRICE € | 84,51 | 87,53 |

DELTATOP PROFESSIONAL HAMMER DRILL BITS SDS PLUS SHANK WITH 3 CUTTING EDGE SOLID CARBIDE HEAD

Construction drill bits
Grey

Ref. W88



Improved drilling in reinforced concrete.

Drills into a concrete steel rebar when it does not cover more than 1/3 of the tip.

Exclusive features that offer superior performance to any other drill bit and reduces the cost per hole.

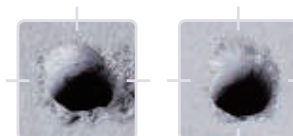
Penetrate through sheet plates.

Drill into metal deck plate up to 1mm thick and then concrete.

Innovative carbide head welding technology.

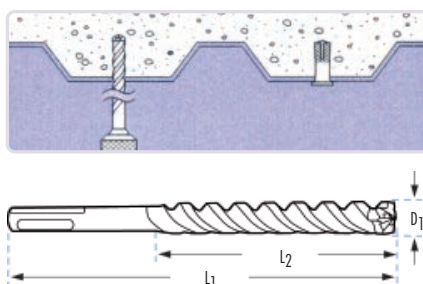
Supports continuous and great efforts and pressure in reinforced concrete.

APPLICATIONS: Granite, marble, concrete, stone, brick.



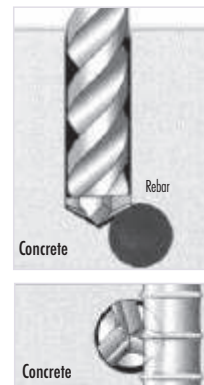
Standard drill

DeltaTOP drill



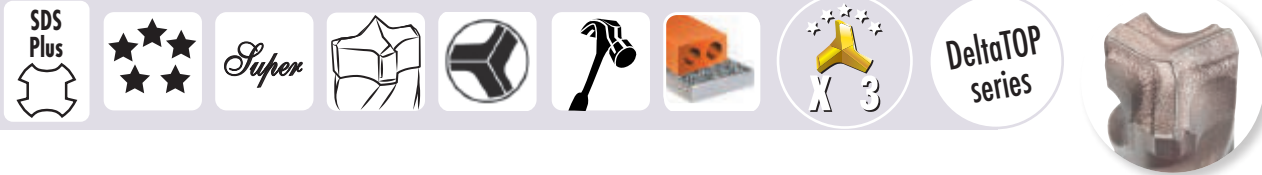
| D1 mm | L1 x L2 mm | | | | | | | | W88 |
|-------|------------|---------|---------|---------|---------|---------|---------|---------|-----|
| | 120x50 | 170x100 | 220x150 | 270x200 | 320x250 | 370x300 | 470x400 | 600x550 | |
| | € | € | € | € | € | € | € | € | € |
| 3,00 | 11,46 * | 11,91 * | | | | | | | |
| 4,00 | 11,46 * | 11,91 * | | | | | | | |
| 5,00 | 10,81 | 12,10 | 21,16 * | | 29,71 * | | | | |
| 6,00 | 11,02 | 11,98 | 18,42 | 20,42 | 25,59 | | 42,49 * | | |
| 6,50 | 13,64 | 14,22 | 18,48 | 24,08 | 29,79 | | | | |
| 7,00 | 12,96 * | 14,23 * | 20,58 * | | 27,01 | | | | |
| 8,00 | 12,78 | 13,35 | 17,14 | 20,09 | 28,18 | 32,67 * | 42,64 | 54,43 | |
| 9,00 | | 15,93 | 19,10 | | 31,20 | | | | |
| 10,00 | 14,97 | 15,58 | 20,02 | 23,27 | 31,83 | 34,66 * | 45,80 | 61,90 | |
| 12,00 | | 20,27 | 23,69 | 27,58 | 31,97 | | 53,52 | 65,30 | |
| 13,00 | | 21,63 | 28,00 | | 39,88 | | | 76,66 | |
| 14,00 | | 29,71 | 34,23 | 37,61 | 39,91 | 50,63 * | 63,50 | 78,65 | |
| 15,00 | | 32,30 | 43,82 | | 41,11 | | | | |
| 16,00 | | 40,98 | 42,82 | 45,34 | 48,94 | | 86,55 | 95,00 | |
| 18,00 | | | 47,70 | 62,59 | 72,36 | | 105,12 | 110,40 | |
| 20,00 | | | 55,88 | 69,19 | 82,04 | | 115,95 | 126,90 | |

* Till end of stock



DELTATOP PROFESSIONAL HAMMER DRILL BITS SDS PLUS SHANK WITH 3 CUTTING EDGE SOLID CARBIDE HEAD

Ref. W88



W88 DRILLS 10 UNITS BOX



| Ø mm | 10 U. | | |
|---------|--------------|--------------|--------------|
| | L1 x L2 (mm) | | |
| | 120x50 € | 170x100 € | 220x150 € |
| 5,0 | 99,48 | 111,31 | |
| 6,0 | 100,30 | 107,81 | 169,49 |
| 8,0 | 117,57 | 122,82 | 157,70 |
| 10,0 | 137,71 | 143,38 | 184,18 |
| 12,0 | | 184,48 | 217,98 |

Ex. W8806X110-10

W88 DRILLS 50 UNITS BOX



| Ø mm | 50 U. | |
|---------|--------------|--|
| | L1 x L2 (mm) | |
| | 170x100 € | |
| 6,0 | 527,08 | |
| 8,0 | 600,74 | |

Ex. W8806X160-50



| REFERENCE | W88D9358 | W88D9412 | W88D9319 | W88D9320 |
|-----------|--------------------------|------------------------------------|--------------------------|----------------------------------|
| CONTENT | (x4) Ø 5-6-8-10 x 110 mm | (x6) Ø 5-6-8x110mm Ø 6-8-10x160 mm | (x4) Ø 5-6-8-10 x 160 mm | (x5) Ø 5-6-x110mm Ø 6-8-10x160mm |
| PRICE € | 55,20 | 82,55 | 58,61 | 69,28 |

| REFERENCE | W88D0080 |
|-----------|---|
| CONTENT | (x7) Ø 5-6-8 x 110 mm Ø 6-8-10-12 x 160 mm |
| PRICE € | 103,67 |



| REFERENCE | W88D0708 |
|-----------|--|
| CONTENT | (x6) Ø 6 x 110 mm Ø 6 - 8 - 10 - 12 - 14 x 160 mm |
| PRICE € | 109,79 |



REINFORCED CONCRETE HAMMER DRILL BITS SDS PLUS SHANK WITH 4 CUTTING EDGE SOLID CARBIDE HEAD

Construction drill bits

Grey

Ref. W77



- 4 cutting edge solid carbide head.
- Maximum performance and durability in reinforced concrete.
- Drill faster and easier in high resistance reinforced concrete, with the best drill.
- SDS-Plus Shank
- Faster dust removal thanks to its 4 flutes
- APPLICATIONS: Reinforced concrete, concrete and masonry.

4 CUTTING EDGE SOLID CARBIDE HEAD

Point specially designed for reinforced concrete.



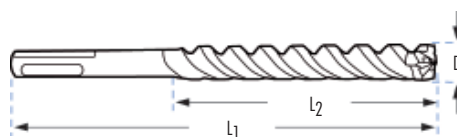
Self-centering 90° angled point for perfectly centered hole



4 flute high performance design increasing dust removal volume and decreasing drill wear



Side wear marks



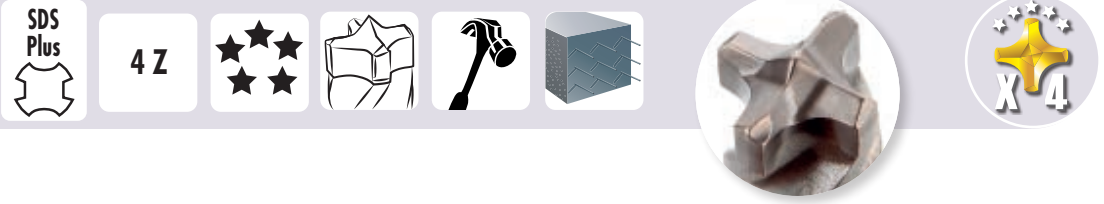
W77



| D1 mm | L1 x L2 mm | | | | | | | | | | |
|----------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | 115x50 € | 165x100 € | 215x150 € | 250x200 € | 265x200 € | 315x250 € | 365x300 € | 450x400 € | 465x400 € | 600x550 € | 1000x950 € |
| 3,50 | 12,13 | 13,65 | | | | | | | | | |
| 4,00 | 13,17 | 13,79 | | | | | | | | | |
| 5,00 | 11,14 | 13,26 | 22,37 | | 22,76 | 28,10 | | 39,08 | | | |
| 5,50 | 12,48 | 14,05 | | | 23,77 | 31,24 | | 42,23 | | | |
| 6,00 | 11,14 | 12,17 | 20,72 | | 22,99 | 26,01 | | 39,08 | | | |
| 6,50 | 14,44 | 15,86 | 18,68 | | 27,48 | 33,36 | | 55,42 | | | |
| 7,00 | 15,22 | 16,64 | 19,30 | | 26,67 | | | | | | |
| 8,00 | 14,44 | 14,60 | 17,43 | | 23,20 | 32,02 | 41,13 | | 49,84 | | |
| 9,00 | | 14,60 | 19,65 | | | | | | | | |
| 10,00 | 16,95 | 17,19 | 20,49 | | 25,82 | 32,16 | 42,29 | | 51,15 | 63,95 | 138,78 |
| 11,00 | | 19,49 | 23,39 | | 27,58 | | | | | | |
| 12,00 | | 20,64 | 24,18 | | 28,38 | 32,31 | 52,12 | | 54,62 | 73,92 | 155,61 |
| 13,00 | | 22,64 | 28,70 | | 34,38 | | | | | | |
| 14,00 | | 30,38 | 34,53 | | 38,46 | 40,74 | 54,22 | | 64,83 | 79,05 | 171,68 |
| 15,00 | | 37,21 | | | 49,92 | | | | 69,28 | | |
| 16,00 | | | 44,27 | | 50,22 | 51,79 | | | 88,22 | 96,73 | 175,21 |
| 17,00 | | | 78,27 | | | 107,88 | | | | | |
| 18,00 | | | | 90,45 | | | | 111,73 | | 144,82 | 291,93 |
| 20,00 | | | | 106,18 | | | | 118,38 | | 234,73 | 334,89 |
| 22,00 | | | | 130,39 | | | | 173,50 | | 234,73 | 354,62 |
| 24,00 | | | | | | | | 193,93 | | | |
| 25,00 | | | | | | | | 197,86 | | 289,62 | 403,13 |
| 28,00 | | | | | | | | 220,38 | | | |
| 30,00 | | | | | | | | 235,49 | | | |

REINFORCED CONCRETE HAMMER DRILL BITS SDS PLUS SHANK WITH 4 CUTTING EDGE SOLID CARBIDE HEAD

Ref. W77



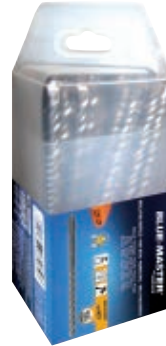
W77 DRILLS 10 UNITS BOX



| Ø mm | 10 U. | | |
|---------|--------------|--------------|--------------|
| | L1 x L2 (mm) | | |
| | 115x50 € | 165x100 € | 215x150 € |
| 5,0 | 100,31 | 119,38 | |
| 6,0 | 100,31 | 109,49 | 186,49 |
| 8,0 | 129,98 | 131,39 | 156,82 |
| 10,0 | 152,58 | 154,70 | 184,37 |
| 12,0 | | 185,78 | 217,57 |

Ex. W7706X110-10

W77 DRILLS 50 UNITS BOX



| Ø mm | 50 U. |
|---------|-------------------|
| | L1 x L2 (mm) € |
| 6,0 | 529,19 |
| 8,0 | 635,04 |

Ex. W7706X160-50



| REFERENCE | W77D9358 | W77D9412 | W77D9319 | W77D9320 |
|-----------|---------------------------|---|---------------------------|---|
| QUANTITY | 4 | 6 | 4 | 5 |
| CONTENT | Ø 5 - 6 - 8 - 10 x 115 mm | Ø 5 - 6 - 8 x 115 mm Ø 6 - 8 - 10 x 165 mm | Ø 5 - 6 - 8 - 10 x 165 mm | Ø 5 - 6 x 115 mm Ø 6 - 8 - 10 x 165 mm |
| PRICE € | 59,31 | 87,70 | 62,84 | 72,81 |

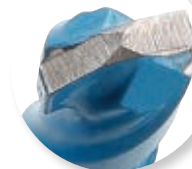


| REFERENCE | W77D0080 | W77D0708 |
|-----------|--|---|
| QUANTITY | 7 | 6 |
| CONTENT | Ø 5 - 6 - 8 x 115 mm Ø 6 - 8 - 10 - 12 x 165 mm | Ø 6 x 115 mm Ø 6 - 8 - 10 - 12 - 14 x 165 mm |
| PRICE € | 109,19 | 113,98 |

DOUBLE FLUTE MULTIFUNCTION CARBIDE TIPPED DRILL FOR SDS PLUS HAMMER

DIN
8039Multi
purpose
Professional

Ref. W99



- SPECIAL SDS PLUS Short Shank which allows drilling light materials.
 - **The Short Shank produces a low impact in the material to drill;** the solution to drill light materials as bricks, tiles, slates...
 - High performance solid carbide tipped special to drill in all kind of materials.
 - Double helix flute to enhance the extraction of the drilling dust.
- APPLICATIONS:
- Low impact geometry to ensure a high performance in materials as tiles, bricks, cellular concrete.
 - Particularly suitable to place anchorages under tiles ensuring the multi drilling; first tile and afterwards the concrete to install the anchorage under the roof.

New SDS PLUS Shank
low impact.

| D1 mm | W99 | | | | |
|----------|---------------|----------------|----------------|----------------|----------------|
| | L1 x L2 mm | | | | |
| | 110 x 60 € | 160 x 110 € | 210 x 160 € | 260 x 210 € | 400 x 350 € |
| 4,00 | 16,28 | 20,94 | | | |
| 5,00 | 10,07 | 12,82 | 20,34 | | |
| 6,00 | 10,37 | 11,96 | 17,98 | 26,68 | |
| 8,00 | 13,05 | 13,15 | 16,63 | 24,18 | |
| 10,00 | 14,00 | 16,32 | 19,80 | 25,07 | |
| 12,00 | | 18,32 | 22,53 | 27,73 | |
| 14,00 | | 29,56 | 32,50 | 36,29 | |
| 16,00 | | 33,13 | 40,68 | 44,73 | 52,36 |
| 18,00 | | | | | 58,36 |
| 20,00 | | | | | 65,21 |
| 22,00 | | | | | 76,36 |



Drills all kind of light building materials.

Particularly suitable to place anchorages under tiles ensuring the multi drilling; first tile and afterwards the concrete to install the anchorage under the roof.

Specially sharpened solid carbide tipped for universal use in a wide variety of materials. Ideal to drill light building materials.

Special SDS PLUS short shank to reduce the impact in light materials avoiding to damage them.

Creation of perfect holes in surfaces where other drills have unexpected breaks.

REBAR CUTTER

Ref. REB



ROTATION



Z
4 -10



1. Use the Rebar cutter with water and only in rotation mode.
2. Once the rebar is cut, remove the metal chips from the hole with a magnet. If not, the hammer drill you will use to drill the concrete, won't be able to work properly.



| | | | | | REB |
|-----------|----------|----------|----------|----|-------|
| | D1 mm | L1 mm | L2 mm | Z | € |
| REB10X300 | 10 | 300 | 80 | 4 | 37,00 |
| REB12X300 | 12 | 300 | 80 | 4 | 40,11 |
| REB14X300 | 14 | 300 | 80 | 4 | 44,17 |
| REB16X300 | 16 | 300 | 80 | 6 | 53,00 |
| REB18X300 | 18 | 300 | 80 | 6 | 56,47 |
| REB20X300 | 20 | 300 | 80 | 6 | 57,78 |
| REB22X300 | 22 | 300 | 80 | 8 | 65,09 |
| REB26X300 | 26 | 300 | 80 | 8 | 70,16 |
| REB28X300 | 28 | 300 | 80 | 10 | 76,75 |
| REB32X300 | 32 | 300 | 80 | 10 | 86,68 |



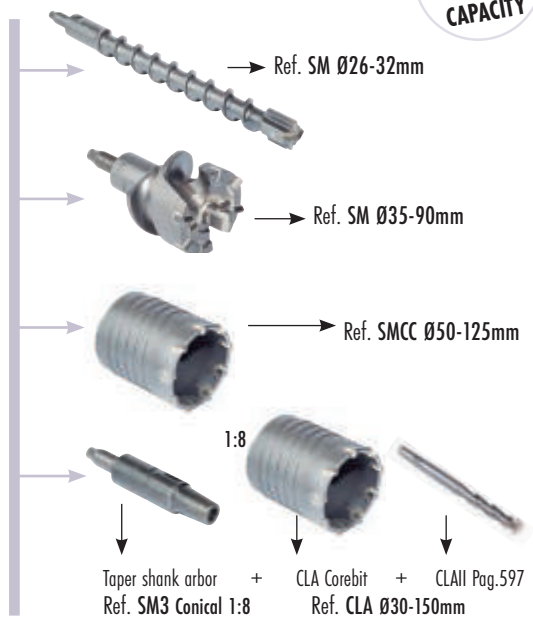
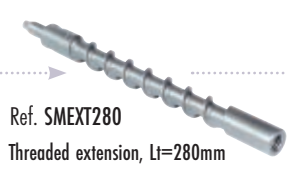
NEW MODULAR DRILLING SYSTEM FOR PROFESSIONAL USE

3.000 mm
CUTTING
CAPACITY



Serie
Modular
Drilling

DRILL easily up to 3 metres depth, in diameters from 26mm to 150mm.
ADD as many extensions as you need to obtain the required drilling length.
COMBINE SDS MAX arbor with extensions, drill bits, drilling heads or core bits to reach extremely long and inaccessible drilling depths.
MAXIMUM RECOMMENDED LENGTH, 3 METERS.



EXAMPLES OF AVAILABLE COMBINATIONS

COMBINATION FOR EXTENDABLE 4-EDGE CONCRETE DRILL BIT, Ø 26-32 mm



COMBINATION FOR EXTENDABLE BREAKTHROUGH DRILL BIT Ø 35-90 mm



COMBINATION FOR EXTENDABLE CORE BIT, Ø 50-125 mm



COMBINATION FOR EXTENDABLE 1:8 TAPER CLAMPING CORE BIT, Ø 30-150 mm



NEW MODULAR DRILLING SYSTEM FOR PROFESSIONAL USE



- For drilling depths greater than 720mm, we recommend using a pre-drill bit equal to at least half the final measurement to avoid breakage.

Serie
Modular
Drilling

SDS MAX THREADED ADAPTER



| SMADMAX | | |
|------------|-------|--------|
| SDS Max | L1 mm | € |
| SMADMAX250 | 250 | 140,20 |
| SMADMAX450 | 450 | 230,07 |
| SMADMAX850 | 850 | 424,18 |

THREADED EXTENSION



| SMEXT | | | |
|----------|-------|-------|--------|
| | L1 mm | D1 mm | € |
| SMEXT280 | 280 | 25 | 181,54 |

- Includes 1 built-in SM2 connecting screw.

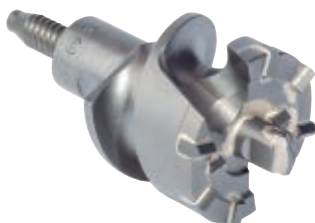
4-EDGE THREADED CONCRETE DRILL BIT



| SM | | | |
|------|-------|-------|--------|
| | D1 mm | L1 mm | € |
| SM26 | 26 | 300 | 275,14 |
| SM28 | 28 | 300 | 293,84 |
| SM30 | 30 | 300 | 312,53 |
| SM32 | 32 | 300 | 331,22 |

- Includes 1 built-in SM2 connecting screw.

BREAKTHROUGH DRILL BIT



| SM | | |
|------|-------|----------|
| | D1 mm | € |
| SM35 | 35 | 466,53 |
| SM40 | 40 | 516,14 |
| SM45 | 45 | 568,26 |
| SM50 | 50 | 590,62 |
| SM55 | 55 | 615,42 |
| SM60 | 60 | 652,67 |
| SM68 | 68 | 689,84 |
| SM80 | 80 | 799,05 |
| SM90 | 90 | 1.007,47 |

- Includes 1 built-in SM2 connecting screw.

THREADED CORE BIT



70 mm
CUTTING
CAPACITY

| SMCC | | | |
|---------|-------|----|--------|
| | D1 mm | Z | € |
| SMCC50 | 50 | 7 | 260,76 |
| SMCC65 | 65 | 8 | 330,43 |
| SMCC80 | 80 | 9 | 385,14 |
| SMCC90 | 90 | 10 | 431,37 |
| SMCC105 | 105 | 11 | 587,89 |
| SMCC125 | 125 | 12 | 645,12 |

- Does not include SM2 connecting screw required for connection to the threaded extension or SDS Max adapter.



Ref. SM2

Ref. SM3

Ref. SM4

CONNECTING SCREW

THREADED ARBOR FOR CORE BIT CLA 1:8

THREADED PILOT DRILL

| SM | | | |
|------|-------|-------|--------|
| | D1 mm | L1 mm | € |
| SM2 | 14 | 62 | 22,29 |
| SM3* | 26 | 90 | 131,50 |
| SM4* | 11 | 150 | 67,94 |

- Includes 1 built-in SM2 connecting screw.

- When using the system without a pilot drill (SM4), the use of the union screw (SM2) will be necessary.

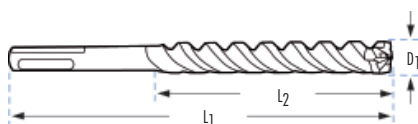
SDS MAX HAMMER DRILL BITS

Ref. QT



4 EDGES

- Self centering high performance carbided tipped point.
 - Higher drilling speed and better durability.
 - 4 spiral flutes for faster drilling and fast dust removal.
 - Accurate drill holes thanks to reduced friction.
 - Longer lifetime thanks to minimum friction in flutes and head point.
 - Easier drilling thanks to faster drilling and dust removal.
 - For use in rotary hammer machines with SDS Max shank
- APPLICATIONS:
- Concrete and construction materials, marble, granite, blackboard, stone.



| | QT | | |
|-----------|----------|--------------|--------|
| | D1 mm | L1x L2 mm | € |
| QT12X340 | 12 | 340x200 | 57,63 |
| QT12X540 | 12 | 540x400 | 67,91 |
| QT12X740 | 12 | 740x600 | 85,97 |
| QT12X940 | 12 | 920x800 | 125,48 |
| QT14X340 | 14 | 340x200 | 62,62 |
| QT14X540 | 14 | 540x400 | 71,62 |
| QT14X740 | 14 | 740x600 | 101,53 |
| QT14X940 | 14 | 920x800 | 130,89 |
| QT15X340 | 15 | 340x200 | 65,72 |
| QT15X540 | 15 | 540x400 | 72,68 |
| QT16X340 | 16 | 340x200 | 78,48 |
| QT16X540 | 16 | 540x400 | 89,02 |
| QT16X740 | 16 | 740x600 | 105,24 |
| QT16X940 | 16 | 920x800 | 131,96 |
| QT16X1340 | 16 | 1320x1200 | 292,10 |
| QT17X340 | 17 | 340x200 | 83,09 |
| QT17X540 | 17 | 540x400 | 94,89 |
| QT18X340 | 18 | 340x200 | 85,34 |
| QT18X540 | 18 | 540x400 | 96,64 |
| QT18X720 | 18 | 740x600 | 115,54 |
| QT18X940 | 18 | 920x800 | 133,89 |
| QT18X1320 | 18 | 1320x1200 | 297,85 |

| | QT | | |
|-----------|----------|--------------|--------|
| | D1 mm | L1x L2 mm | € |
| QT19X320 | 19 | 320x200 | 88,15 |
| QT19X520 | 19 | 520x400 | 98,27 |
| QT20X320 | 20 | 320x200 | 90,57 |
| QT20X520 | 20 | 520x400 | 98,58 |
| QT20X720 | 20 | 720x600 | 132,30 |
| QT20X920 | 20 | 920x800 | 152,19 |
| QT20X1320 | 20 | 1320x1200 | 301,70 |
| QT22X320 | 22 | 320x200 | 91,74 |
| QT22X520 | 22 | 520x400 | 105,46 |
| QT22X720 | 22 | 720x600 | 135,21 |
| QT22X920 | 22 | 920x800 | 159,77 |
| QT22X1320 | 22 | 1320x1200 | 306,38 |
| QT24X320 | 24 | 320x200 | 95,83 |
| QT24X520 | 24 | 520x400 | 112,28 |
| QT25X320 | 25 | 320x200 | 98,88 |
| QT25X520 | 25 | 520x400 | 112,96 |
| QT25X720 | 25 | 720x600 | 151,80 |
| QT25X920 | 25 | 920x800 | 175,25 |
| QT25X1320 | 25 | 1320x1200 | 319,49 |
| QT26X320 | 26 | 320x200 | 120,59 |
| QT26X520 | 26 | 520x400 | 124,26 |
| QT28X320 | 28 | 320x200 | 122,38 |

| | QT | | |
|-----------|----------|--------------|--------|
| | D1 mm | L1x L2 mm | € |
| QT28X520 | 28 | 520x400 | 130,52 |
| QT28X720 | 28 | 720x600 | 167,45 |
| QT28X920 | 28 | 920x800 | 209,65 |
| QT28X1320 | 28 | 1320x1200 | 363,87 |
| QT30X320 | 30 | 320x200 | 123,29 |
| QT30X520 | 30 | 520x400 | 135,92 |
| QT32X320 | 32 | 320x200 | 133,25 |
| QT32X520 | 32 | 520x400 | 164,33 |
| QT32X720 | 32 | 720x600 | 219,50 |
| QT32X920 | 32 | 920x800 | 265,70 |
| QT35X520 | 35 | 520x400 | 196,17 |
| QT35X720 | 35 | 720x600 | 222,94 |
| QT35X920 | 35 | 920x800 | 318,74 |
| QT35X1320 | 35 | 1320x1200 | 471,19 |
| QT38X520 | 38 | 520x400 | 237,62 |
| QT38X720 | 38 | 720x600 | 279,56 |
| QT40X520 | 40 | 520x400 | 283,30 |
| QT40X720 | 40 | 720x600 | 323,29 |
| QT40X920 | 40 | 920x800 | 350,26 |
| QT40X1320 | 40 | 1320x1200 | 561,23 |



SDS MAX HAMMER DRILL BITS



Construction drill bits
Grey

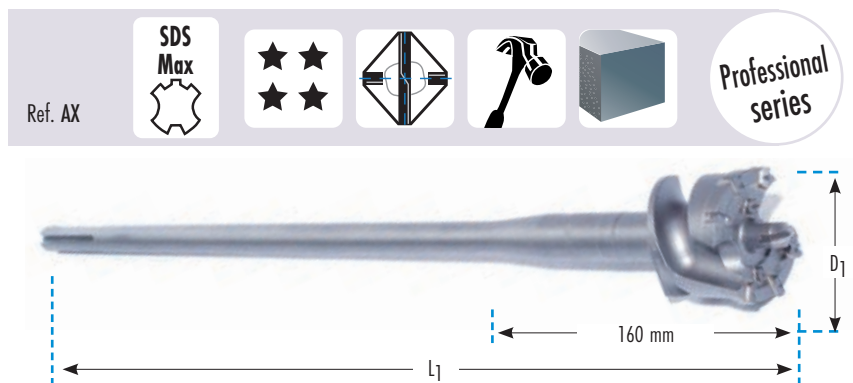
| | | AX | | |
|-------------|-------|-----------|----------|--|
| | D1 mm | L1x L2 mm | € | |
| AX12.0X340 | 12 | 340x200 | 83,27 | |
| AX12.0X540 | 12 | 540x400 | 98,13 | |
| AX14.0X340 | 14 | 340x200 | 90,49 | |
| AX14.0X540 | 14 | 540x400 | 103,50 | |
| AX15.0X340 | 15 | 340x200 | 94,95 | |
| AX15.0X540 | 15 | 540x400 | 115,51 | |
| AX16.0X340 | 16 | 340x200 | 113,40 | |
| AX16.0X540 | 16 | 540x400 | 128,63 | |
| AX16.0X740 | 16 | 690x550 | 152,06 | |
| AX16.0X940 | 16 | 920x780 | 190,67 | |
| AX18.0X340 | 18 | 340x200 | 117,36 | |
| AX18.0X540 | 18 | 540x400 | 139,63 | |
| AX18.0X720 | 18 | 690x550 | 166,95 | |
| AX18.0X940 | 18 | 920x780 | 193,46 | |
| AX19.0X320 | 19 | 340x200 | 127,38 | |
| AX19.0X540 | 19 | 540x400 | 142,00 | |
| AX20.0X320 | 20 | 340x200 | 119,65 | |
| AX20.0X520 | 20 | 540x400 | 142,44 | |
| AX20.0X720 | 20 | 690x550 | 191,17 | |
| AX20.0X920 | 20 | 920x780 | 219,91 | |
| AX20.0X1320 | 20 | 1300x1160 | 401,07 | |
| AX20.0X1500 | 20 | 1500x1360 | 435,36 | |
| AX22.0X320 | 22 | 340x200 | 132,56 | |
| AX22.0X520 | 22 | 540x400 | 152,38 | |
| AX22.0X720 | 22 | 690x550 | 195,38 | |
| AX22.0X920 | 22 | 920x780 | 230,87 | |
| AX22.0X1320 | 22 | 1300x1160 | 442,71 | |
| AX22.0X2000 | 22 | 1925x1785 | 731,90 | |
| AX22.0X2500 | 22 | 2500x2360 | 1.222,22 | |
| AX22.0X3000 | 22 | 3000x2860 | 1.522,85 | |
| AX22.0X3500 | 22 | 3500x3360 | 1.719,50 | |
| AX22.0X3850 | 22 | 3850x3710 | 1.965,36 | |
| AX24.0X320 | 24 | 340x200 | 138,48 | |
| AX24.0X520 | 24 | 540x400 | 162,23 | |

| | | AX | | |
|-------------|-------|-----------|----------|--|
| | D1 mm | L1x L2 mm | € | |
| AX24.0X720 | 24 | 690x550 | 215,36 | |
| AX24.0X920 | 24 | 920x780 | 241,25 | |
| AX24.0X1500 | 24 | 1500x1360 | 441,15 | |
| AX25.0X320 | 25 | 340x200 | 142,88 | |
| AX25.0X520 | 25 | 540x400 | 163,23 | |
| AX25.0X720 | 25 | 690x550 | 219,35 | |
| AX25.0X920 | 25 | 920x780 | 253,22 | |
| AX25.0X1320 | 25 | 1300x1160 | 460,96 | |
| AX25.0X1500 | 25 | 1500x1360 | 601,32 | |
| AX25.0X2000 | 25 | 1925x1785 | 775,90 | |
| AX25.0X2500 | 25 | 2500x2360 | 1.275,30 | |
| AX25.0X3000 | 25 | 3000x2860 | 1.723,73 | |
| AX25.0X3500 | 25 | 3500x3360 | 2.128,19 | |
| AX25.0X3850 | 25 | 3850x3710 | 2.553,08 | |
| AX26.0X320 | 26 | 340x200 | 174,23 | |
| AX26.0X520 | 26 | 540x400 | 177,82 | |
| AX26.0X720 | 26 | 690x550 | 235,36 | |
| AX26.0X920 | 26 | 920x780 | 275,75 | |
| AX28.0X320 | 28 | 340x200 | 175,68 | |
| AX28.0X520 | 28 | 540x400 | 188,60 | |
| AX28.0X720 | 28 | 690x550 | 241,96 | |
| AX28.0X920 | 28 | 920x780 | 302,94 | |
| AX28.0X1320 | 28 | 1300x1160 | 525,77 | |
| AX28.0X1500 | 28 | 1500x1360 | 655,36 | |
| AX30.0X320 | 30 | 340x200 | 178,15 | |
| AX30.0X520 | 30 | 540x400 | 196,40 | |
| AX30.0X720 | 30 | 690x550 | 272,36 | |
| AX30.0X920 | 30 | 920x780 | 322,25 | |
| AX32.0X320 | 32 | 340x200 | 203,03 | |
| AX32.0X520 | 32 | 540x400 | 237,45 | |
| AX32.0X720 | 32 | 690x550 | 285,74 | |
| AX32.0X920 | 32 | 920x780 | 345,88 | |
| AX32.0X1320 | 32 | 1300x1160 | 580,35 | |
| AX32.0X1500 | 32 | 1500x1360 | 659,39 | |

| | | AX | | |
|-------------|-------|-----------|----------|--|
| | D1 mm | L1x L2 mm | € | |
| AX35.0X320 | 35 | 340x200 | 241,25 | |
| AX35.0X520 | 35 | 540x400 | 255,38 | |
| AX35.0X720 | 35 | 690x550 | 290,22 | |
| AX35.0X920 | 35 | 920x780 | 414,93 | |
| AX35.0X1320 | 35 | 1300x1160 | 613,37 | |
| AX36.0X320 | 36 | 340x200 | 285,36 | |
| AX36.0X520 | 36 | 540x400 | 290,36 | |
| AX36.0X720 | 36 | 690x550 | 355,25 | |
| AX36.0X920 | 36 | 920x780 | 435,36 | |
| AX36.0X1500 | 36 | 1500x1360 | 716,56 | |
| AX38.0X320 | 38 | 340x200 | 309,36 | |
| AX38.0X520 | 38 | 540x400 | 318,36 | |
| AX38.0X720 | 38 | 690x550 | 377,66 | |
| AX38.0X920 | 38 | 920x780 | 444,44 | |
| AX40.0X320 | 40 | 340x200 | 342,33 | |
| AX40.0X520 | 40 | 540x400 | 368,78 | |
| AX40.0X720 | 40 | 690x550 | 436,73 | |
| AX40.0X920 | 40 | 920x780 | 455,96 | |
| AX40.0X1500 | 40 | 1500x1360 | 876,68 | |
| AX42.0X320 | 42 | 340x200 | 389,58 | |
| AX42.0X520 | 42 | 540x400 | 401,25 | |
| AX42.0X720 | 42 | 690x550 | 487,99 | |
| AX42.0X920 | 42 | 920x780 | 496,36 | |
| AX42.0X1320 | 42 | 1300x1160 | 654,38 | |
| AX42.0X1500 | 42 | 1500x1360 | 920,97 | |
| AX45.0X320 | 45 | 340x200 | 441,84 | |
| AX45.0X520 | 45 | 540x400 | 481,25 | |
| AX45.0X720 | 45 | 690x550 | 514,49 | |
| AX45.0X920 | 45 | 920x780 | 591,25 | |
| AX45.0X1320 | 45 | 1300x1160 | 689,90 | |
| AX45.0X1500 | 45 | 1500x1360 | 1.013,18 | |
| AX52.0X520 | 52 | 540x400 | 558,28 | |
| AX52.0X720 | 52 | 690x550 | 587,15 | |

SDS MAX BREAKTHROUGH ONE PIECE DRILL BITS FOR DRILLING LARGE DIAMETERS FROM Ø 45 TO 80 MM

| | | AX | |
|------------|-------|-----------|--------|
| | D1 mm | L1x L2 mm | € |
| AX45.0X590 | 45,0 | 590x450 | 567,45 |
| AX45.0X990 | 45,0 | 990x850 | 611,14 |
| AX50.0X590 | 50,0 | 590x450 | 599,36 |
| AX50.0X990 | 50,0 | 990x850 | 653,36 |
| AX55.0X590 | 55,0 | 590x450 | 635,17 |
| AX55.0X990 | 55,0 | 990x850 | 697,84 |
| AX65.0X590 | 65,0 | 590x450 | 702,42 |
| AX65.0X990 | 65,0 | 990x850 | 789,39 |
| AX80.0X590 | 80,0 | 590x450 | 821,93 |
| AX80.0X990 | 80,0 | 990x850 | 960,97 |



REINFORCED CONCRETE HAMMER DRILL BITS SDS MAX SHANK WITH 4 CUTTING EDGE SOLID CARBIDE HEAD

Construction drill bits

Grey

Ref. X4AX



4 Z



High Performance



Ø 12-28



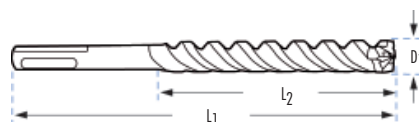
Ø 30-45



- Maximum performance and durability in reinforced concrete.
- Drill faster and easier in high resistance reinforced concrete, with the best drill.
- SDS-Max Shank.
- Faster dust removal thanks to its 4 flutes. APPLICATIONS: Reinforced concrete, concrete and masonry

4 CUTTING EDGE SOLID CARBIDE HEAD

- Point specially designed for reinforced concrete.
- Self-centering 90° angled point for perfectly centered hole
- High performance design increasing dust removal volume and decreasing drill wear
- Side wear marks



| | X4AX | | |
|-------------|-------|-----------|--------|
| | D1 mm | L1x L2 mm | € |
| X4AX12X340 | 12 | 340x200 | 114,47 |
| X4AX12X540 | 12 | 540x400 | 134,97 |
| X4AX12X740 | 12 | 740x600 | 191,35 |
| X4AX12X940 | 12 | 940x800 | 256,28 |
| X4AX14X340 | 14 | 340x200 | 127,28 |
| X4AX14X540 | 14 | 540x400 | 152,06 |
| X4AX14X740 | 14 | 740x600 | 203,32 |
| X4AX14X940 | 14 | 940x800 | 259,70 |
| X4AX16X340 | 16 | 340x200 | 137,54 |
| X4AX16X540 | 16 | 540x400 | 160,60 |
| X4AX16X740 | 16 | 740x600 | 210,15 |
| X4AX16X940 | 16 | 940x800 | 263,11 |
| X4AX18X340 | 18 | 340x200 | 142,32 |
| X4AX18X540 | 18 | 540x400 | 169,65 |
| X4AX18X740 | 18 | 740x600 | 216,81 |
| X4AX18X940 | 18 | 940x800 | 263,80 |
| X4AX20X320 | 20 | 320x200 | 149,84 |
| X4AX20X520 | 20 | 520x400 | 172,56 |
| X4AX20X720 | 20 | 720x600 | 220,58 |
| X4AX20X920 | 20 | 920x800 | 271,32 |
| X4AX20X1300 | 20 | 1300x1160 | 485,25 |
| X4AX20X1500 | 20 | 1500x1360 | 500,66 |
| X4AX22X320 | 22 | 320x200 | 160,26 |
| X4AX22X520 | 22 | 520x400 | 181,96 |
| X4AX22X640 | 22 | 540x400 | 215,36 |
| X4AX22X720 | 22 | 690x550 | 229,63 |

| | X4AX | | |
|-------------|-------|-----------|--------|
| | D1 mm | L1x L2 mm | € |
| X4AX22X920 | 22 | 920x800 | 275,07 |
| X4AX22X1300 | 22 | 1300x1160 | 509,12 |
| X4AX24X320 | 24 | 320x200 | 174,44 |
| X4AX24X520 | 24 | 520x400 | 192,04 |
| X4AX24X720 | 24 | 690x550 | 247,66 |
| X4AX24X920 | 24 | 920x780 | 277,44 |
| X4AX24X1500 | 24 | 1500x1360 | 507,32 |
| X4AX25X320 | 25 | 320x200 | 174,44 |
| X4AX25X520 | 25 | 520x400 | 201,78 |
| X4AX25X720 | 25 | 720x600 | 263,80 |
| X4AX25X920 | 25 | 920x800 | 327,87 |
| X4AX25X1300 | 25 | 1300x1160 | 530,10 |
| X4AX25X1500 | 25 | 1500x1360 | 610,36 |
| X4AX26X320 | 26 | 320x200 | 197,66 |
| X4AX26X520 | 26 | 520x400 | 227,97 |
| X4AX26X720 | 26 | 690x550 | 270,66 |
| X4AX26X920 | 26 | 920x780 | 333,36 |
| X4AX28X320 | 28 | 320x200 | 203,50 |
| X4AX28X520 | 28 | 520x400 | 230,22 |
| X4AX28X720 | 28 | 720x600 | 272,04 |
| X4AX28X920 | 28 | 920x800 | 343,69 |
| X4AX28X1300 | 28 | 1300x1160 | 604,64 |
| X4AX28X1500 | 28 | 1500x1360 | 673,59 |
| X4AX30X320 | 30 | 340x200 | 204,87 |
| X4AX30X520 | 30 | 540x400 | 241,25 |
| X4AX30X720 | 30 | 690x550 | 313,21 |

| | X4AX | | |
|-------------|-------|-----------|--------|
| | D1 mm | L1x L2 mm | € |
| X4AX30X920 | 30 | 920x780 | 370,59 |
| X4AX32X320 | 32 | 340x200 | 233,48 |
| X4AX32X520 | 32 | 540x400 | 273,07 |
| X4AX32X720 | 32 | 690x550 | 328,60 |
| X4AX32X920 | 32 | 920x780 | 397,76 |
| X4AX32X1300 | 32 | 1300x1160 | 667,40 |
| X4AX32X1500 | 32 | 1500x1360 | 758,30 |
| X4AX35X320 | 35 | 340x200 | 294,76 |
| X4AX35X520 | 35 | 540x400 | 311,31 |
| X4AX35X720 | 35 | 690x550 | 333,75 |
| X4AX35X920 | 35 | 920x780 | 477,17 |
| X4AX35X1300 | 35 | 1300x1160 | 705,38 |
| X4AX36X320 | 36 | 340x200 | 333,75 |
| X4AX36X520 | 36 | 540x400 | 346,36 |
| X4AX36X720 | 36 | 690x550 | 408,54 |
| X4AX36X920 | 36 | 920x780 | 500,66 |
| X4AX36X1500 | 36 | 1500x1360 | 824,04 |
| X4AX38X320 | 38 | 340x200 | 365,25 |
| X4AX38X520 | 38 | 540x400 | 386,68 |
| X4AX38X720 | 38 | 690x550 | 434,31 |
| X4AX38X920 | 38 | 920x780 | 511,11 |
| X4AX40X320 | 40 | 340x200 | 393,68 |
| X4AX40X720 | 40 | 690x550 | 502,24 |
| X4AX42X320 | 42 | 340x200 | 448,01 |
| X4AX45X320 | 45 | 340x200 | 508,12 |
| X4AX45X520 | 45 | 540x400 | 591,66 |



ADAPTORS WITH SLOT LOCKING DEVICE FOR FITTING HAMMER DRILL BITS WITH SDS PLUS SHANK



SDS-PLUS EXIT



SDS-MAX SHANK



This mechanism was designed to use SDS PLUS Drills, till 18 mm maximum diameter, which are not available with SDS-MAX shank. The lifetime and performance of these adaptors will depend on their adequate use

| SHANK | | MACHINE TYPE (SDS-PLUS EXIT IN ALL CASES) | | € |
|--------------------|-----------------------|---|------------------|---------------|
| QFMX | SDS-MAX | All machines with SDS MAX shank | | 156,36 |
| QFK2 HEX. 14 mm | 14 mm Hexagonal shank | PETIT KANGO | 501 - 637 - 430C | 156,36 |

SDS-PLUS & SDS-MAX ADAPTOR

SDS-MAX

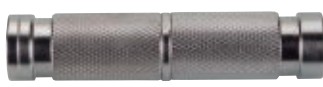


| | Ø mm | L mm | | € |
|------|------|------|-------------------|---------------|
| HMAX | 30 | - | Connector SDS-MAX | 106,35 |



| | Ø mm | L mm | | € |
|-------|------|------|-------------|--------------|
| MMAX1 | 18 | 320 | SDS-MAX Bar | 25,36 |
| MMAX2 | | 750 | SDS-MAX Bar | 56,44 |
| MMAX3 | | 1100 | SDS-MAX Bar | 74,11 |

SDS-PLUS



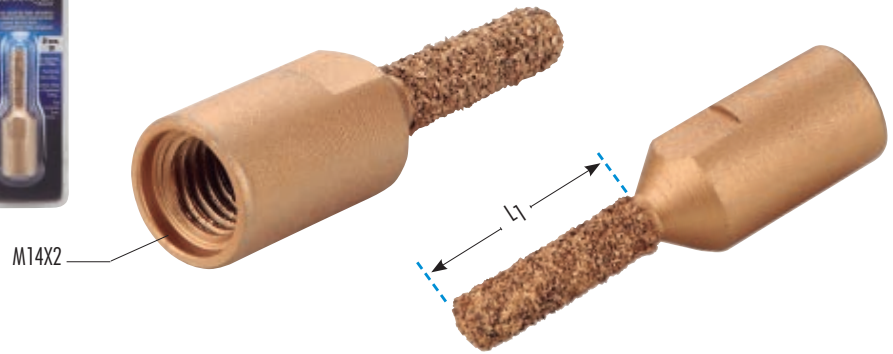
| | Ø mm | L mm | | € |
|-------|------|------|-------------------|--------------|
| HPLUS | 21 | - | Connector SDS-MAX | 89,36 |



| | Ø mm | L mm | | € |
|--------|------|------|-------------|--------------|
| MPLUS1 | 10 | 250 | SDS-MAX Bar | 15,36 |
| MPLUS2 | | 350 | SDS-MAX Bar | 21,28 |
| MPLUS3 | | 500 | SDS-MAX Bar | 26,36 |

CARBIDE MORTAR RAKE
**CARBIDE
 GRIT**

Ref. BW33

 To remove the mortar between the bricks before grouting
 Can be used on angular grinder with M14x2.00 threads

BW33

| | Thread mm | L1 mm | D1 mm | € |
|--------|--------------|----------|----------|--------------|
| BW3308 | M14x2 | 33 | 8 | 20,63 |
| BW3310 | M14x2 | 33 | 10 | 23,88 |
| BW3312 | M14x2 | 33 | 12 | 28,38 |

CLAIM ACCEPTANCE

The concrete drill bit may be damaged in the following situations:

- Continue working when the tool is worn.
- When drilling in improper material.
- When drilling deeper than the flute's length.
- When the drill bit is used with an improper machine.

How can I check the wear limit of drill bits?

- Check the state and wear level of the carbide tip.
- Verify the state of the drill's flutes.
- The drill holder of the power tool is a good indicator of wear.



Carbide tip worn out

LOOSE
CARBIDE TIP

Happens when the drill is still being used even if completely worn. The heat generated can melt the brazing and loosen the carbide insert.

NON-ACCEPTABLE CLAIM



FLUTE RUPTURE

The metal fatigue has worn out the tip and, if used beyond this point, can lead to a flute breach.

NON-ACCEPTABLE CLAIM



Carbide tip worn out



FLUTE RUPTURE

Flute rupture caused by insufficient heat treatment (carbide tip is visibly not worn).

ACCEPTABLE CLAIM



Carbide tip in good condition



FLUTE RUPTURE

Drilling over the flute length causes the dust channel to clog and the subsequent overload results in flute breach. The non-fluted part of the drill shows unusual wear when it should be clear.

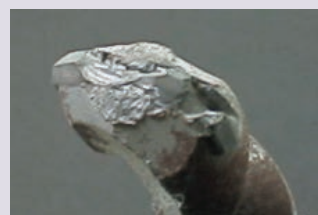
NON-ACCEPTABLE CLAIM



HEAD BREACH

Can be due to operator drilling over the useful length or possibly keeping on using a worn out drill until rupture.

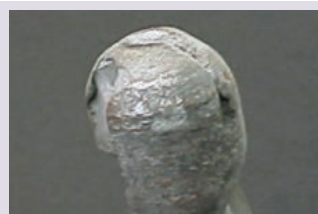
NON-ACCEPTABLE CLAIM



CARBIDE TIP
BREACH

Due to the tip violently impacting very hard bodies like the metal rebar of reinforced concrete.

NON-ACCEPTABLE CLAIM










CARBIDE
TIPPED CRACK

The tip crack was caused by the hard material, then drilling continued as it is.

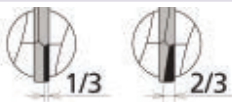
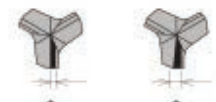
NON-ACCEPTABLE CLAIM



CLAIM ACCEPTANCE FOR DELTATOP DRILL BITS


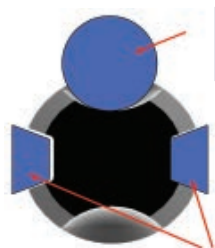
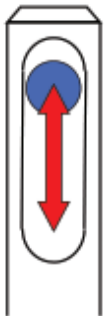

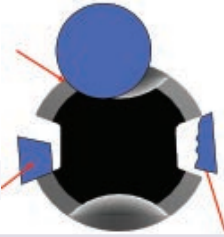
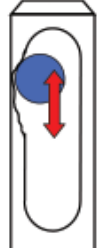


| | | |
|--|-----------------------------------|--|
|  <p>worn out</p> | <p>USUAL LIFE OF DELTATOP BIT</p> | <p>When the tip's ridge line of the drill bits looks like the picture, it is considered worn out (see left)</p> <p>NON-ACCEPTABLE CLAIM</p>  |
|  <p>worn out</p> | <p>USUAL LIFE OF DELTATOP BIT</p> | <p>The shank part of the drill bit is considered worn out when it is burnt blue (Used with only rotation or used after the tip has worn out). The shank of the drill bit could turn blue also when drilling on extremely hard material.</p> <p>NON-ACCEPTABLE CLAIM</p>  |
|  <p>accepted worn out</p> | <p>LOOSE DELTATOP CARBIDE TIP</p> | <p> If the head shows burnt blue areas, it means the operator has continued working with a worn out drill bit. The heat generated has melted the brazing and caused the carbide insert to loosen.</p> <p>NON-ACCEPTABLE CLAIM</p> <p> However, when the tip is detached at the early stage without having the flute turning blue, this claim will be accepted.</p> <p>ACCEPTABLE CLAIM</p> |

HOW TO VERIFY THE DRILL BIT'S WEAR LEVEL ?

| | |
|--|--|
|  <p>1/3 2/3</p> <p>New worn out</p> <p>When the tip's ridge line of the drill bits looks like the picture, it is considered worn out (see left).</p> |  <p>New worn out</p> <p>When the tip's ridge line of the drill bits looks like the picture, it is considered worn out (see left).</p> |
|--|--|

CLAIM ACCEPTANCE

DYSFUNCTION AT THE POWER CHUCKS SDS PLUS NOTCHES

| | |
|---|--|
| <p>POWER TOOL CHUCK IN GOOD CONDITION </p>  <p>Steel ball, responsible for axial fixing.</p> <p>Trapezoidal noses responsible for rotation.</p>  <p>Axial movement of the drill is correct.</p> | <p>DAMAGED POWER TOOL CHUCK </p>  <p>A worn out trapezoidal does not transmit the rotation movement correctly, thus forcing the ball to transmit rotation as well as axial movement. The ball impacts and forces against the notch, damaging the chuck.</p> <p>Worn out trapezoidal nose.</p> <p>Broken trapezoidal nose.</p>  <p>A worn out chuck does not allow a correct transmission of the axial impact movement.</p>  <p>Extreme example</p> <p>CONCLUSION: This results in the drill rotating without correctly hammering which leads to excessive friction and over-heating of the drill bit.</p> <p>NON-ACCEPTABLE CLAIM</p>  |
|---|--|