










# Drilling

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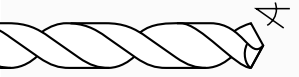
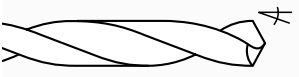


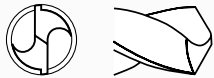

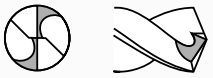
# Your guide to the right drill bit

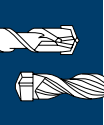
**These information pages are designed as a user aid.** They cover the correct use of the appropriate power tool and the various drill bits for commonly used materials. The charts given below can only serve as recommendations and cannot be seen as a complete guide. For more detailed queries please contact Bosch directly. The interdependency of power tools and drill bits is often neglected. It is only once this combination has been recognised and considered that the lifetime of tool and drill bit can be optimised.

|   |              | Drill/Impact drill<br>up to 600 watts   | Drill/Impact drill<br>up to 700 watts   | Drill/Impact drill<br>up to 1010 watts  | Drill/Impact drill<br>up to 1150 watts  | Cordless drill/<br>driver   | Cordless drill  | Cordless impact<br>drill  |
|---|--------------|---|---|---|---|---|---|---|
|   |              |  |  |  |  |  |  |  |
| <b>Metal drill bits</b>                           |              |   |   |   |   |   |   |   |
| Sheet metal cone bits                             | up to 20 mm  | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|   | over 30 mm   | ●   | ●   | ●   | ●   |   |   |   |
| Steel drill bits                                  | up to 10 mm  | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|   | up to 13 mm  |   | ●   | ●   | ●   |   |   | ●   |
|   | up to 20 mm  |   |   |   | ●   |   |   |   |
| <b>Wood drill bits</b>                            |              |   |   |   |   |   |   |   |
| Wood drill bits                                   | up to 15 mm  | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|   | up to 25 mm  | ●   | ●   | ●   | ●   |   |   |   |
|   | up to 32 mm  |   | ●   | ●   | ●   |   |   |   |
| Spur auger bits                                   | up to 18 mm  | ●   | ●   | ●   | ●   |   |   |   |
|   | up to 32 mm  |   | ●   | ●   | ●   |   |   |   |
| Installation and formwork drill bits              | 18 mm        | ●   | ●   | ●   | ●   |   |   |   |
|   | 30 mm        |   | ●   | ●   | ●   |   |   |   |
| Spade bits Self Cut                               |              |   |   |   |   |   |   | ●   |
| Forstner bits                                     | up to 40 mm  | ●   | ●   | ●   | ●   |   |   |   |
|   | up to 50 mm  | ●   | ●   | ●   | ●   |   |   |   |
| TC hinge cutting bits/<br>Clean Hinge             | up to 50 mm  | ●   | ●   | ●   | ●   |   |   |   |
| Disc cutters/Shank cutters                        | up to 40 mm  |   | ●   | ●   | ●   |   |   |   |
| <b>Concrete drill bits and masonry drill bits</b> |              |   |   |   |   |   |   |   |
| Blue Granite                                      | up to 12 mm  | ●   | ●   | ●   | ●   |   |   | ●   |
|   | up to 20 mm  |   | ●   | ●   | ●   |   |   |   |
| Silver Percussion                                 | up to 12 mm  | ●   | ●   | ●   | ●   |   |   | ●   |
|   | up to 25 mm  |   |   | ●   | ●   |   |   |   |
| Impact  | up to 12 mm  | ●   | ●   | ●   | ●   |   |   | ●   |
|   | up to 20 mm  |   | ●   | ●   | ●   |   |   |   |
| <b>Multi-purpose and rotary drill bits</b>        |              |   |   |   |   |   |   |   |
| Multi Construction                                | up to 20 mm  | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
| Expert for Ceramic                                | up to 16 mm  | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
| <b>Core cutters and core edge sinkers</b>         |              |   |   |   |   |   |   |   |
| Core cutters                                      | up to 68 mm  |   | ●   | ●   | ●   |   |   |   |
|   | up to 82 mm  |   |   | ●   | ●   |   |   |   |
| Diamond core edge sinkers                         | up to 82 mm  |   |   | ●   | ●   |   |   |   |
| <b>Holesaws</b>                                   |              |   |   |   |   |   |   |   |
|   | up to 40 mm  | ●   | ●   | ●   | ●   | ●   | ●   | ●   |
|   | up to 60 mm  |   | ●   | ●   | ●   |   |   |   |
|   | up to 80 mm  |   |   | ●   | ●   |   |   |   |
|   | up to 152 mm |   |   |   | ●   |   |   |   |

# Working in metal and plastic

**If possible, work with a coolant;** in practice this is not always possible when working with hand-held drills. This is why our HSS drill bits have been designed to ensure quick swarf removal. In general, when working with hard and tough, or short swarf producing materials, use drill bits with larger point angles and smaller flute angles. For soft and tough, or long swarf producing materials, use drill bits with larger point angles and larger flute angles.

|  |  |   |   |
|--|--|---|---|
| <p style="text-align: center;"><b>A</b></p>  <p><b>Type N</b><br/>Normal version<br/>Flute angle<br/><math>\gamma = 1^\circ</math> to <math>40^\circ</math></p> | <p style="text-align: center;"><b>B</b></p>  <p><b>Type H</b><br/>Flute angle<br/><math>\gamma = 10^\circ</math> to <math>19^\circ</math></p> | <p style="text-align: center;"><b>C</b></p>  <p><b>Type W</b><br/>Flute angle<br/><math>\gamma = 27^\circ</math> to <math>45^\circ</math></p> |   |
| <p style="text-align: center;"><b>A</b></p>  <p>Split point<br/>manufactured to<br/>DIN 1412 C</p>  | <p style="text-align: center;"><b>B</b></p>  <p>Chisel edge</p>   | <p style="text-align: center;"><b>C</b></p>  <p>Acute cross point<br/>manufactured to DIN<br/>1412 A</p>                                    | <p style="text-align: center;"><b>D</b></p>  <p>Split point, optimised<br/>for very hard steel</p> |





|                              | Tensile strength<br>N/mm <sup>2</sup> | Rockwell<br>hardness | Optimum drill<br>bit tip | Optimum flute<br>angle | HSS-R<br>DIN 338 | HSS-R<br>DIN 1897 | HSS-G<br>DIN 338 | HSS-G<br>DIN 340 | HSS-Co<br>DIN 338 | HSS-TiN<br>DIN 338 | Recommended<br>cooling      |
|------------------------------|---------------------------------------|----------------------|--------------------------|------------------------|------------------|-------------------|------------------|------------------|-------------------|--------------------|-----------------------------|
| <b>Metals</b>                |                                       |                      |                          |                        |                  |                   |                  |                  |                   |                    |                             |
| Non-alloyed structural steel | 350                                   | HRB 62               | A                        | N                      |                  | ●                 | ●                | ●                |                   | ●                  | Drill emulsion, cutting oil |
| Non-alloyed structural steel | 750                                   | HRC 21               | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   | ●                  | Drill emulsion, cutting oil |
| Sheet steel                  | 800                                   | HRC 22               | A                        | N                      |                  | ●                 | ●                |                  |                   | ●                  | Drill emulsion, ester oil   |
| Non-alloyed tool steel       | 800                                   | HRC 22               | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   | ●                  | Drill emulsion, cutting oil |
| Alloyed tool steel           | 880                                   | HRC 26               | A                        | N                      |                  | ●                 | ●                | ●                | ●                 | ●                  | Drill emulsion, ester oil   |
| Alloyed tool steel           | 1000                                  | HRC 31               | A/D                      | N                      |                  |                   | ●                |                  | ●                 | ●                  | Drill emulsion, ester oil   |
| Stainless steel              | 550                                   | HRB 85               | A/D                      | N                      |                  |                   | ●                | ●                |                   | ●                  | Ester oil, cutting oil      |
| Stainless steel              | 1100                                  | HRC 34               | D                        | N                      |                  |                   |                  |                  | ●                 |                    | Ester oil, cutting oil      |
| Fire proof steel             | 800                                   | HRC 22               | D                        | N                      |                  |                   |                  |                  | ●                 |                    | Ester oil, cutting oil      |
| Spring steel                 | 1100                                  | HRC 34               | A/D                      | N                      |                  |                   |                  |                  | ●                 |                    | Ester oil, cutting oil      |
| Cast iron                    | 800                                   | HRC 22               | A/C/D                    | N                      | ●                |                   | ●                | ●                | ●                 | ●                  | Dry                         |
| Malleable cast iron          | 700                                   | HRB 95               | A/C/D                    | N                      | ●                |                   | ●                | ●                | ●                 | ●                  | Drill emulsion, cutting oil |
| Cast steel                   | 770                                   | HRC 20               | A/C/D                    | N                      | ●                |                   | ●                | ●                | ●                 | ●                  | Drill emulsion, cutting oil |
| Cast steel                   | 1100                                  | HRC 34               | D                        | N                      |                  |                   |                  |                  | ●                 |                    | Drill emulsion, cutting oil |
| Non-alloyed aluminium        | 180                                   |                      | D                        | W                      |                  |                   |                  |                  |                   |                    | Drill emulsion, cutting oil |
| Alloyed aluminium            | 350                                   |                      | A                        | N/W                    |                  |                   | ●                |                  |                   |                    | Drill emulsion, cutting oil |
| Non-alloyed copper           |                                       |                      | D                        | W                      |                  |                   |                  |                  |                   |                    | Drill emulsion, cutting oil |
| Alloyed copper               |                                       |                      | A/B                      | N/W                    |                  | ●                 | ●                |                  |                   | ●                  | Drill emulsion, cutting oil |
| Bronze                       |                                       |                      | A/B                      | N                      | ●                | ●                 | ●                |                  |                   | ●                  | Dry                         |
| Brass                        |                                       |                      | A/B                      | H                      |                  |                   |                  |                  |                   | ●                  | Drill emulsion              |
| Magnesium                    |                                       |                      | D                        | N                      |                  |                   |                  |                  | ●                 |                    | Dry, never water            |

|                 | Tensile strength<br>N/mm <sup>2</sup> | Rockwell<br>hardness | Optimum drill<br>bit tip | Optimum flute<br>angle | HSS-R<br>DIN 338 | HSS-R<br>DIN 1897 | HSS-G<br>DIN 338 | HSS-G<br>DIN 340 | HSS-Co<br>DIN 338 | HSS-TiN<br>DIN 338 | Recommended<br>cooling |
|-----------------|---------------------------------------|----------------------|--------------------------|------------------------|------------------|-------------------|------------------|------------------|-------------------|--------------------|------------------------|
| <b>Plastics</b> |                                       |                      |                          |                        |                  |                   |                  |                  |                   |                    |                        |
| PVC, polyamide  |                                       |                      | A/B/C                    | N/W                    | ●                | ●                 | ●                | ●                |                   |                    | Water                  |
| Perspex         |                                       |                      | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   | ●                  | Water                  |
| Bakelite        |                                       |                      | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   | ●                  | Water                  |
| Pertinax        |                                       |                      | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   |                    | Dry                    |
| Formica         |                                       |                      | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   |                    | Dry                    |
| Hard rubber     |                                       |                      | A/B/C                    | N                      | ●                | ●                 | ●                | ●                |                   |                    | Dry                    |

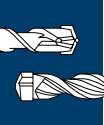
# Working in concrete and stone

Bosch especially recommends the hammer drill bits with SDS-plus or SDS-max shank for general concrete applications and reinforced concrete.

A wide range of TC tipped drill bits with cylindrical shanks are available for concrete, masonry, tiles and multi-layer materials.

|                                     | Concrete drill bits<br>Blue Granite         |   |  |  | Concrete drill bits<br>Silver Percussion |   | Masonry drill bits<br>Impact |  | Multi-purpose drill bits<br>Multi Construction |    | Tile drill bits<br>Expert for Ceramic |  | X5L | Speed X | S4L                          | Rebar Cutter | Core cutters | Speed X | Ram X | Breakthrough drill bits | Core cutters |
|-------------------------------------|---|---|--|--|--|---|------------------------------|--|--|----|---------------------------------------|--|-----|---------|------------------------------|--------------|--------------|---------|-------|-------------------------|--------------|
|                                     | Hammer and rotary drill bits<br>cylindrical |   |  |  |  |   |                              |  | Hammer drill bits<br>SDS-plus                  |    |                                       |  |     |         | Hammer drill bits<br>SDS-max |              |              |         |       |                         |              |
| Range of applications               |   |   |  |  |  |   |                              |  |  |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Concrete B35 reinforced             |   |   |  |  |  |   |                              |  |  |    |                                       |  | ●   | ●       | ●                            | *●           |              | ●       |       |                         |              |
| Concrete B45 reinforced             |   |   |  |  |  |   |                              |  |  |    |                                       |  | ●   | ●       | ●                            | *●           |              | ●       |       |                         |              |
| Concrete B35                        | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Concrete B45                        | ●   |   |  |  |  |   |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Porous concrete                     | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Limestone                           | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Masonry                             | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Clinker                             | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Solid brick                         | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | ●            | ●       | ●     | ●                       | ●            |
| Hollow core brick                   | ●   | ● |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       | ●                            |              | *●           | ●       |       | ●                       | ●            |
| Roofing tiles                       |   |   |  |  |  |   |                              |  | *●   | *● |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Granite                             | ●   |   |  |  |  |   |                              |  |  |    |                                       |  | ●   |         |                              |              |              |         | ●     |                         |              |
| Slate                               |   |   |  |  |  |   |                              |  | *●   | *● |                                       |  | ●   |         |                              |              |              |         | ●     |                         |              |
| Marble                              | ●   | ● |  |  |  | ● |                              |  | *●   | *● |                                       |  | ●   | ●       | ●                            |              | ●            | ●       |       |                         |              |
| Marble, hard                        | ●   |   |  |  |  | ● |                              |  |  |    |                                       |  | ●   | ●       |                              |              | ●            | ●       |       |                         |              |
| Tiles                               |   |   |  |  |  |   |                              |  | *●   | *● |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Ceramics                            |   |   |  |  |  |   |                              |  | *●   | *● |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Plasterboard                        |   |   |  |  |  |   |                              |  | *●   | ●  |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Cement-bonded fibre boards          |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Cement-bonded chipboard             |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Softwood                            |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Hardwood                            |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Veneered chipboard                  |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Laminated chipboard and fibre board |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Plastics                            |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |
| Multi-layer materials               |   |   |  |  |  |   |                              |  | *●   |    |                                       |  |     |         |                              |              |              |         |       |                         |              |

\* non-impact use only



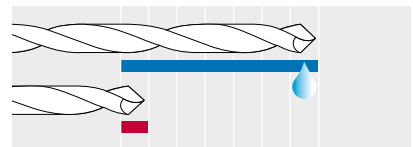


|                                     | Wood drill bits | Spur auger bits | Forstner bits | Tungsten carbide drill bits | Cantilever hinge bits | Multi-purpose drill bits Multi Construction | Installation/formwork drill bits | Spade bits |
|-------------------------------------|-----------------|-----------------|---------------|-----------------------------|-----------------------|---|----------------------------------|------------|
| <b>Wood and board materials</b>     |                 |                 |               |                             |                       |   |                                  |            |
| Softwood                            | ●               | ●               | ●             | ●                           |                       | ●   | ●                                | ●          |
| Hardwood                            | ●               | ●               | ●             | ●                           | ●                     | ●   | ●                                | ●          |
| Tropical wood                       | ●               | ●               |               | ●                           | ●                     | ●   |                                  |            |
| Plywood                             | ●               | ●               | ●             | ●                           | ●                     | ●   | ●                                | ●          |
| Veneered chipboard                  | ●               |                 | ●             | ●                           |                       | ●   |                                  | ●          |
| Laminated chipboard and fibre board | ●               |                 |               | ●                           | ●                     | ●   | ●                                | ●          |
| Formica                             | ●               |                 |               | ●                           | ●                     | ●   |                                  |            |
| Formica                             | ●               |                 |               | ●                           | ●                     | ●   |                                  |            |
| Cement-bonded chipboard             |                 |                 |               | ●                           | ●                     | ●   |                                  |            |
| Plasterboard                        |                 |                 |               |                             |                       | ●   | ●                                | ●          |
| Rockwool boards                     |                 |                 |               |                             |                       | ●   | ●                                | ●          |
| Porous concrete                     |                 |                 |               |                             |                       | ●   | ●                                | ●          |
| Thermoplasts                        |                 |                 |               | ●                           | ●                     | ●   |                                  |            |
| Duroplasts                          | ●               |                 |               | ●                           | ●                     | ●   |                                  |            |
| Hard foam materials                 | ●               |                 |               | ●                           | ●                     | ●   | ●                                | ●          |

# Speed and coolant recommendation

The ideal RPM relates to an average cutting speed. Drill geometry as well as forward pressure have a crucial influence on the right speed. The chart shown below is therefore only a recommendation; it is however based on extensive experience gained in co-operation with users.

### Operational life

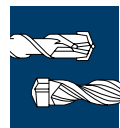


Bit life is extended when used with appropriate cooling system, max. approx. factor 6.

|                              | Tensile strength N/mm <sup>2</sup> | Rockwell hardness | Optimum drill bit tip | Optimum drill bit type | Cutting speed m/min | D 2 mm | D 5 mm | D 10 mm | D 15 mm | D 20 mm | Recommended cooling         |
|------------------------------|------------------------------------|-------------------|-----------------------|------------------------|---------------------|--------|--------|---------|---------|---------|-----------------------------|
| <b>Metals</b>                |                                    |                   |                       |                        |                     |        |        |         |         |         |                             |
| Non-alloyed structural steel | 350                                | HRB 62            | A                     | N                      | 28-30               | 4780   | 1910   | 960     | 640     | 480     | Drill emulsion, cutting oil |
| Non-alloyed structural steel | 750                                | HRC 21            | A/B/C                 | N                      | 26-28               | 4460   | 1780   | 890     | 590     | 440     | Drill emulsion, cutting oil |
| Sheet steel                  | 800                                | HRC 22            | A                     | N                      | 26-28               | 4480   | 1780   | 890     | 590     | 440     | Drill emulsion              |
| Non-alloyed tool steel       | 800                                | HRC 22            | A/B/C                 | N                      | 26-28               | 4460   | 1780   | 890     | 590     | 440     | Drill emulsion, cutting oil |
| Alloyed tool steel           | 880                                | HRC 26            | A                     | N                      | 22-24               | 3980   | 1600   | 800     | 530     | 400     | Drill emulsion, ester oil   |
| Alloyed tool steel           | 1000                               | HRC 31            | A/D                   | N                      | 12-14               | 2000   | 830    | 400     | 280     | 210     | Drill emulsion, ester oil   |

|                       | Tensile strength<br>N/mm <sup>2</sup> | Rockwell hardness | Optimum drill<br>bit tip | Optimum drill bit<br>type | Cutting speed<br>m/min | D 2 mm | D 5 mm | D 10 mm | D 15 mm | D 20 mm | Recommended<br>cooling      |
|-----------------------|---------------------------------------|-------------------|--------------------------|---------------------------|------------------------|--------|--------|---------|---------|---------|-----------------------------|
| <b>Metals</b>         |                                       |                   |                          |                           |                        |        |        |         |         |         |                             |
| Stainless steel       | 550                                   | HRB 85            | A/D                      | N                         | 14–16                  | 2390   | 960    | 480     | 320     | 240     | Ester oil, cutting oil      |
| Stainless steel       | 1100                                  | HRC 34            | D                        | N                         | 8–10                   | 1450   | 570    | 290     | 190     | 140     | Ester oil, cutting oil      |
| Fire proof steel      | 800                                   | HRC 22            | D                        | N                         | 10–12                  | 1750   | 700    | 350     | 230     | 170     | Ester oil, cutting oil      |
| Spring steel          | 1100                                  | HRC 34            | A/D                      | N                         | 8–10                   | 1450   | 570    | 290     | 190     | 140     | Ester oil, cutting oil      |
| Cast iron             | 800                                   | HRC 22            | A/C/D                    | N                         | 25–30                  | 4460   | 1780   | 890     | 590     | 450     | Dry                         |
| Malleable cast iron   | 700                                   | HRC 95            | A/C/D                    | N                         | 25–30                  | 4460   | 1780   | 890     | 590     | 450     | Drill emulsion, cutting oil |
| Cast steel            | 770                                   | HRC 20            | A/C/D                    | N                         | 20–24                  | 3500   | 1400   | 700     | 460     | 350     | Drill emulsion, cutting oil |
| Cast steel            | 1100                                  | HRC 34            | D                        | N                         | 14–16                  | 2390   | 960    | 480     | 320     | 240     | Drill emulsion, cutting oil |
| Non-alloyed aluminium | 180                                   |                   | D                        | W                         | 60–80                  | 9560   | 3820   | 1910    | 1270    | 960     | Drill emulsion, cutting oil |
| Alloyed aluminium     | 350                                   |                   | A                        | N/W                       | 50–60                  | 7950   | 3180   | 1590    | 1060    | 790     | Drill emulsion, cutting oil |
| Non-alloyed copper    |                                       |                   | D                        | W                         | 30–35                  | 5250   | 2100   | 1050    | 700     | 520     | Drill emulsion, cutting oil |
| Alloyed copper        |                                       |                   | A/B                      | N/W                       | 28–30                  | 4780   | 1910   | 960     | 640     | 480     | Drill emulsion, cutting oil |
| Bronze                |                                       |                   | A/B                      | N                         | 40–60                  | 7960   | 3180   | 1500    | 1060    | 790     | Dry                         |
| Brass                 |                                       |                   | A/B                      | H                         | 40–60                  | 7960   | 3180   | 1500    | 1080    | 790     | Drill emulsion              |
| Magnesium             |                                       |                   | D                        | N                         | 60–80                  | 9560   | 3820   | 1910    | 1270    | 980     | Dry, never water            |
| <b>Plastics</b>       |                                       |                   |                          |                           |                        |        |        |         |         |         |                             |
| PVC, polyamide        |                                       |                   | A/B/C                    | N/W                       |                        |        |        |         |         |         | Water                       |
| Perspex               |                                       |                   | A/B/C                    | N                         |                        |        |        |         |         |         | Water                       |
| Bakelite              |                                       |                   | A/B/C                    | N                         |                        |        |        |         |         |         | Water                       |
| Pertinax              |                                       |                   | A/B/C                    | N                         |                        |        |        |         |         |         | Dry                         |
| Formica               |                                       |                   | A/B/C                    | N                         |                        |        |        |         |         |         | Dry                         |
| Hard rubber           |                                       |                   | A/B/C                    | N                         |                        |        |        |         |         |         | Dry                         |

| <b>Speed table for wood drill bits</b>                         |                      |                       |                      |                     |                  |  |
|--|----------------------|-----------------------|----------------------|---------------------|------------------|--|
| Standard wood drill bits                                       | 3–6<br>1600          | 7–8<br>1400           | 8–12<br>500          | 13–18<br>700        | 20–30<br>500     | Diameter in mm<br>Speed/rpm              |
| Machine wood drill bits with M-tip<br>Length 250<br>Length 400 | 6<br>1600            | 8<br>1400<br>1000     | 10–12<br>1000<br>800 | 14–18<br>700<br>500 | 20<br>500<br>500 | Diameter in mm<br>Speed/rpm<br>Speed/rpm |
| Spade bits   | 6–25<br>1000         | 26–35<br>750          | 36–40<br>600         |                     |                  | Diameter in mm<br>Speed/rpm              |
| Wood drill bits with 90° countersink                           | 3–12<br>500–1000     |                       |                      |                     |                  | Diameter in mm<br>Speed/rpm              |
| Formwork and installation drill bits                           | 6<br>600             | 8–14<br>500           | 16–22<br>400         | 24–26<br>300        | 28–30<br>200     | Diameter in mm<br>Speed/rpm              |
| Formwork and installation drill bits<br>with SDS-plus shank    | 10–14<br>500         | 16–22<br>400          | 24–26<br>300         | 28–30<br>200        |                  | Diameter in mm<br>Speed/rpm              |
| Spur auger bits<br>Length 235<br>Length 450                    | 6–15<br>1600<br>1300 | 16–22<br>1400<br>1000 | 24–26<br>1000<br>800 | 28–32<br>800<br>800 |                  | Diameter in mm<br>Speed/rpm<br>Speed/rpm |
| Cantilever hinge cutting bits                                  | 26<br>1100           | 30–35<br>800          |                      |                     |                  | Diameter in mm<br>Speed/rpm              |
| Hinge cutting bits, Clean Hinge                                | 15–18<br>1500        | 20–26<br>1400         | 28–35<br>1000        | 36–50<br>600–700    |                  | Diameter in mm<br>Speed/rpm              |
| Forstner bits  | 10–20<br>1500        | 22–25<br>1100         | 26–30<br>900         | 32–35<br>800        | 36–50<br>600     | Diameter in mm<br>Speed/rpm              |
| Disc cutters / Shank cutters                                   | 10–15<br>1000        | 20<br>500             | 30<br>500            | 40<br>500           |                  | Diameter in mm<br>Speed/rpm              |



# Diameters for tapped holes

| Thread                                      | Drill bit diameter in mm | Thread    | Drill bit diameter in mm | Thread    | Drill bit diameter in mm | Thread    | Drill bit diameter in mm | Thread    | Drill bit diameter in mm |
|---|--------------------------|-----------|--------------------------|-----------|--------------------------|-----------|--------------------------|-----------|--------------------------|
| <b>Metric ISO-regular thread to DIN 13</b>  |                          |           |                          |           |                          |           |                          |           |                          |
| M1.0  | 0.75                     | M2.3      | 1.90                     | M6        | 5.00                     | M18       | 15.50                    | M42       | 37.50                    |
| M1.1  | 0.85                     | M2.5      | 2.00                     | M7        | 6.00                     | M20       | 17.50                    | M45       | 40.50                    |
| M1.2  | 0.95                     | M2.6      | 2.10                     | M8        | 6.80                     | M22       | 19.50                    | M48       | 43.00                    |
| M1.4  | 1.10                     | M3.0      | 2.50                     | M9        | 7.80                     | M24       | 21.00                    | M52       | 47.00                    |
| M1.4  | 1.25                     | M3.5      | 2.90                     | M10       | 8.50                     | M27       | 24.00                    | M56       | 50.50                    |
| M1.7  | 1.30                     | M4.0      | 3.30                     | M11       | 9.50                     | M30       | 26.50                    | M60       | 54.50                    |
| M1.7  | 1.40                     | M4.5      | 3.80                     | M12       | 10.20                    | M33       | 29.50                    | M64       | 58.00                    |
| M2.0  | 1.60                     | M5.0      | 4.20                     | M14       | 12.00                    | M36       | 32.00                    | M68       | 62.00                    |
| <b>Metric ISO-fine thread to DIN 13</b>     |                          |           |                          |           |                          |           |                          |           |                          |
| M3 x 0.35                                   | 2.6                      | M7 x 0.75 | 6.2                      | M18 x 1.5 | 16.5                     | M30 x 1.5 | 28.5                     | M42 x 1.5 | 40.50                    |
| M3.5 x 0.35                                 | 3.1                      | M8 x 0.75 | 7.2                      | M20 x 1.5 | 18.5                     | M32 x 1.5 | 30.5                     | M45 x 1.5 | 43.50                    |
| M4 x 0.35                                   | 3.6                      | M9 x 1    | 8.0                      | M22 x 1.5 | 20.5                     | M33 x 1.5 | 31.5                     | M48 x 1.5 | 46.50                    |
| M4 x 0.5                                    | 3.5                      | M10 x 1   | 9.0                      | M24 x 1.5 | 22.5                     | M35 x 1.5 | 33.5                     | M50 x 1.5 | 48.50                    |
| M4.5 x 0.5                                  | 4.0                      | M11 x 1   | 10.0                     | M25 x 1.5 | 23.5                     | M36 x 1.5 | 34.5                     |           |                          |
| M5 x 0.5                                    | 4.5                      | M12 x 1.5 | 10.5                     | M26 x 1.5 | 24.5                     | M38 x 1.5 | 36.5                     |           |                          |
| M5.5 x 0.5                                  | 5.0                      | M14 x 1.5 | 12.5                     | M27 x 1.5 | 25.5                     | M39 x 1.5 | 37.5                     |           |                          |
| M6 x 0.75                                   | 5.2                      | M16 x 1.5 | 14.5                     | M28 x 1.5 | 26.5                     | M40 x 1.5 | 38.5                     |           |                          |
| <b>Whitworth thread to DIN 11</b>           |                          |           |                          |           |                          |           |                          |           |                          |
| W 1/16"                                     | 1.15                     | W 7/32"   | 4.60                     | W 1/2"    | 10.50                    | W 1"      | 22.00                    | W 1 5/8"  | 35.50                    |
| W 3/32"                                     | 1.90                     | W 1/4"    | 5.10                     | W 9/16"   | 12.10                    | W 1 1/8"  | 24.75                    | W 1 3/4"  | 39.00                    |
| W 1/8"                                      | 2.60                     | W 5/16"   | 6.50                     | W 5/8"    | 13.50                    | W 1 1/4"  | 27.75                    | W 1 7/8"  | 41.50                    |
| W 5/32"                                     | 3.20                     | W 3/8"    | 7.90                     | W 3/4"    | 16.50                    | W 1 3/8"  | 30.50                    | W 2"      | 44.50                    |
| W 3/16"                                     | 3.70                     | W 7/16"   | 9.30                     | W 7/8"    | 19.25                    | W 1 1/2"  | 33.50                    |           |                          |
| <b>Whitworth pipe thread to DIN-ISO 228</b> |                          |           |                          |           |                          |           |                          |           |                          |
| G 1/8"                                      | 8.80                     | G 3/4"    | 24.50                    | G 1 3/8"  | 42.00                    | G 2 1/2"  | 72.50                    | G 3 3/4"  | 104.00                   |
| G 1/4"                                      | 11.80                    | G 7/8"    | 28.25                    | G 1 1/2"  | 45.50                    | G 2 3/4"  | 79.00                    | G 4"      | 110.50                   |
| G 3/8"                                      | 15.25                    | G 1"      | 30.75                    | G 1 3/4"  | 51.50                    | G 3"      | 85.50                    |           |                          |
| G 1/2"                                      | 19.00                    | G 1 1/8"  | 35.50                    | G 2"      | 57.00                    | G 3 1/4"  | 91.50                    |           |                          |
| G 5/8"                                      | 21.00                    | G 1 1/4"  | 39.50                    | G 2 1/4"  | 63.00                    | G 3 1/2"  | 98.00                    |           |                          |

**Bolt thread to ISO 724**

**(metric):**

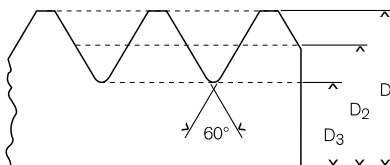
- The flank angles for the metric ISO-thread are 60°
- The threads are divided into regular and fine threads

**Whitworth nut thread (inch):**

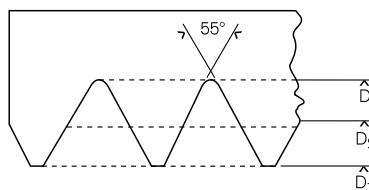
- The Whitworth thread has a flank angle of 55°
- The rated dimensions are usually in inches

**Nut thread to ISO 724 (metric):**

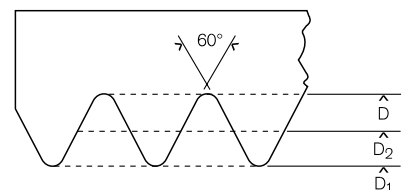
- With a regular thread, only the outer diameter is given, e.g. M12
- With a fine thread, the incline as well as the outer diameter is given, e.g. M12 x 1.5



D<sub>3</sub> Core diameter  
D<sub>2</sub> Flank diameter  
D Outer diameter



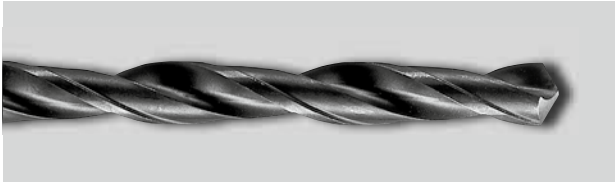
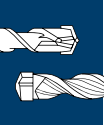
D<sub>1</sub> Core diameter  
D<sub>2</sub> Flank diameter  
D Rated dimension of the thread/  
outer diameter



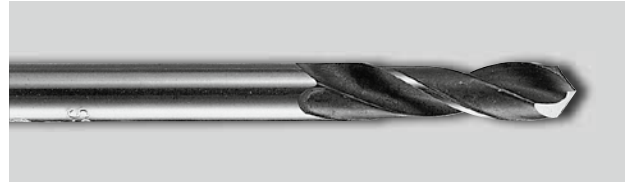
D<sub>1</sub> Core diameter  
D<sub>2</sub> Flank diameter  
D Rated dimension of the thread/  
outer diameter



# Metal drill bits, cylindrical and hexagonal shanks



**Metal drill bits HSS-R, DIN 338**  
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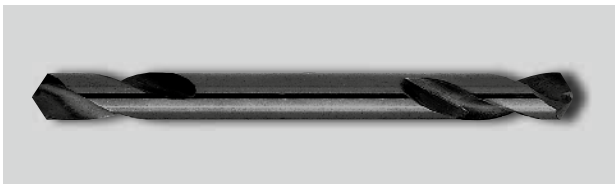
**Metal drill bits HSS-R, DIN 1897**  
Page 72



**Metal drill bits HSS-G, DIN 338 and DIN 340**  
Page 76



**Metal drill bits HSS-G with hex shank, DIN 338**  
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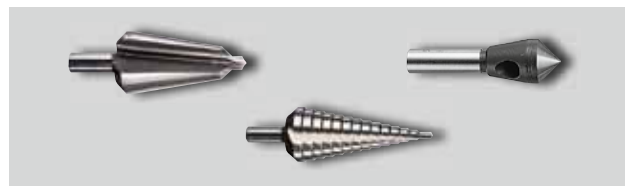
**Double-ended drill bits HSS-G**  
Page 87



**Metal drill bits HSS-Co, DIN 338**  
Page 88



**Metal drill bits HSS-TiN, DIN 338**  
Page 91



**Countersink bits, Sheet metal cone bits and Step drill bits**  
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# Metal drill bits HSS-R



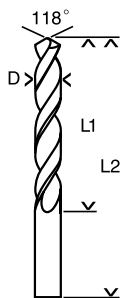
- ▶ **Suitable for** alloyed and non-alloyed steel up to a tensile strength of 900 N/mm<sup>2</sup>, non-ferrous metals, cast iron, hard plastics
- ▶ High elasticity due to low-heat shaping manufacturing process
- ▶ Low risk of breakage – especially when drilling with diameters smaller than 6 mm
- ▶ Spiral flute with oxide coating for rapid chip removal
- ▶ Long lifetimes due to tough core thickness and distinct hardness within the area of application

Torsion capability reduces the risk of breakage, e.g. when rocking the drill

## Metal drill bits HSS-R, DIN 338



B-tip



- ▶ Twist drill bit made of high speed steel manufactured to DIN 338
- ▶ Right-hand cutting twist drill bit, Type N, 118° drill bit tip, diameter tolerance h 8
- ▶ Rolled spiral flute with ground point, vapour-plated
- ▶ Shank equal to drill bit diameter, drill bit colour: black
- ▶ Two-cutter, cylindrical, two flutes
- ▶ **Note:** Use the universal cutting oil 2 607 001 409 when working with HSS-R metal drill bits

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| Pack of 2          |                        |                      |                      |                |               |                        |                    |                |                   |  |
| 1.0                | 12                     | 34                   | 2 608 596 783        | P1c            | 2             | 10                     | 064811             | GAP            | 1.31              |  |
| 1.5                | 18                     | 40                   | 2 608 596 784        | P1c            | 2             | 10                     | 064828             | GAP            | 1.36              |  |
| 2.0                | 24                     | 49                   | 2 608 596 785        | P1c            | 2             | 10                     | 064835             | GAP            | 1.38              |  |
| 2.5                | 30                     | 57                   | 2 608 596 786        | P1c            | 2             | 10                     | 064842             | GAP            | 1.62              |  |
| 2.6                | 30                     | 57                   | 2 608 596 787        | P1c            | 2             | 10                     | 064859             | GAP            | 1.66              |  |
| 3.0                | 33                     | 61                   | 2 608 596 788        | P1c            | 2             | 10                     | 064866             | GAP            | 1.73              |  |
| 3.2                | 36                     | 65                   | 2 608 596 789        | P1c            | 2             | 10                     | 064873             | GAP            | 1.80              |  |
| 3.5                | 39                     | 70                   | 2 608 596 790        | P1c            | 2             | 10                     | 064880             | GAP            | 1.87              |  |
| 4.0                | 43                     | 75                   | 2 608 596 791        | P1c            | 2             | 10                     | 064897             | GAP            | 1.90              |  |



**Metal drill bits HSS-R, DIN 338**

| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |



Pack of 1

|      |     |     |                      |      |   |    |        |     |      |
|------|-----|-----|----------------------|------|---|----|--------|-----|------|
| 4.2  | 43  | 75  | <b>2 608 596 792</b> | PC1d | 1 | 5  | 064903 | GAP | 1.33 |
| 4.5  | 47  | 80  | <b>2 608 596 793</b> | PC1d | 1 | 5  | 064910 | GAP | 1.36 |
| 4.8  | 52  | 86  | <b>2 608 596 794</b> | PC1d | 1 | 5  | 064927 | GAP | 1.42 |
| 5.0  | 52  | 86  | <b>2 608 596 795</b> | PC1d | 1 | 10 | 064934 | GAP | 1.43 |
| 5.5  | 57  | 93  | <b>2 608 596 796</b> | PC1d | 1 | 5  | 064941 | GAP | 1.67 |
| 6.0  | 57  | 93  | <b>2 608 596 797</b> | PC1d | 1 | 10 | 064958 | GAP | 1.80 |
| 6.5  | 63  | 101 | <b>2 608 596 798</b> | PC1d | 1 | 5  | 064965 | GAP | 1.86 |
| 7.0  | 69  | 109 | <b>2 608 596 799</b> | PC1d | 1 | 10 | 064972 | GAP | 2.14 |
| 7.5  | 69  | 109 | <b>2 608 596 800</b> | PC1d | 1 | 5  | 065696 | GAP | 2.48 |
| 8.0  | 75  | 117 | <b>2 608 596 801</b> | PC1d | 1 | 10 | 065702 | GAP | 2.84 |
| 8.5  | 75  | 117 | <b>2 608 596 802</b> | PC1d | 1 | 5  | 065719 | GAP | 3.23 |
| 9.0  | 81  | 125 | <b>2 608 596 803</b> | PC1d | 1 | 10 | 065726 | GAP | 3.45 |
| 10.0 | 87  | 133 | <b>2 608 596 804</b> | PC1d | 1 | 10 | 065733 | GAP | 4.15 |
| 11.0 | 94  | 142 | <b>2 608 596 805</b> | PC1d | 1 | 5  | 065740 | GAP | 5.42 |
| 12.0 | 101 | 151 | <b>2 608 596 806</b> | PC1d | 1 | 5  | 065757 | GAP | 6.29 |
| 13.0 | 101 | 151 | <b>2 608 596 807</b> | PC1d | 1 | 5  | 065764 | GAP | 7.15 |



Pack of 10

|     |    |    |                      |     |    |   |        |     |      |
|-----|----|----|----------------------|-----|----|---|--------|-----|------|
| 1.0 | 12 | 34 | <b>2 607 018 400</b> | Cof | 10 | 1 | 064736 | GAP | 5.01 |
| 1.1 | 14 | 36 | <b>2 608 596 551</b> | Cof | 10 | 1 | 086141 | GAP | 5.01 |
| 1.2 | 16 | 38 | <b>2 608 596 552</b> | Cof | 10 | 1 | 086158 | GAP | 5.08 |
| 1.3 | 16 | 38 | <b>2 608 596 553</b> | Cof | 10 | 1 | 086165 | GAP | 5.08 |
| 1.4 | 18 | 40 | <b>2 608 596 554</b> | Cof | 10 | 1 | 086172 | GAP | 5.18 |
| 1.5 | 18 | 40 | <b>2 607 018 401</b> | Cof | 10 | 1 | 064743 | GAP | 5.18 |
| 1.6 | 20 | 43 | <b>2 608 596 556</b> | Cof | 10 | 1 | 086189 | GAP | 5.18 |
| 1.7 | 20 | 43 | <b>2 608 596 670</b> | Cof | 10 | 1 | 086196 | GAP | 5.23 |
| 1.8 | 22 | 46 | <b>2 608 596 557</b> | Cof | 10 | 1 | 086202 | GAP | 5.23 |
| 1.9 | 22 | 46 | <b>2 608 596 558</b> | Cof | 10 | 1 | 086219 | GAP | 5.34 |
| 2.0 | 24 | 49 | <b>2 607 018 402</b> | Cof | 10 | 1 | 064750 | GAP | 5.34 |
| 2.1 | 24 | 49 | <b>2 607 018 403</b> | Cof | 10 | 1 | 064767 | GAP | 5.50 |
| 2.2 | 27 | 53 | <b>2 607 018 404</b> | Cof | 10 | 1 | 064774 | GAP | 5.50 |
| 2.3 | 27 | 53 | <b>2 608 596 559</b> | Cof | 10 | 1 | 086226 | GAP | 5.50 |
| 2.4 | 30 | 57 | <b>2 608 596 561</b> | Cof | 10 | 1 | 086233 | GAP | 5.65 |
| 2.5 | 30 | 57 | <b>2 607 018 405</b> | Cof | 10 | 1 | 064781 | GAP | 5.65 |
| 2.6 | 30 | 57 | <b>2 607 018 406</b> | Cof | 10 | 1 | 064798 | GAP | 5.83 |
| 2.7 | 33 | 61 | <b>2 608 596 563</b> | Cof | 10 | 1 | 086240 | GAP | 5.83 |
| 2.8 | 33 | 61 | <b>2 607 018 407</b> | Cof | 10 | 1 | 064804 | GAP | 5.98 |
| 2.9 | 33 | 61 | <b>2 608 596 564</b> | Cof | 10 | 1 | 086257 | GAP | 5.98 |
| 3.0 | 33 | 61 | <b>2 607 018 408</b> | Cof | 10 | 1 | 064989 | GAP | 5.98 |
| 3.1 | 36 | 65 | <b>2 607 018 409</b> | Cof | 10 | 1 | 064996 | GAP | 6.15 |
| 3.2 | 36 | 65 | <b>2 607 018 410</b> | Cof | 10 | 1 | 065009 | GAP | 6.15 |
| 3.3 | 36 | 65 | <b>2 607 018 411</b> | Cof | 10 | 1 | 065016 | GAP | 6.15 |
| 3.4 | 39 | 70 | <b>2 607 018 412</b> | Cof | 10 | 1 | 065023 | GAP | 6.94 |
| 3.5 | 39 | 70 | <b>2 607 018 413</b> | Cof | 10 | 1 | 065030 | GAP | 6.94 |
| 3.6 | 39 | 70 | <b>2 608 596 566</b> | Cof | 10 | 1 | 086264 | GAP | 6.94 |
| 3.7 | 39 | 70 | <b>2 608 596 567</b> | Cof | 10 | 1 | 086271 | GAP | 7.25 |
| 3.8 | 43 | 75 | <b>2 607 018 414</b> | Cof | 10 | 1 | 065047 | GAP | 7.58 |
| 3.9 | 43 | 75 | <b>2 608 596 568</b> | Cof | 10 | 1 | 086288 | GAP | 7.58 |

### Metal drill bits HSS-R, DIN 338

| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |

Pack of 10



|     |    |     |               |     |    |   |        |     |       |
|-----|----|-----|---------------|-----|----|---|--------|-----|-------|
| 4.0 | 43 | 75  | 2 607 018 415 | Cof | 10 | 1 | 065054 | GAP | 7.58  |
| 4.1 | 43 | 75  | 2 607 018 416 | Cof | 10 | 1 | 065061 | GAP | 8.53  |
| 4.2 | 43 | 75  | 2 607 018 417 | Cof | 10 | 1 | 065078 | GAP | 8.53  |
| 4.3 | 47 | 80  | 2 607 018 418 | Cof | 10 | 1 | 065085 | GAP | 8.53  |
| 4.4 | 47 | 80  | 2 608 596 569 | Cof | 10 | 1 | 086295 | GAP | 8.87  |
| 4.5 | 47 | 80  | 2 607 018 419 | Cof | 10 | 1 | 065092 | GAP | 8.87  |
| 4.6 | 47 | 80  | 2 608 596 571 | Cof | 10 | 1 | 086301 | GAP | 8.87  |
| 4.7 | 47 | 80  | 2 608 596 573 | Cof | 10 | 1 | 086318 | GAP | 9.83  |
| 4.8 | 52 | 86  | 2 607 018 420 | Cof | 10 | 1 | 065108 | GAP | 9.83  |
| 4.9 | 52 | 86  | 2 608 596 574 | Cof | 10 | 1 | 086325 | GAP | 9.83  |
| 5.0 | 52 | 86  | 2 607 018 421 | Cof | 10 | 1 | 065115 | GAP | 9.83  |
| 5.1 | 52 | 86  | 2 607 018 422 | Cof | 10 | 1 | 065122 | GAP | 10.95 |
| 5.2 | 52 | 86  | 2 607 018 423 | Cof | 10 | 1 | 065139 | GAP | 10.95 |
| 5.3 | 52 | 86  | 2 608 596 576 | Cof | 10 | 1 | 086332 | GAP | 11.36 |
| 5.4 | 57 | 93  | 2 608 596 577 | Cof | 10 | 1 | 086349 | GAP | 12.09 |
| 5.5 | 57 | 93  | 2 607 018 424 | Cof | 10 | 1 | 065146 | GAP | 12.09 |
| 5.6 | 57 | 93  | 2 608 596 579 | Cof | 10 | 1 | 086356 | GAP | 12.09 |
| 5.7 | 57 | 93  | 2 608 596 581 | Cof | 10 | 1 | 086363 | GAP | 12.74 |
| 5.8 | 57 | 93  | 2 608 596 582 | Cof | 10 | 1 | 086370 | GAP | 12.74 |
| 5.9 | 57 | 93  | 2 608 596 583 | Cof | 10 | 1 | 086387 | GAP | 13.37 |
| 6.0 | 57 | 93  | 2 607 018 425 | Cof | 10 | 1 | 065153 | GAP | 13.37 |
| 6.1 | 63 | 101 | 2 608 596 584 | Cof | 10 | 1 | 086394 | GAP | 13.37 |
| 6.2 | 63 | 101 | 2 608 596 586 | Cof | 10 | 1 | 086400 | GAP | 14.67 |
| 6.3 | 63 | 101 | 2 608 596 587 | Cof | 10 | 1 | 086417 | GAP | 14.67 |
| 6.4 | 63 | 101 | 2 607 018 426 | Cof | 10 | 1 | 065160 | GAP | 15.94 |
| 6.5 | 63 | 101 | 2 607 018 427 | Cof | 10 | 1 | 065177 | GAP | 15.94 |
| 6.6 | 63 | 101 | 2 608 596 588 | Cof | 10 | 1 | 086424 | GAP | 15.94 |
| 6.7 | 63 | 101 | 2 608 596 589 | Cof | 10 | 1 | 086431 | GAP | 16.64 |
| 6.8 | 69 | 109 | 2 607 018 428 | Cof | 10 | 1 | 065184 | GAP | 17.41 |
| 6.9 | 69 | 109 | 2 608 596 591 | Cof | 10 | 1 | 086448 | GAP | 17.41 |
| 7.0 | 69 | 109 | 2 607 018 429 | Cof | 10 | 1 | 065191 | GAP | 17.41 |
| 7.1 | 69 | 109 | 2 608 596 592 | Cof | 10 | 1 | 086455 | GAP | 17.41 |
| 7.2 | 69 | 109 | 2 608 596 593 | Cof | 10 | 1 | 086462 | GAP | 18.51 |
| 7.3 | 69 | 109 | 2 608 596 594 | Cof | 10 | 1 | 086479 | GAP | 18.51 |
| 7.4 | 69 | 109 | 2 608 596 596 | Cof | 10 | 1 | 086486 | GAP | 19.80 |
| 7.5 | 69 | 109 | 2 607 018 430 | Cof | 10 | 1 | 065207 | GAP | 19.80 |
| 7.6 | 75 | 117 | 2 608 596 597 | Cof | 10 | 1 | 085809 | GAP | 19.80 |
| 7.7 | 75 | 117 | 2 608 596 598 | Cof | 10 | 1 | 085816 | GAP | 20.93 |
| 7.8 | 75 | 117 | 2 608 596 599 | Cof | 10 | 1 | 085823 | GAP | 20.93 |
| 7.9 | 75 | 117 | 2 608 596 601 | Cof | 10 | 1 | 085830 | GAP | 22.06 |
| 8.0 | 75 | 117 | 2 607 018 431 | Cof | 10 | 1 | 065214 | GAP | 22.06 |
| 8.1 | 75 | 117 | 2 608 596 602 | Cof | 10 | 1 | 085847 | GAP | 22.06 |
| 8.2 | 75 | 117 | 2 608 596 603 | Cof | 10 | 1 | 085854 | GAP | 22.86 |
| 8.3 | 75 | 117 | 2 608 596 604 | Cof | 10 | 1 | 085861 | GAP | 22.86 |
| 8.4 | 75 | 117 | 2 608 596 606 | Cof | 10 | 1 | 085878 | GAP | 23.67 |
| 8.5 | 75 | 117 | 2 607 018 432 | Cof | 10 | 1 | 065221 | GAP | 23.67 |
| 8.6 | 81 | 125 | 2 608 596 607 | Cof | 10 | 1 | 085885 | GAP | 25.10 |
| 8.7 | 81 | 125 | 2 608 596 608 | Cof | 10 | 1 | 085892 | GAP | 26.56 |
| 8.8 | 81 | 125 | 2 608 596 609 | Cof | 10 | 1 | 085908 | GAP | 26.56 |
| 8.9 | 81 | 125 | 2 608 596 611 | Cof | 10 | 1 | 085915 | GAP | 27.36 |

### Metal drill bits HSS-R, DIN 338

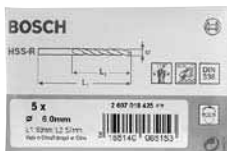
| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 10



|      |    |     |               |     |    |   |        |     |       |
|------|----|-----|---------------|-----|----|---|--------|-----|-------|
| 9.0  | 81 | 125 | 2 607 018 433 | Cof | 10 | 1 | 065238 | GAP | 27.36 |
| 9.1  | 81 | 125 | 2 608 596 612 | Cof | 10 | 1 | 085922 | GAP | 27.36 |
| 9.2  | 81 | 125 | 2 608 596 613 | Cof | 10 | 1 | 085939 | GAP | 28.64 |
| 9.3  | 81 | 125 | 2 608 596 614 | Cof | 10 | 1 | 085946 | GAP | 28.64 |
| 9.4  | 81 | 125 | 2 608 596 615 | Cof | 10 | 1 | 060691 | GAP | 29.94 |
| 9.5  | 81 | 125 | 2 607 018 434 | Cof | 10 | 1 | 065245 | GAP | 29.94 |
| 9.6  | 87 | 133 | 2 607 018 435 | Cof | 10 | 1 | 065252 | GAP | 31.05 |
| 9.7  | 87 | 133 | 2 608 596 617 | Cof | 10 | 1 | 085960 | GAP | 31.05 |
| 9.8  | 87 | 133 | 2 608 596 618 | Cof | 10 | 1 | 085977 | GAP | 31.05 |
| 9.9  | 87 | 133 | 2 608 596 619 | Cof | 10 | 1 | 085984 | GAP | 31.05 |
| 10.0 | 87 | 133 | 2 607 018 436 | Cof | 10 | 1 | 065269 | GAP | 31.05 |

Pack of 5



|      |     |     |               |     |   |   |        |     |       |
|------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 10.1 | 87  | 133 | 2 608 596 621 | Cof | 5 | 1 | 085991 | GAP | 18.60 |
| 10.2 | 87  | 133 | 2 608 596 622 | Cof | 5 | 1 | 086004 | GAP | 18.60 |
| 10.3 | 87  | 133 | 2 608 596 623 | Cof | 5 | 1 | 086011 | GAP | 18.60 |
| 10.4 | 87  | 133 | 2 608 596 624 | Cof | 5 | 1 | 086028 | GAP | 18.60 |
| 10.5 | 87  | 133 | 2 607 018 437 | Cof | 5 | 1 | 065276 | GAP | 18.60 |
| 10.6 | 87  | 133 | 2 608 596 626 | Cof | 5 | 1 | 086035 | GAP | 20.68 |
| 10.7 | 94  | 142 | 2 608 596 627 | Cof | 5 | 1 | 086042 | GAP | 20.68 |
| 10.8 | 94  | 142 | 2 608 596 628 | Cof | 5 | 1 | 086059 | GAP | 20.68 |
| 10.9 | 94  | 142 | 2 608 596 629 | Cof | 5 | 1 | 086066 | GAP | 20.68 |
| 11.0 | 94  | 142 | 2 607 018 438 | Cof | 5 | 1 | 065283 | GAP | 20.68 |
| 11.1 | 94  | 142 | 2 608 596 631 | Cof | 5 | 1 | 086073 | GAP | 23.36 |
| 11.2 | 94  | 142 | 2 608 596 632 | Cof | 5 | 1 | 086080 | GAP | 23.36 |
| 11.3 | 94  | 142 | 2 608 596 633 | Cof | 5 | 1 | 086097 | GAP | 23.36 |
| 11.4 | 94  | 142 | 2 608 596 634 | Cof | 5 | 1 | 086103 | GAP | 23.36 |
| 11.5 | 94  | 142 | 2 607 018 439 | Cof | 5 | 1 | 065290 | GAP | 23.36 |
| 11.6 | 94  | 142 | 2 608 596 635 | Cof | 5 | 1 | 086110 | GAP | 24.79 |
| 11.7 | 94  | 142 | 2 608 596 636 | Cof | 5 | 1 | 086127 | GAP | 24.79 |
| 11.8 | 94  | 142 | 2 608 596 637 | Cof | 5 | 1 | 086134 | GAP | 24.79 |
| 11.9 | 101 | 151 | 2 608 596 638 | Cof | 5 | 1 | 085458 | GAP | 24.79 |
| 12.0 | 101 | 151 | 2 607 018 440 | Cof | 5 | 1 | 065306 | GAP | 24.79 |
| 12.1 | 101 | 151 | 2 608 596 639 | Cof | 5 | 1 | 085465 | GAP | 26.96 |
| 12.2 | 101 | 151 | 2 608 596 641 | Cof | 5 | 1 | 085472 | GAP | 26.94 |
| 12.3 | 101 | 151 | 2 608 596 642 | Cof | 5 | 1 | 085489 | GAP | 26.96 |
| 12.4 | 101 | 151 | 2 608 596 643 | Cof | 5 | 1 | 085496 | GAP | 26.96 |
| 12.5 | 101 | 151 | 2 607 018 441 | Cof | 5 | 1 | 065313 | GAP | 26.96 |
| 12.6 | 101 | 151 | 2 608 596 644 | Cof | 5 | 1 | 085502 | GAP | 27.13 |
| 12.7 | 101 | 151 | 2 608 596 645 | Cof | 5 | 1 | 085519 | GAP | 27.13 |
| 12.8 | 101 | 151 | 2 608 596 646 | Cof | 5 | 1 | 085526 | GAP | 27.13 |
| 12.9 | 101 | 151 | 2 608 596 647 | Cof | 5 | 1 | 085533 | GAP | 27.13 |
| 13.0 | 101 | 151 | 2 607 018 442 | Cof | 5 | 1 | 065320 | GAP | 27.13 |

**Metal drill bits HSS-R, DIN 338**

| Diameter (D) Inch         | Working length (L1) mm | Total length (L2) mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|------------------------|----------------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b> |                        |                      | <b>Ordering information</b> |                |               |                        |                    |                |                   |

Pack of 10



|              |    |     |                      |     |    |   |        |     |       |
|--------------|----|-----|----------------------|-----|----|---|--------|-----|-------|
| <b>1/16</b>  | 20 | 43  | <b>2 607 018 443</b> | Cof | 10 | 1 | 065337 | GAP | 4.85  |
| <b>5/64</b>  | 24 | 49  | <b>2 607 018 444</b> | Cof | 10 | 1 | 065344 | GAP | 5.33  |
| <b>3/32</b>  | 30 | 57  | <b>2 607 018 445</b> | Cof | 10 | 1 | 065351 | GAP | 5.64  |
| <b>7/64</b>  | 33 | 61  | <b>2 607 018 446</b> | Cof | 10 | 1 | 065368 | GAP | 5.97  |
| <b>1/8</b>   | 36 | 65  | <b>2 607 018 447</b> | Cof | 10 | 1 | 065375 | GAP | 6.14  |
| <b>9/64</b>  | 39 | 70  | <b>2 607 018 448</b> | Cof | 10 | 1 | 065382 | GAP | 6.93  |
| <b>5/32</b>  | 43 | 75  | <b>2 607 018 449</b> | Cof | 10 | 1 | 065399 | GAP | 7.58  |
| <b>11/64</b> | 47 | 80  | <b>2 607 018 450</b> | Cof | 10 | 1 | 065405 | GAP | 8.85  |
| <b>3/16</b>  | 52 | 86  | <b>2 607 018 451</b> | Cof | 10 | 1 | 065412 | GAP | 9.83  |
| <b>13/64</b> | 52 | 86  | <b>2 607 018 452</b> | Cof | 10 | 1 | 065429 | GAP | 10.95 |
| <b>7/32</b>  | 57 | 93  | <b>2 607 018 453</b> | Cof | 10 | 1 | 065436 | GAP | 12.08 |
| <b>15/64</b> | 57 | 93  | <b>2 607 018 454</b> | Cof | 10 | 1 | 065443 | GAP | 13.37 |
| <b>1/4</b>   | 63 | 101 | <b>2 607 018 455</b> | Cof | 10 | 1 | 065450 | GAP | 15.93 |
| <b>17/64</b> | 69 | 109 | <b>2 607 018 456</b> | Cof | 10 | 1 | 065467 | GAP | 17.41 |
| <b>9/32</b>  | 69 | 109 | <b>2 607 018 457</b> | Cof | 10 | 1 | 065474 | GAP | 18.51 |
| <b>19/64</b> | 75 | 117 | <b>2 607 018 458</b> | Cof | 10 | 1 | 065481 | GAP | 19.80 |
| <b>5/16</b>  | 75 | 117 | <b>2 607 018 459</b> | Cof | 10 | 1 | 065498 | GAP | 22.06 |
| <b>21/64</b> | 75 | 117 | <b>2 607 018 460</b> | Cof | 10 | 1 | 065504 | GAP | 23.66 |
| <b>11/32</b> | 81 | 125 | <b>2 607 018 461</b> | Cof | 10 | 1 | 065511 | GAP | 26.41 |
| <b>23/64</b> | 81 | 125 | <b>2 607 018 462</b> | Cof | 10 | 1 | 065528 | GAP | 29.93 |
| <b>3/8</b>   | 87 | 133 | <b>2 607 018 463</b> | Cof | 10 | 1 | 065535 | GAP | 29.93 |
| <b>25/64</b> | 87 | 133 | <b>2 607 018 464</b> | Cof | 10 | 1 | 065542 | GAP | 31.04 |

Pack of 5

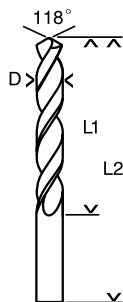


|              |     |     |                      |     |   |   |        |     |       |
|--------------|-----|-----|----------------------|-----|---|---|--------|-----|-------|
| <b>13/32</b> | 87  | 133 | <b>2 607 018 465</b> | Cof | 5 | 1 | 065559 | GAP | 19.08 |
| <b>27/64</b> | 94  | 142 | <b>2 607 018 466</b> | Cof | 5 | 1 | 065566 | GAP | 20.67 |
| <b>7/16</b>  | 94  | 142 | <b>2 607 018 467</b> | Cof | 5 | 1 | 065573 | GAP | 21.00 |
| <b>29/64</b> | 94  | 142 | <b>2 607 018 468</b> | Cof | 5 | 1 | 065580 | GAP | 24.77 |
| <b>15/32</b> | 101 | 151 | <b>2 607 018 469</b> | Cof | 5 | 1 | 065597 | GAP | 24.77 |
| <b>31/64</b> | 101 | 151 | <b>2 607 018 470</b> | Cof | 5 | 1 | 065603 | GAP | 27.11 |
| <b>1/2</b>   | 101 | 151 | <b>2 607 018 471</b> | Cof | 5 | 1 | 065610 | GAP | 27.11 |

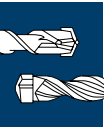
### Metal drill bits HSS-R, DIN 338 with reduced shank



- ▶ Twist drill bit made of high speed steel manufactured to DIN 338
- ▶ Right-hand cutting twist drill bit, Type N, 118° drill bit tip, diameter tolerance h 8
- ▶ Rolled spiral flute with ground point, vapour-plated
- ▶ Shank is smaller than drill bit diameter, drill bit colour: black
- ▶ Two-cutter, cylindrical, two flutes



| Product properties |                        |                      |                       | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 10.5               | 87                     | 133                  | 10                    | 2 608 595 346        | P1c            | 1             | 5                      | 323673             | GAP            | 6.43              |  |
| 11.0               | 94                     | 142                  | 10                    | 2 608 595 347        | P1c            | 1             | 5                      | 323680             | GAP            | 6.50              |  |
| 11.5               | 94                     | 142                  | 10                    | 2 608 595 348        | P1c            | 1             | 5                      | 323697             | GAP            | 6.60              |  |
| 12.0               | 101                    | 151                  | 10                    | 2 608 596 648        | P1c            | 1             | 1                      | 085540             | GAP            | 6.87              |  |
| 12.5               | 101                    | 151                  | 10                    | 2 608 596 649        | P1c            | 1             | 1                      | 085557             | GAP            | 7.18              |  |
| 13.0               | 101                    | 151                  | 10                    | 2 608 596 651        | P1c            | 1             | 1                      | 085564             | GAP            | 7.51              |  |
| 13.5               | 108                    | 160                  | 12                    | 2 608 596 672        | P1c            | 1             | 1                      | 085571             | GAP            | 9.99              |  |
| 14.0               | 108                    | 160                  | 12                    | 2 608 596 652        | P1c            | 1             | 1                      | 085588             | GAP            | 10.49             |  |
| 14.5               | 114                    | 169                  | 12                    | 2 608 596 653        | P1c            | 1             | 1                      | 085595             | GAP            | 11.44             |  |
| 15.0               | 114                    | 169                  | 12                    | 2 608 596 654        | P1c            | 1             | 1                      | 085601             | GAP            | 12.09             |  |
| 15.5               | 120                    | 178                  | 12                    | 2 608 596 655        | P1c            | 1             | 1                      | 085618             | GAP            | 13.52             |  |
| 16.0               | 120                    | 178                  | 12                    | 2 608 596 656        | P1c            | 1             | 1                      | 085625             | GAP            | 14.27             |  |
| 16.5               | 125                    | 184                  | 12                    | 2 608 596 657        | P1c            | 1             | 1                      | 085632             | GAP            | 15.86             |  |
| 17.0               | 125                    | 184                  | 12                    | 2 608 596 658        | P1c            | 1             | 1                      | 085649             | GAP            | 16.77             |  |
| 18.0               | 130                    | 191                  | 12                    | 2 608 596 659        | P1c            | 1             | 1                      | 085656             | GAP            | 18.66             |  |
| 19.0               | 135                    | 198                  | 12                    | 2 608 596 662        | P1c            | 1             | 1                      | 085663             | GAP            | 20.75             |  |
| 20.0               | 140                    | 205                  | 12                    | 2 608 596 663        | P1c            | 1             | 1                      | 085670             | GAP            | 23.99             |  |





# Stub drill bits HSS-R



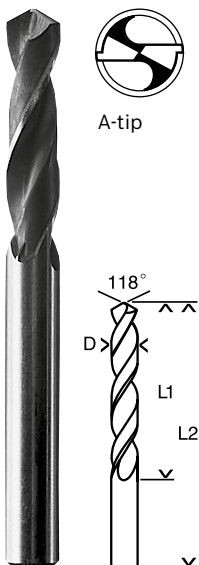
- ▶ **Suitable for** structural steel, alloyed metal and non-ferrous metal up to a tensile strength of 900 N/mm<sup>2</sup>
- ▶ For drilling in sheet metals and pipes with a thickness of 2 to 6 mm
- ▶ For stationary use and especially suitable for hand-held drills
- ▶ Exact drilling without pre-punching due to self-centring drill bit tip
- ▶ Extra-short drill bits for confined spaces
- ▶ Flute with an ideal working length for most types of work
- ▶ Self-centring drill bit tip for a precise drilling start without pre-punching

Clean work, even in confined spaces

## Stub drill bits, HSS-R, DIN 1897



- ▶ Twist drill bit made of high speed steel manufactured to DIN 1897
- ▶ Right-hand cutting twist drill bit, Type N, 118° drill bit tip, split point manufactured to DIN 1412 C, diameter tolerance h 8
- ▶ Rolled spiral flute with ground point, vapour-plated
- ▶ Shank equal to drill bit diameter, drill bit colour: black
- ▶ Two-cutter, cylindrical, two flutes



| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 10

|     |    |    |                      |     |    |   |        |     |       |
|-----|----|----|----------------------|-----|----|---|--------|-----|-------|
| 2.0 | 12 | 38 | <b>2 608 597 209</b> | Cof | 10 | 1 | 099769 | GAP | 7.13  |
| 2.5 | 14 | 43 | <b>2 608 597 214</b> | Cof | 10 | 1 | 099813 | GAP | 7.26  |
| 3.0 | 16 | 46 | <b>2 608 597 219</b> | Cof | 10 | 1 | 099868 | GAP | 9.74  |
| 3.2 | 18 | 49 | <b>2 608 597 221</b> | Cof | 10 | 1 | 099882 | GAP | 9.74  |
| 3.3 | 18 | 49 | <b>2 608 597 223</b> | Cof | 10 | 1 | 099905 | GAP | 9.74  |
| 3.5 | 20 | 52 | <b>2 608 597 225</b> | Cof | 10 | 1 | 099929 | GAP | 9.74  |
| 3.8 | 22 | 55 | <b>2 608 597 229</b> | Cof | 10 | 1 | 099967 | GAP | 11.43 |

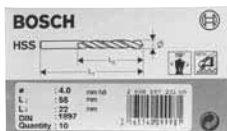


### Stub drill bits HSS-R, DIN 1897

| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

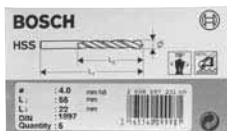
Pack of 10

|     |    |    |               |     |    |   |        |     |       |
|-----|----|----|---------------|-----|----|---|--------|-----|-------|
| 4.0 | 22 | 55 | 2 608 597 231 | Cof | 10 | 1 | 099981 | GAP | 11.43 |
| 4.1 | 22 | 55 | 2 608 597 232 | Cof | 10 | 1 | 099998 | GAP | 11.43 |
| 4.2 | 22 | 55 | 2 608 597 233 | Cof | 10 | 1 | 100007 | GAP | 11.43 |
| 4.5 | 24 | 58 | 2 608 597 236 | Cof | 10 | 1 | 100038 | GAP | 13.11 |
| 4.7 | 24 | 58 | 2 608 597 238 | Cof | 10 | 1 | 100052 | GAP | 13.76 |
| 4.8 | 26 | 62 | 2 608 597 239 | Cof | 10 | 1 | 100069 | GAP | 13.76 |
| 4.9 | 26 | 62 | 2 608 597 240 | Cof | 10 | 1 | 100076 | GAP | 15.08 |
| 5.0 | 26 | 62 | 2 608 597 241 | Cof | 10 | 1 | 100083 | GAP | 15.21 |
| 5.1 | 26 | 62 | 2 608 597 242 | Cof | 10 | 1 | 100090 | GAP | 17.66 |
| 5.2 | 26 | 62 | 2 608 597 243 | Cof | 10 | 1 | 100106 | GAP | 17.66 |
| 5.3 | 26 | 66 | 2 608 597 244 | Cof | 10 | 1 | 100113 | GAP | 17.66 |
| 5.5 | 28 | 66 | 2 608 597 246 | Cof | 10 | 1 | 100137 | GAP | 17.33 |
| 5.6 | 28 | 66 | 2 608 597 247 | Cof | 10 | 1 | 100144 | GAP | 16.35 |
| 5.7 | 28 | 66 | 2 608 597 248 | Cof | 10 | 1 | 100151 | GAP | 16.87 |
| 5.8 | 28 | 66 | 2 608 597 249 | Cof | 10 | 1 | 100168 | GAP | 17.37 |
| 5.9 | 28 | 66 | 2 608 597 250 | Cof | 10 | 1 | 100175 | GAP | 17.37 |
| 6.0 | 28 | 66 | 2 608 597 251 | Cof | 10 | 1 | 100182 | GAP | 19.70 |
| 6.5 | 31 | 70 | 2 608 597 252 | Cof | 10 | 1 | 100199 | GAP | 22.84 |



Pack of 5

|      |    |    |               |     |   |   |        |     |       |
|------|----|----|---------------|-----|---|---|--------|-----|-------|
| 7.0  | 34 | 74 | 2 608 597 253 | Cof | 5 | 1 | 100205 | GAP | 22.84 |
| 8.0  | 37 | 79 | 2 608 597 255 | Cof | 5 | 1 | 100229 | GAP | 19.29 |
| 9.0  | 40 | 84 | 2 608 597 257 | Cof | 5 | 1 | 100243 | GAP | 26.07 |
| 10.0 | 43 | 89 | 2 608 597 259 | Cof | 5 | 1 | 100267 | GAP | 44.14 |



### Metal drill bit sets HSS-R (rolled), DIN 338



| Product properties |             | Ordering information |               |                        |                    |                |                   |  |
|--------------------|-------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Part number | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

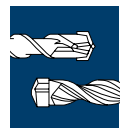
5-piece metal drill bit set HSS-R, DIN 338

|     |               |     |   |   |        |     |      |
|-----|---------------|-----|---|---|--------|-----|------|
| 2.0 | 2 607 018 351 | P1c | 5 | 1 | 061070 | GAZ | 6.60 |
| 3.0 |               |     |   |   |        |     |      |
| 4.0 |               |     |   |   |        |     |      |
| 5.0 |               |     |   |   |        |     |      |
| 6.0 |               |     |   |   |        |     |      |



6-piece metal drill bit set HSS-R, DIN 338

|     |               |     |   |   |        |     |      |
|-----|---------------|-----|---|---|--------|-----|------|
| 2.0 | 2 607 018 352 | P1k | 6 | 1 | 061087 | GAZ | 6.71 |
| 3.0 |               |     |   |   |        |     |      |
| 4.0 |               |     |   |   |        |     |      |
| 5.0 |               |     |   |   |        |     |      |
| 6.0 |               |     |   |   |        |     |      |
| 8.0 |               |     |   |   |        |     |      |



### Metal drill bit sets HSS-R (rolled), DIN 338



| Product properties |  | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|--|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|                    |  | Diameter mm          | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

10-piece metal drill bit set HSS-R, DIN 338



|      |               |     |    |   |        |     |       |
|------|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 1 609 200 203 | P1k | 10 | 1 | 004244 | GAZ | 15.85 |
| 2.0  |               |     |    |   |        |     |       |
| 3.0  |               |     |    |   |        |     |       |
| 4.0  |               |     |    |   |        |     |       |
| 5.0  |               |     |    |   |        |     |       |
| 6.0  |               |     |    |   |        |     |       |
| 7.0  |               |     |    |   |        |     |       |
| 8.0  |               |     |    |   |        |     |       |
| 9.0  |               |     |    |   |        |     |       |
| 10.0 |               |     |    |   |        |     |       |

13-piece metal drill bit set HSS-R, DIN 338



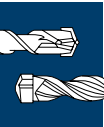
|        |               |     |    |   |        |     |       |
|--------|---------------|-----|----|---|--------|-----|-------|
| 1.5    | 1 609 200 201 | P1k | 13 | 1 | 004220 | GAZ | 13.25 |
| 2.0    |               |     |    |   |        |     |       |
| 2.5    |               |     |    |   |        |     |       |
| 3.0    |               |     |    |   |        |     |       |
| 3.2    |               |     |    |   |        |     |       |
| 3.5    |               |     |    |   |        |     |       |
| 4.0    |               |     |    |   |        |     |       |
| 4.5    |               |     |    |   |        |     |       |
| 4.8    |               |     |    |   |        |     |       |
| 5.0    |               |     |    |   |        |     |       |
| 5.5    |               |     |    |   |        |     |       |
| 6.0    |               |     |    |   |        |     |       |
| 6.5    |               |     |    |   |        |     |       |
| 1/16"  | 2 607 018 353 | P1k | 13 | 1 | 061094 | GAZ | 11.24 |
| 5/64"  |               |     |    |   |        |     |       |
| 3/32"  |               |     |    |   |        |     |       |
| 27/64" |               |     |    |   |        |     |       |
| 1/8"   |               |     |    |   |        |     |       |
| 9/64"  |               |     |    |   |        |     |       |
| 5/32"  |               |     |    |   |        |     |       |
| 11/64" |               |     |    |   |        |     |       |
| 3/16"  |               |     |    |   |        |     |       |
| 13/64" |               |     |    |   |        |     |       |
| 7/32"  |               |     |    |   |        |     |       |
| 15/64" |               |     |    |   |        |     |       |
| 1/4"   |               |     |    |   |        |     |       |

19-piece metal drill bit set HSS-R, DIN 338



|      |               |     |    |   |        |     |       |
|------|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 2 607 018 354 | P1k | 19 | 1 | 061100 | GAZ | 30.55 |
| 1.5  |               |     |    |   |        |     |       |
| 2.0  |               |     |    |   |        |     |       |
| 2.5  |               |     |    |   |        |     |       |
| 3.0  |               |     |    |   |        |     |       |
| 3.5  |               |     |    |   |        |     |       |
| 4.0  |               |     |    |   |        |     |       |
| 4.5  |               |     |    |   |        |     |       |
| 5.0  |               |     |    |   |        |     |       |
| 5.5  |               |     |    |   |        |     |       |
| 6.0  |               |     |    |   |        |     |       |
| 6.5  |               |     |    |   |        |     |       |
| 7.0  |               |     |    |   |        |     |       |
| 7.5  |               |     |    |   |        |     |       |
| 8.0  |               |     |    |   |        |     |       |
| 8.5  |               |     |    |   |        |     |       |
| 9.0  |               |     |    |   |        |     |       |
| 9.5  |               |     |    |   |        |     |       |
| 10.0 |               |     |    |   |        |     |       |

### Metal drill bit sets HSS-R (rolled), DIN 338



| Product properties |  | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|--|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|                    |  | Diameter mm          | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

19-piece metal drill bit set HSS-R, DIN 338



|      |               |     |    |   |        |     |       |
|------|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 2 607 018 355 | M1a | 19 | 1 | 061117 | GAZ | 26.45 |
| 1.5  |               |     |    |   |        |     |       |
| 2.0  |               |     |    |   |        |     |       |
| 2.5  |               |     |    |   |        |     |       |
| 3.0  |               |     |    |   |        |     |       |
| 3.5  |               |     |    |   |        |     |       |
| 4.0  |               |     |    |   |        |     |       |
| 4.5  |               |     |    |   |        |     |       |
| 5.0  |               |     |    |   |        |     |       |
| 5.5  |               |     |    |   |        |     |       |
| 6.0  |               |     |    |   |        |     |       |
| 6.5  |               |     |    |   |        |     |       |
| 7.0  |               |     |    |   |        |     |       |
| 7.5  |               |     |    |   |        |     |       |
| 8.0  |               |     |    |   |        |     |       |
| 8.5  |               |     |    |   |        |     |       |
| 9.0  |               |     |    |   |        |     |       |
| 9.5  |               |     |    |   |        |     |       |
| 10.0 |               |     |    |   |        |     |       |

25-piece metal drill bit set HSS-R, DIN 338



|      |               |     |    |   |        |     |       |
|------|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 2 607 018 725 | M1a | 25 | 1 | 145886 | GAZ | 62.36 |
| 1.5  |               |     |    |   |        |     |       |
| 2.0  |               |     |    |   |        |     |       |
| 2.5  |               |     |    |   |        |     |       |
| 3.0  |               |     |    |   |        |     |       |
| 3.5  |               |     |    |   |        |     |       |
| 4.0  |               |     |    |   |        |     |       |
| 4.5  |               |     |    |   |        |     |       |
| 5.0  |               |     |    |   |        |     |       |
| 5.5  |               |     |    |   |        |     |       |
| 6.0  |               |     |    |   |        |     |       |
| 6.5  |               |     |    |   |        |     |       |
| 7.0  |               |     |    |   |        |     |       |
| 7.5  |               |     |    |   |        |     |       |
| 8.0  |               |     |    |   |        |     |       |
| 8.5  |               |     |    |   |        |     |       |
| 9.0  |               |     |    |   |        |     |       |
| 9.5  |               |     |    |   |        |     |       |
| 10.0 |               |     |    |   |        |     |       |
| 10.5 |               |     |    |   |        |     |       |
| 11.0 |               |     |    |   |        |     |       |
| 11.5 |               |     |    |   |        |     |       |
| 12.0 |               |     |    |   |        |     |       |
| 12.5 |               |     |    |   |        |     |       |
| 13.0 |               |     |    |   |        |     |       |

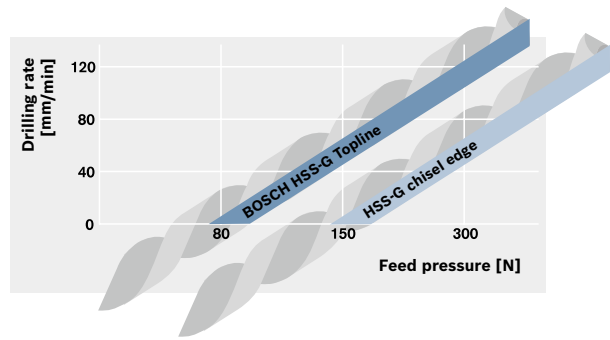


7-piece metal drill bit set

|      |               |     |   |   |        |     |       |
|------|---------------|-----|---|---|--------|-----|-------|
| 2.0  | 2 607 017 036 | P1k | 7 | 4 | 557375 | GAZ | 13.70 |
| 3.0  |               |     |   |   |        |     |       |
| 4.0  |               |     |   |   |        |     |       |
| 5.0  |               |     |   |   |        |     |       |
| 6.0  |               |     |   |   |        |     |       |
| 8.0  |               |     |   |   |        |     |       |
| 10.0 |               |     |   |   |        |     |       |

# Metal drill bits HSS-G

- ▶ **Suitable for** alloyed and non-alloyed steel up to a tensile strength of 900 N/mm<sup>2</sup>, cast steel, cast iron, sintered iron, malleable cast iron, non-ferrous metals and hard plastics
- ▶ Precision-ground HSS-G drill bit enables up to 40% faster drilling rate and up to 50% lower feed pressure than standard-ground HSS drill bits with a chisel edge
- ▶ Self-centering split point drill tip means there is no need to pre-punch or pilot drill up to 10 mm diameter
- ▶ The HSS-G drill bits are available in two quality levels. The Topline drill bits are for the toughest jobs and the standard drill bits are for professional use



Metal drill bits HSS-G: up to 40% faster or 50% less feed pressure

## Metal drill bits HSS-G, DIN 338



A-tip



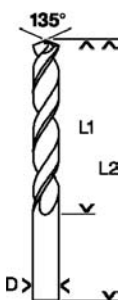
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 2

|     |    |    |                      |     |   |    |        |     |      |
|-----|----|----|----------------------|-----|---|----|--------|-----|------|
| 1.0 | 12 | 34 | <b>2 608 585 906</b> | P2a | 2 | 10 | 521413 | GAP | 1.65 |
| 1.5 | 18 | 40 | <b>2 608 585 907</b> | P2a | 2 | 5  | 521420 | GAP | 1.68 |
| 2.0 | 24 | 49 | <b>2 608 585 908</b> | P2a | 2 | 10 | 521437 | GAP | 1.78 |
| 2.5 | 30 | 57 | <b>2 608 585 909</b> | P2a | 2 | 5  | 521444 | GAP | 1.87 |
| 2.6 | 30 | 57 | <b>2 608 585 910</b> | P2a | 2 | 5  | 521451 | GAP | 1.94 |
| 3.0 | 33 | 61 | <b>2 608 585 911</b> | P2a | 2 | 10 | 521468 | GAP | 1.94 |
| 3.2 | 36 | 65 | <b>2 608 585 912</b> | P2a | 2 | 5  | 521475 | GAP | 2.27 |
| 3.3 | 36 | 65 | <b>2 608 585 913</b> | P2a | 2 | 5  | 521482 | GAP | 2.27 |
| 3.5 | 39 | 70 | <b>2 608 585 914</b> | P2a | 2 | 5  | 521499 | GAP | 2.27 |
| 3.8 | 43 | 75 | <b>2 608 585 915</b> | P2a | 2 | 5  | 521505 | GAP | 2.48 |
| 4.0 | 43 | 75 | <b>2 608 585 916</b> | P2a | 2 | 10 | 521512 | GAP | 2.48 |

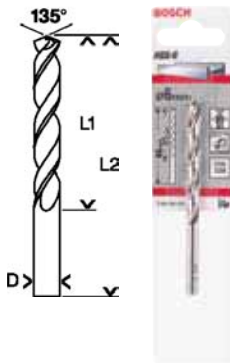
Pack of 1

|     |    |     |                      |     |   |    |        |     |      |
|-----|----|-----|----------------------|-----|---|----|--------|-----|------|
| 4.1 | 43 | 75  | <b>2 608 585 917</b> | P2a | 1 | 5  | 521529 | GAP | 1.42 |
| 4.2 | 43 | 75  | <b>2 608 585 918</b> | P2a | 1 | 5  | 521536 | GAP | 1.42 |
| 4.3 | 47 | 80  | <b>2 608 585 919</b> | P2a | 1 | 5  | 521543 | GAP | 1.42 |
| 4.5 | 47 | 80  | <b>2 608 585 920</b> | P2a | 1 | 5  | 521550 | GAP | 1.42 |
| 4.8 | 52 | 86  | <b>2 608 585 921</b> | P2a | 1 | 5  | 521567 | GAP | 1.62 |
| 5.0 | 52 | 86  | <b>2 608 585 922</b> | P2a | 1 | 10 | 521574 | GAP | 1.62 |
| 5.1 | 52 | 86  | <b>2 608 585 923</b> | P2a | 1 | 5  | 521581 | GAP | 1.87 |
| 5.2 | 52 | 86  | <b>2 608 585 924</b> | P2a | 1 | 5  | 521598 | GAP | 1.87 |
| 5.5 | 57 | 93  | <b>2 608 585 925</b> | P2a | 1 | 5  | 521604 | GAP | 1.87 |
| 6.0 | 57 | 93  | <b>2 608 585 926</b> | P2a | 1 | 10 | 521611 | GAP | 2.10 |
| 6.5 | 63 | 101 | <b>2 608 585 927</b> | P2a | 1 | 5  | 521628 | GAP | 2.60 |
| 6.8 | 69 | 109 | <b>2 608 585 928</b> | P2a | 1 | 5  | 521635 | GAP | 3.02 |



### Metal drill bits HSS-G, DIN 338

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |



Pack of 1

|      |     |     |                      |     |   |    |        |     |       |
|------|-----|-----|----------------------|-----|---|----|--------|-----|-------|
| 7.0  | 69  | 109 | <b>2 608 585 929</b> | P2a | 1 | 10 | 521642 | GAP | 3.02  |
| 7.5  | 69  | 109 | <b>2 608 585 930</b> | P2a | 1 | 5  | 521659 | GAP | 3.35  |
| 7.8  | 75  | 117 | <b>2 608 585 931</b> | P2a | 1 | 5  | 521666 | GAP | 3.89  |
| 8.0  | 75  | 117 | <b>2 608 585 932</b> | P2a | 1 | 10 | 521673 | GAP | 4.20  |
| 8.5  | 75  | 117 | <b>2 608 585 933</b> | P2a | 1 | 5  | 521680 | GAP | 4.65  |
| 9.0  | 81  | 125 | <b>2 608 585 934</b> | P2a | 1 | 10 | 521697 | GAP | 5.35  |
| 9.5  | 81  | 125 | <b>2 608 585 935</b> | P2a | 1 | 5  | 521703 | GAP | 5.90  |
| 10.0 | 87  | 133 | <b>2 608 585 936</b> | P2a | 1 | 10 | 521710 | GAP | 6.79  |
| 10.5 | 87  | 133 | <b>2 608 585 937</b> | P2a | 1 | 5  | 521727 | GAP | 7.51  |
| 11.0 | 94  | 142 | <b>2 608 585 938</b> | P2a | 1 | 5  | 521734 | GAP | 8.61  |
| 11.5 | 94  | 142 | <b>2 608 585 939</b> | P2a | 1 | 5  | 521741 | GAP | 9.27  |
| 12.0 | 101 | 151 | <b>2 608 585 940</b> | P2a | 1 | 5  | 521758 | GAP | 10.57 |
| 12.5 | 101 | 151 | <b>2 608 585 941</b> | P2a | 1 | 5  | 521765 | GAP | 11.38 |
| 13.0 | 101 | 151 | <b>2 608 585 942</b> | P2a | 1 | 5  | 521772 | GAP | 12.15 |

Pack of 10



|     |    |    |                      |     |    |   |        |     |       |
|-----|----|----|----------------------|-----|----|---|--------|-----|-------|
| 1.0 | 12 | 34 | <b>2 608 595 049</b> | P2a | 10 | 1 | 290494 | GAP | 6.87  |
| 1.1 | 14 | 36 | <b>2 608 585 467</b> | P2a | 10 | 1 | 474726 | GAP | 6.99  |
| 1.2 | 16 | 38 | <b>2 608 585 468</b> | P2a | 10 | 1 | 474733 | GAP | 6.99  |
| 1.3 | 16 | 38 | <b>2 608 585 469</b> | P2a | 10 | 1 | 474740 | GAP | 6.99  |
| 1.4 | 18 | 40 | <b>2 608 585 470</b> | P2a | 10 | 1 | 474757 | GAP | 6.99  |
| 1.5 | 18 | 40 | <b>2 608 595 050</b> | P2a | 10 | 1 | 290500 | GAP | 6.99  |
| 1.6 | 20 | 43 | <b>2 608 585 471</b> | P2a | 10 | 1 | 474764 | GAP | 7.41  |
| 1.7 | 20 | 43 | <b>2 608 585 472</b> | P2a | 10 | 1 | 474771 | GAP | 7.41  |
| 1.8 | 22 | 46 | <b>2 608 585 473</b> | P2a | 10 | 1 | 474788 | GAP | 7.41  |
| 1.9 | 22 | 46 | <b>2 608 585 474</b> | P2a | 10 | 1 | 474795 | GAP | 7.41  |
| 2.0 | 24 | 49 | <b>2 608 595 051</b> | P2a | 10 | 1 | 290517 | GAP | 7.41  |
| 2.1 | 24 | 49 | <b>2 608 585 475</b> | P2a | 10 | 1 | 474801 | GAP | 7.81  |
| 2.2 | 27 | 53 | <b>2 608 595 052</b> | P2a | 10 | 1 | 290524 | GAP | 7.81  |
| 2.3 | 27 | 53 | <b>2 608 585 476</b> | P2a | 10 | 1 | 474818 | GAP | 7.81  |
| 2.4 | 30 | 57 | <b>2 608 585 477</b> | P2a | 10 | 1 | 474825 | GAP | 7.81  |
| 2.5 | 30 | 57 | <b>2 608 595 053</b> | P2a | 10 | 1 | 290531 | GAP | 7.81  |
| 2.6 | 30 | 57 | <b>2 608 585 478</b> | P2a | 10 | 1 | 474832 | GAP | 8.08  |
| 2.7 | 33 | 61 | <b>2 608 585 479</b> | P2a | 10 | 1 | 474849 | GAP | 8.08  |
| 2.8 | 33 | 61 | <b>2 608 595 054</b> | P2a | 10 | 1 | 290548 | GAP | 8.08  |
| 2.9 | 33 | 61 | <b>2 608 585 480</b> | P2a | 10 | 1 | 474856 | GAP | 8.08  |
| 3.0 | 33 | 61 | <b>2 608 595 055</b> | P2a | 10 | 1 | 290555 | GAP | 8.08  |
| 3.1 | 36 | 65 | <b>2 608 585 481</b> | P2a | 10 | 1 | 474863 | GAP | 9.42  |
| 3.2 | 36 | 65 | <b>2 608 595 056</b> | P2a | 10 | 1 | 290562 | GAP | 9.42  |
| 3.3 | 36 | 65 | <b>2 608 595 057</b> | P2a | 10 | 1 | 290579 | GAP | 9.42  |
| 3.4 | 39 | 70 | <b>2 608 585 482</b> | P2a | 10 | 1 | 474870 | GAP | 9.42  |
| 3.5 | 39 | 70 | <b>2 608 595 058</b> | P2a | 10 | 1 | 290586 | GAP | 9.42  |
| 3.6 | 39 | 70 | <b>2 608 595 332</b> | P2a | 10 | 1 | 323499 | GAP | 10.36 |
| 3.7 | 39 | 70 | <b>2 608 585 483</b> | P2a | 10 | 1 | 474887 | GAP | 10.36 |
| 3.8 | 43 | 75 | <b>2 608 585 484</b> | P2a | 10 | 1 | 474894 | GAP | 10.36 |
| 3.9 | 43 | 75 | <b>2 608 585 485</b> | P2a | 10 | 1 | 474900 | GAP | 10.36 |

**Metal drill bits HSS-G, DIN 338**



| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |



Pack of 10

|     |    |     |                      |     |    |   |        |     |       |
|-----|----|-----|----------------------|-----|----|---|--------|-----|-------|
| 4.0 | 43 | 75  | <b>2 608 595 059</b> | P2a | 10 | 1 | 290593 | GAP | 10.36 |
| 4.1 | 43 | 75  | <b>2 608 585 486</b> | P2a | 10 | 1 | 474917 | GAP | 11.85 |
| 4.2 | 43 | 75  | <b>2 608 595 060</b> | P2a | 10 | 1 | 290609 | GAP | 11.85 |
| 4.3 | 47 | 80  | <b>2 608 585 487</b> | P2a | 10 | 1 | 474924 | GAP | 11.85 |
| 4.4 | 47 | 80  | <b>2 608 595 333</b> | P2a | 10 | 1 | 323505 | GAP | 11.85 |
| 4.5 | 47 | 80  | <b>2 608 595 061</b> | P2a | 10 | 1 | 290616 | GAP | 11.85 |
| 4.6 | 47 | 80  | <b>2 608 585 488</b> | P2a | 10 | 1 | 474931 | GAP | 13.46 |
| 4.7 | 47 | 80  | <b>2 608 585 489</b> | P2a | 10 | 1 | 474948 | GAP | 13.46 |
| 4.8 | 52 | 86  | <b>2 608 595 334</b> | P2a | 10 | 1 | 323512 | GAP | 13.46 |
| 4.9 | 52 | 86  | <b>2 608 585 490</b> | P2a | 10 | 1 | 474955 | GAP | 13.46 |
| 5.0 | 52 | 86  | <b>2 608 595 062</b> | P2a | 10 | 1 | 290623 | GAP | 13.46 |
| 5.1 | 52 | 86  | <b>2 608 585 491</b> | P2a | 10 | 1 | 474962 | GAP | 15.61 |
| 5.2 | 52 | 86  | <b>2 608 595 063</b> | P2a | 10 | 1 | 290630 | GAP | 15.61 |
| 5.3 | 52 | 86  | <b>2 608 585 492</b> | P2a | 10 | 1 | 474979 | GAP | 15.61 |
| 5.4 | 57 | 93  | <b>2 608 585 493</b> | P2a | 10 | 1 | 474986 | GAP | 15.61 |
| 5.5 | 57 | 93  | <b>2 608 595 064</b> | P2a | 10 | 1 | 290647 | GAP | 15.61 |
| 5.6 | 57 | 93  | <b>2 608 585 494</b> | P2a | 10 | 1 | 474993 | GAP | 17.50 |
| 5.7 | 57 | 93  | <b>2 608 585 495</b> | P2a | 10 | 1 | 475006 | GAP | 17.50 |
| 5.8 | 57 | 93  | <b>2 608 595 065</b> | P2a | 10 | 1 | 290654 | GAP | 17.50 |
| 5.9 | 57 | 93  | <b>2 608 585 496</b> | P2a | 10 | 1 | 475013 | GAP | 17.50 |
| 6.0 | 57 | 93  | <b>2 608 595 066</b> | P2a | 10 | 1 | 290661 | GAP | 17.50 |
| 6.1 | 63 | 101 | <b>2 608 585 497</b> | P2a | 10 | 1 | 475020 | GAP | 21.66 |
| 6.2 | 63 | 101 | <b>2 608 595 067</b> | P2a | 10 | 1 | 290678 | GAP | 21.66 |
| 6.3 | 63 | 101 | <b>2 608 585 498</b> | P2a | 10 | 1 | 475037 | GAP | 21.66 |
| 6.4 | 63 | 101 | <b>2 608 595 335</b> | P2a | 10 | 1 | 323529 | GAP | 21.66 |
| 6.5 | 63 | 101 | <b>2 608 595 068</b> | P2a | 10 | 1 | 290685 | GAP | 21.66 |
| 6.6 | 63 | 101 | <b>2 608 585 499</b> | P2a | 10 | 1 | 475044 | GAP | 25.16 |
| 6.7 | 63 | 101 | <b>2 608 595 336</b> | P2a | 10 | 1 | 323536 | GAP | 25.16 |
| 6.8 | 69 | 109 | <b>2 608 595 069</b> | P2a | 10 | 1 | 290692 | GAP | 25.16 |
| 6.9 | 69 | 109 | <b>2 608 585 500</b> | P2a | 10 | 1 | 475051 | GAP | 25.16 |
| 7.0 | 69 | 109 | <b>2 608 595 070</b> | P2a | 10 | 1 | 290708 | GAP | 25.16 |
| 7.1 | 69 | 109 | <b>2 608 585 501</b> | P2a | 10 | 1 | 475068 | GAP | 27.86 |
| 7.2 | 69 | 109 | <b>2 608 595 337</b> | P2a | 10 | 1 | 323543 | GAP | 27.86 |
| 7.3 | 69 | 109 | <b>2 608 585 502</b> | P2a | 10 | 1 | 475075 | GAP | 27.86 |
| 7.4 | 69 | 109 | <b>2 608 585 503</b> | P2a | 10 | 1 | 475082 | GAP | 27.86 |
| 7.5 | 69 | 109 | <b>2 608 595 071</b> | P2a | 10 | 1 | 290715 | GAP | 27.86 |
| 7.6 | 75 | 117 | <b>2 608 585 504</b> | P2a | 10 | 1 | 475099 | GAP | 32.42 |
| 7.7 | 75 | 117 | <b>2 608 585 505</b> | P2a | 10 | 1 | 475105 | GAP | 32.42 |
| 7.8 | 75 | 117 | <b>2 608 585 506</b> | P2a | 10 | 1 | 475112 | GAP | 32.42 |
| 7.9 | 75 | 117 | <b>2 608 585 507</b> | P2a | 10 | 1 | 475129 | GAP | 32.42 |



Pack of 5

|     |    |     |                      |     |   |   |        |     |       |
|-----|----|-----|----------------------|-----|---|---|--------|-----|-------|
| 8.0 | 75 | 117 | <b>2 608 595 072</b> | P2a | 5 | 1 | 290722 | GAP | 17.53 |
| 8.1 | 75 | 117 | <b>2 608 585 508</b> | P2a | 5 | 1 | 475136 | GAP | 19.35 |
| 8.2 | 75 | 117 | <b>2 608 585 509</b> | P2a | 5 | 1 | 475143 | GAP | 19.35 |
| 8.3 | 75 | 117 | <b>2 608 585 510</b> | P2a | 5 | 1 | 475150 | GAP | 19.35 |
| 8.4 | 75 | 117 | <b>2 608 585 511</b> | P2a | 5 | 1 | 475167 | GAP | 19.35 |
| 8.5 | 75 | 117 | <b>2 608 595 073</b> | P2a | 5 | 1 | 290739 | GAP | 19.35 |
| 8.6 | 81 | 125 | <b>2 608 585 512</b> | P2a | 5 | 1 | 475174 | GAP | 22.26 |
| 8.7 | 81 | 125 | <b>2 608 585 513</b> | P2a | 5 | 1 | 475181 | GAP | 22.26 |
| 8.8 | 81 | 125 | <b>2 608 595 074</b> | P2a | 5 | 1 | 290746 | GAP | 22.26 |
| 8.9 | 81 | 125 | <b>2 608 585 514</b> | P2a | 5 | 1 | 475198 | GAP | 22.26 |

**Metal drill bits HSS-G, DIN 338**

| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |



Pack of 5

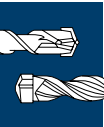
|      |     |     |                |     |   |   |        |     |       |
|------|-----|-----|----------------|-----|---|---|--------|-----|-------|
| 9.0  | 81  | 125 | 2 608 595 075  | P2a | 5 | 1 | 290753 | GAP | 22.26 |
| 9.1  | 81  | 125 | 2 608 585 515  | P2a | 5 | 1 | 475204 | GAP | 24.59 |
| 9.2  | 81  | 125 | 2 608 585 516  | P2a | 5 | 1 | 475211 | GAP | 24.59 |
| 9.3  | 81  | 125 | 2 608 585 517  | P2a | 5 | 1 | 475228 | GAP | 24.59 |
| 9.4  | 81  | 125 | 2 608 585 518  | P2a | 5 | 1 | 475235 | GAP | 24.59 |
| 9.5  | 81  | 125 | 2 608 595 076  | P2a | 5 | 1 | 290760 | GAP | 24.59 |
| 9.6  | 87  | 133 | 2 608 585 519  | P2a | 5 | 1 | 475242 | GAP | 28.29 |
| 9.7  | 87  | 133 | 2 608 585 520  | P2a | 5 | 1 | 475259 | GAP | 28.29 |
| 9.8  | 87  | 133 | 2 608 595 338  | P2a | 5 | 1 | 323550 | GAP | 28.29 |
| 9.9  | 87  | 133 | 2 608 585 521  | P2a | 5 | 1 | 475266 | GAP | 28.29 |
| 10.0 | 87  | 133 | 2 608 595 077  | P2a | 5 | 1 | 290777 | GAP | 28.29 |
| 10.1 | 87  | 133 | 2 608 585 522  | P2a | 5 | 1 | 475273 | GAP | 31.28 |
| 10.2 | 87  | 133 | 2 608 585 523  | P2a | 5 | 1 | 475280 | GAP | 31.28 |
| 10.3 | 87  | 133 | 2 608 585 524  | P2a | 5 | 1 | 475297 | GAP | 30.98 |
| 10.4 | 87  | 133 | 2 608 585 525  | P2a | 5 | 1 | 475303 | GAP | 31.28 |
| 10.5 | 87  | 133 | 2 608 595 078  | P2a | 5 | 1 | 290784 | GAP | 31.29 |
| 10.6 | 87  | 133 | 2 608 585 526  | P2a | 5 | 1 | 475310 | GAP | 35.86 |
| 10.7 | 94  | 142 | 2 608 585 527  | P2a | 5 | 1 | 475327 | GAP | 35.86 |
| 10.8 | 94  | 142 | 2 608 585 528  | P2a | 5 | 1 | 475334 | GAP | 35.86 |
| 10.9 | 94  | 142 | 2 608 585 529  | P2a | 5 | 1 | 475341 | GAP | 35.86 |
| 11.0 | 94  | 142 | 2 608 595 079  | P2a | 5 | 1 | 290791 | GAP | 35.86 |
| 11.1 | 94  | 142 | 2 608 585 530  | P2a | 5 | 1 | 475358 | GAP | 38.61 |
| 11.2 | 94  | 142 | 2 608 585 531  | P2a | 5 | 1 | 475365 | GAP | 38.61 |
| 11.3 | 94  | 142 | 2 608 585 532  | P2a | 5 | 1 | 475372 | GAP | 38.61 |
| 11.4 | 94  | 142 | 2 608 585 533  | P2a | 5 | 1 | 475389 | GAP | 38.61 |
| 11.5 | 94  | 142 | 2 608 595 080  | P2a | 5 | 1 | 290807 | GAP | 38.61 |
| 11.6 | 94  | 142 | 2 608 585 534  | P2a | 5 | 1 | 475396 | GAP | 44.01 |
| 11.7 | 94  | 142 | 2 608 585 535  | P2a | 5 | 1 | 475402 | GAP | 44.01 |
| 11.8 | 101 | 151 | 2 608 585 536  | P2a | 5 | 1 | 475419 | GAP | 44.01 |
| 11.9 | 101 | 151 | 2 608 585 537  | P2a | 5 | 1 | 475426 | GAP | 44.01 |
| 12.0 | 101 | 151 | 2 608 595 081  | P2a | 5 | 1 | 290814 | GAP | 44.01 |
| 12.1 | 101 | 151 | 2 608 585 538  | P2a | 5 | 1 | 475433 | GAP | 47.43 |
| 12.2 | 101 | 151 | 2 608 585 539  | P2a | 5 | 1 | 475440 | GAP | 47.43 |
| 12.3 | 101 | 151 | 2 608 585 540  | P2a | 5 | 1 | 475457 | GAP | 47.43 |
| 12.4 | 101 | 151 | 2 608 585 541  | P2a | 5 | 1 | 475464 | GAP | 47.43 |
| 12.5 | 101 | 151 | 2 608 595 082  | P2a | 5 | 1 | 290821 | GAP | 47.43 |
| 12.6 | 101 | 151 | 2 608 585 542  | P2a | 5 | 1 | 475471 | GAP | 50.62 |
| 12.7 | 101 | 151 | 2 608 585 543  | P2a | 5 | 1 | 475488 | GAP | 50.62 |
| 12.8 | 101 | 151 | 2 608 585 544  | P2a | 5 | 1 | 475495 | GAP | 50.62 |
| 12.9 | 101 | 151 | 2 608 585 545  | P2a | 5 | 1 | 475501 | GAP | 50.62 |
| 13.0 | 101 | 151 | 2 608 595 083* | P2a | 5 | 1 | 290838 | GAP | 50.62 |



Pack of 4

|      |     |     |                |     |   |   |        |     |       |
|------|-----|-----|----------------|-----|---|---|--------|-----|-------|
| 14.0 | 108 | 160 | 2 608 585 593* | P2a | 4 | 1 | 478786 | GAP | 71.00 |
| 15.0 | 114 | 169 | 2 608 585 594* | P2a | 4 | 1 | 478793 | GAP | 79.52 |
| 16.0 | 120 | 178 | 2 608 585 595* | P2a | 4 | 1 | 478809 | GAP | 90.88 |

\* Shank equal to drill bit diameter





## Metal drill bits HSS-G, DIN 338



- ▶ Twist drill bit made of high speed steel manufactured to DIN 338
- ▶ Right-hand cutting twist drill bit, Type N, 135° drill bit tip, split point manufactured to DIN 1412 C, diameter tolerance h 8
- ▶ Shank equal to drill bit diameter, drill bit colour: polished
- ▶ Two-cutter, cylindrical, two flutes
- ▶ **Note:** Use the universal cutting oil 2 607 001 409 when working with HSS-G metal drill bits

| Diameter (D) Inch  | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |

### Pack of 10

|       |    |     |               |     |    |   |        |     |       |
|-------|----|-----|---------------|-----|----|---|--------|-----|-------|
| 1/64  | 5  | 20  | 2 608 585 433 | P2a | 10 | 1 | 474382 | GAP | 27.58 |
| 1/32  | 10 | 30  | 2 608 585 434 | P2a | 10 | 1 | 474399 | GAP | 16.76 |
| 3/64  | 16 | 38  | 2 608 585 435 | P2a | 10 | 1 | 474405 | GAP | 15.13 |
| 1/16  | 20 | 43  | 2 608 585 436 | P2a | 10 | 1 | 474412 | GAP | 10.52 |
| 5/64  | 24 | 49  | 2 608 585 437 | P2a | 10 | 1 | 474429 | GAP | 11.64 |
| 3/32  | 30 | 57  | 2 608 585 438 | P2a | 10 | 1 | 474436 | GAP | 9.40  |
| 7/64  | 33 | 61  | 2 608 585 439 | P2a | 10 | 1 | 474443 | GAP | 11.64 |
| 1/8   | 36 | 65  | 2 608 585 440 | P2a | 10 | 1 | 474450 | GAP | 9.90  |
| 9/64  | 39 | 70  | 2 608 585 441 | P2a | 10 | 1 | 474467 | GAP | 13.08 |
| 5/32  | 43 | 75  | 2 608 585 442 | P2a | 10 | 1 | 474474 | GAP | 11.96 |
| 11/64 | 47 | 80  | 2 608 585 443 | P2a | 10 | 1 | 474481 | GAP | 15.79 |
| 3/16  | 52 | 86  | 2 608 585 444 | P2a | 10 | 1 | 474498 | GAP | 14.51 |
| 13/64 | 52 | 86  | 2 608 585 445 | P2a | 10 | 1 | 474504 | GAP | 19.45 |
| 7/32  | 57 | 93  | 2 608 585 446 | P2a | 10 | 1 | 474511 | GAP | 18.03 |
| 15/64 | 57 | 93  | 2 608 585 447 | P2a | 10 | 1 | 474528 | GAP | 24.07 |
| 1/4   | 63 | 101 | 2 608 585 448 | P2a | 10 | 1 | 474535 | GAP | 22.31 |
| 17/64 | 69 | 109 | 2 608 585 449 | P2a | 10 | 1 | 474542 | GAP | 29.81 |
| 9/32  | 69 | 109 | 2 608 585 450 | P2a | 10 | 1 | 474559 | GAP | 27.57 |
| 19/64 | 75 | 117 | 2 608 585 451 | P2a | 10 | 1 | 474566 | GAP | 18.17 |
| 5/16  | 75 | 117 | 2 608 585 452 | P2a | 10 | 1 | 474573 | GAP | 16.83 |



### Pack of 5

|       |     |     |               |     |   |   |        |     |       |
|-------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 21/64 | 75  | 117 | 2 608 585 453 | P2a | 5 | 1 | 474580 | GAP | 22.24 |
| 11/32 | 81  | 125 | 2 608 585 454 | P2a | 5 | 1 | 474597 | GAP | 20.40 |
| 23/64 | 81  | 125 | 2 608 585 455 | P2a | 5 | 1 | 474603 | GAP | 26.86 |
| 3/8   | 87  | 133 | 2 608 585 456 | P2a | 5 | 1 | 474610 | GAP | 24.56 |
| 25/64 | 87  | 133 | 2 608 585 457 | P2a | 5 | 1 | 474627 | GAP | 32.14 |
| 13/32 | 87  | 133 | 2 608 585 458 | P2a | 5 | 1 | 474634 | GAP | 29.34 |
| 27/64 | 94  | 142 | 2 608 585 459 | P2a | 5 | 1 | 474641 | GAP | 38.35 |
| 7/16  | 94  | 142 | 2 608 585 460 | P2a | 5 | 1 | 474658 | GAP | 34.60 |
| 29/64 | 94  | 142 | 2 608 585 461 | P2a | 5 | 1 | 474665 | GAP | 45.44 |
| 15/32 | 101 | 151 | 2 608 585 462 | P2a | 5 | 1 | 474672 | GAP | 41.05 |
| 31/64 | 101 | 151 | 2 608 585 463 | P2a | 5 | 1 | 474689 | GAP | 53.02 |
| 1/2   | 101 | 151 | 2 608 585 464 | P2a | 5 | 1 | 474696 | GAP | 47.83 |

### Pack of 4

|      |     |     |               |     |   |   |        |     |       |
|------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 9/16 | 114 | 169 | 2 608 585 465 | P2a | 4 | 1 | 474702 | GAP | 72.10 |
| 5/8  | 120 | 178 | 2 608 585 466 | P2a | 4 | 1 | 474719 | GAP | 83.91 |



### Robust Line metal drill bit sets HSS-G (ground), 135° drill bit tip



Set size A:  
156.5 x 69.5 x 21.5 mm

| Product properties |                   | Ordering information |             |                |               |                        |                      |                |                   |  |
|--------------------|-------------------|----------------------|-------------|----------------|---------------|------------------------|----------------------|----------------|-------------------|--|
| Diameter mm        | Working length mm | Set size             | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 31 651 40... | Discount group | List Price ex vat |  |

6-piece Robust Line metal drill bit set HSS-G, DIN 338, 135°

|     |    |   |               |     |   |   |        |     |      |
|-----|----|---|---------------|-----|---|---|--------|-----|------|
| 2.0 | 24 | A | 2 607 010 529 | P1k | 6 | 1 | 446136 | GRL | 8.35 |
| 3.0 | 33 |   |               |     |   |   |        |     |      |
| 4.0 | 43 |   |               |     |   |   |        |     |      |
| 5.0 | 52 |   |               |     |   |   |        |     |      |
| 6.0 | 57 |   |               |     |   |   |        |     |      |
| 8.0 | 75 |   |               |     |   |   |        |     |      |



Set size B:  
156.5 x 106.5 x 21.5 mm

10-piece Robust Line metal drill bit set HSS-G, DIN 338, 135°

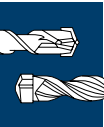
|      |    |   |               |     |    |   |        |     |       |
|------|----|---|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 12 | B | 2 607 010 535 | P1k | 10 | 1 | 446198 | GRL | 18.57 |
| 2.0  | 24 |   |               |     |    |   |        |     |       |
| 3.0  | 33 |   |               |     |    |   |        |     |       |
| 4.0  | 43 |   |               |     |    |   |        |     |       |
| 5.0  | 52 |   |               |     |    |   |        |     |       |
| 6.0  | 57 |   |               |     |    |   |        |     |       |
| 7.0  | 69 |   |               |     |    |   |        |     |       |
| 8.0  | 75 |   |               |     |    |   |        |     |       |
| 9.0  | 81 |   |               |     |    |   |        |     |       |
| 10.0 | 87 |   |               |     |    |   |        |     |       |



Set size C:  
124.0 x 106.5 x 21.5 mm

13-piece Robust Line metal drill bit set HSS-G, DIN 338, 135°

|     |    |   |               |     |    |   |        |     |       |
|-----|----|---|---------------|-----|----|---|--------|-----|-------|
| 1.5 | 18 | C | 2 607 010 538 | P1k | 13 | 1 | 446228 | GRL | 14.86 |
| 2.0 | 24 |   |               |     |    |   |        |     |       |
| 2.5 | 30 |   |               |     |    |   |        |     |       |
| 3.0 | 33 |   |               |     |    |   |        |     |       |
| 3.2 | 36 |   |               |     |    |   |        |     |       |
| 3.5 | 39 |   |               |     |    |   |        |     |       |
| 4.0 | 43 |   |               |     |    |   |        |     |       |
| 4.5 | 47 |   |               |     |    |   |        |     |       |
| 4.8 | 52 |   |               |     |    |   |        |     |       |
| 5.0 | 52 |   |               |     |    |   |        |     |       |
| 5.5 | 57 |   |               |     |    |   |        |     |       |
| 6.0 | 57 |   |               |     |    |   |        |     |       |
| 6.5 | 63 |   |               |     |    |   |        |     |       |



**Robust Line metal drill bit sets HSS-G (ground), 135° drill bit tip**



| Product properties |                   | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|-------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Working length mm | Set size             | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

19-piece metal drill bit set HSS-G, DIN 338, 135°

|      |   |   |                      |     |    |   |        |     |       |  |
|------|---|---|----------------------|-----|----|---|--------|-----|-------|--|
| 1.0  | - | - | <b>2 607 018 726</b> | M1a | 19 | 1 | 145893 | GAZ | 50.20 |  |
| 1.5  |   |   |                      |     |    |   |        |     |       |  |
| 2.0  |   |   |                      |     |    |   |        |     |       |  |
| 2.5  |   |   |                      |     |    |   |        |     |       |  |
| 3.0  |   |   |                      |     |    |   |        |     |       |  |
| 3.5  |   |   |                      |     |    |   |        |     |       |  |
| 4.0  |   |   |                      |     |    |   |        |     |       |  |
| 4.5  |   |   |                      |     |    |   |        |     |       |  |
| 5.0  |   |   |                      |     |    |   |        |     |       |  |
| 5.5  |   |   |                      |     |    |   |        |     |       |  |
| 6.0  |   |   |                      |     |    |   |        |     |       |  |
| 6.5  |   |   |                      |     |    |   |        |     |       |  |
| 7.0  |   |   |                      |     |    |   |        |     |       |  |
| 7.5  |   |   |                      |     |    |   |        |     |       |  |
| 8.0  |   |   |                      |     |    |   |        |     |       |  |
| 8.5  |   |   |                      |     |    |   |        |     |       |  |
| 9.0  |   |   |                      |     |    |   |        |     |       |  |
| 9.5  |   |   |                      |     |    |   |        |     |       |  |
| 10.0 |   |   |                      |     |    |   |        |     |       |  |



25-piece metal drill bit set HSS-G, DIN 338, 135°

|      |   |   |                      |     |    |   |        |     |       |  |
|------|---|---|----------------------|-----|----|---|--------|-----|-------|--|
| 1.0  | - | - | <b>2 607 018 727</b> | M1a | 25 | 1 | 145909 | GAZ | 99.32 |  |
| 1.5  |   |   |                      |     |    |   |        |     |       |  |
| 2.0  |   |   |                      |     |    |   |        |     |       |  |
| 2.5  |   |   |                      |     |    |   |        |     |       |  |
| 3.0  |   |   |                      |     |    |   |        |     |       |  |
| 3.5  |   |   |                      |     |    |   |        |     |       |  |
| 4.0  |   |   |                      |     |    |   |        |     |       |  |
| 4.5  |   |   |                      |     |    |   |        |     |       |  |
| 5.0  |   |   |                      |     |    |   |        |     |       |  |
| 5.5  |   |   |                      |     |    |   |        |     |       |  |
| 6.0  |   |   |                      |     |    |   |        |     |       |  |
| 6.5  |   |   |                      |     |    |   |        |     |       |  |
| 7.0  |   |   |                      |     |    |   |        |     |       |  |
| 7.5  |   |   |                      |     |    |   |        |     |       |  |
| 8.0  |   |   |                      |     |    |   |        |     |       |  |
| 8.5  |   |   |                      |     |    |   |        |     |       |  |
| 9.0  |   |   |                      |     |    |   |        |     |       |  |
| 9.5  |   |   |                      |     |    |   |        |     |       |  |
| 10.0 |   |   |                      |     |    |   |        |     |       |  |
| 10.5 |   |   |                      |     |    |   |        |     |       |  |
| 11.0 |   |   |                      |     |    |   |        |     |       |  |
| 11.5 |   |   |                      |     |    |   |        |     |       |  |
| 12.0 |   |   |                      |     |    |   |        |     |       |  |
| 12.5 |   |   |                      |     |    |   |        |     |       |  |
| 13.0 |   |   |                      |     |    |   |        |     |       |  |



### Robust Line metal drill bit sets HSS-G (ground), 118° drill bit tip

| Product properties |                   | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|-------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Working length mm | Set size             | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



Set size A:  
156.5 x 69.5 x 23 mm

#### 6-piece Robust Line metal drill bit set HSS-G, DIN 338, 118°

|     |    |   |               |     |   |   |        |     |      |
|-----|----|---|---------------|-----|---|---|--------|-----|------|
| 2.0 | 24 | A | 2 607 010 528 | P1k | 6 | 1 | 446129 | GRL | 6.96 |
| 3.0 | 33 |   |               |     |   |   |        |     |      |
| 4.0 | 43 |   |               |     |   |   |        |     |      |
| 5.0 | 52 |   |               |     |   |   |        |     |      |
| 6.0 | 57 |   |               |     |   |   |        |     |      |
| 8.0 | 75 |   |               |     |   |   |        |     |      |



Set size B:  
156.5 x 106.5 x 23 mm

#### 10-piece Robust Line metal drill bit set HSS-G, DIN 338, 118°

|      |    |   |               |     |    |   |        |     |       |
|------|----|---|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 12 | B | 2 607 010 534 | P1k | 10 | 1 | 446181 | GRL | 17.64 |
| 2.0  | 24 |   |               |     |    |   |        |     |       |
| 3.0  | 33 |   |               |     |    |   |        |     |       |
| 4.0  | 43 |   |               |     |    |   |        |     |       |
| 5.0  | 52 |   |               |     |    |   |        |     |       |
| 6.0  | 57 |   |               |     |    |   |        |     |       |
| 7.0  | 69 |   |               |     |    |   |        |     |       |
| 8.0  | 75 |   |               |     |    |   |        |     |       |
| 9.0  | 81 |   |               |     |    |   |        |     |       |
| 10.0 | 87 |   |               |     |    |   |        |     |       |



Set size C:  
124.0 x 106.5 x 23 mm

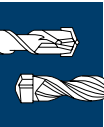
#### 13-piece Robust Line metal drill bit set HSS-G, DIN 338, 118°

|     |    |   |               |     |    |   |        |     |       |
|-----|----|---|---------------|-----|----|---|--------|-----|-------|
| 1.5 | 18 | C | 2 607 010 537 | P1k | 13 | 1 | 446211 | GRL | 13.93 |
| 2.0 | 24 |   |               |     |    |   |        |     |       |
| 2.5 | 30 |   |               |     |    |   |        |     |       |
| 3.0 | 33 |   |               |     |    |   |        |     |       |
| 3.2 | 36 |   |               |     |    |   |        |     |       |
| 3.5 | 39 |   |               |     |    |   |        |     |       |
| 4.0 | 43 |   |               |     |    |   |        |     |       |
| 4.5 | 47 |   |               |     |    |   |        |     |       |
| 4.8 | 52 |   |               |     |    |   |        |     |       |
| 5.0 | 52 |   |               |     |    |   |        |     |       |
| 5.5 | 57 |   |               |     |    |   |        |     |       |
| 6.0 | 57 |   |               |     |    |   |        |     |       |
| 6.5 | 63 |   |               |     |    |   |        |     |       |



#### 19-piece metal drill bit set HSS-G, DIN 338, 118°

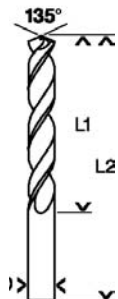
|      |   |   |               |     |    |   |        |     |       |
|------|---|---|---------------|-----|----|---|--------|-----|-------|
| 1.0  | - | - | 2 607 018 361 | P1k | 19 | 1 | 061179 | GAZ | 47.87 |
| 1.5  |   |   |               |     |    |   |        |     |       |
| 2.0  |   |   |               |     |    |   |        |     |       |
| 2.5  |   |   |               |     |    |   |        |     |       |
| 3.0  |   |   |               |     |    |   |        |     |       |
| 3.5  |   |   |               |     |    |   |        |     |       |
| 4.0  |   |   |               |     |    |   |        |     |       |
| 4.5  |   |   |               |     |    |   |        |     |       |
| 5.0  |   |   |               |     |    |   |        |     |       |
| 5.5  |   |   |               |     |    |   |        |     |       |
| 6.0  |   |   |               |     |    |   |        |     |       |
| 6.5  |   |   |               |     |    |   |        |     |       |
| 7.0  |   |   |               |     |    |   |        |     |       |
| 7.5  |   |   |               |     |    |   |        |     |       |
| 8.0  |   |   |               |     |    |   |        |     |       |
| 8.5  |   |   |               |     |    |   |        |     |       |
| 9.0  |   |   |               |     |    |   |        |     |       |
| 9.5  |   |   |               |     |    |   |        |     |       |
| 10.0 |   |   |               |     |    |   |        |     |       |



### Metal drill bits HSS-G, DIN 340



A-tip



- ▶ Twist drill bit made of high speed steel manufactured to DIN 340
- ▶ Right-hand cutting twist drill bit, Type N, 135° drill bit tip, split point manufactured to DIN 1412 C, diameter tolerance h 8
- ▶ Twist drill bit ground from solid metal with oxide-coated surface for the best chip removal
- ▶ Shank equal to drill bit diameter, drill bit colour: polished in packs of 1, black in packs of 5
- ▶ Two-cutter, cylindrical, two flutes

| Diameter (D) mm | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|-----------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|-----------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

Pack of 1

|      |     |     |                      |      |   |   |        |     |       |
|------|-----|-----|----------------------|------|---|---|--------|-----|-------|
| 3.0  | 66  | 100 | <b>2 608 595 676</b> | PC1d | 1 | 5 | 417952 | GAP | 2.48  |
| 3.2  | 69  | 106 | <b>2 608 595 677</b> | PC1d | 1 | 5 | 417969 | GAP | 2.48  |
| 3.5  | 73  | 112 | <b>2 608 595 678</b> | PC1d | 1 | 5 | 417976 | GAP | 2.77  |
| 4.0  | 78  | 119 | <b>2 608 595 679</b> | PC1d | 1 | 5 | 417983 | GAP | 3.06  |
| 4.2  | 78  | 119 | <b>2 608 595 680</b> | PC1d | 1 | 5 | 417990 | GAP | 3.18  |
| 4.5  | 82  | 126 | <b>2 608 595 681</b> | PC1d | 1 | 5 | 418003 | GAP | 3.64  |
| 4.8  | 87  | 132 | <b>2 608 595 682</b> | PC1d | 1 | 5 | 418010 | GAP | 3.83  |
| 5.0  | 87  | 132 | <b>2 608 595 683</b> | PC1d | 1 | 5 | 418027 | GAP | 3.83  |
| 5.5  | 91  | 139 | <b>2 608 595 684</b> | PC1d | 1 | 5 | 418034 | GAP | 4.56  |
| 6.0  | 91  | 139 | <b>2 608 595 685</b> | PC1d | 1 | 5 | 418041 | GAP | 4.61  |
| 6.5  | 97  | 139 | <b>2 608 595 686</b> | PC1d | 1 | 5 | 418058 | GAP | 5.95  |
| 7.0  | 102 | 156 | <b>2 608 595 687</b> | PC1d | 1 | 5 | 418065 | GAP | 6.81  |
| 8.0  | 109 | 165 | <b>2 608 595 688</b> | PC1d | 1 | 5 | 418072 | GAP | 8.00  |
| 9.0  | 115 | 175 | <b>2 608 595 689</b> | PC1d | 1 | 5 | 418089 | GAP | 9.67  |
| 10.0 | 121 | 184 | <b>2 608 595 690</b> | PC1d | 1 | 5 | 418096 | GAP | 13.07 |
| 11.0 | 128 | 195 | <b>2 608 595 691</b> | PC1d | 1 | 5 | 418102 | GAP | 15.44 |
| 12.0 | 134 | 205 | <b>2 608 595 692</b> | PC1d | 1 | 5 | 418119 | GAP | 15.50 |
| 13.0 | 134 | 205 | <b>2 608 595 693</b> | PC1d | 1 | 5 | 418126 | GAP | 18.74 |

Pack of 5

|     |    |     |                      |     |   |   |        |     |       |
|-----|----|-----|----------------------|-----|---|---|--------|-----|-------|
| 1.5 | 45 | 70  | <b>2 608 596 808</b> | P0a | 5 | 1 | 066983 | GAP | 13.37 |
| 2.0 | 56 | 85  | <b>2 608 596 809</b> | P0a | 5 | 1 | 066990 | GAP | 10.79 |
| 2.5 | 62 | 95  | <b>2 608 596 810</b> | P0a | 5 | 1 | 067003 | GAP | 11.73 |
| 2.6 | 62 | 95  | <b>2 608 596 811</b> | P0a | 5 | 1 | 067010 | GAP | 12.21 |
| 3.0 | 66 | 100 | <b>2 608 596 812</b> | P0a | 5 | 1 | 067027 | GAP | 11.27 |
| 3.2 | 69 | 106 | <b>2 608 596 813</b> | P0a | 5 | 1 | 067034 | GAP | 11.34 |
| 3.5 | 73 | 112 | <b>2 608 596 814</b> | P0a | 5 | 1 | 067041 | GAP | 12.66 |
| 3.8 | 78 | 119 | <b>2 608 596 815</b> | P0a | 5 | 1 | 067058 | GAP | 13.68 |
| 4.0 | 78 | 119 | <b>2 608 596 816</b> | P0a | 5 | 1 | 067065 | GAP | 13.92 |
| 4.1 | 78 | 119 | <b>2 608 596 679</b> | COf | 5 | 1 | 101158 | GAP | 13.57 |
| 4.2 | 78 | 119 | <b>2 608 596 817</b> | P0a | 5 | 1 | 067072 | GAP | 14.46 |
| 4.5 | 82 | 126 | <b>2 608 596 818</b> | P0a | 5 | 1 | 067089 | GAP | 16.49 |
| 4.8 | 87 | 132 | <b>2 608 596 819</b> | P0a | 5 | 1 | 067096 | GAP | 17.43 |
| 4.9 | 87 | 132 | <b>2 608 595 504</b> | COf | 5 | 1 | 357463 | GAP | 23.94 |



### Metal drill bits HSS-G, DIN 340

| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



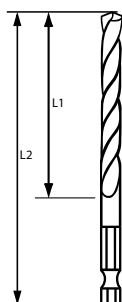
Pack of 5

|      |     |     |               |     |   |   |        |     |       |
|------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 5.0  | 87  | 132 | 2 608 596 820 | P0a | 5 | 1 | 067102 | GAP | 17.43 |
| 5.1  | 87  | 132 | 2 608 596 680 | COf | 5 | 1 | 101165 | GAP | 26.05 |
| 5.2  | 87  | 132 | 2 608 596 682 | COf | 5 | 1 | 101172 | GAP | 22.50 |
| 5.3  | 87  | 132 | 2 608 596 684 | COf | 5 | 1 | 101189 | GAP | 26.05 |
| 5.5  | 91  | 139 | 2 608 596 821 | P0a | 5 | 1 | 067119 | GAP | 20.70 |
| 5.7  | 91  | 139 | 2 608 596 685 | COf | 5 | 1 | 101196 | GAP | 23.60 |
| 5.8  | 91  | 139 | 2 608 596 687 | COf | 5 | 1 | 101202 | GAP | 26.75 |
| 6.0  | 91  | 139 | 2 608 596 822 | P0a | 5 | 1 | 067126 | GAP | 20.96 |
| 6.4  | 97  | 148 | 2 608 596 823 | P0a | 5 | 1 | 067133 | GAP | 27.11 |
| 6.5  | 97  | 148 | 2 608 596 824 | P0a | 5 | 1 | 067140 | GAP | 27.11 |
| 6.8  | 102 | 156 | 2 608 596 688 | COf | 5 | 1 | 101219 | GAP | 30.07 |
| 7.0  | 102 | 156 | 2 608 596 825 | P0a | 5 | 1 | 067157 | GAP | 30.95 |
| 7.5  | 102 | 156 | 2 608 596 826 | P0a | 5 | 1 | 067164 | GAP | 32.89 |
| 8.0  | 109 | 165 | 2 608 596 827 | P0a | 5 | 1 | 067171 | GAP | 36.31 |
| 8.5  | 109 | 165 | 2 608 596 828 | P0a | 5 | 1 | 067188 | GAP | 40.53 |
| 9.0  | 115 | 175 | 2 608 596 829 | P0a | 5 | 1 | 067195 | GAP | 43.97 |
| 9.5  | 115 | 175 | 2 608 596 830 | P0a | 5 | 1 | 067201 | GAP | 44.52 |
| 9.6  | 121 | 184 | 2 608 596 831 | P0a | 5 | 1 | 067218 | GAP | 55.29 |
| 10.0 | 121 | 184 | 2 608 596 832 | P0a | 5 | 1 | 067225 | GAP | 59.33 |
| 11.0 | 128 | 195 | 2 608 596 833 | P0a | 5 | 1 | 067232 | GAP | 70.25 |
| 12.0 | 134 | 205 | 2 608 596 834 | P0a | 5 | 1 | 067249 | GAP | 79.96 |
| 13.0 | 134 | 205 | 2 608 596 835 | P0a | 5 | 1 | 067256 | GAP | 96.67 |

### Metal drill bits HSS-G with 1/4" hex shank



A-tip



- ▶ Precision-ground HSS twist drill bit manufactured to DIN 338
- ▶ Right-hand cutting twist drill bit, Type N, 1/4" hex shank manufactured to ISO 1173 E6.3, 135° drill bit tip, split point manufactured to DIN 1412 C, diameter tolerance h 8
- ▶ Twist drill bit ground from solid metal with excellent surface quality manufactured to special factory standards
- ▶ Drill bit colour: polished
- ▶ Two flutes

Pack of 1

|   |    |     |               |      |   |   |        |     |      |
|---|----|-----|---------------|------|---|---|--------|-----|------|
| 2 | 24 | 62  | 2 608 595 511 | PC1d | 1 | 5 | 395366 | GAP | 2.19 |
| 3 | 33 | 74  | 2 608 595 512 | PC1d | 1 | 5 | 395373 | GAP | 2.19 |
| 4 | 43 | 88  | 2 608 595 513 | PC1d | 1 | 5 | 395380 | GAP | 3.04 |
| 5 | 52 | 99  | 2 608 595 514 | PC1d | 1 | 5 | 395397 | GAP | 4.03 |
| 6 | 63 | 106 | 2 608 595 515 | PC1d | 1 | 5 | 395403 | GAP | 4.90 |
| 8 | 75 | 117 | 2 608 595 516 | PC1d | 1 | 5 | 395410 | GAP | 6.73 |

**Robust Line metal drill bit set HSS-G (ground), 135° drill bit tip**



Set size A:  
156.5 x 107 x 23 mm

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

7-piece Robust Line metal drill bit set HSS-G, 135°, 1/4" hex shank

|          |    |     |                      |     |   |   |        |     |       |
|----------|----|-----|----------------------|-----|---|---|--------|-----|-------|
| <b>2</b> | 24 | 62  | <b>2 607 019 922</b> | P1k | 7 | 1 | 517027 | GRL | 31.78 |
| <b>3</b> | 33 | 74  |                      |     |   |   |        |     |       |
| <b>3</b> | 33 | 74  |                      |     |   |   |        |     |       |
| <b>4</b> | 43 | 88  |                      |     |   |   |        |     |       |
| <b>5</b> | 52 | 99  |                      |     |   |   |        |     |       |
| <b>6</b> | 63 | 106 |                      |     |   |   |        |     |       |
| <b>8</b> | 75 | 117 |                      |     |   |   |        |     |       |

# Double-ended drill bits HSS-G



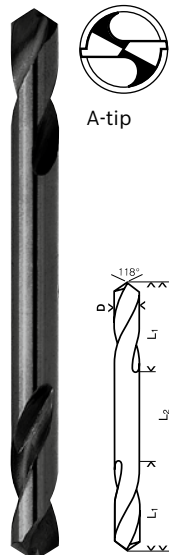
- ▶ **Suitable** for many trade and industrial applications in steel, non-ferrous metals and plastic
- ▶ For use with hand-held drills (suitable for cordless tools) and in drill stands or pillar drills, especially for car body work and metal machining (e.g. rivet hole or thread hole drilling)
- ▶ With double lifetime due to two drill bit tips and flutes
- ▶ Split point drill tip for drilling without pre-punching

Drill bit diameters are matched to the blind rivets of the leading manufacturers

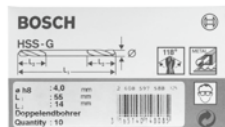
## Double-ended drill bits HSS-G



- ▶ Ground HSS drill bit, similar to DIN 1897
- ▶ Right-hand cutting twist drill bit, Type N, 118° drill bit tip, split point manufactured to DIN 1412 C, diameter tolerance h 8
- ▶ Two flutes



| Product properties |                        | Ordering information |                      |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| Pack of 10         |                        |                      |                      |                |               |                        |                    |                |                   |  |
| 2.0                | 8                      | 38                   | <b>2 608 597 580</b> | Cof            | 10            | 1                      | 148009             | GAP            | 14.56             |  |
| 2.5                | 10                     | 43                   | <b>2 608 597 581</b> | Cof            | 10            | 1                      | 148016             | GAP            | 14.56             |  |
| 3.0                | 11                     | 46                   | <b>2 608 597 582</b> | Cof            | 10            | 1                      | 148023             | GAP            | 14.56             |  |
| 3.1                | 11                     | 49                   | <b>2 608 597 583</b> | Cof            | 10            | 1                      | 148030             | GAP            | 15.21             |  |
| 3.2                | 11                     | 49                   | <b>2 608 597 584</b> | Cof            | 10            | 1                      | 148047             | GAP            | 15.21             |  |
| 3.3                | 11                     | 49                   | <b>2 608 597 585</b> | Cof            | 10            | 1                      | 148054             | GAP            | 14.90             |  |
| 3.4                | 14                     | 52                   | <b>2 608 597 586</b> | Cof            | 10            | 1                      | 148061             | GAP            | 16.20             |  |
| 3.5                | 14                     | 52                   | <b>2 608 597 587</b> | Cof            | 10            | 1                      | 148078             | GAP            | 16.20             |  |
| 4.0                | 14                     | 55                   | <b>2 608 597 588</b> | Cof            | 10            | 1                      | 148085             | GAP            | 16.20             |  |
| 4.1                | 14                     | 55                   | <b>2 608 597 589</b> | Cof            | 10            | 1                      | 148092             | GAP            | 17.20             |  |
| 4.2                | 14                     | 55                   | <b>2 608 597 590</b> | Cof            | 10            | 1                      | 148108             | GAP            | 17.20             |  |
| 4.5                | 17                     | 58                   | <b>2 608 597 591</b> | Cof            | 10            | 1                      | 148115             | GAP            | 18.19             |  |
| 4.8                | 17                     | 62                   | <b>2 608 597 592</b> | Cof            | 10            | 1                      | 148122             | GAP            | 20.87             |  |
| 4.9                | 17                     | 62                   | <b>2 608 597 593</b> | Cof            | 10            | 1                      | 148139             | GAP            | 20.87             |  |
| 5.0                | 17                     | 62                   | <b>2 608 597 594</b> | Cof            | 10            | 1                      | 148146             | GAP            | 20.87             |  |
| 5.1                | 17                     | 62                   | <b>2 608 597 595</b> | Cof            | 10            | 1                      | 148153             | GAP            | 28.63             |  |
| 5.2                | 17                     | 62                   | <b>2 608 597 596</b> | Cof            | 10            | 1                      | 182294             | GAP            | 29.47             |  |
| 5.5                | 19                     | 66                   | <b>2 608 597 597</b> | Cof            | 10            | 1                      | 182300             | GAP            | 31.95             |  |
| 5.7                | 19                     | 66                   | <b>2 608 597 598</b> | Cof            | 10            | 1                      | 182317             | GAP            | 34.05             |  |
| 6.0                | 19                     | 66                   | <b>2 608 597 599</b> | Cof            | 10            | 1                      | 182324             | GAP            | 34.86             |  |
| 6.5                | 22                     | 70                   | <b>2 608 597 600</b> | Cof            | 10            | 1                      | 148160             | GAP            | 36.31             |  |





# Metal drill bits HSS-Co



- ▶ **Suitable for** alloyed and non-alloyed steel up to a tensile strength of 1000 N/mm<sup>2</sup>, stainless steel V2A/V4A, cast iron, cast steel, acid and heat-resistant steels
- ▶ Precision drill bits that are resistant to heat and wear
- ▶ For use in drill stands or in pillar drills

Drilling in chrome nickel steel, ideally with pillar drill and cooling agent

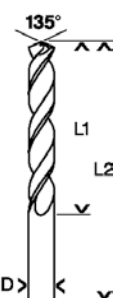
## Metal drill bits HSS-Co, DIN 338



| Product properties |                        | Ordering information |                      |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Pack of 1          |                        |                      |                      |                |               |                        |                    |                |                   |
| 1.0                | 12                     | 34                   | <b>2 608 585 838</b> | C0f            | 1             | 5                      | 520737             | GAP            | 1.45              |
| 1.5                | 18                     | 40                   | <b>2 608 585 839</b> | C0f            | 1             | 5                      | 520744             | GAP            | 1.53              |
| 2.0                | 29                     | 49                   | <b>2 608 585 840</b> | C0f            | 1             | 5                      | 520751             | GAP            | 1.69              |
| 2.5                | 30                     | 57                   | <b>2 608 585 841</b> | C0f            | 1             | 5                      | 520768             | GAP            | 1.77              |
| 3.0                | 33                     | 61                   | <b>2 608 585 842</b> | C0f            | 1             | 5                      | 520775             | GAP            | 1.98              |
| 3.2                | 36                     | 65                   | <b>2 608 585 843</b> | C0f            | 1             | 5                      | 520782             | GAP            | 2.25              |
| 3.3                | 36                     | 65                   | <b>2 608 585 844</b> | C0f            | 1             | 5                      | 520799             | GAP            | 2.34              |
| 3.5                | 39                     | 70                   | <b>2 608 585 845</b> | C0f            | 1             | 5                      | 520805             | GAP            | 2.34              |
| 4.0                | 43                     | 75                   | <b>2 608 585 846</b> | C0f            | 1             | 5                      | 520812             | GAP            | 2.53              |
| 4.1                | 43                     | 75                   | <b>2 608 585 847</b> | PC1d           | 1             | 5                      | 520829             | GAP            | 2.83              |
| 4.2                | 43                     | 75                   | <b>2 608 585 848</b> | PC1d           | 1             | 5                      | 520836             | GAP            | 2.83              |
| 4.5                | 47                     | 80                   | <b>2 608 585 849</b> | PC1d           | 1             | 5                      | 520843             | GAP            | 2.99              |
| 4.8                | 52                     | 86                   | <b>2 608 585 850</b> | PC1d           | 1             | 5                      | 520850             | GAP            | 3.39              |
| 5.0                | 52                     | 86                   | <b>2 608 585 851</b> | PC1d           | 1             | 5                      | 520867             | GAP            | 3.20              |
| 5.1                | 52                     | 86                   | <b>2 608 585 852</b> | PC1d           | 1             | 1                      | 520874             | GAP            | 3.87              |
| 5.2                | 52                     | 86                   | <b>2 608 585 853</b> | PC1d           | 1             | 1                      | 520881             | GAP            | 3.87              |
| 5.5                | 57                     | 93                   | <b>2 608 585 854</b> | PC1d           | 1             | 1                      | 520898             | GAP            | 3.63              |
| 6.0                | 57                     | 93                   | <b>2 608 585 855</b> | PC1d           | 1             | 1                      | 520904             | GAP            | 3.79              |
| 6.5                | 63                     | 101                  | <b>2 608 585 856</b> | PC1d           | 1             | 1                      | 520911             | GAP            | 4.43              |
| 6.8                | 69                     | 109                  | <b>2 608 585 857</b> | PC1d           | 1             | 1                      | 520928             | GAP            | 5.80              |
| 7.0                | 69                     | 109                  | <b>2 608 585 858</b> | PC1d           | 1             | 1                      | 520935             | GAP            | 5.28              |
| 7.5                | 69                     | 109                  | <b>2 608 585 859</b> | PC1d           | 1             | 1                      | 520942             | GAP            | 5.96              |



D-tip





**Metal drill bits HSS-Co, DIN 338**

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

Pack of 1



|      |     |     |               |      |   |   |        |     |       |
|------|-----|-----|---------------|------|---|---|--------|-----|-------|
| 8.0  | 75  | 117 | 2 608 585 860 | PC1d | 1 | 1 | 520959 | GAP | 7.61  |
| 8.5  | 75  | 117 | 2 608 585 861 | PC1d | 1 | 1 | 520966 | GAP | 8.38  |
| 9.0  | 81  | 125 | 2 608 585 862 | PC1d | 1 | 1 | 520973 | GAP | 9.11  |
| 9.5  | 81  | 125 | 2 608 585 863 | PC1d | 1 | 1 | 520980 | GAP | 10.32 |
| 10.0 | 87  | 133 | 2 608 585 864 | PC1d | 1 | 1 | 520997 | GAP | 11.96 |
| 10.2 | 87  | 133 | 2 608 585 865 | PC1d | 1 | 1 | 521000 | GAP | 13.13 |
| 10.5 | 87  | 133 | 2 608 585 866 | PC1d | 1 | 1 | 521017 | GAP | 13.13 |
| 11.0 | 94  | 142 | 2 608 585 867 | PC1d | 1 | 1 | 521024 | GAP | 14.35 |
| 11.5 | 94  | 142 | 2 608 585 868 | PC1d | 1 | 1 | 521031 | GAP | 15.95 |
| 12.0 | 101 | 151 | 2 608 585 869 | PC1d | 1 | 1 | 521048 | GAP | 18.54 |
| 12.5 | 101 | 151 | 2 608 585 870 | PC1d | 1 | 1 | 521055 | GAP | 19.83 |
| 13.0 | 101 | 151 | 2 608 585 871 | PC1d | 1 | 1 | 521062 | GAP | 21.76 |

Pack of 10

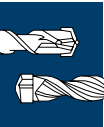


|     |    |     |               |     |    |   |        |     |       |
|-----|----|-----|---------------|-----|----|---|--------|-----|-------|
| 1.0 | 12 | 34  | 2 608 585 872 | P2a | 10 | 1 | 521079 | GAP | 12.09 |
| 1.5 | 18 | 40  | 2 608 585 873 | P2a | 10 | 1 | 521086 | GAP | 12.76 |
| 2.0 | 24 | 49  | 2 608 585 874 | P2a | 10 | 1 | 521093 | GAP | 14.10 |
| 2.5 | 30 | 57  | 2 608 585 875 | P2a | 10 | 1 | 521109 | GAP | 14.78 |
| 3.0 | 33 | 61  | 2 608 585 876 | P2a | 10 | 1 | 521116 | GAP | 16.52 |
| 3.2 | 36 | 65  | 2 608 585 877 | P2a | 10 | 1 | 521123 | GAP | 18.67 |
| 3.3 | 36 | 65  | 2 608 585 878 | P2a | 10 | 1 | 521130 | GAP | 19.48 |
| 3.5 | 39 | 70  | 2 608 585 879 | P2a | 10 | 1 | 521147 | GAP | 19.48 |
| 4.0 | 43 | 75  | 2 608 585 880 | P2a | 10 | 1 | 521154 | GAP | 21.08 |
| 4.1 | 43 | 75  | 2 608 585 881 | P2a | 10 | 1 | 521161 | GAP | 23.64 |
| 4.2 | 43 | 75  | 2 608 585 882 | P2a | 10 | 1 | 521178 | GAP | 23.64 |
| 4.5 | 47 | 80  | 2 608 585 883 | P2a | 10 | 1 | 521185 | GAP | 24.85 |
| 4.8 | 52 | 86  | 2 608 585 884 | P2a | 10 | 1 | 521192 | GAP | 28.21 |
| 5.0 | 52 | 86  | 2 608 585 885 | P2a | 10 | 1 | 521208 | GAP | 26.73 |
| 5.1 | 52 | 86  | 2 608 585 886 | P2a | 10 | 1 | 521215 | GAP | 32.24 |
| 5.2 | 52 | 86  | 2 608 585 887 | P2a | 10 | 1 | 521222 | GAP | 32.24 |
| 5.5 | 57 | 93  | 2 608 585 888 | P2a | 10 | 1 | 521239 | GAP | 30.22 |
| 6.0 | 57 | 93  | 2 608 585 889 | P2a | 10 | 1 | 521246 | GAP | 31.57 |
| 6.5 | 63 | 101 | 2 608 585 890 | P2a | 10 | 1 | 521253 | GAP | 36.94 |
| 6.8 | 69 | 109 | 2 608 585 891 | P2a | 10 | 1 | 521260 | GAP | 48.36 |
| 7.0 | 69 | 109 | 2 608 585 892 | P2a | 10 | 1 | 521277 | GAP | 44.05 |
| 7.5 | 69 | 109 | 2 608 585 893 | P2a | 10 | 1 | 521284 | GAP | 49.70 |

Pack of 5



|      |     |     |               |     |   |   |        |     |       |
|------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 8.0  | 75  | 117 | 2 608 585 894 | P2a | 5 | 1 | 521291 | GAP | 34.93 |
| 8.5  | 75  | 117 | 2 608 585 895 | P2a | 5 | 1 | 521307 | GAP | 31.70 |
| 9.0  | 81  | 125 | 2 608 585 896 | P2a | 5 | 1 | 521314 | GAP | 34.93 |
| 9.5  | 81  | 125 | 2 608 585 897 | P2a | 5 | 1 | 521321 | GAP | 37.95 |
| 10.0 | 87  | 133 | 2 608 585 898 | P2a | 5 | 1 | 521338 | GAP | 42.98 |
| 10.2 | 87  | 133 | 2 608 585 899 | P2a | 5 | 1 | 521345 | GAP | 49.83 |
| 10.5 | 87  | 133 | 2 608 585 900 | P2a | 5 | 1 | 521352 | GAP | 54.73 |
| 11.0 | 94  | 142 | 2 608 585 901 | P2a | 5 | 1 | 521369 | GAP | 59.77 |
| 11.5 | 94  | 142 | 2 608 585 902 | P2a | 5 | 1 | 521376 | GAP | 66.49 |
| 12.0 | 101 | 151 | 2 608 585 903 | P2a | 5 | 1 | 521383 | GAP | 77.24 |
| 12.5 | 101 | 151 | 2 608 585 904 | P2a | 5 | 1 | 521390 | GAP | 82.61 |
| 13.0 | 101 | 151 | 2 608 585 905 | P2a | 5 | 1 | 521406 | GAP | 90.67 |



### Robust Line metal drill bits HSS-Co (cobalt alloy), DIN 338



Set size A:  
156.5 x 69.5 x 23 mm

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

6-piece Robust Line metal drill bit set HSS-Co, DIN 338, 135°

|     |    |   |               |     |   |   |        |     |       |
|-----|----|---|---------------|-----|---|---|--------|-----|-------|
| 2.0 | 29 | A | 2 607 019 924 | P1k | 6 | 1 | 517041 | GRL | 23.95 |
| 3.0 | 33 |   |               |     |   |   |        |     |       |
| 4.0 | 43 |   |               |     |   |   |        |     |       |
| 5.0 | 52 |   |               |     |   |   |        |     |       |
| 6.0 | 57 |   |               |     |   |   |        |     |       |
| 8.0 | 75 |   |               |     |   |   |        |     |       |



Set size B:  
156.5 x 107 x 23 mm

10-piece Robust Line metal drill bit set HSS-Co, DIN 338, 135°

|      |    |   |               |     |    |   |        |     |       |
|------|----|---|---------------|-----|----|---|--------|-----|-------|
| 1.0  | 12 | B | 2 607 019 925 | P1k | 10 | 1 | 517058 | GRL | 55.91 |
| 2.0  | 24 |   |               |     |    |   |        |     |       |
| 3.0  | 33 |   |               |     |    |   |        |     |       |
| 4.0  | 43 |   |               |     |    |   |        |     |       |
| 5.0  | 52 |   |               |     |    |   |        |     |       |
| 6.0  | 57 |   |               |     |    |   |        |     |       |
| 7.0  | 59 |   |               |     |    |   |        |     |       |
| 8.0  | 75 |   |               |     |    |   |        |     |       |
| 9.0  | 81 |   |               |     |    |   |        |     |       |
| 10.0 | 87 |   |               |     |    |   |        |     |       |



Set size C:  
124.0 x 107 x 23 mm

13-piece Robust Line metal drill bit set HSS-Co, DIN 338, 135°

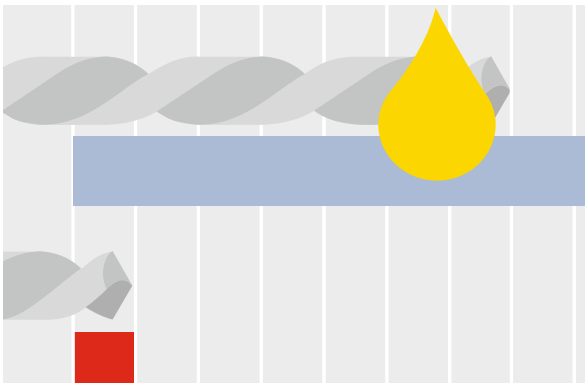
|     |    |   |               |     |    |   |        |     |       |
|-----|----|---|---------------|-----|----|---|--------|-----|-------|
| 1.5 | 18 | C | 2 607 019 926 | P1k | 13 | 1 | 517065 | GRL | 40.83 |
| 2.0 | 30 |   |               |     |    |   |        |     |       |
| 2.5 | 30 |   |               |     |    |   |        |     |       |
| 3.0 | 33 |   |               |     |    |   |        |     |       |
| 3.2 | 36 |   |               |     |    |   |        |     |       |
| 3.5 | 39 |   |               |     |    |   |        |     |       |
| 4.0 | 43 |   |               |     |    |   |        |     |       |
| 4.5 | 47 |   |               |     |    |   |        |     |       |
| 4.8 | 52 |   |               |     |    |   |        |     |       |
| 5.0 | 52 |   |               |     |    |   |        |     |       |
| 5.5 | 57 |   |               |     |    |   |        |     |       |
| 6.0 | 57 |   |               |     |    |   |        |     |       |
| 6.5 | 63 |   |               |     |    |   |        |     |       |

# Metal drill bits HSS-TiN



- ▶ **Suitable for** alloyed and non-alloyed steel up to a tensile strength of 900 N/mm<sup>2</sup>. Malleable cast iron, sintered iron, new silver, copper, bronze and hard plastics such as perspex
- ▶ Enables up to 40% faster drilling than comparable drill bits with 118° drill bit tip and no split point

Drilling in perspex with lowest possible friction deposits and with cooling agent



- ▶ The lowest possible level of friction due to titanium-nitride coating, which effectively reduces friction deposits
- ▶ **Note:** Do not use in aluminium. Only work with cooling agent

Up to six times longer lifetime with appropriate cooling system

## Metal drill bits HSS-TiN, DIN 338



- ▶ Twist drill bit made of high speed steel manufactured to DIN 338
- ▶ Right-hand cutting twist drill bit, Type N, 135° drill bit tip, split point manufactured to DIN 1412 C, diameter tolerance h 8
- ▶ Twist drill bit ground from solid metal with high surface quality due to titanium-nitride coating
- ▶ Shank equal to drill bit diameter, drill bit colour: golden
- ▶ Two-cutter, cylindrical, two flutes
- ▶ **Note:** Use the universal cutting oil 2 607 001 409 when working with HSS-TiN metal drill bits



A-tip

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

Pack of 1

|     |    |    |               |     |   |   |        |     |      |
|-----|----|----|---------------|-----|---|---|--------|-----|------|
| 1.0 | 12 | 34 | 2 608 596 661 | P1c | 1 | 5 | 060769 | GAP | 6.43 |
| 1.5 | 18 | 40 | 2 608 596 666 | P1c | 1 | 5 | 060776 | GAP | 5.23 |
| 2.0 | 24 | 49 | 2 608 596 671 | P1c | 1 | 5 | 060783 | GAP | 3.85 |
| 2.5 | 30 | 57 | 2 608 596 676 | P1c | 1 | 5 | 060790 | GAP | 3.85 |



### Metal drill bit sets HSS-TiN, DIN 338



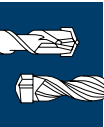
Set size B:  
156.5 x 106.5 x 21.5 mm

| Diameter mm  |    | Working length mm |               | Set size             |    | Part number |        | Packaging type |       | Pack quantity |  | Minimum order quantity |  | Barcode 3165140... |  | Discount group |  | List Price ex vat |  |
|--|----|-------------------|---------------|----------------------|----|-------------|--------|----------------|-------|---------------|--|------------------------|--|--------------------|--|----------------|--|-------------------|--|
| Product properties                                     |    |                   |               | Ordering information |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 10-piece Robust Line metal drill bit set HSS-TiN, 135° |    |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 1.0  | 12 | B                 | 2 607 010 536 | P1k                  | 10 | 1           | 446204 | GRL            | 65.03 |               |  |                        |  |                    |  |                |  |                   |  |
| 2.0  | 24 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 3.0  | 33 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 4.0  | 43 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 5.0  | 52 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 6.0  | 57 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 7.0  | 69 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 8.0  | 75 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 9.0  | 81 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |
| 10.0   | 87 |                   |               |                      |    |             |        |                |       |               |  |                        |  |                    |  |                |  |                   |  |



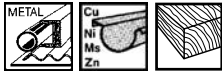
Set size C:  
124.0 x 106.5 x 21.5 mm

|  |    |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
|--|----|---|---------------|-----|----|---|--------|-----|-------|--|--|--|--|--|--|--|--|--|--|
| 13-piece Robust Line metal drill bit set HSS-TiN, 135° |    |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 1.5  | 18 | C | 2 607 010 539 | P1k | 13 | 1 | 446235 | GRL | 54.82 |  |  |  |  |  |  |  |  |  |  |
| 2.0  | 24 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 2.5  | 30 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 3.0  | 33 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 3.2  | 36 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 3.5  | 39 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 4.0  | 43 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 4.5  | 47 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 4.8  | 52 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 5.0  | 52 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 5.5  | 57 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 6.0  | 57 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |
| 6.5  | 63 |   |               |     |    |   |        |     |       |  |  |  |  |  |  |  |  |  |  |



# Countersink bits, sheet metal cone drill bits, step drill bits and rasp drill bits

## Countersink bits, tool steel, hex shank

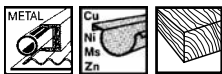


- ▶ **Suitable for** non-ferrous metals, wood, plastics
- ▶ Ground countersink made of tool steel to factory standard
- ▶ With seven 90° cutting edges



| Product properties |             |                 |                     | Ordering information |                |               |                        |                    |                |                   |
|--------------------|-------------|-----------------|---------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter mm        | Step height | Total length mm | Shank diameter Inch | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| 13                 | 90°         | 50              | 1/4                 | 1 609 200 315        | P1c            | 1             | 1                      | 004626             | GAP            | 3.87              |

## Countersink bits HSS, hex shank

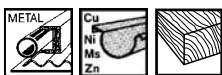


- ▶ **Suitable for** non-ferrous metals, alloyed and non-alloyed steel, cast iron
- ▶ Ground countersink manufactured to DIN 335 with hexagonal shank suitable for screwdrivers to ISO 1173 C6.3
- ▶ With three 90° cutting edges



|      |    |    |     |               |     |   |   |        |     |       |
|------|----|----|-----|---------------|-----|---|---|--------|-----|-------|
| 8.3  | M4 | 31 | 1/4 | 2 608 596 405 | P1c | 1 | 1 | 060110 | GAP | 25.46 |
| 12.4 | M6 | 35 | 1/4 | 2 608 596 407 | P1c | 1 | 1 | 060127 | GAP | 28.82 |
| 16.5 | M8 | 40 | 1/4 | 2 608 596 408 | P1c | 1 | 1 | 067409 | GAP | 32.98 |

## Countersink bits HSS, cylindrical shank



- ▶ **Suitable for** non-ferrous metals, steel, wood, plastics
- ▶ Ground countersink manufactured to DIN 335
- ▶ With five 90° cutting edges



|    |     |    |   |               |     |   |   |        |     |       |
|----|-----|----|---|---------------|-----|---|---|--------|-----|-------|
| 6  | M3  | 48 | 6 | 2 608 597 500 | P1c | 1 | 1 | 107150 | GAP | 10.20 |
| 8  | M4  | 48 | 8 | 2 608 596 664 | P1c | 1 | 1 | 085687 | GAP | 11.05 |
| 10 | M5  | 40 | 8 | 2 608 596 665 | P1c | 1 | 1 | 085694 | GAP | 12.09 |
| 12 | M6  | 40 | 8 | 2 608 596 371 | P1c | 1 | 1 | 059770 | GAP | 14.75 |
| 16 | M8  | 43 | 8 | 2 608 596 372 | P1c | 1 | 1 | 059787 | GAP | 16.72 |
| 20 | M10 | 45 | 8 | 2 608 596 373 | P1c | 1 | 1 | 059794 | GAP | 17.00 |

### Countersink bit set, cylindrical shank

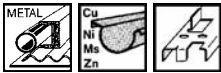


| Diameter mm        | Step height | Total length mm | Shank diameter mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|-------------|-----------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |             |                 |                   | Ordering information |                |               |                        |                    |                |                   |

3-piece countersink bit set  
 1 cutting edge 90°, dia. 8-10-12 mm  
**Suitable for** wood, plastic, non-ferrous metals

|   |   |    |        |                      |     |   |   |        |     |      |
|---|---|----|--------|----------------------|-----|---|---|--------|-----|------|
| - | - | 50 | 6<br>8 | <b>2 608 596 667</b> | P1c | 3 | 1 | 085700 | GAP | 8.21 |
|---|---|----|--------|----------------------|-----|---|---|--------|-----|------|

### Slanting hole countersink bits HSS-E, cylindrical shank



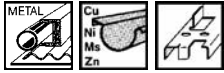
- ▶ **Suitable for** non-ferrous metals, alloyed and non-alloyed steel, cast iron, stainless steel
- ▶ Ground countersink made of HSS-E with 5% cobalt content
- ▶ Slanting hole to factory standard



| Step height        | Total length mm | Shank diameter Inch | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|-----------------|---------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                 |                     | Ordering information |                |               |                        |                    |                |                   |
| <b>2-5</b>         | 45              | 1/4                 | <b>2 608 597 511</b> | P1c            | 1             | 1                      | 107266             | GAP            | 16.34             |
| <b>5-10</b>        | 48              | 1/4                 | <b>2 608 597 512</b> | P1c            | 1             | 1                      | 107273             | GAP            | 19.17             |
| <b>10-15</b>       | 65              | 1/4                 | <b>2 608 597 513</b> | P1c            | 1             | 1                      | 107280             | GAP            | 30.42             |



### Sheet metal cone drill bits HSS, cylindrical shank



- ▶ **Suitable for** non-ferrous metals, sheet steel, plastic
- ▶ Without pilot drilling in the thinnest sheet metals, burr-free, without friction deposit
- ▶ Ground bit



| Diameter mm               | Total length mm | Shank diameter mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|-----------------|-------------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b> |                 |                   | <b>Ordering information</b> |                |               |                        |                    |                |                   |
| 3-14                      | 58              | 6                 | <b>2 608 596 399</b>        | P1c            | 1             | 1                      | 060059             | GAP            | 23.05             |
| 5-20                      | 71              | 8                 | <b>2 608 596 400</b>        | P1c            | 1             | 1                      | 060066             | GAP            | 30.31             |
| 16-30.5                   | 76              | 9                 | <b>2 608 596 401</b>        | P1h            | 1             | 1                      | 060073             | GAP            | 50.47             |

### Step drill bits HSS, cylindrical shank

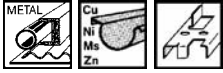


- ▶ **Suitable for** non-ferrous metals, sheet steel, plastic
- ▶ Drilling without pilot drilling in the thinnest sheet metals, burr-free, without friction deposit, chamfered, fixed drilling steps
- ▶ Ground bit



| Step diameter (range) mm                                 | Shank diameter mm | Total length mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--|-------------------|-----------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b>                                |                   |                 | <b>Ordering information</b> |                |               |                        |                    |                |                   |
| 5 steps, dia. 4-6-8-10-12 mm                             |                   |                 |                             |                |               |                        |                    |                |                   |
| 4-12   | 6                 | 65              | <b>2 608 597 518</b>        | P1c            | 1             | 1                      | 107334             | GAP            | 54.78             |
| 9 steps, dia. 4-6-8-10-12-14-16-18-20 mm                 |                   |                 |                             |                |               |                        |                    |                |                   |
| 4-20   | 8                 | 75              | <b>2 608 597 519</b>        | P1c            | 1             | 1                      | 107341             | GAP            | 76.36             |
| 14 steps, dia. 4-6-8-10-12-14-16-18-20-22-24-26-28-30 mm |                   |                 |                             |                |               |                        |                    |                |                   |
| 4-30   | 10                | 100             | <b>2 608 597 520</b>        | P1h            | 1             | 1                      | 107358             | GAP            | 112.49            |
| 13 steps, dia. 4-6-8-12-15-18-21-24-27-30-33-36-39 mm    |                   |                 |                             |                |               |                        |                    |                |                   |
| 4-39   | 10                | 107             | <b>2 608 597 521</b>        | P1h            | 1             | 1                      | 107365             | GAP            | 173.22            |

### Step drill bits HSS-TiN, cylindrical shank



- ▶ **Suitable for** non-ferrous metals, sheet steel, plastic
- ▶ Ground bit
- ▶ **Note:** Do not use in aluminium

| Step diameter (range) mm  | Shank diameter mm | Total length mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|-------------------|-----------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b> |                   |                 | <b>Ordering information</b> |                |               |                        |                    |                |                   |



13 steps, dia. 1/8"-5/32"-3/16"-7/32"-1/4"-9/32"-5/16"-11/32"-3/8"-13/32"-7/16"-15/32"-1/2"

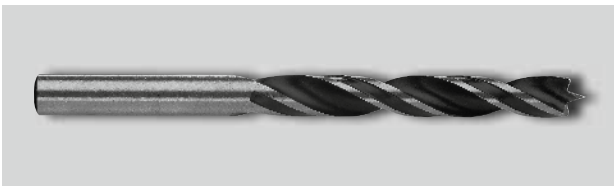
|                |     |    |                      |     |   |   |        |     |       |
|----------------|-----|----|----------------------|-----|---|---|--------|-----|-------|
| <b>1/8-1/2</b> | 6.3 | 80 | <b>2 608 596 402</b> | P1c | 1 | 1 | 060080 | GAP | 47.04 |
|----------------|-----|----|----------------------|-----|---|---|--------|-----|-------|

9 steps, dia. 1/4"-5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"

|                |     |    |                      |     |   |   |        |     |       |
|----------------|-----|----|----------------------|-----|---|---|--------|-----|-------|
| <b>1/4-3/4</b> | 9.6 | 70 | <b>2 608 596 403</b> | P1c | 1 | 1 | 060097 | GAP | 54.36 |
|----------------|-----|----|----------------------|-----|---|---|--------|-----|-------|

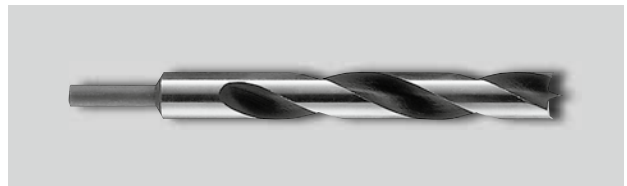
# Wood drill bits,

cylindrical, SDS-plus and hexagonal shanks



**Brad point drill bits**

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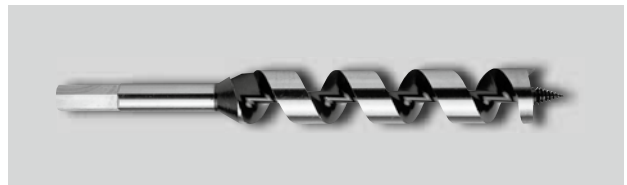
**Machine wood drill bits with M-tip**

Page 101



**HSS brad point drill bits  
with 1/4" hex shank**

Page 103



**Wood auger drill bits**

Page 105



**Clean Hinge cutting bits,  
tungsten carbide tipped**

Page 108



**Hinge cutting bits,  
tungsten carbide tipped**

Page 110



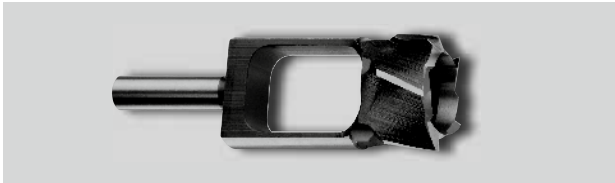
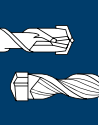
**Forstner bits**

Page 111



**Cantilever hinge bits**

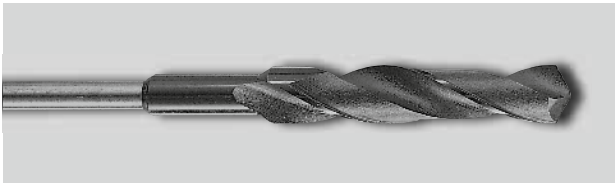
Page 112



**Disc cutters**  
Page 112



**Spade bits**  
Page 113



**HSS formwork and installation drill bits**  
Page 116

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# Brad point drill bits



- ▶ All brad point drill bits are manufactured to strict Bosch factory standards
- ▶ Extremely sharp drill bits for precise, tear-free drilled holes
- ▶ Precision-ground with CBN grinding process and cubic crystalline boron nitride grinding disc into fully hardened material
- ▶ Standard brad point drill bits for rapid drilling up to 30 mm diameter (also with a cordless drill)

Precision-ground M-drill bit tip with two scoring spurs for tear-free drilled holes and smooth drilled hole walls

## Standard brad point drill bits

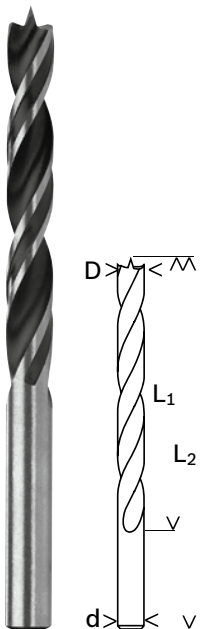


- ▶ **Suitable for** hard and soft wood
- ▶ Drill bit with centring tip and shoulder cutter
- ▶ Drill bit colour: black, ground point
- ▶ Two flutes

| Product properties |                        |                      |                       | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 1

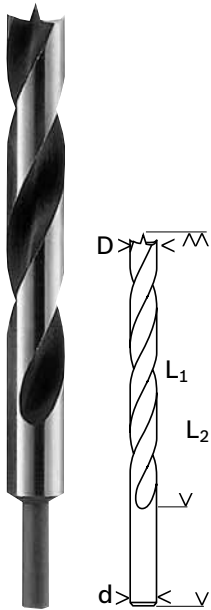
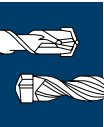
|    |     |     |    |                      |      |   |   |        |     |       |
|----|-----|-----|----|----------------------|------|---|---|--------|-----|-------|
| 3  | 30  | 60  | 3  | <b>2 608 596 300</b> | PC1d | 1 | 5 | 059060 | GAF | 1.32  |
| 4  | 40  | 70  | 4  | <b>2 608 596 301</b> | PC1d | 1 | 5 | 059077 | GAF | 1.45  |
| 5  | 45  | 85  | 5  | <b>2 608 596 302</b> | PC1d | 1 | 5 | 059084 | GAF | 1.59  |
| 6  | 50  | 90  | 6  | <b>2 608 596 303</b> | PC1d | 1 | 5 | 059091 | GAF | 1.72  |
| 7  | 60  | 105 | 7  | <b>2 608 596 304</b> | PC1d | 1 | 5 | 059107 | GAF | 1.82  |
| 8  | 65  | 110 | 8  | <b>2 608 596 305</b> | PC1d | 1 | 5 | 059114 | GAF | 2.30  |
| 9  | 70  | 115 | 9  | <b>2 608 596 306</b> | PC1d | 1 | 5 | 059121 | GAF | 2.44  |
| 10 | 75  | 120 | 10 | <b>2 608 596 307</b> | PC1d | 1 | 5 | 059138 | GAF | 2.81  |
| 11 | 80  | 142 | 10 | <b>2 608 596 308</b> | PC1d | 1 | 5 | 059145 | GAF | 4.01  |
| 12 | 95  | 150 | 10 | <b>2 608 596 309</b> | PC1d | 1 | 5 | 059152 | GAF | 4.15  |
| 13 | 95  | 150 | 10 | <b>2 608 596 310</b> | PC1d | 1 | 1 | 059169 | GAF | 4.62  |
| 14 | 95  | 150 | 10 | <b>2 608 596 311</b> | PC1d | 1 | 1 | 059176 | GAF | 5.00  |
| 15 | 100 | 160 | 10 | <b>2 608 596 312</b> | P1c  | 1 | 1 | 059183 | GAF | 5.72  |
| 16 | 105 | 160 | 10 | <b>2 608 596 313</b> | P1c  | 1 | 1 | 059190 | GAF | 6.71  |
| 18 | 130 | 180 | 10 | <b>2 608 597 202</b> | P1c  | 1 | 1 | 099684 | GAF | 11.75 |
| 20 | 140 | 200 | 10 | <b>2 608 597 203</b> | P1c  | 1 | 1 | 099691 | GAF | 13.45 |
| 22 | 140 | 210 | 13 | <b>2 608 597 204</b> | P1c  | 1 | 1 | 099707 | GAF | 16.62 |
| 24 | 140 | 210 | 13 | <b>2 608 597 205</b> | P1c  | 1 | 1 | 099714 | GAF | 17.40 |
| 26 | 145 | 215 | 13 | <b>2 608 597 206</b> | P1c  | 1 | 1 | 099721 | GAF | 20.88 |
| 28 | 145 | 220 | 13 | <b>2 608 597 207</b> | P1c  | 1 | 1 | 099738 | GAF | 23.59 |
| 30 | 145 | 220 | 13 | <b>2 608 597 208</b> | P1c  | 1 | 1 | 099745 | GAF | 25.19 |



### Machine wood drill bits with M-tip (2 scoring spurs)



- ▶ Drill bits with CBN-ground M-tip
- ▶ Special flute shape prevents jamming and ensures speedy chip extraction
- ▶ Drill bit colour: polished, black
- ▶ Two-cutter, cylindrical, two flutes



| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|------------------------|----------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                        |                      |                       | Ordering information |                |               |                        |                    |                |                   |

**Total length 250 mm**

|    |     |     |    |                      |     |   |   |        |     |       |
|----|-----|-----|----|----------------------|-----|---|---|--------|-----|-------|
| 6  | 190 | 250 | 6  | <b>2 608 597 187</b> | P1c | 1 | 1 | 099530 | GAF | 10.04 |
| 8  | 190 | 250 | 8  | <b>2 608 597 188</b> | P1c | 1 | 1 | 099547 | GAF | 10.59 |
| 10 | 190 | 250 | 10 | <b>2 608 597 189</b> | P1c | 1 | 1 | 099554 | GAF | 10.91 |
| 12 | 190 | 250 | 10 | <b>2 608 597 190</b> | P1c | 1 | 1 | 099561 | GAF | 11.44 |
| 14 | 190 | 250 | 10 | <b>2 608 597 191</b> | P1c | 1 | 1 | 099578 | GAF | 11.75 |
| 16 | 190 | 250 | 10 | <b>2 608 597 192</b> | P1c | 1 | 1 | 099585 | GAF | 13.45 |
| 18 | 190 | 250 | 10 | <b>2 608 597 193</b> | P1c | 1 | 1 | 099592 | GAF | 15.85 |
| 20 | 190 | 250 | 10 | <b>2 608 597 194</b> | P1c | 1 | 1 | 099608 | GAF | 17.40 |

**Total length 400 mm**

|    |     |     |    |                      |     |   |   |        |     |       |
|----|-----|-----|----|----------------------|-----|---|---|--------|-----|-------|
| 8  | 340 | 400 | 8  | <b>2 608 597 195</b> | P1c | 1 | 1 | 099615 | GAF | 12.60 |
| 10 | 340 | 400 | 10 | <b>2 608 597 196</b> | P1c | 1 | 1 | 099622 | GAF | 13.45 |
| 12 | 340 | 400 | 10 | <b>2 608 597 197</b> | P1c | 1 | 1 | 099639 | GAF | 14.31 |
| 14 | 340 | 400 | 10 | <b>2 608 597 198</b> | P1c | 1 | 1 | 099646 | GAF | 15.85 |
| 16 | 340 | 400 | 10 | <b>2 608 597 199</b> | P1c | 1 | 1 | 099653 | GAF | 16.62 |
| 18 | 340 | 400 | 10 | <b>2 608 597 200</b> | P1c | 1 | 1 | 099660 | GAF | 18.56 |
| 20 | 340 | 400 | 10 | <b>2 608 597 201</b> | P1c | 1 | 1 | 099677 | GAF | 21.65 |

### Brad point drill bit sets



Set size A:  
156.5 x 69.5 x 21.5 mm

| Product properties |                   | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|-------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter mm        | Working length mm | Set size             | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

5-piece Robust Line brad point drill bit set

|    |    |   |               |     |   |   |        |     |      |
|----|----|---|---------------|-----|---|---|--------|-----|------|
| 4  | 40 | A | 2 607 010 527 | P1k | 5 | 1 | 446112 | GRL | 7.89 |
| 5  | 45 |   |               |     |   |   |        |     |      |
| 6  | 50 |   |               |     |   |   |        |     |      |
| 8  | 65 |   |               |     |   |   |        |     |      |
| 10 | 75 |   |               |     |   |   |        |     |      |



Set size B:  
156.5 x 106.5 x 21.5 mm

8-piece Robust Line brad point drill bit set

|    |    |   |               |     |   |   |        |     |       |
|----|----|---|---------------|-----|---|---|--------|-----|-------|
| 3  | 30 | B | 2 607 010 533 | P1k | 8 | 1 | 446174 | GRL | 12.54 |
| 4  | 40 |   |               |     |   |   |        |     |       |
| 5  | 45 |   |               |     |   |   |        |     |       |
| 6  | 50 |   |               |     |   |   |        |     |       |
| 7  | 60 |   |               |     |   |   |        |     |       |
| 8  | 65 |   |               |     |   |   |        |     |       |
| 9  | 70 |   |               |     |   |   |        |     |       |
| 10 | 75 |   |               |     |   |   |        |     |       |



7-piece wood drill bit set

|    |    |   |               |     |   |   |        |     |      |
|----|----|---|---------------|-----|---|---|--------|-----|------|
| 3  | 30 | - | 2 607 017 034 | P1k | 7 | 4 | 557351 | GAZ | 8.79 |
| 4  | 40 |   |               |     |   |   |        |     |      |
| 5  | 45 |   |               |     |   |   |        |     |      |
| 6  | 50 |   |               |     |   |   |        |     |      |
| 7  | 60 |   |               |     |   |   |        |     |      |
| 8  | 65 |   |               |     |   |   |        |     |      |
| 10 | 75 |   |               |     |   |   |        |     |      |

### Brad point drill bits with 90° countersink



- ▶ **Suitable for** hard and soft wood, laminated and non-laminated chipboard, plywood
- ▶ Drilling and countersinking in one operation
- ▶ Countersink can also be used as a depth stop
- ▶ Cylindrical, two flutes

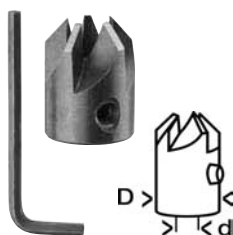


| Product properties |                   | Ordering information |                |               |                        |                    |                |                   |
|--------------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Outer diameter mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| 3                  | 16                | 2 608 595 345        | P1c            | 1             | 1                      | 323666             | GAF            | 13.18             |
| 4                  | 16                | 2 608 596 391        | P1c            | 1             | 1                      | 059978             | GAF            | 10.46             |
| 5                  | 16                | 2 608 596 392        | P1c            | 1             | 1                      | 059985             | GAF            | 10.54             |
| 6                  | 16                | 2 608 596 393        | P1c            | 1             | 1                      | 059992             | GAF            | 10.71             |
| 7                  | 16                | 2 608 596 394        | P1c            | 1             | 1                      | 060004             | GAF            | 10.79             |
| 8                  | 20                | 2 608 596 395        | P1c            | 1             | 1                      | 060011             | GAF            | 12.60             |
| 10                 | 20                | 2 608 596 396        | P1c            | 1             | 1                      | 060028             | GAF            | 12.92             |
| 12                 | 20                | 2 608 596 397        | P1c            | 1             | 1                      | 060035             | GAF            | 14.29             |



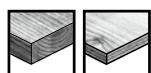
### Arbour-mounted countersink for brad point drill bits

- ▶ **Suitable for** hard and soft wood, laminated and non-laminated chipboard, plywood
- ▶ Countersink can also be used as a depth stop

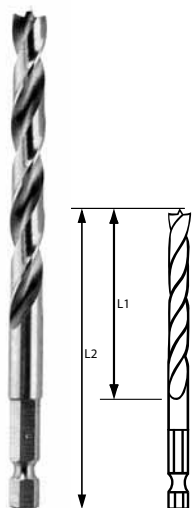


| Product properties |                   | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Outer diameter mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 3                  | 16                | 2 608 585 737        | P1c            | 1             | 1                      | 510998             | GAF            | 8.76              |  |
| 4                  | 16                | 2 608 585 738        | P1c            | 1             | 1                      | 511001             | GAF            | 8.76              |  |
| 5                  | 16                | 2 608 585 739        | P1c            | 1             | 1                      | 511018             | GAF            | 8.76              |  |
| 6                  | 16                | 2 608 585 740        | P1c            | 1             | 1                      | 511025             | GAF            | 8.76              |  |
| 8                  | 19                | 2 608 585 741        | P1c            | 1             | 1                      | 511032             | GAF            | 8.76              |  |
| 10                 | 19                | 2 608 585 742        | P1c            | 1             | 1                      | 511049             | GAF            | 9.88              |  |

### Brad point drill bits HSS with 1/4" hex shank



- ▶ **Suitable for** hard and soft wood
- ▶ HSS precision brad point drill bit ground from solid metal with centring tip and cutting edges
- ▶ With hex shank manufactured to ISO 1173 E6.3
- ▶ Fast, tool-free drill bit changes
- ▶ Drill bit colour: polished
- ▶ Two flutes



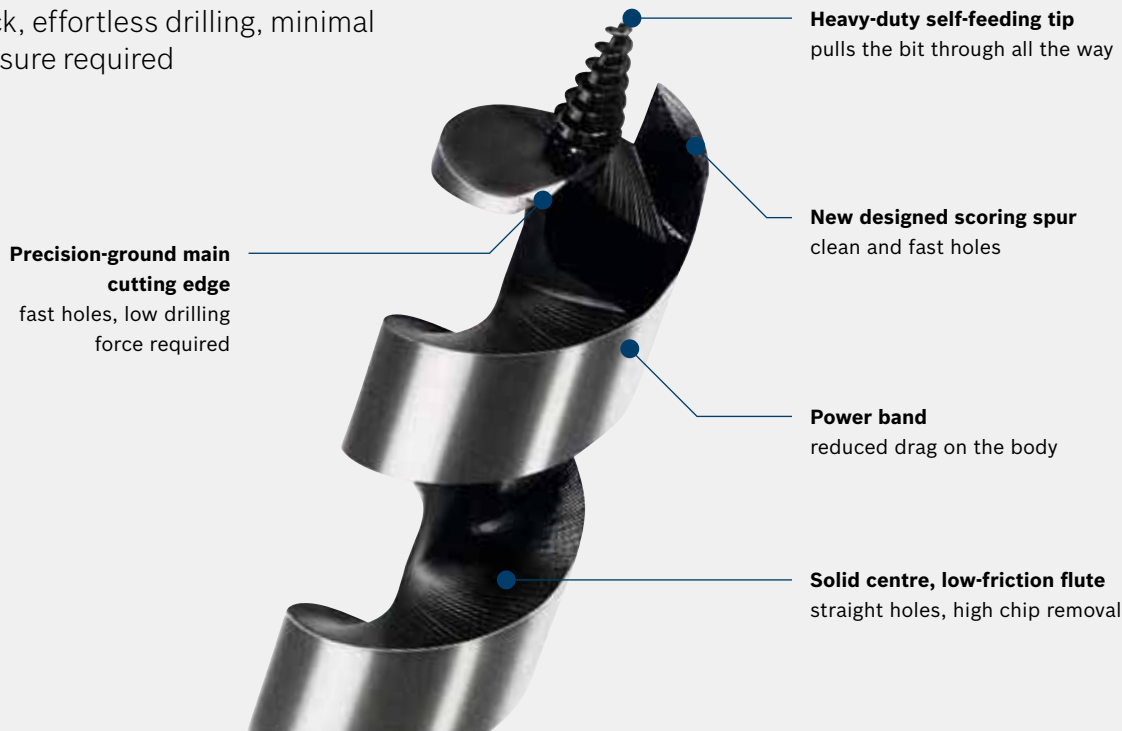
| Product properties |                        | Ordering information |               |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|---------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number   | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| 2                  | 24                     | 62                   | 2 608 595 518 | PC1d           | 1             | 5                      | 395434             | GAF            | 1.76              |
| 3                  | 33                     | 74                   | 2 608 595 519 | PC1d           | 1             | 5                      | 395441             | GAF            | 3.28              |
| 4                  | 43                     | 88                   | 2 608 595 520 | PC1d           | 1             | 5                      | 395458             | GAF            | 3.28              |
| 5                  | 52                     | 99                   | 2 608 595 521 | PC1d           | 1             | 5                      | 395465             | GAF            | 3.59              |
| 6                  | 63                     | 106                  | 2 608 595 522 | PC1d           | 1             | 5                      | 395472             | GAF            | 3.59              |
| 8                  | 75                     | 117                  | 2 608 595 523 | PC1d           | 1             | 5                      | 395489             | GAF            | 4.11              |
| 10                 | 87                     | 133                  | 2 608 595 524 | PC1d           | 1             | 5                      | 395496             | GAF            | 4.72              |



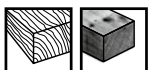
# Spur auger bits

## Precise and clean drilled holes

Quick, effortless drilling, minimal pressure required



### Spur auger bits, hex shank



- ▶ **Suitable for** all soft and hard woods, even wet wood
- ▶ Ideal for use in ancillary building trade, for joiners and roofers
- ▶ Can be used in all drills with 13 mm chuck
- ▶ For through-holes, pre-drilling for rafter nails and for deep dowel holes
- ▶ Precision-ground for accurate dimensional stability when drilling
- ▶ Fast drilling rate due to optimised flute geometry
- ▶ High break resistance, fine surface finish



| Product properties  |                        |                      |                  |                    | Ordering information |                |               |                        |                      |                |                   |
|---------------------|------------------------|----------------------|------------------|--------------------|----------------------|----------------|---------------|------------------------|----------------------|----------------|-------------------|
| Diameter (D) mm     | Working length (L1) mm | Total length (L2) mm | Key width (d) mm | Key width (d) Inch | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 31 651 40... | Discount group | List Price ex vat |
| Total length 160 mm |                        |                      |                  |                    |                      |                |               |                        |                      |                |                   |
| 6                   | 100                    | 160                  | 4.80             | 3/16               | <b>2 608 585 694</b> | P1h            | 1             | 1                      | 488648               | GAF            | 5.04              |
| 7                   | 100                    | 160                  | 5.60             | 7/32               | <b>2 608 585 695</b> | P1h            | 1             | 1                      | 488655               | GAF            | 5.19              |
| 8                   | 100                    | 160                  | 6.35             | 1/4                | <b>2 608 585 696</b> | P1h            | 1             | 1                      | 488662               | GAF            | 5.19              |
| 10                  | 100                    | 160                  | 6.35             | 1/4                | <b>2 608 585 697</b> | P1h            | 1             | 1                      | 488679               | GAF            | 6.80              |

Spur auger bits, hex shank



| Product properties |                        |                      |                  |                    | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|------------------|--------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Key width (d) mm | Key width (d) Inch | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Total length 160 mm

|    |     |     |       |      |               |     |   |   |        |     |       |
|----|-----|-----|-------|------|---------------|-----|---|---|--------|-----|-------|
| 11 | 100 | 160 | 6.35  | 1/4  | 2 608 585 698 | P1h | 1 | 1 | 488686 | GAF | 7.16  |
| 12 | 100 | 160 | 6.35  | 1/4  | 2 608 585 699 | P1h | 1 | 1 | 488693 | GAF | 7.16  |
| 13 | 100 | 160 | 7.90  | 5/16 | 2 608 585 700 | P1h | 1 | 1 | 488709 | GAF | 7.27  |
| 14 | 100 | 160 | 11.10 | 7/16 | 2 608 585 701 | P1h | 1 | 1 | 488716 | GAF | 7.34  |
| 15 | 100 | 160 | 11.10 | 7/16 | 2 608 585 702 | P1h | 1 | 1 | 488723 | GAF | 8.02  |
| 16 | 100 | 160 | 11.10 | 7/16 | 2 608 585 703 | P1h | 1 | 1 | 488730 | GAF | 8.88  |
| 18 | 100 | 160 | 11.10 | 7/16 | 2 608 585 704 | P1h | 1 | 1 | 488747 | GAF | 11.60 |
| 20 | 100 | 160 | 11.10 | 7/16 | 2 608 585 705 | P1h | 1 | 1 | 488754 | GAF | 11.60 |
| 22 | 100 | 160 | 11.10 | 7/16 | 2 608 585 706 | P1h | 1 | 1 | 488761 | GAF | 12.16 |
| 24 | 100 | 160 | 11.10 | 7/16 | 2 608 585 707 | P1h | 1 | 1 | 488778 | GAF | 13.85 |
| 25 | 100 | 160 | 11.10 | 7/16 | 2 608 585 708 | P1h | 1 | 1 | 488785 | GAF | 14.72 |
| 26 | 100 | 160 | 11.10 | 7/16 | 2 608 585 709 | P1h | 1 | 1 | 488792 | GAF | 15.49 |
| 28 | 100 | 160 | 11.10 | 7/16 | 2 608 585 710 | P1h | 1 | 1 | 488808 | GAF | 17.58 |
| 30 | 100 | 160 | 11.10 | 7/16 | 2 608 585 711 | P1h | 1 | 1 | 488815 | GAF | 19.82 |
| 32 | 100 | 160 | 11.10 | 7/16 | 2 608 585 712 | P1h | 1 | 1 | 488822 | GAF | 21.86 |

Total length 235 mm

|    |     |     |       |      |               |     |   |   |        |     |       |
|----|-----|-----|-------|------|---------------|-----|---|---|--------|-----|-------|
| 6  | 160 | 235 | 4.80  | 3/16 | 2 608 597 622 | P1h | 1 | 1 | 183314 | GAF | 7.21  |
| 7  | 160 | 235 | 5.60  | 7/32 | 2 608 585 713 | P1h | 1 | 1 | 488839 | GAF | 7.41  |
| 8  | 160 | 235 | 6.35  | 1/4  | 2 608 597 623 | P1h | 1 | 1 | 183321 | GAF | 7.41  |
| 10 | 160 | 235 | 6.35  | 1/4  | 2 608 597 624 | P1h | 1 | 1 | 183338 | GAF | 9.72  |
| 11 | 160 | 235 | 6.35  | 1/4  | 2 608 597 625 | P1h | 1 | 1 | 183345 | GAF | 10.24 |
| 12 | 160 | 235 | 6.35  | 1/4  | 2 608 597 626 | P1h | 1 | 1 | 183352 | GAF | 10.24 |
| 13 | 160 | 235 | 7.90  | 5/16 | 2 608 597 627 | P1h | 1 | 1 | 183369 | GAF | 10.38 |
| 14 | 160 | 235 | 11.10 | 7/16 | 2 608 597 628 | P1h | 1 | 1 | 183376 | GAF | 10.50 |
| 15 | 160 | 235 | 11.10 | 7/16 | 2 608 597 629 | P1h | 1 | 1 | 183383 | GAF | 11.47 |
| 16 | 160 | 235 | 11.10 | 7/16 | 2 608 597 630 | P1h | 1 | 1 | 183390 | GAF | 12.69 |
| 18 | 160 | 235 | 11.10 | 7/16 | 2 608 597 631 | P1h | 1 | 1 | 183406 | GAF | 16.57 |
| 20 | 160 | 235 | 11.10 | 7/16 | 2 608 597 632 | P1h | 1 | 1 | 183413 | GAF | 16.57 |
| 22 | 160 | 235 | 11.10 | 7/16 | 2 608 597 633 | P1h | 1 | 1 | 183420 | GAF | 17.38 |
| 24 | 160 | 235 | 11.10 | 7/16 | 2 608 597 634 | P1h | 1 | 1 | 183437 | GAF | 19.79 |
| 25 | 160 | 235 | 11.10 | 7/16 | 2 608 597 635 | P1h | 1 | 1 | 183444 | GAF | 21.03 |
| 26 | 160 | 235 | 11.10 | 7/16 | 2 608 597 636 | P1h | 1 | 1 | 183451 | GAF | 22.13 |
| 28 | 160 | 235 | 11.10 | 7/16 | 2 608 597 637 | P1h | 1 | 1 | 183468 | GAF | 25.13 |
| 30 | 160 | 235 | 11.10 | 7/16 | 2 608 597 638 | P1h | 1 | 1 | 183475 | GAF | 28.31 |
| 32 | 160 | 235 | 11.10 | 7/16 | 2 608 597 639 | P1h | 1 | 1 | 183482 | GAF | 31.23 |

Total length 450 mm

|    |     |     |       |      |               |     |   |   |        |     |       |
|----|-----|-----|-------|------|---------------|-----|---|---|--------|-----|-------|
| 7  | 360 | 450 | 5.60  | 7/32 | 2 608 585 714 | P1h | 1 | 1 | 488846 | GAF | 25.33 |
| 8  | 360 | 450 | 6.35  | 1/4  | 2 608 597 640 | P1h | 1 | 1 | 183499 | GAF | 25.33 |
| 10 | 360 | 450 | 6.35  | 1/4  | 2 608 597 641 | P1h | 1 | 1 | 183505 | GAF | 25.80 |
| 12 | 360 | 450 | 6.35  | 1/4  | 2 608 597 642 | P1h | 1 | 1 | 183512 | GAF | 26.21 |
| 14 | 360 | 450 | 11.10 | 7/16 | 2 608 597 643 | P1h | 1 | 1 | 183529 | GAF | 26.21 |
| 16 | 360 | 450 | 11.10 | 7/16 | 2 608 597 644 | P1h | 1 | 1 | 183536 | GAF | 31.77 |
| 18 | 360 | 450 | 11.10 | 7/16 | 2 608 597 645 | P1h | 1 | 1 | 183543 | GAF | 35.27 |
| 20 | 360 | 450 | 11.10 | 7/16 | 2 608 597 646 | P1h | 1 | 1 | 183550 | GAF | 42.28 |
| 22 | 360 | 450 | 11.10 | 7/16 | 2 608 597 647 | P1h | 1 | 1 | 183567 | GAF | 44.31 |
| 24 | 360 | 450 | 11.10 | 7/16 | 2 608 597 648 | P1h | 1 | 1 | 183574 | GAF | 46.11 |
| 25 | 360 | 450 | 11.10 | 7/16 | 2 608 585 730 | P1h | 1 | 1 | 505925 | GAF | 47.90 |
| 26 | 360 | 450 | 11.10 | 7/16 | 2 608 597 649 | P1h | 1 | 1 | 183581 | GAF | 49.82 |
| 28 | 360 | 450 | 11.10 | 7/16 | 2 608 597 650 | P1h | 1 | 1 | 183598 | GAF | 55.27 |
| 30 | 360 | 450 | 11.10 | 7/16 | 2 608 597 651 | P1h | 1 | 1 | 183604 | GAF | 60.53 |
| 32 | 360 | 450 | 11.10 | 7/16 | 2 608 597 652 | P1h | 1 | 1 | 183611 | GAF | 65.27 |

### Spur auger bits, hex shank

| Product properties  |                        |                      |                  |                    | Ordering information |                |               |                        |                    |                |                   |  |
|---------------------|------------------------|----------------------|------------------|--------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm     | Working length (L1) mm | Total length (L2) mm | Key width (d) mm | Key width (d) Inch | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| Total length 600 mm |                        |                      |                  |                    |                      |                |               |                        |                    |                |                   |  |
| 10                  | 470                    | 600                  | 7.90             | 5/16               | <b>2 608 585 716</b> | P1h            | 1             | 1                      | 488860             | GAF            | 33.55             |  |
| 12                  | 470                    | 600                  | 7.90             | 5/16               | <b>2 608 585 717</b> | P1h            | 1             | 1                      | 488877             | GAF            | 34.08             |  |
| 14                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 718</b> | P1h            | 1             | 1                      | 488884             | GAF            | 34.08             |  |
| 16                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 719</b> | P1h            | 1             | 1                      | 488891             | GAF            | 41.28             |  |
| 18                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 720</b> | P1h            | 1             | 1                      | 488907             | GAF            | 45.86             |  |
| 20                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 721</b> | P1h            | 1             | 1                      | 488914             | GAF            | 54.96             |  |
| 22                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 722</b> | P1h            | 1             | 1                      | 488921             | GAF            | 57.60             |  |
| 24                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 723</b> | P1h            | 1             | 1                      | 488938             | GAF            | 59.94             |  |
| 26                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 724</b> | P1h            | 1             | 1                      | 488945             | GAF            | 64.78             |  |
| 28                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 725</b> | P1h            | 1             | 1                      | 488952             | GAF            | 71.85             |  |
| 30                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 726</b> | P1h            | 1             | 1                      | 488969             | GAF            | 78.70             |  |
| 32                  | 470                    | 600                  | 11.10            | 7/16               | <b>2 608 585 727</b> | P1h            | 1             | 1                      | 488976             | GAF            | 84.85             |  |

### Spur auger bit sets, hex shank



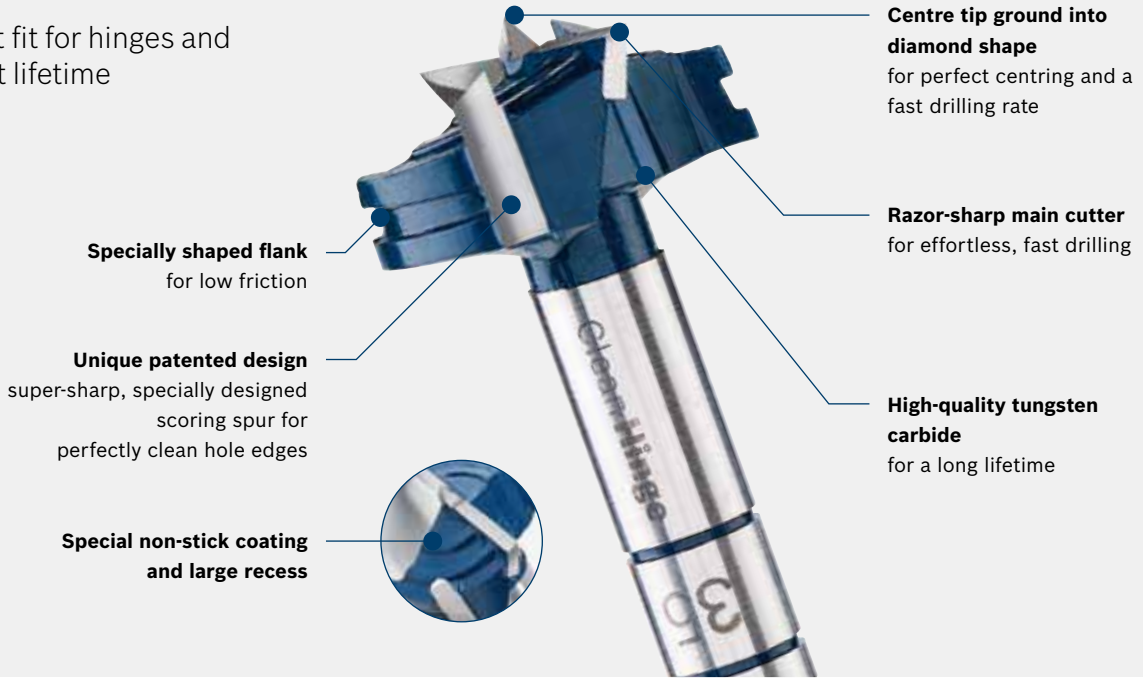
| Product properties               |                      |                    | Ordering information |                |               |                        |                    |                |                   |  |
|----------------------------------|----------------------|--------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm                      | Working length(s) mm | Total length(s) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 6-piece spur auger bit set       |                      |                    |                      |                |               |                        |                    |                |                   |  |
| 10<br>12<br>14<br>16<br>18<br>20 | 160                  | 235                | <b>2 607 019 322</b> | W0a            | 6             | 1                      | 379090             | GAZ            | 71.66             |  |
| 10<br>12<br>14<br>16<br>18<br>20 | 360                  | 450                | <b>2 607 019 323</b> | W0a            | 6             | 1                      | 379106             | GAZ            | 176.28            |  |



# Clean Hinge cutting bit, tungsten carbide tipped

Perfectly clean and precise drilled holes in all wood materials

Perfect fit for hinges and longest lifetime



- Centre tip ground into diamond shape**  
for perfect centring and a fast drilling rate
- Razor-sharp main cutter**  
for effortless, fast drilling
- High-quality tungsten carbide**  
for a long lifetime
- Specially shaped flank**  
for low friction
- Unique patented design**  
super-sharp, specially designed scoring spur for perfectly clean hole edges
- Special non-stick coating and large recess**

## Clean Hinge cutting bits, tungsten carbide tipped

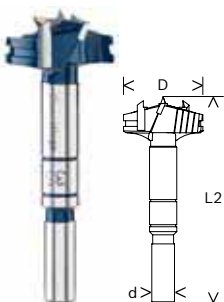


- ▶ **Suitable for** tear-free drilling in all wood materials, abrasive materials such as plywood, hardwood, chipboard, wood fibreboard, plastic laminated wood. Perfect working also in solid wood
- ▶ **Ideal for** joiners and carpenters, furniture and cabinet manufacturers, kitchen, shop and exhibition stand builders

| Diameter (D) mm    | Total length (L2) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|----------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                      |                       | Ordering information |                |               |                        |                    |                |                   |

Pack of 1

|    |    |   |               |     |   |   |        |     |       |
|----|----|---|---------------|-----|---|---|--------|-----|-------|
| 10 | 90 | 8 | 2 608 585 781 | P1p | 1 | 1 | 511438 | GAF | 31.96 |
| 12 | 90 | 8 | 2 608 585 782 | P1p | 1 | 1 | 511445 | GAF | 34.04 |
| 14 | 90 | 8 | 2 608 585 783 | P1p | 1 | 1 | 511452 | GAF | 38.37 |
| 15 | 90 | 8 | 2 608 585 784 | P1p | 1 | 1 | 511469 | GAF | 38.37 |
| 16 | 90 | 8 | 2 608 585 785 | P1p | 1 | 1 | 511476 | GAF | 39.41 |
| 18 | 90 | 8 | 2 608 585 786 | P1p | 1 | 1 | 511483 | GAF | 39.41 |
| 20 | 90 | 8 | 2 608 585 787 | P1p | 1 | 1 | 511490 | GAF | 39.41 |
| 22 | 90 | 8 | 2 608 585 788 | P1p | 1 | 1 | 511506 | GAF | 40.49 |
| 24 | 90 | 8 | 2 608 585 789 | P1p | 1 | 1 | 511513 | GAF | 40.49 |
| 25 | 90 | 8 | 2 608 585 790 | P1p | 1 | 1 | 511520 | GAF | 40.49 |

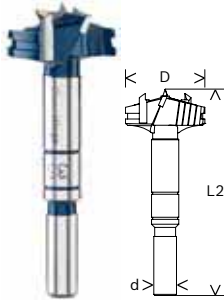


### Clean Hinge cutting bits, tungsten carbide tipped

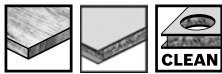
| Product properties |                      | Ordering information  |             |                |               |                        |                    |                |                   |
|--------------------|----------------------|-----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Total length (L2) mm | Shank diameter (d) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 1

|    |    |    |               |     |   |   |        |     |       |
|----|----|----|---------------|-----|---|---|--------|-----|-------|
| 26 | 90 | 8  | 2 608 585 791 | P1p | 1 | 1 | 511537 | GAF | 40.49 |
| 27 | 90 | 8  | 2 608 585 792 | P1p | 1 | 1 | 511544 | GAF | 52.05 |
| 28 | 90 | 8  | 2 608 585 793 | P1p | 1 | 1 | 511551 | GAF | 41.57 |
| 30 | 90 | 8  | 2 608 585 794 | P1p | 1 | 1 | 511568 | GAF | 41.57 |
| 32 | 90 | 10 | 2 608 585 795 | P1p | 1 | 1 | 511575 | GAF | 43.45 |
| 34 | 90 | 10 | 2 608 585 796 | P1p | 1 | 1 | 511582 | GAF | 43.45 |
| 35 | 90 | 10 | 2 608 585 797 | P1p | 1 | 1 | 511599 | GAF | 43.45 |
| 36 | 90 | 10 | 2 608 585 798 | P1p | 1 | 1 | 511605 | GAF | 43.45 |
| 38 | 90 | 10 | 2 608 585 799 | P1p | 1 | 1 | 511612 | GAF | 51.57 |
| 40 | 90 | 10 | 2 608 585 800 | P1p | 1 | 1 | 511629 | GAF | 51.57 |
| 45 | 90 | 10 | 2 608 585 801 | P1p | 1 | 1 | 511636 | GAF | 66.57 |
| 50 | 90 | 10 | 2 608 585 802 | P1p | 1 | 1 | 511643 | GAF | 76.33 |



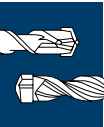
### Clean Hinge cutting bits, tungsten carbide tipped



| Product properties |             | Ordering information |               |                        |                    |                |                   |  |
|--------------------|-------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Part number | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

5-piece Clean Hinge cutting bit set, tungsten carbide tipped

|    |               |     |   |   |        |     |        |
|----|---------------|-----|---|---|--------|-----|--------|
| 15 | 2 607 017 008 | W0a | 1 | 1 | 536738 | GAZ | 203.27 |
| 20 |               |     |   |   |        |     |        |
| 25 |               |     |   |   |        |     |        |
| 30 |               |     |   |   |        |     |        |
| 35 |               |     |   |   |        |     |        |



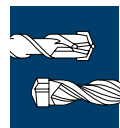




### Forstner drill bits, DIN 7483 G

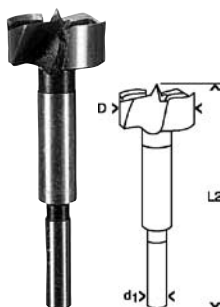


- ▶ **Suitable for** hard and soft wood, veneered wood
- ▶ Precision drill bit with main and side cutting spurs, and short centre tip
- ▶ Made of tempered special steel according to factory standard, cutter hardness of minimum 50 HRC
- ▶ Forged and ground drilling head, polished with black flutes
- ▶ Meets high requirements with regard to cutting quality and tear-free drilled hole edges
- ▶ Can be used in all drills with 10 mm chuck



| Product properties |                                   |                       | Ordering information |                |               |                        |                    |                |                   |
|--------------------|-----------------------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Total length (L <sub>2</sub> ) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 1



|    |    |    |               |     |   |   |        |     |       |
|----|----|----|---------------|-----|---|---|--------|-----|-------|
| 10 | 90 | 8  | 2 608 596 971 | C1a | 1 | 1 | 076043 | GAF | 9.26  |
| 15 | 90 | 8  | 2 608 596 972 | C1a | 1 | 1 | 076050 | GAF | 9.33  |
| 20 | 90 | 8  | 2 608 596 973 | C1a | 1 | 1 | 076067 | GAF | 9.47  |
| 25 | 90 | 8  | 2 608 596 974 | C1a | 1 | 1 | 076074 | GAF | 10.09 |
| 26 | 90 | 8  | 2 608 596 975 | C1a | 1 | 1 | 076081 | GAF | 10.22 |
| 30 | 90 | 8  | 2 608 596 976 | C1a | 1 | 1 | 076098 | GAF | 10.66 |
| 32 | 90 | 10 | 2 608 597 114 | C1a | 1 | 1 | 098045 | GAF | 10.91 |
| 35 | 90 | 10 | 2 608 596 977 | C1a | 1 | 1 | 076104 | GAF | 11.35 |
| 40 | 90 | 10 | 2 608 596 978 | C1a | 1 | 1 | 076111 | GAF | 13.65 |
| 50 | 90 | 10 | 2 608 597 121 | C1a | 1 | 1 | 098113 | GAF | 16.85 |

### Forstner drill bit set

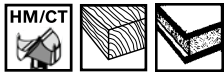


| Product properties |             | Ordering information |               |                        |                    |                |                   |  |
|--------------------|-------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Part number | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

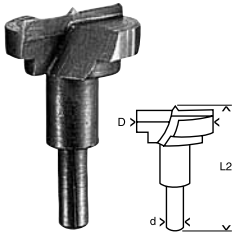
5-piece Forstner drill bit set

|    |               |     |   |   |        |     |       |
|----|---------------|-----|---|---|--------|-----|-------|
| 15 | 2 607 018 395 | W0a | 5 | 1 | 098120 | GAZ | 46.69 |
| 20 |               |     |   |   |        |     |       |
| 25 |               |     |   |   |        |     |       |
| 30 |               |     |   |   |        |     |       |
| 35 |               |     |   |   |        |     |       |

### Cantilever hinge cutting bits



- ▶ **Suitable for** soft and hard wood, treated woods, laminated chipboard, abrasive materials with mineral content, also for medium density tiles
- ▶ Ideal for pre-drilling for fittings
- ▶ Versions with and without tungsten carbide

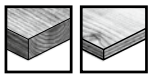


| Product properties |                      | Ordering information  |             |                |               |                        |                    |                |                   |  |
|--------------------|----------------------|-----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Total length (L2) mm | Shank diameter (d) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

Cantilever hinge cutter bit, tungsten carbide tipped

|    |    |   |                      |     |   |   |        |     |       |  |
|----|----|---|----------------------|-----|---|---|--------|-----|-------|--|
| 26 | 56 | 8 | <b>2 608 596 979</b> | C1a | 1 | 1 | 076128 | GAF | 14.85 |  |
| 30 | 56 | 8 | <b>2 608 596 980</b> | C1a | 1 | 1 | 076142 | GAF | 15.70 |  |
| 35 | 56 | 8 | <b>2 608 596 981</b> | C1a | 1 | 1 | 076159 | GAF | 16.52 |  |

### Plugcutters/Shank cutters



- ▶ **Suitable for** soft and hard wood such as pine, beech, oak
- ▶ Especially for joiners, carpenters, exhibition stand builders
- ▶ Plugcutter with high performance and long life thanks to high-quality tool steel and solid structure
- ▶ Precision-ground drilling head for precise, cylindrical, accurately fitting tenons
- ▶ Low friction thanks to high concentricity and optimum geometry with multiple relief grinding
- ▶ The extra-long body with open sides enables extra-long tenons to be cut and easily removed
- ▶ The 13 mm cylindrical shank fits all standard drills



| Product properties |                 | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|-----------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Total length mm | Shank diameter mm    | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

|    |     |    |                      |     |   |   |        |     |       |  |
|----|-----|----|----------------------|-----|---|---|--------|-----|-------|--|
| 10 | 140 | 13 | <b>2 608 585 743</b> | P1a | 1 | 1 | 511056 | GAF | 48.41 |  |
| 15 | 140 | 13 | <b>2 608 585 744</b> | P1a | 1 | 1 | 511063 | GAF | 51.01 |  |
| 20 | 140 | 13 | <b>2 608 585 745</b> | P1a | 1 | 1 | 511070 | GAF | 62.78 |  |
| 25 | 140 | 13 | <b>2 608 585 746</b> | P1a | 1 | 1 | 511087 | GAF | 65.38 |  |
| 30 | 140 | 13 | <b>2 608 585 747</b> | P1a | 1 | 1 | 511094 | GAF | 68.01 |  |
| 35 | 160 | 13 | <b>2 608 585 748</b> | P1a | 1 | 1 | 511100 | GAF | 78.47 |  |
| 40 | 160 | 13 | <b>2 608 585 749</b> | P1a | 1 | 1 | 511117 | GAF | 91.55 |  |

# Spade bits Self Cut

## Fast and clean holes

Excellent price/performance and drilling accuracy ratio: up to four times more cost-effective than the spur auger bit



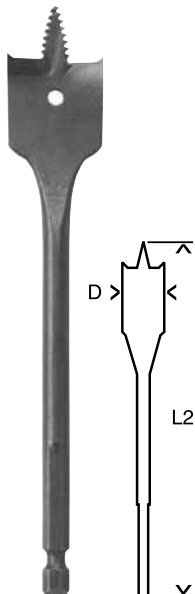
**Clean holes**  
new cutting geometry for safe and accurate drilling

**Innovative self-feeding threaded tip**  
for fast and accurate drilling with little exertion of force; pulls itself through all the way, even in hardwood

### Spade bits Self Cut, with 1/4" hex shank



- ▶ **Suitable for** soft and hard wood, light building materials and plasterboard
- ▶ Drills three times as fast as standard spade bits
- ▶ Patent pending, self-feeding threaded tip and cutting geometry
- ▶ Manufactured in accordance with own factory standards from specially toughened steel
- ▶ Precision-ground tip and cutting edges for accurate dimensional stability when drilling
- ▶ 1/4" hex shank manufactured to ISO 1173 E6.3
- ▶ Drill bit colour: grey, sand-blasted



| Product properties  |                      | Ordering information |                |               |                        |                    |                |                   |
|---------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm     | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Total length 152 mm |                      |                      |                |               |                        |                    |                |                   |
| 6                   | 152                  | 2 608 595 481        | PC1a           | 1             | 5                      | 352963             | GAF            | 5.23              |
| 8                   | 152                  | 2 608 595 482        | PC1a           | 1             | 5                      | 352970             | GAF            | 5.23              |
| 10                  | 152                  | 2 608 595 483        | PC1a           | 1             | 5                      | 352987             | GAF            | 6.05              |
| 12                  | 152                  | 2 608 595 484        | PC1a           | 1             | 5                      | 352994             | GAF            | 6.05              |
| 13                  | 152                  | 2 608 595 485        | PC1a           | 1             | 5                      | 353007             | GAF            | 6.05              |

**Spade bits Self Cut, with 1/4" hex shank**



| Product properties |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

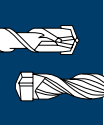
Total length 152 mm

|    |     |               |      |   |   |        |     |      |
|----|-----|---------------|------|---|---|--------|-----|------|
| 14 | 152 | 2 608 595 486 | PC1a | 1 | 5 | 353014 | GAF | 6.05 |
| 16 | 152 | 2 608 595 487 | PC1a | 1 | 5 | 353021 | GAF | 6.05 |
| 17 | 152 | 2 608 595 488 | PC1a | 1 | 5 | 353038 | GAF | 6.23 |
| 18 | 152 | 2 608 595 489 | PC1a | 1 | 5 | 353045 | GAF | 6.27 |
| 19 | 152 | 2 608 595 490 | PC1a | 1 | 5 | 353052 | GAF | 6.32 |
| 20 | 152 | 2 608 595 491 | PC1a | 1 | 5 | 353069 | GAF | 6.32 |
| 22 | 152 | 2 608 595 492 | PC1a | 1 | 5 | 353076 | GAF | 6.88 |
| 24 | 152 | 2 608 595 493 | PC1a | 1 | 5 | 353083 | GAF | 6.88 |
| 25 | 152 | 2 608 595 494 | PC1a | 1 | 5 | 353090 | GAF | 7.42 |
| 26 | 152 | 2 608 595 495 | PC1a | 1 | 5 | 353106 | GAF | 7.67 |
| 28 | 152 | 2 608 595 496 | PC1a | 1 | 5 | 353113 | GAF | 7.86 |
| 30 | 152 | 2 608 595 497 | PC1a | 1 | 5 | 353120 | GAF | 8.31 |
| 32 | 152 | 2 608 595 498 | PC1a | 1 | 5 | 353137 | GAF | 8.58 |
| 35 | 152 | 2 608 595 499 | PC1a | 1 | 5 | 353144 | GAF | 9.56 |
| 36 | 152 | 2 608 595 500 | PC1a | 1 | 5 | 353151 | GAF | 9.90 |
| 38 | 152 | 2 608 595 501 | PC1a | 1 | 5 | 353168 | GAF | 9.90 |
| 40 | 152 | 2 608 595 502 | PC1a | 1 | 5 | 353175 | GAF | 9.90 |

Total length 400 mm

|    |     |               |      |   |   |        |     |       |
|----|-----|---------------|------|---|---|--------|-----|-------|
| 6  | 400 | 2 608 595 400 | PC1a | 1 | 5 | 346238 | GAF | 8.78  |
| 8  | 400 | 2 608 595 401 | PC1a | 1 | 5 | 346245 | GAF | 8.78  |
| 10 | 400 | 2 608 595 402 | PC1a | 1 | 5 | 346252 | GAF | 10.18 |
| 12 | 400 | 2 608 595 403 | PC1a | 1 | 5 | 346269 | GAF | 10.18 |
| 13 | 400 | 2 608 595 404 | PC1a | 1 | 5 | 346276 | GAF | 10.18 |
| 14 | 400 | 2 608 595 405 | PC1a | 1 | 5 | 346283 | GAF | 10.18 |
| 16 | 400 | 2 608 595 406 | PC1a | 1 | 5 | 346290 | GAF | 10.18 |
| 17 | 400 | 2 608 595 407 | PC1a | 1 | 5 | 346306 | GAF | 10.42 |
| 18 | 400 | 2 608 595 408 | PC1a | 1 | 5 | 346313 | GAF | 10.57 |
| 19 | 400 | 2 608 595 409 | PC1a | 1 | 5 | 346320 | GAF | 10.62 |
| 20 | 400 | 2 608 595 410 | PC1a | 1 | 5 | 346337 | GAF | 10.62 |
| 22 | 400 | 2 608 595 411 | PC1a | 1 | 5 | 346344 | GAF | 11.56 |
| 24 | 400 | 2 608 595 412 | PC1a | 1 | 5 | 346351 | GAF | 11.56 |
| 25 | 400 | 2 608 595 413 | PC1a | 1 | 5 | 346368 | GAF | 12.48 |
| 26 | 400 | 2 608 595 414 | PC1a | 1 | 5 | 346375 | GAF | 12.93 |
| 28 | 400 | 2 608 595 415 | PC1a | 1 | 5 | 346382 | GAF | 13.20 |
| 30 | 400 | 2 608 595 416 | PC1a | 1 | 5 | 346399 | GAF | 13.97 |
| 32 | 400 | 2 608 595 417 | PC1a | 1 | 5 | 346405 | GAF | 14.41 |
| 35 | 400 | 2 608 595 418 | PC1a | 1 | 5 | 346412 | GAF | 16.07 |
| 36 | 400 | 2 608 595 419 | PC1a | 1 | 5 | 346429 | GAF | 16.62 |
| 38 | 400 | 2 608 595 420 | PC1a | 1 | 5 | 346436 | GAF | 16.62 |
| 40 | 400 | 2 608 595 421 | PC1a | 1 | 5 | 346443 | GAF | 16.62 |

### Spade bit sets Self Cut



| Product properties             |               | Ordering information |               |                        |                    |                |                   |  |
|--------------------------------|---------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm                    | Part number   | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 6-piece spade bit set Self Cut |               |                      |               |                        |                    |                |                   |  |
| 13                             | 2 608 595 425 | P1c                  | 6             | 5                      | 346627             | GAZ            | 33.84             |  |
| 16                             |               |                      |               |                        |                    |                |                   |  |
| 19                             |               |                      |               |                        |                    |                |                   |  |
| 20                             |               |                      |               |                        |                    |                |                   |  |
| 22                             |               |                      |               |                        |                    |                |                   |  |
| 25                             |               |                      |               |                        |                    |                |                   |  |

### Extension for spade bits



| Product properties   |               | Ordering information |               |                        |                    |                |                   |  |
|--|---------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Length mm  | Part number   | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| Hex shank extension 1/4" (6.35 mm) for Self Cut spade bits |               |                      |               |                        |                    |                |                   |  |
| 152  | 2 608 595 422 | PC1a                 | 1             | 1                      | 346450             | GAF            | 7.71              |  |
| 305  | 2 608 595 423 | PC1a                 | 1             | 1                      | 346467             | GAF            | 11.48             |  |

### Adjustable spade bit



| Product properties   |               | Ordering information |               |                        |                    |                |                   |  |
|--|---------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Total length (L2) mm                                       | Part number   | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| Adjustable spade bit, 15-25 mm diameter, 25-45 mm diameter |               |                      |               |                        |                    |                |                   |  |
| 120  | 2 608 596 333 | P1c                  | 1             | 1                      | 059398             | GAF            | 20.57             |  |

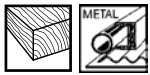
# Formwork and installation drill bits



- ▶ Very robust drill bit: the drill bit and shank end are screw-connected, which ensures low risk of breakage and improved smooth running properties
- ▶ Tapered flute and offset drill bit and shank ends prevent jamming, even in moist wood
- ▶ Even cuts through nails embedded in wood
- ▶ Safe drilling without jamming due to use of offset drill bit and shank ends

Extra-long shank for versatile drilling in multi-layer light building materials or sandwich material

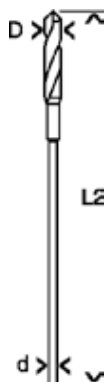
## Formwork and installation drill bits



- ▶ **Suitable for** formwork, interior fitting work, plumbing, heating, electrical installation, also for metals, e.g. sandwich material with steel, aluminium or profile sheeting, wood, plasterboard, light building materials, insulation
- ▶ Can be used in all drills with 13 mm chuck
- ▶ HSS twist drill bit with long shank, drill bit tip with chisel edge 118°, manufactured to DIN 7490
- ▶ Drill bit meets the safety standards of the “Berufsgenossenschaft Holz” (German Timber Trade Association)
- ▶ Drill bit colour: black, polished
- ▶ **Note:** Only drill with rotary function, without impact



B-tip



| Product properties  |                      | Ordering information  |               |                |               |                        |                    |                |                   |
|---------------------|----------------------|-----------------------|---------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm     | Total length (L2) mm | Shank diameter (d) mm | Part number   | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Total length 400 mm |                      |                       |               |                |               |                        |                    |                |                   |
| 6                   | 400                  | 5                     | 2 608 597 165 | P1c            | 1             | 1                      | 099318             | GAF            | 7.43              |
| 8                   | 400                  | 6                     | 2 608 596 335 | P1c            | 1             | 1                      | 059411             | GAF            | 10.29             |
| 10                  | 400                  | 8                     | 2 608 596 336 | P1c            | 1             | 1                      | 059428             | GAF            | 11.74             |
| 12                  | 400                  | 8                     | 2 608 596 337 | P1c            | 1             | 1                      | 059435             | GAF            | 12.07             |



**Formwork and installation drill bits**

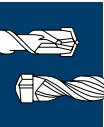
| Product properties |                      |                       | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|----------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Total length (L2) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

Total length 400 mm

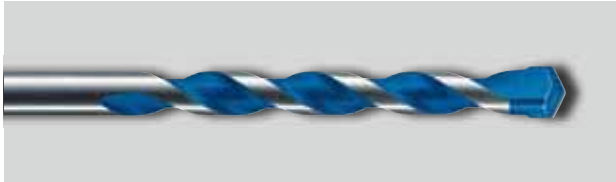
|    |     |    |               |     |   |   |        |     |       |
|----|-----|----|---------------|-----|---|---|--------|-----|-------|
| 14 | 400 | 8  | 2 608 596 338 | P1c | 1 | 1 | 059442 | GAF | 12.07 |
| 16 | 400 | 10 | 2 608 596 339 | P1c | 1 | 1 | 059459 | GAF | 22.81 |
| 18 | 400 | 10 | 2 608 596 340 | P1c | 1 | 1 | 059466 | GAF | 32.61 |
| 20 | 400 | 10 | 2 608 596 341 | P1c | 1 | 1 | 059473 | GAF | 35.35 |
| 22 | 400 | 10 | 2 608 597 167 | P1c | 1 | 1 | 099332 | GAF | 36.51 |
| 24 | 400 | 11 | 2 608 597 168 | P1c | 1 | 1 | 099349 | GAF | 37.35 |
| 25 | 400 | 11 | 2 608 597 169 | P1c | 1 | 1 | 099356 | GAF | 39.44 |
| 26 | 400 | 11 | 2 608 597 170 | P1c | 1 | 1 | 099363 | GAF | 42.53 |
| 28 | 400 | 11 | 2 608 597 171 | P1c | 1 | 1 | 099370 | GAF | 48.71 |
| 30 | 400 | 11 | 2 608 597 172 | P1c | 1 | 1 | 099387 | GAF | 53.34 |

Total length 600 mm

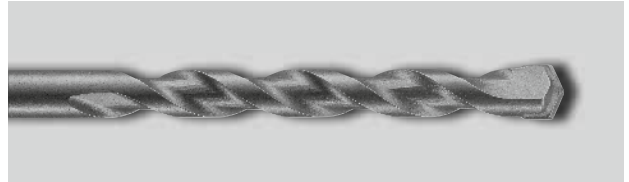
|    |     |    |               |     |   |   |        |     |       |
|----|-----|----|---------------|-----|---|---|--------|-----|-------|
| 6  | 600 | 5  | 2 608 597 173 | P1c | 1 | 1 | 099394 | GAF | 7.68  |
| 8  | 600 | 6  | 2 608 596 342 | P1c | 1 | 1 | 059480 | GAF | 10.61 |
| 10 | 600 | 8  | 2 608 596 343 | P1c | 1 | 1 | 059497 | GAF | 12.27 |
| 12 | 600 | 8  | 2 608 596 344 | P1c | 1 | 1 | 059503 | GAF | 18.63 |
| 14 | 600 | 8  | 2 608 596 345 | P1c | 1 | 1 | 059510 | GAF | 18.63 |
| 16 | 600 | 10 | 2 608 596 346 | P1c | 1 | 1 | 059527 | GAF | 23.80 |
| 18 | 600 | 10 | 2 608 596 347 | P1c | 1 | 1 | 059534 | GAF | 34.21 |
| 20 | 600 | 10 | 2 608 596 348 | P1c | 1 | 1 | 059541 | GAF | 37.22 |
| 22 | 600 | 10 | 2 608 597 174 | P1c | 1 | 1 | 099400 | GAF | 38.26 |
| 24 | 600 | 11 | 2 608 597 175 | P1c | 1 | 1 | 099417 | GAF | 38.66 |
| 26 | 600 | 11 | 2 608 597 176 | P1c | 1 | 1 | 099424 | GAF | 46.39 |
| 28 | 600 | 11 | 2 608 597 177 | P1c | 1 | 1 | 099431 | GAF | 51.42 |
| 30 | 600 | 11 | 2 608 597 178 | P1c | 1 | 1 | 099448 | GAF | 57.21 |



# Stone and multi-purpose drill bits, cylindrical shank



**Concrete drill bits Blue Granite**  
Page 119



**Concrete drill bits Silver Percussion**  
Page 122



**Masonry drill bits Impact**  
Page 126



**Multi-purpose drill bits Multi Construction**  
Page 129



**Tile drill bits Expert for Ceramic**  
Page 132

# Concrete drill bits Blue Granite



- ▶ Impact-resistant hammer drill bit, guarantees longer life in concrete and granite, extremely bend-resistant
- ▶ Unique design with deep U-shaped flute effectively prevents clogging caused by drilling dust = higher drilling rate
- ▶ Wide and deeply supported tungsten carbide plate prevents the tip from breaking out
- ▶ Diamond-ground, high-temperature-brazed tungsten carbide blades for fast, accurate and safe drilling

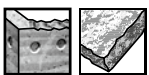
Concrete drill bits Blue Granite, suitable for hard materials



Bosch drill bits bear the test mark from Prüfgemeinschaft Mauerbohrer e.V. (masonry drill bit testing association) (PGM).  
**The PGM seal is the guarantor for:** compliance with tight tolerances, exact drilled holes and firm hold of fixings

## Concrete drill bits Blue Granite

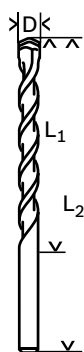
**BLUEGRANITE**



- ▶ **Suitable for** drilling holes in granite, concrete, masonry, limestone, natural and artificial stone
- ▶ Hammer resistant heavy duty drill bit, manufactured to ISO 5468, for all impact drills
- ▶ Suitable for drilling holes for fixings
- ▶ Drill bit colour: blue, polished



U-shape spiral flute, milled



| Product properties |                        | Ordering information |               |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|---------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number   | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Pack of 1          |                        |                      |               |                |               |                        |                    |                |                   |
| 3.0                | 40                     | 70                   | 2 608 597 722 | PC1d           | 1             | 5                      | 187343             | GAU            | 2.69              |
| 3.5                | 40                     | 70                   | 2 608 585 222 | PC1d           | 1             | 5                      | 462235             | GAU            | 4.82              |
| 4.0                | 40                     | 75                   | 2 608 597 723 | PC1d           | 1             | 5                      | 187350             | GAU            | 3.10              |
| 4.5                | 40                     | 75                   | 2 608 597 724 | PC1d           | 1             | 5                      | 187367             | GAU            | 4.95              |
| 5.0                | 50                     | 85                   | 2 608 597 725 | PC1d           | 1             | 5                      | 187374             | GAU            | 3.18              |
| 5.0                | 90                     | 150                  | 2 608 597 734 | PC1d           | 1             | 5                      | 187466             | GAU            | 4.10              |
| 5.5                | 50                     | 85                   | 2 608 597 726 | PC1d           | 1             | 5                      | 187381             | GAU            | 3.34              |

Concrete drill bits Blue Granite



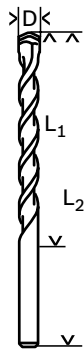
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 1

|      |     |     |               |      |   |   |        |     |       |
|------|-----|-----|---------------|------|---|---|--------|-----|-------|
| 6.0  | 60  | 100 | 2 608 597 727 | PC1d | 1 | 5 | 187398 | GAU | 3.39  |
| 6.0  | 90  | 150 | 2 608 597 735 | PC1d | 1 | 5 | 187473 | GAU | 4.60  |
| 6.5  | 60  | 100 | 2 608 597 728 | PC1d | 1 | 5 | 187404 | GAU | 3.52  |
| 7.0  | 60  | 100 | 2 608 597 729 | PC1d | 1 | 5 | 187411 | GAU | 4.10  |
| 7.0  | 90  | 150 | 2 608 585 219 | PC1d | 1 | 5 | 462204 | GAU | 4.82  |
| 8.0  | 80  | 120 | 2 608 597 730 | PC1d | 1 | 5 | 187428 | GAU | 4.15  |
| 8.0  | 90  | 150 | 2 608 585 220 | PC1d | 1 | 5 | 462211 | GAU | 4.79  |
| 8.0  | 200 | 250 | 2 608 597 743 | PC1d | 1 | 1 | 187558 | GAU | 5.53  |
| 8.5  | 80  | 120 | 2 608 597 731 | PC1d | 1 | 5 | 187435 | GAU | 5.88  |
| 9.0  | 80  | 120 | 2 608 597 732 | PC1d | 1 | 5 | 187442 | GAU | 6.18  |
| 10.0 | 80  | 120 | 2 608 597 733 | PC1d | 1 | 5 | 187459 | GAU | 5.31  |
| 10.0 | 90  | 150 | 2 608 585 221 | PC1d | 1 | 5 | 462228 | GAU | 5.43  |
| 10.0 | 200 | 250 | 2 608 597 744 | PC1d | 1 | 1 | 187565 | GAU | 6.22  |
| 12.0 | 90  | 150 | 2 608 597 736 | PC1d | 1 | 5 | 187480 | GAU | 7.31  |
| 12.0 | 200 | 250 | 2 608 597 745 | PC1d | 1 | 1 | 187572 | GAU | 8.70  |
| 13.0 | 90  | 150 | 2 608 597 737 | PC1d | 1 | 1 | 187497 | GAU | 9.42  |
| 14.0 | 90  | 150 | 2 608 597 738 | PC1d | 1 | 1 | 187503 | GAU | 11.05 |
| 15.0 | 100 | 160 | 2 608 597 739 | P1c  | 1 | 1 | 187510 | GAU | 13.18 |
| 16.0 | 100 | 160 | 2 608 597 740 | P1c  | 1 | 1 | 187527 | GAU | 13.42 |
| 18.0 | 100 | 160 | 2 608 597 741 | P1c  | 1 | 1 | 187534 | GAU | 17.04 |
| 20.0 | 100 | 160 | 2 608 597 742 | P1c  | 1 | 1 | 187541 | GAU | 18.14 |



U-shape spiral flute, milled



### Concrete drill bit sets Blue Granite

**BLUEGRANITE**

| Product properties |                   |                 | Ordering information |             |                |               |                        |                    |                |                   |
|--------------------|-------------------|-----------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter mm        | Working length mm | Total length mm | Set size             | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |



Set size A:  
156.5 x 69.5 x 23 mm

#### 5-piece Robust Line concrete drill bit set Blue Granite

|            |    |     |   |                      |     |   |   |        |     |       |
|------------|----|-----|---|----------------------|-----|---|---|--------|-----|-------|
| <b>5.0</b> | 50 | 85  | A | <b>2 607 010 525</b> | P1k | 5 | 1 | 446099 | GRL | 14.86 |
| <b>5.5</b> | 50 | 85  |   |                      |     |   |   |        |     |       |
| <b>6.0</b> | 60 | 100 |   |                      |     |   |   |        |     |       |
| <b>7.0</b> | 60 | 100 |   |                      |     |   |   |        |     |       |
| <b>8.0</b> | 80 | 120 |   |                      |     |   |   |        |     |       |



Set size D:  
197.0 x 87.5 x 23 mm

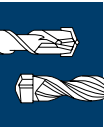
#### 7-piece Robust Line concrete drill bit set Blue Granite

|             |    |     |   |                      |     |   |   |        |     |       |
|-------------|----|-----|---|----------------------|-----|---|---|--------|-----|-------|
| <b>5.0</b>  | 50 | 85  | D | <b>2 607 010 547</b> | P1k | 7 | 1 | 446310 | GRL | 25.08 |
| <b>5.5</b>  | 50 | 85  |   |                      |     |   |   |        |     |       |
| <b>6.0</b>  | 60 | 100 |   |                      |     |   |   |        |     |       |
| <b>6.0</b>  | 60 | 100 |   |                      |     |   |   |        |     |       |
| <b>7.0</b>  | 60 | 100 |   |                      |     |   |   |        |     |       |
| <b>8.0</b>  | 80 | 120 |   |                      |     |   |   |        |     |       |
| <b>10.0</b> | 80 | 120 |   |                      |     |   |   |        |     |       |



#### 3-piece concrete drill bit set Blue Granite

|            |    |     |   |                      |     |   |   |        |     |       |
|------------|----|-----|---|----------------------|-----|---|---|--------|-----|-------|
| <b>5.0</b> | 50 | 85  | - | <b>2 608 597 747</b> | P1c | 3 | 5 | 187596 | GAU | 10.18 |
| <b>6.0</b> | 60 | 100 |   |                      |     |   |   |        |     |       |
| <b>8.0</b> | 80 | 120 |   |                      |     |   |   |        |     |       |



# Concrete drill bits Silver Percussion



- ▶ Impact-resistant hammer drill bit, guarantees longer life in concrete, extremely bend-resistant
- ▶ Unique design with deep U-shaped flute effectively prevents clogging caused by drilling dust = higher drilling rate
- ▶ Wide and deeply supported tungsten carbide plate prevents the tip from breaking out

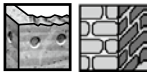
High resistance to breakage and fast waste removal for efficient use



Bosch drill bits bear the test mark from Prüfgemeinschaft Mauerbohrer e.V. (masonry drill bit testing association) (PGM). **The PGM seal is the guarantor for:** compliance with tight tolerances, exact drilled holes and firm hold of fixings

## Concrete drill bits Silver Percussion

### **SILVER PERCUSSION**



- ▶ **Suitable for** drilling holes in concrete, masonry, limestone, natural and artificial stone
- ▶ Hammer resistant heavy duty drill bit, manufactured to ISO 5468, for all impact drills
- ▶ Suitable for drilling holes for fixings
- ▶ Drill bit colour: silver-grey, sand-blasted

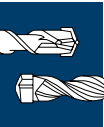


U-shape spiral flute, milled



| Product properties |                        | Ordering information |               |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|---------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number   | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Pack of 1          |                        |                      |               |                |               |                        |                    |                |                   |
| 3.0                | 40                     | 70                   | 2 608 597 655 | PC1d           | 1             | 5                      | 186674             | GAU            | 1.95              |
| 3.5                | 40                     | 70                   | 2 608 585 225 | PC1d           | 1             | 5                      | 462266             | GAU            | 1.82              |
| 4.0                | 40                     | 75                   | 2 608 597 656 | PC1d           | 1             | 5                      | 186681             | GAU            | 1.84              |
| 4.5                | 40                     | 75                   | 2 608 597 657 | PC1d           | 1             | 5                      | 186698             | GAU            | 1.95              |
| 4.5                | 90                     | 150                  | 2 608 597 676 | PC1d           | 1             | 5                      | 186889             | GAU            | 3.39              |
| 5.0                | 50                     | 85                   | 2 608 597 658 | PC1d           | 1             | 5                      | 186704             | GAU            | 1.95              |
| 5.0                | 90                     | 150                  | 2 608 597 677 | PC1d           | 1             | 5                      | 186896             | GAU            | 2.52              |
| 5.5                | 50                     | 85                   | 2 608 597 659 | PC1d           | 1             | 5                      | 186711             | GAU            | 2.04              |
| 5.5                | 90                     | 150                  | 2 608 597 678 | PC1d           | 1             | 5                      | 186902             | GAU            | 2.79              |
| 6.0                | 60                     | 100                  | 2 608 597 660 | PC1d           | 1             | 5                      | 186728             | GAU            | 2.26              |
| 6.0                | 90                     | 150                  | 2 608 597 679 | PC1d           | 1             | 5                      | 186919             | GAU            | 3.07              |
| 6.0                | 350                    | 400                  | 2 608 585 634 | P1c            | 1             | 1                      | 484428             | GAU            | 16.83             |

Concrete drill bits Silver Percussion



| Product properties |                                     | Ordering information              |             |                |               |                        |                    |                |                   |
|--------------------|-------------------------------------|-----------------------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L <sub>1</sub> ) mm | Total length (L <sub>2</sub> ) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |



U-shape spiral flute, milled



Pack of 1

|      |     |     |                      |      |   |   |        |     |       |
|------|-----|-----|----------------------|------|---|---|--------|-----|-------|
| 6.5  | 60  | 100 | <b>2 608 597 661</b> | PC1d | 1 | 5 | 186735 | GAU | 2.26  |
| 6.5  | 90  | 150 | <b>2 608 597 680</b> | PC1d | 1 | 5 | 186926 | GAU | 3.17  |
| 6.5  | 350 | 400 | <b>2 608 597 689</b> | P1c  | 1 | 1 | 187015 | GAU | 9.16  |
| 7.0  | 60  | 100 | <b>2 608 597 662</b> | PC1d | 1 | 5 | 186742 | GAU | 2.36  |
| 7.0  | 90  | 150 | <b>2 608 597 681</b> | PC1d | 1 | 5 | 186933 | GAU | 3.43  |
| 8.0  | 80  | 120 | <b>2 608 597 663</b> | PC1d | 1 | 5 | 186759 | GAU | 2.76  |
| 8.0  | 90  | 150 | <b>2 608 597 898</b> | PC1d | 1 | 5 | 212878 | GAU | 4.03  |
| 8.0  | 150 | 200 | <b>2 608 597 682</b> | PC1d | 1 | 5 | 186940 | GAU | 4.56  |
| 8.0  | 350 | 400 | <b>2 608 597 690</b> | P1c  | 1 | 1 | 187022 | GAU | 9.93  |
| 9.0  | 80  | 120 | <b>2 608 597 664</b> | PC1d | 1 | 5 | 186766 | GAU | 3.39  |
| 10.0 | 80  | 120 | <b>2 608 597 665</b> | PC1d | 1 | 5 | 186773 | GAU | 4.07  |
| 10.0 | 90  | 150 | <b>2 608 597 899</b> | PC1d | 1 | 5 | 212885 | GAU | 4.89  |
| 10.0 | 150 | 200 | <b>2 608 597 683</b> | PC1d | 1 | 5 | 186957 | GAU | 6.19  |
| 10.0 | 250 | 300 | <b>2 608 597 685</b> | P1c  | 1 | 1 | 186971 | GAU | 8.36  |
| 10.0 | 350 | 400 | <b>2 608 597 691</b> | P1c  | 1 | 1 | 187039 | GAU | 11.86 |
| 10.0 | 550 | 600 | <b>2 608 597 698</b> | P1c  | 1 | 1 | 187107 | GAU | 15.86 |
| 11.0 | 90  | 150 | <b>2 608 597 666</b> | PC1d | 1 | 5 | 186780 | GAU | 4.79  |
| 12.0 | 90  | 150 | <b>2 608 597 667</b> | PC1d | 1 | 5 | 186797 | GAU | 5.43  |
| 12.0 | 150 | 200 | <b>2 608 597 684</b> | PC1d | 1 | 5 | 186964 | GAU | 6.59  |
| 12.0 | 250 | 300 | <b>2 608 597 686</b> | P1c  | 1 | 1 | 186988 | GAU | 11.06 |
| 12.0 | 350 | 400 | <b>2 608 597 692</b> | P1c  | 1 | 1 | 187046 | GAU | 13.86 |
| 12.0 | 550 | 600 | <b>2 608 597 699</b> | P1c  | 1 | 1 | 187114 | GAU | 16.66 |
| 13.0 | 90  | 150 | <b>2 608 597 668</b> | PC1d | 1 | 1 | 186803 | GAU | 6.14  |
| 13.0 | 250 | 300 | <b>2 608 597 687</b> | P1c  | 1 | 1 | 186995 | GAU | 12.56 |
| 14.0 | 90  | 150 | <b>2 608 597 669</b> | PC1d | 1 | 1 | 186810 | GAU | 7.82  |
| 14.0 | 250 | 300 | <b>2 608 597 688</b> | P1c  | 1 | 1 | 187008 | GAU | 13.50 |
| 14.0 | 350 | 400 | <b>2 608 597 693</b> | P1c  | 1 | 1 | 187053 | GAU | 16.05 |
| 14.0 | 550 | 600 | <b>2 608 597 700</b> | P1c  | 1 | 1 | 187121 | GAU | 20.95 |
| 15.0 | 100 | 160 | <b>2 608 597 670</b> | P1c  | 1 | 1 | 186827 | GAU | 9.22  |
| 16.0 | 100 | 160 | <b>2 608 597 671</b> | P1c  | 1 | 1 | 186834 | GAU | 10.06 |
| 16.0 | 350 | 400 | <b>2 608 597 694</b> | P1c  | 1 | 1 | 187060 | GAU | 17.21 |
| 16.0 | 550 | 600 | <b>2 608 597 701</b> | P1c  | 1 | 1 | 187138 | GAU | 23.88 |
| 18.0 | 100 | 160 | <b>2 608 597 672</b> | P1c  | 1 | 1 | 186841 | GAU | 14.76 |
| 18.0 | 350 | 400 | <b>2 608 597 695</b> | P1c  | 1 | 1 | 187077 | GAU | 18.34 |
| 18.0 | 550 | 600 | <b>2 608 597 702</b> | P1c  | 1 | 1 | 187145 | GAU | 25.10 |
| 20.0 | 100 | 160 | <b>2 608 597 673</b> | P1c  | 1 | 1 | 186858 | GAU | 20.09 |
| 20.0 | 350 | 400 | <b>2 608 597 696</b> | P1c  | 1 | 1 | 187084 | GAU | 22.06 |
| 20.0 | 550 | 600 | <b>2 608 597 703</b> | P1c  | 1 | 1 | 187152 | GAU | 27.04 |
| 22.0 | 100 | 160 | <b>2 608 597 674</b> | P1c  | 1 | 1 | 186865 | GAU | 19.28 |
| 22.0 | 350 | 400 | <b>2 608 597 697</b> | P1c  | 1 | 1 | 187091 | GAU | 24.47 |
| 25.0 | 100 | 160 | <b>2 608 597 675</b> | P1c  | 1 | 1 | 186872 | GAU | 34.30 |

Pack of 3

|     |    |     |                      |     |   |   |        |     |      |
|-----|----|-----|----------------------|-----|---|---|--------|-----|------|
| 4.0 | 40 | 75  | <b>2 608 597 704</b> | P1c | 3 | 1 | 187169 | GAU | 5.29 |
| 5.0 | 50 | 85  | <b>2 608 597 705</b> | P1c | 3 | 1 | 187176 | GAU | 5.54 |
| 6.0 | 60 | 100 | <b>2 608 597 706</b> | P1c | 3 | 1 | 187183 | GAU | 6.46 |
| 6.5 | 60 | 100 | <b>2 608 597 707</b> | P1c | 3 | 1 | 187190 | GAU | 6.46 |
| 7.0 | 60 | 100 | <b>2 608 597 708</b> | P1c | 3 | 1 | 187206 | GAU | 6.69 |

### Concrete drill bits Silver Percussion

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| Pack of 10         |                        |                      |                      |                |               |                        |                    |                |                   |  |
| 4.0                | 40                     | 75                   | 2 608 597 713        | Cof            | 10            | 1                      | 187251             | GAU            | 17.44             |  |
| 4.5                | 40                     | 75                   | 2 608 597 714        | Cof            | 10            | 1                      | 187268             | GAU            | 18.51             |  |
| 5.0                | 50                     | 85                   | 2 608 597 715        | Cof            | 10            | 1                      | 187275             | GAU            | 18.51             |  |
| 6.0                | 60                     | 100                  | 2 608 597 716        | Cof            | 10            | 1                      | 187282             | GAU            | 21.51             |  |
| 6.5                | 60                     | 100                  | 2 608 597 717        | Cof            | 10            | 1                      | 187299             | GAU            | 21.51             |  |
| 7.0                | 60                     | 100                  | 2 608 597 718        | Cof            | 10            | 1                      | 187305             | GAU            | 22.38             |  |
| 8.0                | 80                     | 120                  | 2 608 597 719        | Cof            | 10            | 1                      | 187312             | GAU            | 26.26             |  |
| 10.0               | 80                     | 120                  | 2 608 597 720        | Cof            | 10            | 1                      | 187329             | GAU            | 38.66             |  |
| 12.0               | 90                     | 150                  | 2 608 597 721        | Cof            | 10            | 1                      | 187336             | GAU            | 51.55             |  |



### Concrete drill bit sets Silver Percussion

| Product properties                               |                   |                 | Ordering information |                |               |                        |                    |                |                   |  |
|--|-------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm                                      | Working length mm | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 3-piece concrete drill bit set Silver Percussion |                   |                 |                      |                |               |                        |                    |                |                   |  |
| 5.0  | 50                | 85              | 2 608 597 709        | Cof            | 3             | 5                      | 187213             | GAU            | 5.53              |  |
| 6.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 8.0  | 80                | 120             |                      |                |               |                        |                    |                |                   |  |
| 5-piece concrete drill bit set Silver Percussion |                   |                 |                      |                |               |                        |                    |                |                   |  |
| 4.0  | 40                | 75              | 2 607 017 080        | P1k            | 5             | 4                      | 601344             | GAZ            | 11.47             |  |
| 5.0  | 50                | 85              |                      |                |               |                        |                    |                |                   |  |
| 6.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 6.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 8.0  | 80                | 120             |                      |                |               |                        |                    |                |                   |  |
| 5.0  | 50                | 85              | 2 607 017 081        | P1k            | 5             | 4                      | 601351             | GAZ            | 11.47             |  |
| 5.5  | 50                | 85              |                      |                |               |                        |                    |                |                   |  |
| 6.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 7.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 8.0  | 80                | 120             |                      |                |               |                        |                    |                |                   |  |

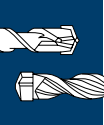




### Concrete drill bit sets Silver Percussion



| Product properties                               |                   |                 | Ordering information |                |               |                        |                    |                |                   |  |
|--|-------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm                                      | Working length mm | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 7-piece concrete drill bit set Silver Percussion |                   |                 |                      |                |               |                        |                    |                |                   |  |
| 4.0  | 40                | 75              | 2 607 017 083        | P1k            | 7             | 4                      | 601375             | GAZ            | 17.23             |  |
| 5.0  | 50                | 85              |                      |                |               |                        |                    |                |                   |  |
| 5.5  | 50                | 85              |                      |                |               |                        |                    |                |                   |  |
| 6.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 7.0  | 60                | 100             |                      |                |               |                        |                    |                |                   |  |
| 8.0  | 80                | 120             |                      |                |               |                        |                    |                |                   |  |
| 10.0   | 80                | 120             |                      |                |               |                        |                    |                |                   |  |



# Masonry drill bits Impact



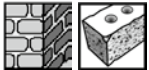
- ▶ Hammer drill bit for all work in stone at the optimum price/performance ratio
- ▶ Spiral shape with semi-round profile for high stability

Ideal masonry drill bit for drilling holes in stone or masonry

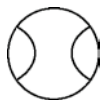
## Masonry drill bits Impact

# IMPACT

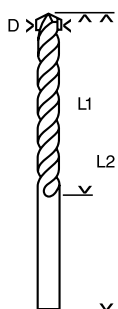
- ▶ Suitable for drilling holes in masonry, limestone, natural and artificial stone
- ▶ Can be used with all impact drills
- ▶ Tungsten carbide tipped hammer drill bit, manufactured to ISO 5468
- ▶ Drill bit colour: silver-grey



| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| 3.0                | 30                     | 60                   | 2 608 596 125        | PC1d           | 1             | 5                      | 045599             | GAU            | 1.11              |
| 3.5                | 40                     | 75                   | 2 608 596 126        | PC1d           | 1             | 5                      | 045605             | GAU            | 1.13              |
| 4.0                | 40                     | 75                   | 1 609 200 205        | PC1d           | 1             | 5                      | 004268             | GAU            | 1.13              |
| 4.5                | 50                     | 85                   | 2 608 596 127        | PC1d           | 1             | 5                      | 045612             | GAU            | 1.15              |
| 5.0                | 50                     | 85                   | 1 609 200 206        | PC1d           | 1             | 5                      | 004275             | GAU            | 1.22              |
| 5.0                | 90                     | 150                  | 2 608 596 128        | PC1d           | 1             | 5                      | 045629             | GAU            | 1.62              |
| 5.5                | 50                     | 85                   | 2 608 596 129        | PC1d           | 1             | 5                      | 045636             | GAU            | 1.26              |
| 5.5                | 90                     | 150                  | 2 608 596 130        | PC1d           | 1             | 5                      | 045643             | GAU            | 1.70              |
| 6.0                | 60                     | 100                  | 1 609 200 207        | PC1d           | 1             | 5                      | 004282             | GAU            | 1.41              |
| 6.0                | 90                     | 150                  | 2 608 596 357        | PC1d           | 1             | 5                      | 059633             | GAU            | 2.09              |
| 6.0                | 150                    | 200                  | 2 608 596 143        | PC1d           | 1             | 5                      | 045773             | GAU            | 2.23              |
| 6.0                | 250                    | 300                  | 2 608 596 358        | P1c            | 1             | 1                      | 059640             | GAU            | 5.49              |
| 6.0                | 350                    | 400                  | 2 608 586 276        | P1c            | 1             | 1                      | 529112             | GAU            | 6.27              |
| 6.5                | 60                     | 100                  | 2 608 596 131        | PC1d           | 1             | 5                      | 045650             | GAU            | 1.44              |
| 6.5                | 90                     | 150                  | 2 608 596 359        | PC1d           | 1             | 5                      | 059657             | GAU            | 2.26              |
| 6.5                | 350                    | 400                  | 2 608 596 361        | P1c            | 1             | 1                      | 059671             | GAU            | 5.92              |
| 7.0                | 60                     | 100                  | 2 608 596 132        | PC1d           | 1             | 5                      | 045667             | GAU            | 1.50              |
| 7.0                | 90                     | 150                  | 2 608 596 362        | PC1d           | 1             | 5                      | 059688             | GAU            | 2.26              |
| 7.0                | 350                    | 400                  | 2 608 596 364        | P1c            | 1             | 1                      | 059701             | GAU            | 5.94              |
| 8.0                | 80                     | 120                  | 1 609 200 209        | PC1d           | 1             | 5                      | 004299             | GAU            | 1.62              |
| 8.0                | 90                     | 150                  | 2 608 596 365        | PC1d           | 1             | 5                      | 059718             | GAU            | 2.26              |
| 8.0                | 150                    | 200                  | 2 608 596 145        | PC1d           | 1             | 5                      | 045797             | GAU            | 2.68              |
| 8.0                | 250                    | 300                  | 2 608 596 366        | P1c            | 1             | 1                      | 059725             | GAU            | 5.51              |
| 8.0                | 350                    | 400                  | 2 608 596 151        | P1c            | 1             | 1                      | 046053             | GAU            | 5.38              |
| 9.0                | 80                     | 120                  | 2 608 596 134        | PC1d           | 1             | 5                      | 045681             | GAU            | 2.34              |

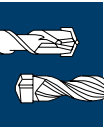


Semi-round shape spiral flute, rolled



### Masonry drill bits Impact

| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
| 10.0               | 80                     | 120                  | 1 609 200 210        | PC1d           | 1             | 5                      | 004305             | GAU            | 2.02              |
| 10.0               | 90                     | 150                  | 2 608 596 368        | PC1d           | 1             | 5                      | 059749             | GAU            | 2.26              |
| 10.0               | 150                    | 200                  | 2 608 596 148        | PC1d           | 1             | 5                      | 046022             | GAU            | 2.88              |
| 10.0               | 250                    | 300                  | 2 608 596 369        | P1c            | 1             | 1                      | 059756             | GAU            | 6.19              |
| 10.0               | 350                    | 400                  | 1 609 200 212        | P1c            | 1             | 1                      | 004312             | GAU            | 6.01              |
| 11.0               | 90                     | 150                  | 2 608 596 135        | PC1d           | 1             | 5                      | 045698             | GAU            | 2.68              |
| 12.0               | 90                     | 150                  | 2 608 596 136        | PC1d           | 1             | 5                      | 045704             | GAU            | 3.09              |
| 12.0               | 150                    | 200                  | 2 608 596 149        | PC1d           | 1             | 5                      | 046039             | GAU            | 3.96              |
| 12.0               | 250                    | 300                  | 2 608 597 041        | P1c            | 1             | 1                      | 078825             | GAU            | 6.29              |
| 12.0               | 350                    | 400                  | 1 609 200 213        | P1c            | 1             | 1                      | 004329             | GAU            | 7.13              |
| 13.0               | 90                     | 150                  | 2 608 596 137        | PC1d           | 1             | 1                      | 045711             | GAU            | 3.25              |
| 13.0               | 350                    | 400                  | 2 608 597 043        | P1c            | 1             | 1                      | 078849             | GAU            | 8.04              |
| 14.0               | 90                     | 150                  | 2 608 596 138        | PC1d           | 1             | 1                      | 045728             | GAU            | 5.06              |
| 14.0               | 150                    | 200                  | 2 608 596 150        | PC1d           | 1             | 1                      | 046046             | GAU            | 5.53              |
| 14.0               | 250                    | 300                  | 2 608 597 044        | P1c            | 1             | 1                      | 078856             | GAU            | 6.53              |
| 14.0               | 350                    | 400                  | 2 608 596 152        | P1c            | 1             | 1                      | 046060             | GAU            | 8.71              |
| 15.0               | 90                     | 150                  | 2 608 596 139        | P1c            | 1             | 1                      | 045735             | GAU            | 5.58              |
| 15.0               | 350                    | 400                  | 2 608 597 047        | P1c            | 1             | 1                      | 078887             | GAU            | 9.15              |
| 16.0               | 90                     | 150                  | 2 608 596 140        | P1c            | 1             | 1                      | 045742             | GAU            | 6.13              |
| 16.0               | 250                    | 300                  | 2 608 597 048        | P1c            | 1             | 1                      | 078894             | GAU            | 8.18              |
| 16.0               | 350                    | 400                  | 2 608 597 049        | P1c            | 1             | 1                      | 078900             | GAU            | 9.15              |
| 18.0               | 100                    | 160                  | 2 608 596 141        | P1c            | 1             | 1                      | 045759             | GAU            | 7.54              |
| 18.0               | 250                    | 300                  | 2 608 597 051        | P1c            | 1             | 1                      | 078924             | GAU            | 11.13             |
| 18.0               | 350                    | 400                  | 2 608 597 052        | P1c            | 1             | 1                      | 078931             | GAU            | 11.80             |
| 20.0               | 100                    | 160                  | 2 608 596 142        | P1c            | 1             | 1                      | 045766             | GAU            | 8.71              |
| 20.0               | 250                    | 300                  | 2 608 597 054        | P1c            | 1             | 1                      | 078955             | GAU            | 11.89             |
| 20.0               | 350                    | 400                  | 2 608 597 055        | P1c            | 1             | 1                      | 078962             | GAU            | 12.52             |



### Masonry drill bit sets Impact

# IMPACT



| Product properties |                   |                 | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|-------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Working length mm | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

#### 3-piece masonry bit set Impact

|     |    |     |               |     |   |   |        |     |      |
|-----|----|-----|---------------|-----|---|---|--------|-----|------|
| 5.0 | 50 | 85  | 1 609 200 204 | P1h | 3 | 5 | 004251 | GAZ | 4.20 |
| 6.0 | 60 | 100 |               |     |   |   |        |     |      |
| 8.0 | 80 | 120 |               |     |   |   |        |     |      |

#### 7-piece masonry bit set Impact

|     |    |     |               |     |   |   |        |     |       |
|-----|----|-----|---------------|-----|---|---|--------|-----|-------|
| 3.0 | 30 | 60  | 2 607 017 035 | P1k | 7 | 4 | 557368 | GAZ | 12.20 |
| 4.0 | 40 | 75  |               |     |   |   |        |     |       |
| 5.0 | 50 | 85  |               |     |   |   |        |     |       |
| 5.5 | 50 | 85  |               |     |   |   |        |     |       |
| 6.0 | 60 | 100 |               |     |   |   |        |     |       |
| 7.0 | 60 | 100 |               |     |   |   |        |     |       |
| 8.0 | 80 | 120 |               |     |   |   |        |     |       |

### Sets for working in metal, wood, stone

| Product properties |                    |                   | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|--------------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter, metal mm | Diameter, stone mm | Diameter, wood mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



#### 13-piece metal, wood, masonry bit set

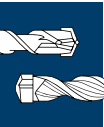
|     |   |   |               |     |    |   |        |     |       |
|-----|---|---|---------------|-----|----|---|--------|-----|-------|
| 2.0 | 4 | 4 | 2 607 018 367 | P1k | 13 | 1 | 061230 | GAZ | 14.15 |
| 2.5 | 5 | 5 |               |     |    |   |        |     |       |
| 3.0 | 6 | 6 |               |     |    |   |        |     |       |
| 4.0 | 8 |   |               |     |    |   |        |     |       |
| 5.0 |   |   |               |     |    |   |        |     |       |
| 6.0 |   |   |               |     |    |   |        |     |       |



#### 15-piece mixed drill bit set

|     |   |   |               |     |    |   |        |     |       |
|-----|---|---|---------------|-----|----|---|--------|-----|-------|
| 3.0 | 3 | 3 | 2 607 017 038 | P1k | 15 | 1 | 557399 | GAZ | 23.77 |
| 4.0 | 4 | 4 |               |     |    |   |        |     |       |
| 5.0 | 5 | 5 |               |     |    |   |        |     |       |
| 6.0 | 6 | 6 |               |     |    |   |        |     |       |
| 8.0 | 8 | 8 |               |     |    |   |        |     |       |

# Multi-purpose drill bits Multi Construction



- ▶ The high-performance multi-purpose drill bit for virtually all materials – no need for constant drill bit changes
- ▶ Innovative steep spiral for fast drilling dust and chip removal
- ▶ Special multi-purpose ground tip guarantees fast work progress
- ▶ Reduction of main cutting edge for accurate centring
- ▶ Bit body made of alloyed tool steel for long life

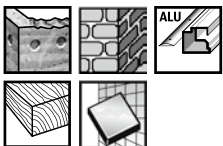
The problem solver for virtually all materials



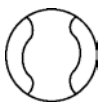
Bosch drill bits bear the test mark from Prüfgemeinschaft Mauerbohrer e.V. (masonry drill bit testing association) (PGM).  
**The PGM seal is the guarantor for:** compliance with tight tolerances, exact drilled holes and firm hold of fixings

## Multi-purpose drill bits Multi Construction

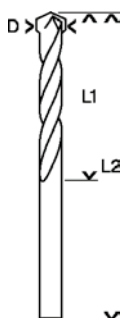
### MULTICONSTRUCTION



- ▶ **Suitable for** practically all materials in interior fitting work, e.g. concrete, masonry, brick, eternit, light building materials, multi-layer materials, ceramics and tiles, wood, plastic, metal plates, aluminium
- ▶ Perfect results when drilling with or without impact
- ▶ Drill bit colour: blue, polished

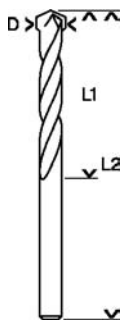


Spiral flute, milled



| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Pack of 1          |                        |                      |                      |                |               |                        |                    |                |                   |
| 3.0                | 40                     | 70                   | 2 608 595 359        | PC1d           | 1             | 5                      | 328753             | GAU            | 3.07              |
| 4.0                | 40                     | 75                   | 2 608 596 050        | PC1d           | 1             | 5                      | 044790             | GAU            | 3.21              |
| 5.0                | 50                     | 85                   | 2 608 596 051        | PC1d           | 1             | 5                      | 044806             | GAU            | 3.40              |
| 5.5                | 50                     | 85                   | 2 608 596 052        | PC1d           | 1             | 5                      | 044813             | GAU            | 3.74              |
| 6.0                | 60                     | 100                  | 2 608 596 053        | PC1d           | 1             | 5                      | 044820             | GAU            | 3.87              |
| 6.0                | 90                     | 150                  | 2 608 596 060        | PC1d           | 1             | 5                      | 044899             | GAU            | 5.45              |
| 6.0                | 200                    | 250                  | 2 608 595 506        | PC1d           | 1             | 1                      | 366465             | GAU            | 8.74              |
| 6.5                | 60                     | 100                  | 2 608 596 059        | PC1d           | 1             | 5                      | 044837             | GAU            | 4.19              |
| 6.5                | 90                     | 150                  | 2 608 596 061        | PC1d           | 1             | 5                      | 044905             | GAU            | 5.45              |
| 6.5                | 200                    | 250                  | 2 608 595 507        | PC1d           | 1             | 1                      | 366472             | GAU            | 8.74              |

### Multi-purpose drill bits Multi Construction



| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pack of 1

|      |     |     |               |      |   |   |        |     |       |
|------|-----|-----|---------------|------|---|---|--------|-----|-------|
| 7.0  | 60  | 100 | 2 608 596 054 | PC1d | 1 | 5 | 044844 | GAU | 4.90  |
| 7.0  | 90  | 150 | 2 608 596 076 | PC1d | 1 | 5 | 046978 | GAU | 6.00  |
| 7.0  | 200 | 250 | 2 608 595 508 | PC1d | 1 | 1 | 366489 | GAU | 8.74  |
| 8.0  | 80  | 120 | 2 608 596 055 | PC1d | 1 | 5 | 044851 | GAU | 4.90  |
| 8.0  | 90  | 150 | 2 608 585 223 | PC1d | 1 | 5 | 462242 | GAU | 6.11  |
| 8.0  | 200 | 250 | 2 608 596 062 | PC1d | 1 | 1 | 044912 | GAU | 6.50  |
| 8.0  | 350 | 400 | 2 608 595 361 | P1c  | 1 | 1 | 328777 | GAU | 25.30 |
| 9.0  | 80  | 120 | 2 608 596 056 | PC1d | 1 | 5 | 044868 | GAU | 5.40  |
| 10.0 | 80  | 120 | 2 608 596 057 | PC1d | 1 | 5 | 044875 | GAU | 5.43  |
| 10.0 | 90  | 150 | 2 608 585 224 | PC1d | 1 | 5 | 462259 | GAU | 6.90  |
| 10.0 | 200 | 250 | 2 608 596 063 | PC1d | 1 | 1 | 044929 | GAU | 8.12  |
| 11.0 | 90  | 150 | 2 608 595 360 | PC1d | 1 | 5 | 328760 | GAU | 9.60  |
| 12.0 | 90  | 150 | 2 608 596 058 | PC1d | 1 | 5 | 044882 | GAU | 7.35  |
| 12.0 | 200 | 250 | 2 608 596 064 | PC1d | 1 | 1 | 044936 | GAU | 9.39  |
| 14.0 | 200 | 250 | 2 608 596 065 | PC1d | 1 | 1 | 044943 | GAU | 10.93 |

Pack of 10

|     |    |     |               |     |    |   |        |     |       |
|-----|----|-----|---------------|-----|----|---|--------|-----|-------|
| 4.0 | 40 | 75  | 2 608 587 146 | P1a | 10 | 1 | 587594 | GAU | 30.55 |
| 5.0 | 50 | 85  | 2 608 587 147 | P1a | 10 | 1 | 587600 | GAU | 32.31 |
| 5.5 | 50 | 85  | 2 608 587 148 | P1a | 10 | 1 | 587617 | GAU | 35.61 |
| 6.0 | 60 | 100 | 2 608 587 149 | P1a | 10 | 1 | 587624 | GAU | 36.71 |
| 6.5 | 60 | 100 | 2 608 587 150 | P1a | 10 | 1 | 587631 | GAU | 39.79 |
| 7.0 | 60 | 100 | 2 608 587 151 | P1a | 10 | 1 | 587648 | GAU | 46.49 |
| 8.0 | 80 | 120 | 2 608 587 152 | P1a | 10 | 1 | 587655 | GAU | 46.49 |

Pack of 8

|      |    |     |               |     |   |   |        |     |       |
|------|----|-----|---------------|-----|---|---|--------|-----|-------|
| 10.0 | 80 | 120 | 2 608 587 153 | P1a | 8 | 1 | 587662 | GAU | 51.54 |
|------|----|-----|---------------|-----|---|---|--------|-----|-------|





# Tile drill bits Expert for Ceramic



- ▶ Ideal tile drill bit for all soft to medium density tiles
- ▶ Diamond-ground tungsten carbide cutter for a precise drilling start prevents the drill bit from “wandering”
- ▶ **New:** Cooling no longer required – enables clean working

## Tile drill bits Expert for Ceramic

- expert **Ceramic**
- ▶ **Suitable for** all soft to medium density tiles, porcelain, ceramics and non-toughened glass
  - ▶ Drill bit colour: white
  - ▶ **Note:** Use with low speeds and without impact. No cooling required



| Product properties | Diameter (D) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|-----------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|                    | 3.0             | 70                   | <b>2 608 587 157</b> | PC1a           | 1             | 5                      | 599184             | GAU            | 6.23              |
|                    | 4.0             | 70                   | <b>2 608 587 158</b> | PC1a           | 1             | 5                      | 599191             | GAU            | 6.23              |
|                    | 5.0             | 70                   | <b>2 608 587 159</b> | PC1a           | 1             | 5                      | 599207             | GAU            | 6.93              |
|                    | 5.5             | 70                   | <b>2 608 587 160</b> | PC1a           | 1             | 5                      | 599214             | GAU            | 6.93              |
|                    | 6.0             | 80                   | <b>2 608 587 161</b> | PC1a           | 1             | 5                      | 599221             | GAU            | 6.93              |
|                    | 6.5             | 80                   | <b>2 608 587 162</b> | PC1a           | 1             | 5                      | 599238             | GAU            | 6.93              |
|                    | 7.0             | 80                   | <b>2 608 587 163</b> | PC1a           | 1             | 5                      | 599245             | GAU            | 9.03              |
|                    | 8.0             | 80                   | <b>2 608 587 164</b> | PC1a           | 1             | 5                      | 599252             | GAU            | 9.03              |
|                    | 10.0            | 90                   | <b>2 608 587 165</b> | PC1a           | 1             | 5                      | 599269             | GAU            | 10.43             |
|                    | 12.0            | 90                   | <b>2 608 587 166</b> | PC1a           | 1             | 5                      | 599276             | GAU            | 11.83             |
|                    | 14.0            | 90                   | <b>2 608 587 167</b> | PC1a           | 1             | 5                      | 599283             | GAU            | 12.53             |
|                    | 16.0            | 90                   | <b>2 608 587 168</b> | PC1a           | 1             | 5                      | 599290             | GAU            | 13.23             |



### 5-piece tile drill bit sets Expert for Ceramic

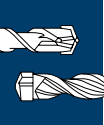
| Product properties |                 | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



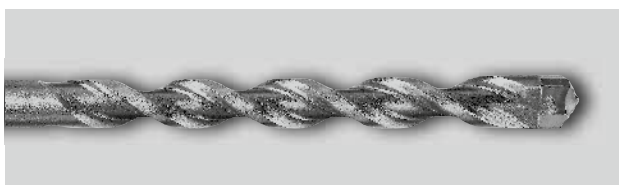
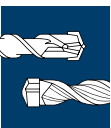
5-piece tile drill bit set Expert for Ceramic

|      |    |                      |     |   |   |        |     |       |
|------|----|----------------------|-----|---|---|--------|-----|-------|
| 4.0  | 70 | <b>2 608 587 169</b> | P1k | 5 | 1 | 599306 | GAZ | 33.07 |
| 5.0  | 70 |                      |     |   |   |        |     |       |
| 6.0  | 80 |                      |     |   |   |        |     |       |
| 8.0  | 80 |                      |     |   |   |        |     |       |
| 10.0 | 90 |                      |     |   |   |        |     |       |
| 5.5  | 70 | <b>2 608 587 170</b> | P1k | 5 | 1 | 599863 | GAZ | 35.37 |
| 6.0  | 80 |                      |     |   |   |        |     |       |
| 7.0  | 80 |                      |     |   |   |        |     |       |
| 8.0  | 80 |                      |     |   |   |        |     |       |
| 10.0 | 90 |                      |     |   |   |        |     |       |

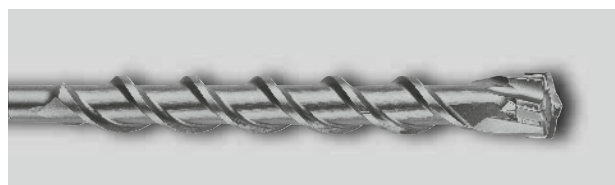
\* Available from March 2011.



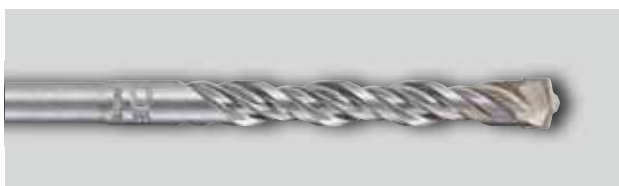
# Concrete and stone drill bits, SDS-plus shank



**Hammer drill bits X5L, SDS-plus**  
Page 137



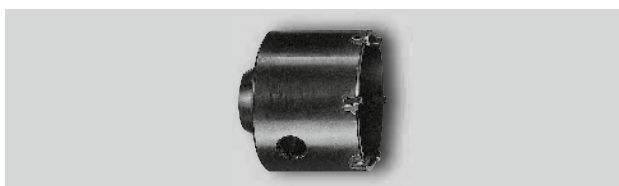
**Hammer drill bits Speed X, SDS-plus**  
Page 140



**Hammer drill bits S4L, SDS-plus**  
Page 141

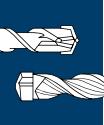


**Rebar Cutter, SDS-plus**  
Page 146



**SDS-plus core cutters, two-piece**  
Page 147

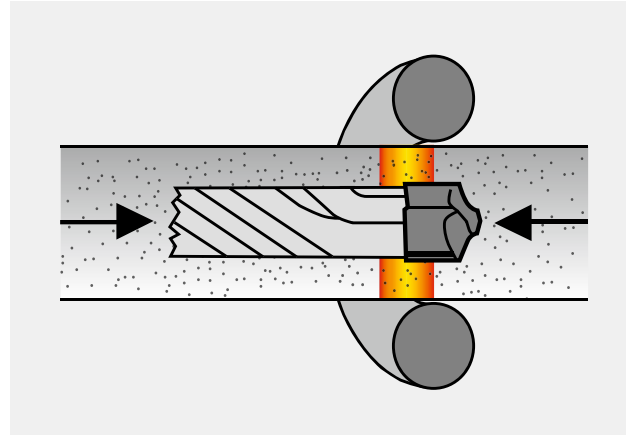
# Innovative manufacturing technology for top-class performance





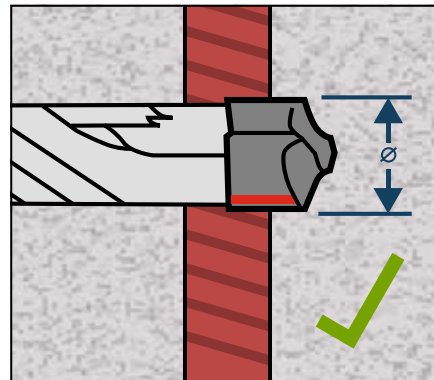
The new diffusion bonding technology ensures an exceptionally strong joint between the solid tungsten carbide head and the drill bit flute. The inert gas used in the process prevents oxidation.

The result is an extremely stable solid tungsten carbide head. This leads to an exceptionally long lifetime of the X5L hammer drill bit, especially when used with the latest generation of high-performance hammers.



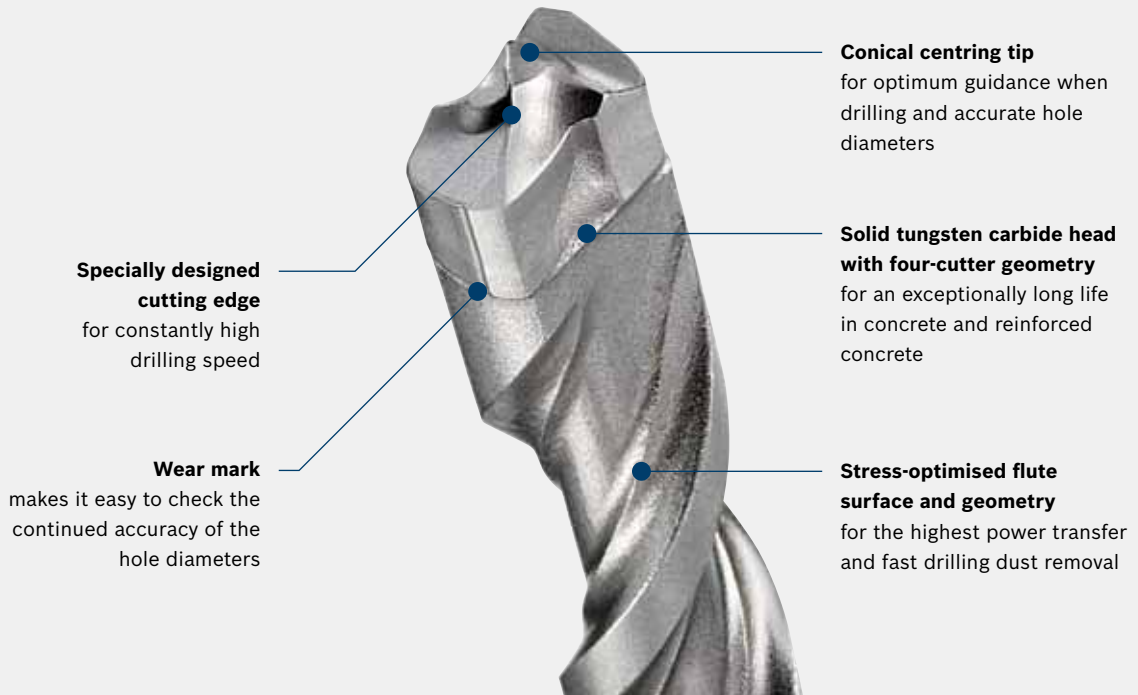
#### The innovative wear mark

- ▶ Makes it easy to check the continued accuracy of the hole diameters.
- ▶ Secure fitting of fixings, even after drilling twice as many holes as with a standard two-cutter
- ▶ Constantly high drilling speed in concrete and reinforced concrete



# The X5L

Extremely robust with exceptionally long life



## Hammer drill bits X5L, SDS-plus

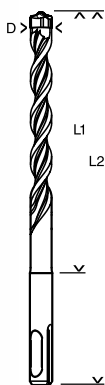
# X5L



| Diameter (D) mm | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|-----------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|-----------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

**Product properties** | **Ordering information**

Pack of 1



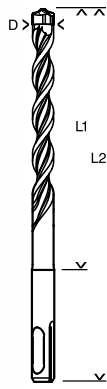
|     |     |     |               |     |   |   |        |     |       |
|-----|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 5.0 | 50  | 110 | 2 608 585 023 | P1e | 1 | 1 | 439909 | GXL | 5.30  |
| 5.0 | 100 | 160 | 2 608 585 024 | P1e | 1 | 1 | 439916 | GXL | 5.39  |
| 5.0 | 150 | 210 | 2 608 585 025 | P1e | 1 | 1 | 439923 | GXL | 5.90  |
| 5.5 | 50  | 110 | 2 608 585 026 | P1e | 1 | 1 | 439930 | GXL | 5.68  |
| 5.5 | 100 | 160 | 2 608 585 027 | P1e | 1 | 1 | 439947 | GXL | 5.83  |
| 6.0 | 50  | 115 | 2 608 585 028 | P1e | 1 | 1 | 439954 | GXL | 5.76  |
| 6.0 | 100 | 165 | 2 608 585 029 | P1e | 1 | 1 | 439961 | GXL | 5.90  |
| 6.0 | 150 | 215 | 2 608 585 030 | P1e | 1 | 1 | 439978 | GXL | 6.80  |
| 6.0 | 200 | 265 | 2 608 585 031 | P1e | 1 | 1 | 439985 | GXL | 8.05  |
| 6.5 | 50  | 115 | 2 608 585 032 | P1e | 1 | 1 | 439992 | GXL | 5.86  |
| 6.5 | 100 | 165 | 2 608 585 033 | P1e | 1 | 1 | 440004 | GXL | 6.05  |
| 6.5 | 200 | 265 | 2 608 585 035 | P1e | 1 | 1 | 440028 | GXL | 10.36 |
| 6.5 | 250 | 315 | 2 608 587 171 | P1e | 1 | 1 | 604895 | GXL | 12.51 |
| 7.0 | 50  | 115 | 2 608 585 036 | P1e | 1 | 1 | 440035 | GXL | 5.97  |
| 7.0 | 100 | 165 | 2 608 585 037 | P1e | 1 | 1 | 440042 | GXL | 6.27  |
| 7.0 | 150 | 215 | 2 608 585 943 | P1e | 1 | 1 | 522175 | GXL | 10.52 |
| 8.0 | 50  | 115 | 2 608 585 038 | P1e | 1 | 1 | 440059 | GXL | 6.20  |
| 8.0 | 100 | 165 | 2 608 585 039 | P1e | 1 | 1 | 440066 | GXL | 6.50  |
| 8.0 | 150 | 215 | 2 608 585 040 | P1e | 1 | 1 | 440073 | GXL | 7.61  |
| 8.0 | 200 | 265 | 2 608 585 041 | P1e | 1 | 1 | 440080 | GXL | 11.85 |
| 8.0 | 250 | 315 | 2 608 587 172 | P1e | 1 | 1 | 604901 | GXL | 21.59 |
| 8.0 | 300 | 365 | 2 608 585 042 | P1e | 1 | 1 | 440097 | GXL | 13.33 |
| 8.0 | 400 | 465 | 2 608 585 043 | P1e | 1 | 1 | 440103 | GXL | 16.29 |



### Hammer drill bits X5L, SDS-plus



| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



Pack of 1

|      |     |     |               |     |   |   |        |     |       |
|------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 10.0 | 50  | 115 | 2 608 585 044 | P1e | 1 | 1 | 440110 | GXL | 6.87  |
| 10.0 | 100 | 165 | 2 608 585 045 | P1e | 1 | 1 | 440127 | GXL | 7.31  |
| 10.0 | 150 | 215 | 2 608 585 046 | P1e | 1 | 1 | 440134 | GXL | 8.72  |
| 10.0 | 200 | 265 | 2 608 585 047 | P1e | 1 | 1 | 440141 | GXL | 11.13 |
| 10.0 | 250 | 315 | 2 608 587 173 | P1e | 1 | 1 | 604918 | GXL | 13.42 |
| 10.0 | 300 | 365 | 2 608 585 048 | P1e | 1 | 1 | 440158 | GXL | 15.70 |
| 10.0 | 400 | 465 | 2 608 585 049 | P1e | 1 | 1 | 440165 | GXL | 18.67 |
| 12.0 | 100 | 165 | 2 608 585 050 | P1e | 1 | 1 | 440172 | GXL | 9.02  |
| 12.0 | 150 | 215 | 2 608 585 051 | P1e | 1 | 1 | 440189 | GXL | 10.80 |
| 12.0 | 200 | 265 | 2 608 585 052 | P1e | 1 | 1 | 440196 | GXL | 14.37 |
| 12.0 | 300 | 365 | 2 608 585 053 | P1e | 1 | 1 | 440202 | GXL | 17.93 |
| 12.0 | 400 | 465 | 2 608 585 054 | P1e | 1 | 1 | 440219 | GXL | 21.04 |
| 14.0 | 100 | 165 | 2 608 585 944 | P1e | 1 | 1 | 522182 | GXL | 17.14 |
| 14.0 | 150 | 215 | 2 608 585 945 | P1e | 1 | 1 | 522199 | GXL | 19.80 |
| 14.0 | 200 | 265 | 2 608 585 946 | P1e | 1 | 1 | 522205 | GXL | 22.42 |
| 14.0 | 300 | 365 | 2 608 585 947 | P1e | 1 | 1 | 522212 | GXL | 30.33 |
| 14.0 | 400 | 465 | 2 608 585 948 | P1e | 1 | 1 | 522229 | GXL | 36.67 |
| 15.0 | 100 | 165 | 2 608 587 178 | P1e | 1 | 1 | 605601 | GXL | 18.28 |
| 15.0 | 200 | 265 | 2 608 587 179 | P1e | 1 | 1 | 605618 | GXL | 24.46 |
| 16.0 | 150 | 215 | 2 608 587 180 | P1e | 1 | 1 | 605625 | GXL | 21.65 |
| 16.0 | 200 | 265 | 2 608 587 181 | P1e | 1 | 1 | 605632 | GXL | 24.18 |
| 16.0 | 400 | 465 | 2 608 587 182 | P1e | 1 | 1 | 605649 | GXL | 43.30 |

Pack of 10

|      |     |     |               |     |    |   |        |     |        |
|------|-----|-----|---------------|-----|----|---|--------|-----|--------|
| 5.0  | 50  | 110 | 2 608 585 055 | P1a | 10 | 1 | 440226 | GXL | 50.43  |
| 5.0  | 100 | 160 | 2 608 585 056 | P1a | 10 | 1 | 440233 | GXL | 51.14  |
| 5.5  | 100 | 160 | 2 608 585 057 | P1a | 10 | 1 | 440240 | GXL | 55.36  |
| 6.0  | 50  | 115 | 2 608 585 058 | P1a | 10 | 1 | 440257 | GXL | 54.66  |
| 6.0  | 100 | 165 | 2 608 585 059 | P1a | 10 | 1 | 440264 | GXL | 56.07  |
| 6.0  | 150 | 215 | 2 608 585 060 | P1a | 10 | 1 | 440271 | GXL | 64.54  |
| 6.5  | 100 | 165 | 2 608 585 061 | P1a | 10 | 1 | 440288 | GXL | 57.48  |
| 6.5  | 200 | 265 | 2 608 585 949 | P1a | 10 | 1 | 522236 | GXL | 99.06  |
| 6.5  | 250 | 315 | 2 608 587 174 | P1a | 10 | 1 | 604925 | GXL | 118.84 |
| 7.0  | 100 | 165 | 2 608 585 950 | P1a | 10 | 1 | 522243 | GXL | 60.16  |
| 7.0  | 150 | 215 | 2 608 585 951 | P1a | 10 | 1 | 522250 | GXL | 89.98  |
| 8.0  | 50  | 115 | 2 608 585 062 | P1a | 10 | 1 | 440295 | GXL | 58.90  |
| 8.0  | 100 | 165 | 2 608 585 063 | P1a | 10 | 1 | 440301 | GXL | 61.72  |
| 8.0  | 150 | 215 | 2 608 585 064 | P1a | 10 | 1 | 440318 | GXL | 72.30  |
| 8.0  | 200 | 265 | 2 608 587 175 | P1a | 10 | 1 | 604932 | GXL | 112.50 |
| 8.0  | 250 | 315 | 2 608 587 176 | P1a | 10 | 1 | 604949 | GXL | 119.55 |
| 10.0 | 100 | 165 | 2 608 585 065 | P1a | 10 | 1 | 440325 | GXL | 69.47  |
| 10.0 | 150 | 215 | 2 608 585 066 | P1a | 10 | 1 | 440332 | GXL | 82.87  |
| 10.0 | 200 | 265 | 2 608 585 067 | P1a | 10 | 1 | 440349 | GXL | 105.79 |
| 10.0 | 250 | 315 | 2 608 587 177 | P1a | 10 | 1 | 604956 | GXL | 127.48 |
| 12.0 | 100 | 165 | 2 608 585 068 | P1a | 10 | 1 | 440356 | GXL | 85.70  |
| 12.0 | 150 | 215 | 2 608 585 069 | P1a | 10 | 1 | 440363 | GXL | 102.62 |



### Hammer drill bits X5L, SDS-plus

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

Pack of 30

|      |     |     |               |     |    |   |        |     |        |
|------|-----|-----|---------------|-----|----|---|--------|-----|--------|
| 5.0  | 50  | 110 | 2 608 586 455 | P0a | 30 | 1 | 553773 | GXL | 131.03 |
| 5.0  | 100 | 160 | 2 608 586 456 | P0a | 30 | 1 | 553780 | GXL | 155.21 |
| 6.0  | 50  | 115 | 2 608 586 457 | P0a | 30 | 1 | 553797 | GXL | 131.03 |
| 6.0  | 100 | 165 | 2 608 586 458 | P0a | 30 | 1 | 553803 | GXL | 141.65 |
| 8.0  | 100 | 165 | 2 608 586 459 | P0a | 30 | 1 | 553810 | GXL | 155.98 |
| 8.0  | 150 | 215 | 2 608 586 460 | P0a | 30 | 1 | 553827 | GXL | 182.68 |
| 10.0 | 100 | 165 | 2 608 586 461 | P0a | 30 | 1 | 553834 | GXL | 175.51 |
| 10.0 | 150 | 215 | 2 608 586 462 | P0a | 30 | 1 | 553841 | GXL | 209.38 |
| 10.0 | 200 | 265 | 2 608 586 463 | P0a | 30 | 1 | 553858 | GXL | 304.23 |

Pack of 25

|      |     |     |               |     |    |   |        |     |        |
|------|-----|-----|---------------|-----|----|---|--------|-----|--------|
| 12.0 | 100 | 165 | 2 608 586 464 | P0a | 25 | 1 | 553865 | GXL | 180.46 |
| 12.0 | 150 | 215 | 2 608 586 465 | P0a | 25 | 1 | 553872 | GXL | 236.75 |



### Robust Line hammer drill bit sets X5L

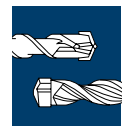
| Product properties |                   |                 | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|-------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Working length mm | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

5-piece Robust Line hammer drill bit set X5L

|      |     |     |               |     |   |   |        |     |       |
|------|-----|-----|---------------|-----|---|---|--------|-----|-------|
| 5.5  | 100 | 165 | 2 607 019 930 | P1k | 5 | 1 | 517096 | GRL | 32.29 |
| 6.0  | 100 | 165 | 2 608 585 070 | P1k | 5 | 1 | 440370 | GRL | 29.45 |
| 7.0  | 100 | 165 | 2 607 019 931 | P1k | 5 | 1 | 517119 | GRL | 34.82 |
| 8.0  | 100 | 165 | 2 608 585 071 | P1k | 5 | 1 | 440387 | GRL | 32.41 |
| 10.0 | 100 | 165 | 2 608 585 072 | P1k | 5 | 1 | 440394 | GRL | 36.48 |
| 5.0  | 50  | 110 | 2 608 585 073 | P1k | 5 | 1 | 440400 | GRL | 30.70 |
| 6.0  | 50  | 115 |               |     |   |   |        |     |       |
| 6.0  | 100 | 165 |               |     |   |   |        |     |       |
| 8.0  | 100 | 165 |               |     |   |   |        |     |       |
| 10.0 | 100 | 165 |               |     |   |   |        |     |       |
| 5.5  | 100 | 165 | 2 607 019 933 | P1k | 5 | 1 | 517133 | GRL | 35.25 |
| 6.0  | 100 | 165 | 2 607 019 932 | P1k | 5 | 1 | 517126 | GRL | 35.60 |
| 7.0  | 100 | 165 |               |     |   |   |        |     |       |
| 8.0  | 100 | 165 |               |     |   |   |        |     |       |
| 8.0  | 100 | 165 |               |     |   |   |        |     |       |
| 10.0 | 100 | 165 |               |     |   |   |        |     |       |



Set size D:  
197.0 x 87.5 x 23 mm



# Hammer drill bits Speed X, SDS-plus

## Speed X

Faster than any other

Unrivalled destructive power, consistent long lifetime, optimum centring, highest drilling speed



**Short head with large-volume dust channels** for frictionless drilling, dust removal, minimal heat development

**Active centring tip** for optimum guidance when drilling in concrete and reinforced concrete

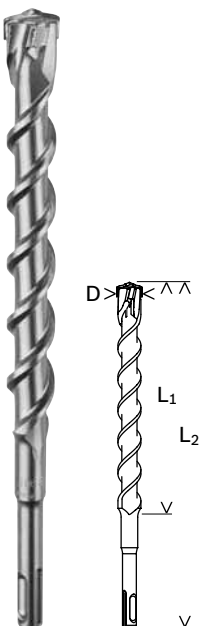
**Extremely robust and aggressive solid tungsten carbide S-cutter**

**Inclined side cutters** for an aggressive drilling rate

### Hammer drill bits Speed X, SDS-plus

## Speed X

- ▶ Suitable for concrete and reinforced concrete, masonry
- ▶ Can be used in all rotary hammers with SDS-plus holder
- ▶ Reclosable packaging for professionals

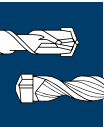


| Diameter (D) mm           | Working length (L1) mm | Total length (L2) mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|------------------------|----------------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b> |                        |                      | <b>Ordering information</b> |                |               |                        |                    |                |                   |
| 16                        | 200                    | 250                  | 2 608 586 717               | P1h            | 1             | 1                      | 564410             | GAB            | 38.04             |
| 16                        | 400                    | 450                  | 2 608 586 718               | P1h            | 1             | 1                      | 564427             | GAB            | 46.48             |
| 18                        | 200                    | 250                  | 2 608 586 719               | P1h            | 1             | 1                      | 564434             | GAB            | 44.79             |
| 18                        | 400                    | 450                  | 2 608 586 720               | P1h            | 1             | 1                      | 564441             | GAB            | 49.02             |
| 20                        | 200                    | 250                  | 2 608 586 721               | P1h            | 1             | 1                      | 564458             | GAB            | 50.71             |
| 20                        | 400                    | 450                  | 2 608 586 722               | P1h            | 1             | 1                      | 564465             | GAB            | 57.46             |
| 22                        | 200                    | 250                  | 2 608 586 723               | P1h            | 1             | 1                      | 564472             | GAB            | 64.23             |
| 22                        | 400                    | 450                  | 2 608 586 724               | P1h            | 1             | 1                      | 564489             | GAB            | 84.50             |
| 24                        | 400                    | 450                  | 2 608 586 725               | P1h            | 1             | 1                      | 564496             | GAB            | 92.11             |
| 25                        | 400                    | 450                  | 2 608 586 726               | P1h            | 1             | 1                      | 564502             | GAB            | 97.18             |
| 28                        | 400                    | 450                  | 2 608 586 727               | P1h            | 1             | 1                      | 564519             | GAB            | 99.44             |
| 30                        | 400                    | 450                  | 2 608 586 728               | P1h            | 1             | 1                      | 564526             | GAB            | 108.39            |



# SDS-plus S4L drill bits

Extremely long lifetime in concrete and reinforced concrete



**Even more accurately drilled holes:**

- ▶ Optimised drill bit flute surface

**Special surface treatment of the flute:**

- ▶ Stronger surface compaction
- ▶ Consistently smooth surface
- ▶ Longer lifetime due to less friction
- ▶ Faster drilling dust removal

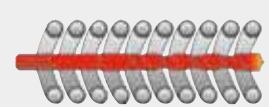
**Inductive brazing and hardening technology:**

- ▶ Hardening in two steps:
  1. High-temperature brazing of the drilling head
  2. Hardening/annealing
- ▶ Different hardness of head and flute optimised for every drilling diameter

1. Hardness 46 – 54 HRC



2. Hardness 46 – 54 HRC



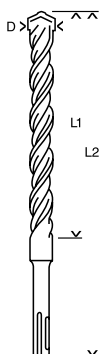
Bosch drill bits bear the test mark from Prüfgemeinschaft Mauerbohrer e.V. (masonry drill bit testing association) (PGM).

The PGM seal is the guarantor for: compliance with tight tolerances, exact drilled holes and firm hold of fixings

## Hammer drill bits S4L, SDS-plus

# S4L

- ▶ Suitable for masonry, concrete and reinforced concrete
- ▶ Appropriate for all rotary hammers with SDS-plus holder



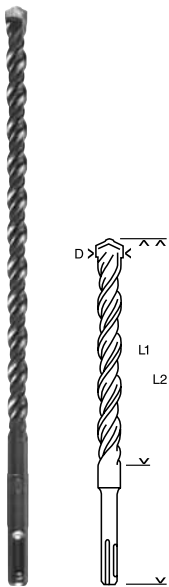
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Pack of 1          |                        |                      |                      |                |               |                        |                    |                |                   |
| 3.5                | 50                     | 110                  | 2 608 597 773        | P2e            | 1             | 5                      | 189057             | GAB            | 3.55              |
| 3.5                | 75                     | 135                  | 2 608 585 596        | P2e            | 1             | 5                      | 483308             | GAB            | 3.55              |
| 4.0                | 50                     | 110                  | 1 618 596 231        | P2e            | 1             | 5                      | 028073             | GAB            | 3.55              |
| 4.0                | 100                    | 160                  | 2 608 597 774        | P2e            | 1             | 5                      | 189064             | GAB            | 6.08              |
| 5.0                | 50                     | 110                  | 1 618 596 164        | P2e            | 1             | 5                      | 027724             | GAB            | 3.55              |
| 5.0                | 100                    | 160                  | 1 618 596 189        | P2e            | 1             | 5                      | 027977             | GAB            | 4.00              |
| 5.0                | 150                    | 210                  | 2 608 596 199        | P2e            | 1             | 5                      | 074391             | GAB            | 4.94              |
| 5.0                | 200                    | 260                  | 2 608 585 597        | P2e            | 1             | 5                      | 483315             | GAB            | 12.94             |
| 5.0                | 250                    | 310                  | 2 608 585 598        | P2e            | 1             | 5                      | 483322             | GAB            | 17.42             |
| 5.0                | 400                    | 460                  | 2 608 585 599        | P2e            | 1             | 1                      | 483339             | GAB            | 29.43             |

### Hammer drill bits S4L, SDS-plus

| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |

Pack of 1

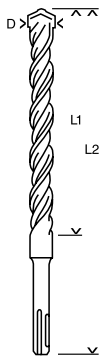
|      |     |      |                      |     |   |   |        |     |       |
|------|-----|------|----------------------|-----|---|---|--------|-----|-------|
| 5.5  | 50  | 110  | <b>1 618 596 165</b> | P2e | 1 | 5 | 027731 | GAB | 3.55  |
| 5.5  | 100 | 160  | <b>2 608 596 146</b> | P2e | 1 | 5 | 045957 | GAB | 3.81  |
| 5.5  | 150 | 210  | <b>2 608 597 775</b> | P2e | 1 | 5 | 189071 | GAB | 8.32  |
| 5.5  | 200 | 260  | <b>2 608 597 776</b> | P2e | 1 | 5 | 189088 | GAB | 12.94 |
| 5.5  | 250 | 310  | <b>2 608 585 600</b> | P2e | 1 | 5 | 483346 | GAB | 17.42 |
| 5.5  | 400 | 460  | <b>2 608 585 601</b> | P2e | 1 | 1 | 483353 | GAB | 29.43 |
| 6.0  | 50  | 110  | <b>1 618 596 166</b> | P2e | 1 | 5 | 027748 | GAB | 3.55  |
| 6.0  | 100 | 160  | <b>1 618 596 167</b> | P2e | 1 | 5 | 027755 | GAB | 4.03  |
| 6.0  | 150 | 210  | <b>2 608 596 115</b> | P2e | 1 | 5 | 045148 | GAB | 4.94  |
| 6.0  | 200 | 260  | <b>2 608 597 777</b> | P2e | 1 | 5 | 189095 | GAB | 10.75 |
| 6.0  | 250 | 310  | <b>2 608 585 602</b> | P2e | 1 | 5 | 483360 | GAB | 17.42 |
| 6.0  | 400 | 460  | <b>2 608 585 603</b> | P2e | 1 | 1 | 483377 | GAB | 29.43 |
| 6.5  | 50  | 110  | <b>1 618 596 168</b> | P2e | 1 | 5 | 027762 | GAB | 3.81  |
| 6.5  | 100 | 160  | <b>1 618 596 169</b> | P2e | 1 | 5 | 027779 | GAB | 4.19  |
| 6.5  | 150 | 210  | <b>2 608 597 778</b> | P2e | 1 | 5 | 189101 | GAB | 7.89  |
| 6.5  | 200 | 260  | <b>2 608 597 779</b> | P2e | 1 | 5 | 189118 | GAB | 9.22  |
| 6.5  | 250 | 310  | <b>2 608 597 780</b> | P2e | 1 | 5 | 189125 | GAB | 17.44 |
| 6.5  | 350 | 410  | <b>2 608 595 503</b> | P2e | 1 | 1 | 353182 | GAB | 25.08 |
| 7.0  | 50  | 110  | <b>1 618 596 170</b> | P2e | 1 | 5 | 027786 | GAB | 4.19  |
| 7.0  | 100 | 160  | <b>1 618 596 171</b> | P2e | 1 | 5 | 027793 | GAB | 4.50  |
| 7.0  | 150 | 210  | <b>2 608 597 130</b> | P2e | 1 | 5 | 098588 | GAB | 6.99  |
| 8.0  | 50  | 110  | <b>1 618 596 172</b> | P2e | 1 | 5 | 027809 | GAB | 4.42  |
| 8.0  | 100 | 160  | <b>1 618 596 173</b> | P2e | 1 | 5 | 027816 | GAB | 4.68  |
| 8.0  | 150 | 210  | <b>1 618 596 174</b> | P2e | 1 | 5 | 027823 | GAB | 5.14  |
| 8.0  | 200 | 260  | <b>1 618 596 264</b> | P2e | 1 | 5 | 028332 | GAB | 6.31  |
| 8.0  | 250 | 310  | <b>2 608 597 944</b> | P2e | 1 | 5 | 260237 | GAB | 11.77 |
| 8.0  | 400 | 460  | <b>2 608 596 116</b> | P2e | 1 | 1 | 045155 | GAB | 12.88 |
| 8.0  | 550 | 610  | <b>2 608 596 183</b> | P2e | 1 | 1 | 047593 | GAB | 29.04 |
| 8.5  | 100 | 160  | <b>2 608 585 604</b> | P2e | 1 | 5 | 483384 | GAB | 7.89  |
| 8.5  | 150 | 210  | <b>2 608 585 605</b> | P2e | 1 | 5 | 483391 | GAB | 8.40  |
| 9.0  | 100 | 160  | <b>2 608 596 158</b> | P2e | 1 | 5 | 046381 | GAB | 7.31  |
| 9.0  | 150 | 210  | <b>1 618 596 175</b> | P2e | 1 | 5 | 027830 | GAB | 8.15  |
| 10.0 | 50  | 110  | <b>1 618 596 176</b> | P2e | 1 | 5 | 027847 | GAB | 4.68  |
| 10.0 | 100 | 160  | <b>1 618 596 177</b> | P2e | 1 | 5 | 027854 | GAB | 5.14  |
| 10.0 | 150 | 210  | <b>1 618 596 265</b> | P2e | 1 | 5 | 028349 | GAB | 6.00  |
| 10.0 | 200 | 260  | <b>1 618 596 178</b> | P2e | 1 | 5 | 027861 | GAB | 6.49  |
| 10.0 | 250 | 310  | <b>1 618 596 315</b> | P2e | 1 | 5 | 046305 | GAB | 6.76  |
| 10.0 | 300 | 360  | <b>1 618 596 266</b> | P2e | 1 | 1 | 028356 | GAB | 9.09  |
| 10.0 | 400 | 460  | <b>1 618 596 267</b> | P2e | 1 | 1 | 028363 | GAB | 13.12 |
| 10.0 | 550 | 610  | <b>2 608 596 117</b> | P2e | 1 | 1 | 045162 | GAB | 19.97 |
| 10.0 | 950 | 1000 | <b>2 608 597 122</b> | P2e | 1 | 1 | 098502 | GAB | 45.67 |
| 11.0 | 100 | 160  | <b>1 618 596 179</b> | P2e | 1 | 5 | 027878 | GAB | 6.24  |
| 11.0 | 150 | 210  | <b>1 618 596 316</b> | P2e | 1 | 5 | 046312 | GAB | 7.05  |
| 11.0 | 200 | 260  | <b>1 618 596 180</b> | P2e | 1 | 5 | 027885 | GAB | 7.18  |



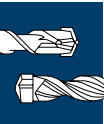
### Hammer drill bits S4L, SDS-plus

| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |

Pack of 1



|      |     |      |                      |     |   |   |        |     |       |
|------|-----|------|----------------------|-----|---|---|--------|-----|-------|
| 12.0 | 100 | 160  | <b>1 618 596 181</b> | P2e | 1 | 5 | 027892 | GAB | 6.24  |
| 12.0 | 150 | 210  | <b>1 618 596 268</b> | P2e | 1 | 5 | 028370 | GAB | 7.05  |
| 12.0 | 200 | 260  | <b>1 618 596 182</b> | P2e | 1 | 5 | 027908 | GAB | 7.52  |
| 12.0 | 250 | 310  | <b>2 608 597 782</b> | P2e | 1 | 5 | 189149 | GAB | 8.33  |
| 12.0 | 300 | 360  | <b>2 608 585 606</b> | P2e | 1 | 5 | 483407 | GAB | 10.77 |
| 12.0 | 400 | 460  | <b>1 618 596 269</b> | P2e | 1 | 1 | 028387 | GAB | 11.93 |
| 12.0 | 550 | 610  | <b>1 618 596 224</b> | P2e | 1 | 1 | 028035 | GAB | 19.97 |
| 12.0 | 950 | 1000 | <b>2 608 597 123</b> | P2e | 1 | 1 | 098519 | GAB | 49.85 |
| 13.0 | 100 | 160  | <b>1 618 596 183</b> | P2e | 1 | 5 | 027915 | GAB | 7.89  |
| 13.0 | 150 | 210  | <b>1 618 596 318</b> | P2e | 1 | 5 | 046329 | GAB | 8.44  |
| 13.0 | 200 | 260  | <b>1 618 596 184</b> | P2e | 1 | 5 | 027922 | GAB | 8.94  |
| 14.0 | 100 | 160  | <b>1 618 596 185</b> | P2e | 1 | 5 | 027939 | GAB | 8.37  |
| 14.0 | 150 | 210  | <b>1 618 596 270</b> | P2e | 1 | 5 | 028394 | GAB | 8.94  |
| 14.0 | 200 | 260  | <b>1 618 596 186</b> | P2e | 1 | 5 | 027946 | GAB | 9.90  |
| 14.0 | 250 | 310  | <b>1 618 596 271</b> | P2e | 1 | 5 | 028400 | GAB | 10.65 |
| 14.0 | 400 | 460  | <b>2 608 596 118</b> | P2e | 1 | 1 | 045179 | GAB | 15.94 |
| 14.0 | 550 | 610  | <b>1 618 596 225</b> | P2e | 1 | 1 | 028042 | GAB | 21.88 |
| 14.0 | 950 | 1000 | <b>2 608 597 124</b> | P2e | 1 | 1 | 098526 | GAB | 54.65 |
| 15.0 | 100 | 160  | <b>1 618 596 187</b> | P2e | 1 | 5 | 027953 | GAB | 7.83  |
| 15.0 | 200 | 260  | <b>1 618 596 188</b> | P2e | 1 | 5 | 027960 | GAB | 10.52 |
| 15.0 | 400 | 460  | <b>1 618 596 257</b> | P2e | 1 | 1 | 028264 | GAB | 16.04 |
| 16.0 | 150 | 210  | <b>2 608 596 185</b> | P2e | 1 | 1 | 047616 | GAB | 10.52 |
| 16.0 | 200 | 260  | <b>2 608 585 607</b> | P2e | 1 | 1 | 483414 | GAB | 12.73 |
| 16.0 | 250 | 310  | <b>2 608 596 186</b> | P2e | 1 | 1 | 047623 | GAB | 13.82 |
| 16.0 | 400 | 460  | <b>1 618 596 259</b> | P2e | 1 | 1 | 028288 | GAB | 17.79 |
| 16.0 | 550 | 610  | <b>1 618 596 226</b> | P2e | 1 | 1 | 028059 | GAB | 27.00 |
| 16.0 | 950 | 1000 | <b>2 608 597 125</b> | P2e | 1 | 1 | 098533 | GAB | 57.66 |
| 17.0 | 150 | 210  | <b>1 618 596 203</b> | P2e | 1 | 1 | 027991 | GAB | 18.88 |
| 17.0 | 250 | 300  | <b>2 608 585 952</b> | P2e | 1 | 1 | 522267 | GAB | 23.87 |
| 17.0 | 400 | 450  | <b>2 608 585 953</b> | P2e | 1 | 1 | 522410 | GAB | 30.05 |
| 18.0 | 150 | 200  | <b>1 618 596 204</b> | P2e | 1 | 5 | 028004 | GAB | 15.72 |
| 18.0 | 250 | 300  | <b>1 618 596 319</b> | P2e | 1 | 1 | 046336 | GAB | 19.23 |
| 18.0 | 400 | 450  | <b>1 618 596 260</b> | P2e | 1 | 1 | 028295 | GAB | 24.95 |
| 18.0 | 550 | 600  | <b>2 608 596 120</b> | P2e | 1 | 1 | 045193 | GAB | 39.55 |
| 18.0 | 950 | 1000 | <b>2 608 597 126</b> | P2e | 1 | 1 | 098540 | GAB | 71.63 |
| 19.0 | 150 | 200  | <b>1 618 596 205</b> | P2e | 1 | 1 | 028011 | GAB | 18.81 |
| 19.0 | 250 | 300  | <b>1 618 596 320</b> | P2e | 1 | 1 | 046343 | GAB | 27.37 |
| 19.0 | 400 | 450  | <b>1 618 596 261</b> | P2e | 1 | 1 | 028301 | GAB | 29.45 |
| 20.0 | 150 | 200  | <b>1 618 596 207</b> | P2e | 1 | 1 | 028028 | GAB | 20.38 |
| 20.0 | 250 | 300  | <b>1 618 596 262</b> | P2e | 1 | 1 | 028318 | GAB | 26.78 |
| 20.0 | 400 | 450  | <b>1 618 596 263</b> | P2e | 1 | 1 | 028325 | GAB | 29.78 |
| 20.0 | 550 | 600  | <b>1 618 596 321</b> | P2e | 1 | 1 | 046350 | GAB | 38.99 |
| 20.0 | 950 | 1000 | <b>2 608 597 127</b> | P2e | 1 | 1 | 098557 | GAB | 74.01 |
| 22.0 | 200 | 250  | <b>1 618 596 232</b> | P2e | 1 | 1 | 028080 | GAB | 29.86 |
| 22.0 | 400 | 450  | <b>1 618 596 233</b> | P2e | 1 | 1 | 028097 | GAB | 35.06 |
| 22.0 | 550 | 600  | <b>2 608 596 123</b> | P2e | 1 | 1 | 045223 | GAB | 45.45 |
| 22.0 | 950 | 1000 | <b>2 608 597 128</b> | P2e | 1 | 1 | 098564 | GAB | 84.02 |
| 24.0 | 200 | 250  | <b>1 618 596 236</b> | P2e | 1 | 1 | 028127 | GAB | 32.29 |
| 24.0 | 400 | 450  | <b>1 618 596 237</b> | P2e | 1 | 1 | 028134 | GAB | 36.47 |



## Hammer drill bits S4L, SDS-plus

| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

## Pack of 1

|      |     |      |                      |     |   |   |        |     |       |
|------|-----|------|----------------------|-----|---|---|--------|-----|-------|
| 25.0 | 200 | 250  | <b>1 618 596 238</b> | P2e | 1 | 1 | 028141 | GAB | 33.09 |
| 25.0 | 400 | 450  | <b>1 618 596 239</b> | P2e | 1 | 1 | 028158 | GAB | 37.74 |
| 25.0 | 950 | 1000 | <b>2 608 597 129</b> | P2e | 1 | 1 | 098571 | GAB | 94.83 |
| 26.0 | 200 | 250  | <b>1 618 596 240</b> | P2e | 1 | 1 | 028165 | GAB | 35.54 |
| 26.0 | 400 | 450  | <b>1 618 596 241</b> | P2e | 1 | 1 | 028172 | GAB | 39.15 |

## Pack of 10

|      |     |     |                      |     |    |   |        |     |       |
|------|-----|-----|----------------------|-----|----|---|--------|-----|-------|
| 3.5  | 50  | 110 | <b>2 608 585 608</b> | P1a | 10 | 1 | 483421 | GAB | 32.48 |
| 3.5  | 75  | 135 | <b>2 608 585 609</b> | P1a | 10 | 1 | 483438 | GAB | 35.23 |
| 4.0  | 50  | 110 | <b>2 608 585 610</b> | P1a | 10 | 1 | 483445 | GAB | 33.80 |
| 4.0  | 100 | 160 | <b>2 608 585 611</b> | P1a | 10 | 1 | 483452 | GAB | 57.76 |
| 5.0  | 50  | 110 | <b>2 608 585 612</b> | P1a | 10 | 1 | 483469 | GAB | 33.80 |
| 5.0  | 100 | 160 | <b>2 608 585 613</b> | P1a | 10 | 1 | 483476 | GAB | 37.96 |
| 5.5  | 50  | 110 | <b>2 608 585 614</b> | P1a | 10 | 1 | 483483 | GAB | 33.80 |
| 5.5  | 100 | 160 | <b>2 608 585 615</b> | P1a | 10 | 1 | 483490 | GAB | 36.20 |
| 6.0  | 50  | 110 | <b>2 608 585 616</b> | P1a | 10 | 1 | 483506 | GAB | 33.80 |
| 6.0  | 100 | 160 | <b>2 608 585 617</b> | P1a | 10 | 1 | 483513 | GAB | 38.19 |
| 6.0  | 150 | 210 | <b>2 608 585 618</b> | P1a | 10 | 1 | 483520 | GAB | 46.96 |
| 6.5  | 100 | 160 | <b>2 608 585 619</b> | P1a | 10 | 1 | 483537 | GAB | 39.87 |
| 6.5  | 150 | 210 | <b>2 608 585 620</b> | P1a | 10 | 1 | 483544 | GAB | 75.00 |
| 6.5  | 200 | 260 | <b>2 608 585 621</b> | P1a | 10 | 1 | 483551 | GAB | 87.55 |
| 7.0  | 100 | 160 | <b>2 608 585 622</b> | P1a | 10 | 1 | 483568 | GAB | 42.88 |
| 8.0  | 100 | 160 | <b>2 608 585 623</b> | P1a | 10 | 1 | 483575 | GAB | 44.37 |
| 8.0  | 150 | 210 | <b>2 608 585 624</b> | P1a | 10 | 1 | 483582 | GAB | 48.88 |
| 8.0  | 200 | 260 | <b>2 608 585 625</b> | P1a | 10 | 1 | 483599 | GAB | 59.99 |
| 10.0 | 100 | 160 | <b>2 608 585 626</b> | P1a | 10 | 1 | 483605 | GAB | 48.88 |
| 10.0 | 150 | 210 | <b>2 608 585 627</b> | P1a | 10 | 1 | 483612 | GAB | 57.10 |
| 10.0 | 200 | 260 | <b>2 608 585 628</b> | P1a | 10 | 1 | 483629 | GAB | 61.61 |
| 12.0 | 100 | 160 | <b>2 608 585 629</b> | P1a | 10 | 1 | 483636 | GAB | 59.33 |
| 12.0 | 150 | 210 | <b>2 608 585 630</b> | P1a | 10 | 1 | 483643 | GAB | 66.95 |
| 12.0 | 200 | 260 | <b>2 608 585 631</b> | P1a | 10 | 1 | 483650 | GAB | 71.46 |



### Hammer drill bit sets S4L

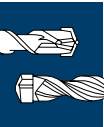
| Diameter mm        | Working length mm | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|-------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                   |                 | Ordering information |                |               |                        |                    |                |                   |

5-piece Robust Line hammer drill bit set S4L

|             |     |     |                      |     |   |   |        |     |       |
|-------------|-----|-----|----------------------|-----|---|---|--------|-----|-------|
| <b>5.0</b>  | 50  | 110 | <b>2 607 019 927</b> | P1k | 5 | 1 | 517072 | GRL | 21.24 |
| <b>6.0</b>  | 50  | 110 |                      |     |   |   |        |     |       |
| <b>6.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>8.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>10.0</b> | 100 | 160 |                      |     |   |   |        |     |       |
| <b>5.5</b>  | 100 | 160 | <b>2 607 019 929</b> | P1k | 5 | 1 | 517102 | GRL | 22.43 |
| <b>6.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>7.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>8.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>10.0</b> | 100 | 160 |                      |     |   |   |        |     |       |
| <b>6.0</b>  | 100 | 160 | <b>2 607 019 928</b> | P1k | 5 | 1 | 517089 | GRL | 22.81 |
| <b>6.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>8.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>8.0</b>  | 100 | 160 |                      |     |   |   |        |     |       |
| <b>10.0</b> | 100 | 160 |                      |     |   |   |        |     |       |



Set size D:  
197.0 x 87.5 x 23 mm



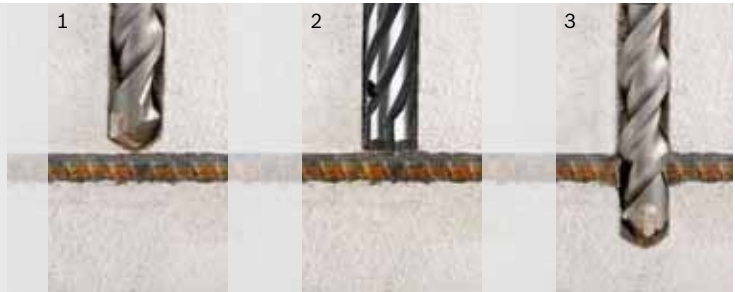
# Rebar Cutter

## SDS-plus shank



- ▶ The highest drilling speed due to specially shaped and solidly embedded tungsten carbide teeth
- ▶ Spiral flute for optimum chip removal and for increasing the lifetime
- ▶ Long bit body guarantees very good guidance in the drilled hole without jamming

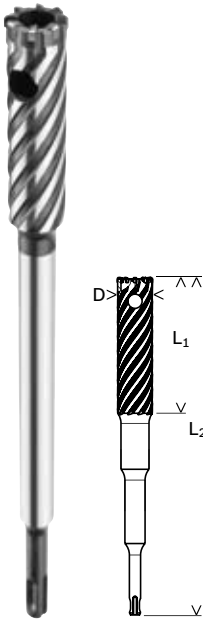
1. Pre-drill up to rebar using hammer drill bit
2. Cut through rebar without impact using Rebar Cutter with the same diameter
3. Finish drilling using hammer drill bit



### Rebar Cutter, SDS-plus



- ▶ **Suitable for** rebar in concrete
- ▶ For non-impact use in rotary hammers with SDS-plus holder
- ▶ Only cut through rebar if approval has been issued by a stress analyst
- ▶ Only use the Rebar Cutter without impact

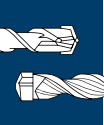


| Diameter (D) mm | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|-----------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>16</b>       | 120                    | 300                  | <b>2 608 586 994</b> | P1h            | 1             | 1                      | 576673             | GAB            | 71.02             |
| <b>18</b>       | 120                    | 300                  | <b>2 608 586 995</b> | P1h            | 1             | 1                      | 576680             | GAB            | 76.17             |
| <b>20</b>       | 120                    | 300                  | <b>2 608 586 996</b> | P1h            | 1             | 1                      | 576697             | GAB            | 79.26             |
| <b>22</b>       | 120                    | 300                  | <b>2 608 586 997</b> | P1h            | 1             | 1                      | 576703             | GAB            | 82.35             |
| <b>25</b>       | 120                    | 300                  | <b>2 608 586 998</b> | P1h            | 1             | 1                      | 576710             | GAB            | 89.56             |
| <b>28</b>       | 120                    | 300                  | <b>2 608 586 999</b> | P1h            | 1             | 1                      | 576727             | GAB            | 92.65             |
| <b>32</b>       | 120                    | 300                  | <b>2 608 587 100</b> | P1h            | 1             | 1                      | 576734             | GAB            | 98.83             |



# Core cutters

## SDS-plus shank



- ▶ Hammer-resistant core cutter for the toughest applications with impact drills or rotary hammers with SDS-plus holder
- ▶ Sturdy, thin-walled bit body for extremely fast drilling rate
- ▶ Tungsten carbide teeth in hammer drill bit for guaranteed quality and extremely long life
- ▶ **Note:** Always use core cutters in suitable machines only, because there is a risk of overload. Observe the operating instructions of the rotary hammer. Working length consists of several drilling steps. Break the core out when the maximum depth has been reached

Powerful plunge cutting, even in the hardest material

### Core cutters



- ▶ **Suitable for** concrete, masonry, limestone
- ▶ For use with SDS-plus or hex shank



| Diameter mm | Working length (L1) mm | Total length (L2) mm | Cutters, number | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|-------------|------------------------|----------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>25</b>   | 50                     | 72                   | 4               | <b>2 608 550 612</b> | P1e            | 1             | 1                      | 605328             | GAB            | 62.00             |
| <b>30</b>   | 50                     | 72                   | 6               | <b>2 608 550 613</b> | P1e            | 1             | 1                      | 605335             | GAB            | 69.67             |
| <b>35</b>   | 50                     | 72                   | 6               | <b>2 608 550 614</b> | P1e            | 1             | 1                      | 605342             | GAB            | 77.67             |
| <b>40</b>   | 50                     | 72                   | 6               | <b>2 608 550 074</b> | P1e            | 1             | 1                      | 084642             | GAB            | 71.43             |
| <b>50</b>   | 50                     | 72                   | 6               | <b>2 608 550 075</b> | P1e            | 1             | 1                      | 084659             | GAB            | 81.45             |
| <b>68</b>   | 50                     | 72                   | 6               | <b>2 608 550 076</b> | P1e            | 1             | 1                      | 084666             | GAB            | 84.92             |
| <b>82</b>   | 50                     | 72                   | 6               | <b>2 608 550 077</b> | P1e            | 1             | 1                      | 084673             | GAB            | 97.05             |
| <b>90</b>   | 50                     | 72                   | 6               | <b>2 608 550 615</b> | P1e            | 1             | 1                      | 605359             | GAB            | 128.33            |
| <b>100</b>  | 50                     | 72                   | 6               | <b>2 608 550 616</b> | P1e            | 1             | 1                      | 605366             | GAB            | 147.00            |
| <b>112</b>  | 50                     | 72                   | 6               | <b>2 608 550 617</b> | P1e            | 1             | 1                      | 605373             | GAB            | 155.33            |

Core cutter sets



| Product properties |                        |                      |                 | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter mm        | Working length (L1) mm | Total length (L2) mm | Cutters, number | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

3-piece core cutter set, hex shank with pilot drill bit and hex shank



|    |    |    |   |                      |      |   |   |        |     |       |
|----|----|----|---|----------------------|------|---|---|--------|-----|-------|
| 66 | 50 | 75 | 6 | <b>2 608 550 088</b> | PC1b | 1 | 1 | 097420 | GAB | 81.29 |
| 80 | 50 | 75 | 6 | <b>2 608 550 089</b> | PC1b | 1 | 1 | 097437 | GAB | 97.83 |



3-piece core cutter set, SDS-plus SDS-plus shank and pilot drill bit



|    |    |    |   |                      |      |   |   |        |     |        |
|----|----|----|---|----------------------|------|---|---|--------|-----|--------|
| 68 | 60 | 75 | 6 | <b>2 608 550 064</b> | PC1b | 1 | 1 | 046206 | GAB | 97.05  |
| 82 | 60 | 75 | 6 | <b>2 608 550 065</b> | PC1b | 1 | 1 | 046213 | GAB | 106.76 |

Accessories for core cutters

| Product properties    |                 | Ordering information |                |               |                        |                    |                |                   |  |  |
|-----------------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|--|
| Diameter/key width mm | Total length mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |  |

Hex shank for core cutters with M16



|    |     |                      |     |   |   |        |     |       |
|----|-----|----------------------|-----|---|---|--------|-----|-------|
| 11 | 80  | <b>2 608 550 078</b> | P1e | 1 | 1 | 084680 | GAT | 17.74 |
| 11 | 220 | <b>2 608 598 109</b> | P1e | 1 | 1 | 096744 | GAT | 31.85 |

SDS-plus shank for core cutters with M16



|   |     |                      |     |   |   |        |     |       |
|---|-----|----------------------|-----|---|---|--------|-----|-------|
| - | 105 | <b>2 608 550 057</b> | P1e | 1 | 1 | 046138 | GAT | 20.40 |
| - | 220 | <b>2 608 598 110</b> | P1e | 1 | 1 | 096751 | GAT | 36.47 |

Pilot drill bit for shank for hex adapter and SDS-plus



|   |     |                      |      |   |   |        |     |      |
|---|-----|----------------------|------|---|---|--------|-----|------|
| 8 | 120 | <b>2 608 596 157</b> | PC1d | 1 | 5 | 046114 | GAT | 5.50 |
|---|-----|----------------------|------|---|---|--------|-----|------|

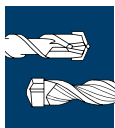
SDS-plus shank for core cutters with M16 one-piece



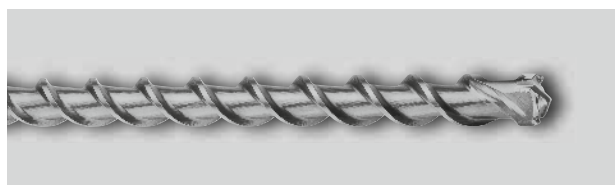
|   |     |                      |     |   |   |        |     |       |
|---|-----|----------------------|-----|---|---|--------|-----|-------|
| - | 175 | <b>2 608 598 046</b> | P1e | 1 | 1 | 332224 | GAT | 57.43 |
| - | 340 | <b>2 608 598 047</b> | P1e | 1 | 1 | 332231 | GAT | 80.78 |
| - | 440 | <b>2 608 598 048</b> | P1e | 1 | 1 | 332248 | GAT | 88.68 |



# Concrete and stone drill bits, SDS-max shank



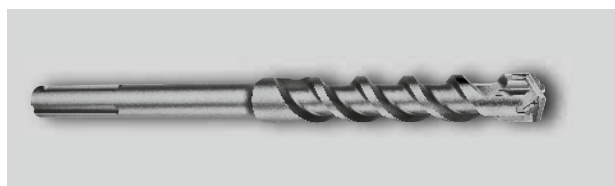
**Hammer drill bits Speed X, SDS-max**  
Page 150



**Hammer drill bits Ram X, SDS-max**  
Page 152



**Breakthrough drill bits, SDS-max**  
Page 153



**Hammer drill bits M4, SDS-max**  
Page 153



**SDS-max core cutters, one-piece**  
Page 154



**SDS-max core cutters, two-piece**  
Page 155

# Speed X

## Faster than any other

Unrivalled destructive power, consistent long lifetime, optimum centring, highest drilling speed

**Short head with large-volume dust channels**  
for frictionless drilling dust removal, minimal heat development



**Active centring tip**  
for optimum guidance when drilling in concrete and reinforced concrete

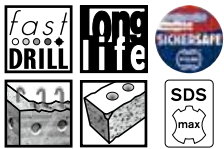
**Extremely robust and aggressive solid tungsten carbide S-cutter**

**Inclined side cutters**  
for an aggressive drilling rate

### Hammer drill bits Speed X, SDS-max

## Speed X

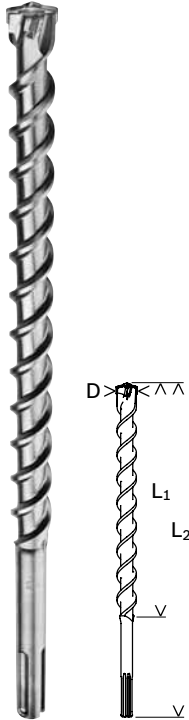
- ▶ Suitable for concrete and reinforced concrete, limestone, masonry
- ▶ For use in rotary hammers with SDS-max holder
- ▶ Working lengths of 200, 400, 600, 800 and 1200 mm
- ▶ \* 12 to 15 mm diameters are two-cutters
- ▶ Reclosable packaging for professionals



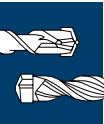
| Diameter (D) mm           | Working length (L1) mm | Total length (L2) mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|------------------------|----------------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b> |                        |                      | <b>Ordering information</b> |                |               |                        |                    |                |                   |
| 12                        | 200                    | 340                  | 2 608 586 738*              | P1h            | 1             | 1                      | 564625             | GAL            | 36.42             |
| 12                        | 400                    | 540                  | 2 608 586 739*              | P1h            | 1             | 1                      | 564632             | GAL            | 43.39             |
| 12                        | 600                    | 740                  | 2 608 586 740*              | P1h            | 1             | 1                      | 564649             | GAL            | 61.60             |
| 12                        | 800                    | 940                  | 2 608 586 741*              | P1h            | 1             | 1                      | 564656             | GAL            | 82.49             |
| 14                        | 200                    | 340                  | 2 608 586 744*              | P1h            | 1             | 1                      | 564687             | GAL            | 40.72             |
| 14                        | 400                    | 540                  | 2 608 586 745*              | P1h            | 1             | 1                      | 564694             | GAL            | 48.75             |
| 14                        | 600                    | 740                  | 2 608 586 746*              | P1h            | 1             | 1                      | 564700             | GAL            | 65.37             |
| 14                        | 800                    | 940                  | 2 608 586 747*              | P1h            | 1             | 1                      | 564717             | GAL            | 83.58             |
| 15                        | 200                    | 340                  | 2 608 586 749*              | P1h            | 1             | 1                      | 564731             | GAL            | 43.92             |
| 15                        | 400                    | 540                  | 2 608 586 750*              | P1h            | 1             | 1                      | 564748             | GAL            | 51.43             |
| 16                        | 200                    | 340                  | 2 608 586 751               | P1h            | 1             | 1                      | 564755             | GAL            | 43.92             |
| 16                        | 400                    | 540                  | 2 608 586 752               | P1h            | 1             | 1                      | 564762             | GAL            | 51.43             |
| 16                        | 600                    | 740                  | 2 608 586 753               | P1h            | 1             | 1                      | 564779             | GAL            | 67.49             |
| 16                        | 800                    | 940                  | 2 608 586 754               | P1h            | 1             | 1                      | 564786             | GAL            | 84.64             |
| 16                        | 1200                   | 1340                 | 2 608 586 755               | P1h            | 1             | 1                      | 564793             | GAL            | 155.36            |

\* Two-cutter

### Hammer drill bits Speed X, SDS-max



| Product properties |                        | Ordering information |                      |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| 17                 | 200                    | 340                  | <b>2 608 586 756</b> | P1h            | 1             | 1                      | 564809             | GAL            | 45.54             |
| 17                 | 400                    | 540                  | <b>2 608 586 757</b> | P1h            | 1             | 1                      | 564816             | GAL            | 54.10             |
| 18                 | 200                    | 340                  | <b>2 608 586 758</b> | P1h            | 1             | 1                      | 564823             | GAL            | 45.54             |
| 18                 | 400                    | 540                  | <b>2 608 586 759</b> | P1h            | 1             | 1                      | 564830             | GAL            | 54.10             |
| 18                 | 600                    | 740                  | <b>2 608 586 760</b> | P1h            | 1             | 1                      | 564847             | GAL            | 69.64             |
| 18                 | 800                    | 940                  | <b>2 608 586 761</b> | P1h            | 1             | 1                      | 564854             | GAL            | 85.17             |
| 18                 | 1200                   | 1340                 | <b>2 608 586 762</b> | P1h            | 1             | 1                      | 564861             | GAL            | 160.18            |
| 19                 | 200                    | 320                  | <b>2 608 586 763</b> | P1h            | 1             | 1                      | 564878             | GAL            | 47.69             |
| 19                 | 400                    | 520                  | <b>2 608 586 764</b> | P1h            | 1             | 1                      | 565486             | GAL            | 55.19             |
| 20                 | 200                    | 320                  | <b>2 608 586 765</b> | P1h            | 1             | 1                      | 565493             | GAL            | 47.69             |
| 20                 | 400                    | 520                  | <b>2 608 586 766</b> | P1h            | 1             | 1                      | 565509             | GAL            | 55.19             |
| 20                 | 600                    | 720                  | <b>2 608 586 767</b> | P1h            | 1             | 1                      | 565516             | GAL            | 70.72             |
| 20                 | 800                    | 920                  | <b>2 608 586 768</b> | P1h            | 1             | 1                      | 565523             | GAL            | 86.79             |
| 20                 | 1200                   | 1320                 | <b>2 608 586 769</b> | P1h            | 1             | 1                      | 565530             | GAL            | 165.01            |
| 22                 | 200                    | 320                  | <b>2 608 586 770</b> | P1h            | 1             | 1                      | 565547             | GAL            | 51.43             |
| 22                 | 400                    | 520                  | <b>2 608 586 771</b> | P1h            | 1             | 1                      | 565554             | GAL            | 58.40             |
| 22                 | 600                    | 720                  | <b>2 608 586 772</b> | P1h            | 1             | 1                      | 565561             | GAL            | 73.40             |
| 22                 | 800                    | 920                  | <b>2 608 586 773</b> | P1h            | 1             | 1                      | 565578             | GAL            | 87.85             |
| 22                 | 1200                   | 1320                 | <b>2 608 586 774</b> | P1h            | 1             | 1                      | 565585             | GAL            | 181.60            |
| 24                 | 200                    | 320                  | <b>2 608 586 775</b> | P1h            | 1             | 1                      | 565592             | GAL            | 55.72             |
| 24                 | 400                    | 520                  | <b>2 608 586 776</b> | P1h            | 1             | 1                      | 565608             | GAL            | 64.81             |
| 25                 | 200                    | 320                  | <b>2 608 586 777</b> | P1h            | 1             | 1                      | 565615             | GAL            | 55.72             |
| 25                 | 400                    | 520                  | <b>2 608 586 778</b> | P1h            | 1             | 1                      | 565622             | GAL            | 64.81             |
| 25                 | 600                    | 720                  | <b>2 608 586 779</b> | P1h            | 1             | 1                      | 565639             | GAL            | 84.64             |
| 25                 | 800                    | 920                  | <b>2 608 586 780</b> | P1h            | 1             | 1                      | 565479             | GAL            | 105.00            |
| 25                 | 1200                   | 1320                 | <b>2 608 586 781</b> | P1h            | 1             | 1                      | 565646             | GAL            | 194.99            |
| 26                 | 200                    | 320                  | <b>2 608 586 782</b> | P1h            | 1             | 1                      | 565653             | GAL            | 63.75             |
| 26                 | 400                    | 520                  | <b>2 608 586 783</b> | P1h            | 1             | 1                      | 565660             | GAL            | 73.40             |
| 28                 | 200                    | 320                  | <b>2 608 586 784</b> | P1h            | 1             | 1                      | 565677             | GAL            | 63.75             |
| 28                 | 400                    | 520                  | <b>2 608 586 785</b> | P1h            | 1             | 1                      | 565684             | GAL            | 73.40             |
| 28                 | 600                    | 720                  | <b>2 608 586 786</b> | P1h            | 1             | 1                      | 565691             | GAL            | 94.82             |
| 28                 | 800                    | 920                  | <b>2 608 586 787</b> | P1h            | 1             | 1                      | 565707             | GAL            | 116.79            |
| 28                 | 1200                   | 1320                 | <b>2 608 586 788</b> | P1h            | 1             | 1                      | 565714             | GAL            | 204.64            |
| 30                 | 200                    | 320                  | <b>2 608 586 789</b> | P1h            | 1             | 1                      | 565721             | GAL            | 65.90             |
| 30                 | 400                    | 520                  | <b>2 608 586 790</b> | P1h            | 1             | 1                      | 565738             | GAL            | 78.75             |
| 32                 | 200                    | 320                  | <b>2 608 586 791</b> | P1h            | 1             | 1                      | 565745             | GAL            | 71.78             |
| 32                 | 400                    | 520                  | <b>2 608 586 792</b> | P1h            | 1             | 1                      | 565752             | GAL            | 85.72             |
| 32                 | 600                    | 720                  | <b>2 608 586 793</b> | P1h            | 1             | 1                      | 565769             | GAL            | 107.67            |
| 32                 | 800                    | 920                  | <b>2 608 586 794</b> | P1h            | 1             | 1                      | 565776             | GAL            | 128.56            |
| 32                 | 1200                   | 1320                 | <b>2 608 586 795</b> | P1h            | 1             | 1                      | 565783             | GAL            | 215.35            |
| 35                 | 400                    | 520                  | <b>2 608 586 796</b> | P1h            | 1             | 1                      | 565790             | GAL            | 95.90             |
| 35                 | 600                    | 720                  | <b>2 608 586 797</b> | P1h            | 1             | 1                      | 565806             | GAL            | 135.53            |
| 35                 | 800                    | 920                  | <b>2 608 586 798</b> | P1h            | 1             | 1                      | 565813             | GAL            | 182.13            |
| 35                 | 1200                   | 1320                 | <b>2 608 586 799</b> | P1h            | 1             | 1                      | 565820             | GAL            | 242.14            |
| 38                 | 400                    | 520                  | <b>2 608 586 800</b> | P1h            | 1             | 1                      | 565462             | GAL            | 114.11            |
| 38                 | 600                    | 720                  | <b>2 608 586 801</b> | P1h            | 1             | 1                      | 565837             | GAL            | 135.00            |
| 40                 | 400                    | 520                  | <b>2 608 586 802</b> | P1h            | 1             | 1                      | 565844             | GAL            | 138.21            |
| 40                 | 600                    | 720                  | <b>2 608 586 803</b> | P1h            | 1             | 1                      | 565851             | GAL            | 165.01            |
| 40                 | 800                    | 920                  | <b>2 608 586 804</b> | P1h            | 1             | 1                      | 565868             | GAL            | 186.43            |
| 40                 | 1200                   | 1320                 | <b>2 608 586 805</b> | P1h            | 1             | 1                      | 565875             | GAL            | 268.39            |
| 45                 | 400                    | 520                  | <b>2 608 586 806</b> | P1h            | 1             | 1                      | 565882             | GAL            | 168.75            |
| 52                 | 400                    | 520                  | <b>2 608 586 807</b> | P1h            | 1             | 1                      | 565899             | GAL            | 220.72            |



# Hammer drill bits Ram X



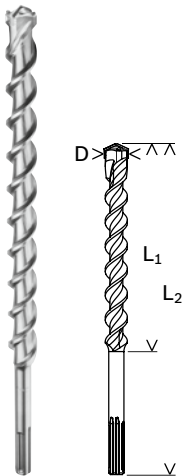
- ▶ The specialist for the toughest applications in natural stone
- ▶ Guaranteed high speed and long lifetime thanks to the robust side cutter pins

## Hammer drill bits Ram X, SDS-max

### Ram X



- ▶ Suitable for natural stone
- ▶ Reclosable packaging for professionals



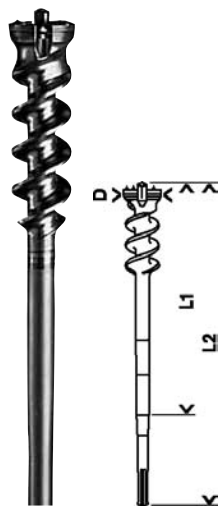
| Diameter (D) mm           | Working length (L1) mm | Total length (L2) mm | Part number                 | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|------------------------|----------------------|-----------------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| <b>Product properties</b> |                        |                      | <b>Ordering information</b> |                |               |                        |                    |                |                   |
| 28                        | 400                    | 520                  | 1 618 596 502               | P1h            | 1             | 1                      | 560115             | GAL            | 92.48             |
| 28                        | 600                    | 720                  | 1 618 596 503               | P1h            | 1             | 1                      | 560122             | GAL            | 119.48            |
| 28                        | 800                    | 920                  | 1 618 596 504               | P1h            | 1             | 1                      | 560139             | GAL            | 147.15            |
| 32                        | 400                    | 520                  | 1 618 596 505               | P1h            | 1             | 1                      | 560146             | GAL            | 108.00            |
| 32                        | 600                    | 720                  | 1 618 596 506               | P1h            | 1             | 1                      | 560153             | GAL            | 135.68            |
| 32                        | 800                    | 920                  | 1 618 596 507               | P1h            | 1             | 1                      | 560160             | GAL            | 162.00            |

# Breakthrough drill bits

## Breakthrough drill bits, SDS-max



- ▶ **Suitable for** breakthroughs with diameters from 45 mm to 80 mm in concrete, masonry, limestone, e.g. for fixing cables and pipes outside
- ▶ One-piece tool, bell shaped head with asymmetrically positioned carbide pins and centre cutter
- ▶ Large-volume spiral flute, tapered shank
- ▶ **Note:** Always use breakthrough drill bits in suitable hammer classes only, because there is a risk of overload. Observe the operating instructions of the rotary hammer



| Product properties |                        |                      | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| 45                 | 450                    | 600                  | 1 618 596 455        | P1e            | 1             | 1                      | 021951             | GAL            | 170.57            |  |
| 45                 | 850                    | 1000                 | 1 618 596 456        | P1e            | 1             | 1                      | 021968             | GAL            | 193.82            |  |
| 55                 | 450                    | 600                  | 1 618 596 457        | P1e            | 1             | 1                      | 021975             | GAL            | 178.33            |  |
| 55                 | 850                    | 1000                 | 1 618 596 458        | P1e            | 1             | 1                      | 021982             | GAL            | 212.44            |  |
| 65                 | 450                    | 600                  | 1 618 596 459        | P1e            | 1             | 1                      | 021999             | GAL            | 213.99            |  |
| 65                 | 850                    | 1000                 | 1 618 596 460        | P1e            | 1             | 1                      | 022002             | GAL            | 232.60            |  |
| 80                 | 450                    | 600                  | 1 618 596 461        | P1e            | 1             | 1                      | 022019             | GAL            | 339.74            |  |
| 80                 | 850                    | 1000                 | 1 618 596 462        | P1e            | 1             | 1                      | 022026             | GAL            | 407.69            |  |

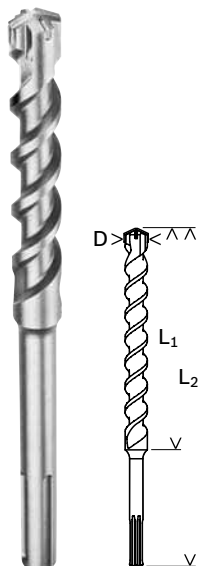
# Hammer drill bits M4

## Hammer drill bits M4, SDS-max

### M4



- ▶ **Suitable for** concrete and reinforced concrete, masonry
- ▶ Can be used in all rotary hammers with SDS-max holder
- ▶ Price/performance optimised 4-cutter



|    |     |     |               |     |   |   |        |     |        |
|----|-----|-----|---------------|-----|---|---|--------|-----|--------|
| 16 | 200 | 340 | 2 608 685 860 | P1f | 1 | 1 | 564113 | GAL | 25.75  |
| 16 | 400 | 540 | 2 608 685 861 | P1f | 1 | 1 | 564120 | GAL | 30.07  |
| 18 | 200 | 340 | 2 608 685 862 | P1f | 1 | 1 | 564137 | GAL | 26.55  |
| 18 | 400 | 540 | 2 608 685 863 | P1f | 1 | 1 | 564144 | GAL | 31.44  |
| 20 | 200 | 320 | 2 608 685 864 | P1f | 1 | 1 | 564151 | GAL | 26.77  |
| 20 | 400 | 520 | 2 608 685 865 | P1f | 1 | 1 | 564168 | GAL | 31.14  |
| 22 | 200 | 320 | 2 608 685 866 | P1f | 1 | 1 | 564175 | GAL | 31.58  |
| 22 | 400 | 520 | 2 608 685 867 | P1f | 1 | 1 | 564182 | GAL | 34.70  |
| 25 | 200 | 320 | 2 608 685 868 | P1f | 1 | 1 | 564199 | GAL | 32.50  |
| 25 | 400 | 520 | 2 608 685 869 | P1f | 1 | 1 | 564205 | GAL | 37.84  |
| 28 | 200 | 320 | 2 608 685 870 | P1f | 1 | 1 | 564229 | GAL | 44.59  |
| 28 | 400 | 520 | 2 608 685 871 | P1f | 1 | 1 | 564236 | GAL | 49.69  |
| 30 | 200 | 320 | 2 608 685 872 | P1f | 1 | 1 | 564243 | GAL | 49.59  |
| 30 | 400 | 520 | 2 608 685 873 | P1f | 1 | 1 | 564250 | GAL | 56.50  |
| 32 | 200 | 320 | 2 608 685 874 | P1f | 1 | 1 | 564267 | GAL | 67.20  |
| 32 | 400 | 520 | 2 608 685 875 | P1f | 1 | 1 | 564274 | GAL | 68.47  |
| 35 | 400 | 520 | 2 608 685 876 | P1f | 1 | 1 | 564281 | GAL | 73.15  |
| 40 | 400 | 520 | 2 608 685 877 | P1f | 1 | 1 | 564298 | GAL | 101.75 |

# Core cutters

## SDS-max shank



- ▶ Hammer-resistant core cutter for the toughest applications with rotary hammers with SDS-max holder
- ▶ Sturdy, hardened bit body with spiral flute for extremely fast drilling rate
- ▶ Tungsten carbide teeth in hammer drill bit for guaranteed quality and extremely long life
- ▶ **Note:** Always use core cutters in suitable machines only, because there is a risk of overload. Observe the operating instructions of the rotary hammer. Working length consists of several drilling steps. Break the core out when the maximum depth has been reached

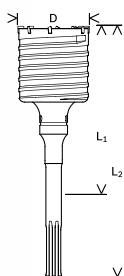
Special teeth arrangement and tungsten carbide design for the fastest possible drilling in concrete

### SDS-max core cutters, one-piece



- ▶ **Suitable for** concrete, masonry and limestone
- ▶ One-piece design guarantees optimum power transfer of the machine
- ▶ Aggressive work progress and simultaneously very quiet during operation thanks to the asymmetric teeth arrangement

| Product properties |                        | Ordering information |                 |               |                |               |                        |                    |                |                   |
|--------------------|------------------------|----------------------|-----------------|---------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter mm        | Working length (L1) mm | Total length (L2) mm | Cutters, number | Part number   | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| 45                 | 160                    | 290                  | 6               | F 00Y 145 188 | C2h            | 1             | 1                      | 145510             | GAL            | 206.04            |
| 45                 | 420                    | 550                  | 6               | F 00Y 145 189 | C2h            | 1             | 1                      | 145527             | GAL            | 229.36            |
| 50                 | 160                    | 290                  | 6               | F 00Y 145 190 | C2h            | 1             | 1                      | 145534             | GAL            | 213.81            |
| 50                 | 420                    | 550                  | 6               | F 00Y 145 191 | C2h            | 1             | 1                      | 145541             | GAL            | 237.14            |
| 55                 | 160                    | 290                  | 6               | F 00Y 145 192 | C2h            | 1             | 1                      | 145558             | GAL            | 221.59            |
| 55                 | 420                    | 550                  | 6               | F 00Y 145 193 | C2h            | 1             | 1                      | 145565             | GAL            | 244.91            |
| 68                 | 160                    | 290                  | 6               | F 00Y 145 194 | C2h            | 1             | 1                      | 145572             | GAL            | 229.36            |
| 68                 | 420                    | 550                  | 6               | F 00Y 145 195 | C2h            | 1             | 1                      | 145589             | GAL            | 252.69            |
| 82                 | 160                    | 290                  | 8               | F 00Y 145 196 | C2h            | 1             | 1                      | 145596             | GAL            | 252.69            |
| 82                 | 420                    | 550                  | 8               | F 00Y 145 197 | C2h            | 1             | 1                      | 145602             | GAL            | 276.01            |
| 90                 | 160                    | 290                  | 8               | F 00Y 145 198 | C2h            | 1             | 1                      | 145619             | GAL            | 276.01            |
| 90                 | 420                    | 550                  | 8               | F 00Y 145 199 | C2h            | 1             | 1                      | 145626             | GAL            | 307.11            |
| 100                | 310                    | 430                  | 11              | F 00Y 145 200 | C2h            | 1             | 1                      | 145633             | GAL            | 345.99            |
| 125                | 310                    | 430                  | 11              | F 00Y 145 201 | C2h            | 1             | 1                      | 145640             | GAL            | 384.86            |
| 150                | 310                    | 430                  | 13              | F 00Y 145 202 | C2h            | 1             | 1                      | 145657             | GAL            | 579.24            |





### SDS-max core cutters, two-piece, with thread



► Suitable for concrete, masonry, limestone



| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter mm        | Working length (L1) mm | Cutters, number      | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

SDS-max core cutter, two-piece

|     |    |    |               |     |   |   |        |     |        |  |
|-----|----|----|---------------|-----|---|---|--------|-----|--------|--|
| 45  | 80 | 6  | 2 608 580 518 | C2h | 1 | 1 | 557733 | GAL | 174.94 |  |
| 50  | 80 | 6  | 2 608 580 519 | C2h | 1 | 1 | 557740 | GAL | 182.71 |  |
| 55  | 80 | 6  | 2 608 580 520 | C2h | 1 | 1 | 557757 | GAL | 190.49 |  |
| 68  | 80 | 6  | 2 608 580 521 | C2h | 1 | 1 | 557764 | GAL | 206.04 |  |
| 82  | 80 | 8  | 2 608 580 522 | C2h | 1 | 1 | 557771 | GAL | 229.36 |  |
| 90  | 80 | 8  | 2 608 580 523 | C2h | 1 | 1 | 557788 | GAL | 252.69 |  |
| 100 | 80 | 11 | 2 608 580 524 | C2h | 1 | 1 | 557795 | GAL | 276.01 |  |
| 125 | 80 | 11 | 2 608 580 525 | C2h | 1 | 1 | 557801 | GAL | 322.66 |  |
| 150 | 80 | 13 | 2 608 580 526 | C2h | 1 | 1 | 557818 | GAL | 493.71 |  |

### Accessories for SDS-max core cutters

| Product properties |                        | Ordering information |             |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Working length (L1) mm | Total length (L2) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

Adapter for two-piece SDS-max core cutters



|   |   |     |               |     |   |   |        |     |       |  |
|---|---|-----|---------------|-----|---|---|--------|-----|-------|--|
| - | - | 200 | 2 608 580 527 | P1e | 1 | 1 | 560030 | GAL | 69.59 |  |
| - | - | 460 | 2 608 580 528 | P1e | 1 | 1 | 560047 | GAL | 92.52 |  |

Pilot drill bit



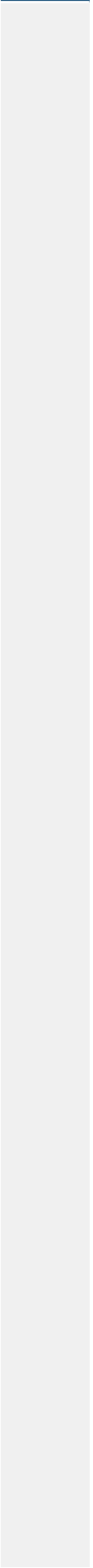
|      |    |     |               |     |   |   |        |     |       |  |
|------|----|-----|---------------|-----|---|---|--------|-----|-------|--|
| 11.5 | 84 | 136 | F 00Y 145 203 | P1c | 1 | 1 | 145664 | GAL | 17.49 |  |
|------|----|-----|---------------|-----|---|---|--------|-----|-------|--|



Fixing set: fixing pin and rubber ring

|   |   |    |               |     |   |   |        |     |      |  |
|---|---|----|---------------|-----|---|---|--------|-----|------|--|
| 5 | - | 25 | F 00Y 145 204 | P0b | 2 | 1 | 145671 | GAL | 2.25 |  |
|---|---|----|---------------|-----|---|---|--------|-----|------|--|











**Accessories**  
for rotary hammers and drills



# Accessories

## for rotary hammers


### Drill bit adapters for drill bits

| Product properties  |                     | Ordering information |                      |               |                        |                    |                |                   |       |
|---|---------------------|----------------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|-------|
| Shank   | For drill bit shank | Part number          | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |       |
|  | SDS-max             | SDS-plus             | <b>1 618 598 159</b> | P1e           | 1                      | 1                  | 033435         | GAT               | 62.29 |
|  | SDS-max             | Large spline         | <b>1 618 598 161</b> | P1e           | 1                      | 1                  | 034548         | GAT               | 99.90 |
|  | SDS-max             | K-Taper              | <b>2 608 598 009</b> | C2h           | 1                      | 1                  | 045407         | GAT               | 37.55 |
|  | Large spline        | SDS-plus             | <b>1 618 598 124</b> | P0h           | 1                      | 1                  | 028981         | GAT               | 62.55 |

### Chuck adapters

|   |          |             |                      |     |   |   |        |     |       |
|---|----------|-------------|----------------------|-----|---|---|--------|-----|-------|
|  | SDS-plus | 1/2"-20 UNF | <b>1 617 000 132</b> | C1c | 1 | 5 | 012584 | GAT | 15.23 |
|  | SDS-max  | 1/2"-20 UNF | <b>2 608 550 036</b> | P0h | 1 | 1 | 034180 | GAT | 33.72 |

### Striking tool SDS-plus for anchors

| Drive/thread  | Shank | Diameter mm | Length mm | Part number          | Packaging type       | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |       |
|---|-------|-------------|-----------|----------------------|----------------------|---------------|------------------------|--------------------|----------------|-------------------|-------|
| Product properties  |       |             |           | Ordering information |                      |               |                        |                    |                |                   |       |
|  | M8    | SDS-plus    | 6.0       | 80                   | <b>1 618 600 007</b> | P0b           | 1                      | 1                  | 074162         | GAT               | 13.11 |
|   | M10   | SDS-plus    | 8.4       | 86                   | <b>1 618 600 008</b> | P0b           | 1                      | 1                  | 057240         | GAT               | 10.40 |

### Flushing heads



Flushing head for dust extraction drill bits with connection hose  
**Appropriate for** GAH 500 DSE; GAH 500 DSR Professional

|   |   |   |   |                      |     |   |   |        |     |       |
|---|---|---|---|----------------------|-----|---|---|--------|-----|-------|
| - | - | - | - | <b>2 607 000 176</b> | P0b | 1 | 1 | 069694 | GAT | 40.77 |
|---|---|---|---|----------------------|-----|---|---|--------|-----|-------|

# Accessories for drills

## Keyless chucks

### Keyless chucks up to 10 mm

| Product properties    |                          |                   |                     |              |                | Ordering information      |              |                   |                      |                |               |                        |                    |                |                   |
|-----------------------|--------------------------|-------------------|---------------------|--------------|----------------|---------------------------|--------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Only for spindle lock | Forward/reverse rotation | Locking mechanism | Bench-mounted drill | Impact drill | Cordless drill | Chuck capacity from to mm | Mount, range | Illustration, No. | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|                       |                          |                   |                     |              | •              | 1 - 6                     | 1/4" - 6k    | 1                 | <b>2 608 572 072</b> | C1a            | 1             | 1                      | 085434             | GAT            | 9.62              |
| •                     |                          |                   |                     |              | •              | 1 - 10                    | 1/4" - 6k    | 2                 | <b>2 608 572 075</b> | C1a            | 1             | 1                      | 085441             | GAT            | 26.05             |
| •                     |                          | •                 |                     | •            | •              | 1 - 10                    | 3/8" - 24    | 4                 | <b>2 608 572 080</b> | C1a            | 1             | 1                      | 092050             | GAT            | 22.45             |
| •                     |                          | •                 |                     | •            | •              | 1 - 10                    | 3/8" - 24    | 4                 | <b>2 608 572 068</b> | C1a            | 1             | 1                      | 092036             | GAT            | 26.05             |
| •                     |                          |                   |                     | •            | •              | 1 - 10                    | 3/8" - 24    | 7                 | <b>2 608 572 183</b> | C1a            | 1             | 1                      | 290982             | GAT            | 25.52             |
| •                     | •                        |                   |                     | •            | •              | 1.5 - 10                  | 1/2" - 20    | 5                 | <b>2 608 572 053</b> | C0a            | 1             | 1                      | 073868             | GAT            | 24.03             |
| •                     | •                        | •                 | •                   | •            | •              | 1 - 10                    | 1/2" - 20    | 8                 | <b>2 608 572 218</b> | C1a            | 1             | 1                      | 348638             | GAT            | 29.05             |



### Keyless chucks up to 16 mm

| Product properties    |                          |                   |                     |              |                | Ordering information      |              |                   |                       |                |               |                        |                    |                |                   |
|-----------------------|--------------------------|-------------------|---------------------|--------------|----------------|---------------------------|--------------|-------------------|-----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Only for spindle lock | Forward/reverse rotation | Locking mechanism | Bench-mounted drill | Impact drill | Cordless drill | Chuck capacity from to mm | Mount, range | Illustration, No. | Part number           | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| •                     | •                        |                   |                     | •            | •              | 2 - 13                    | 3/8" - 24    | 2                 | <b>2 608 572 060</b>  | C1a            | 1             | 1                      | 080255             | GAT            | 35.60             |
|                       |                          | •                 | •                   |              |                | 1 - 13                    | 1/2" - 20    | 1                 | <b>1 608 572 017</b>  | C1a            | 1             | 1                      | 037921             | GAT            | 66.49             |
| •                     | •                        |                   | •                   | •            | •              | 2 - 13                    | 1/2" - 20    | 2                 | <b>2 608 572 062</b>  | C1a            | 1             | 1                      | 082754             | GAT            | 31.06             |
|                       | •                        | •                 | •                   | •            | •              | 2 - 13                    | 1/2" - 20    | 3                 | <b>2 608 572 034</b>  | C1a            | 1             | 1                      | 064682             | GAT            | 34.39             |
| •                     | •                        |                   | •                   | •            | •              | 1.5 - 13                  | 1/2" - 20    | 4                 | <b>2 608 572 105*</b> | C1a            | 1             | 1                      | 111942             | GAT            | 55.64             |
| •                     | •                        |                   |                     | •            | •              | 1.5 - 13                  | 1/2" - 20    | 6                 | <b>2 608 572 182</b>  | C1a            | 1             | 1                      | 250975             | GAT            | 36.42             |
|                       |                          | •                 | •                   |              |                | 3 - 16                    | 5/8" - 16    | 1                 | <b>1 608 572 014*</b> | C0a            | 1             | 1                      | 026147             | GAT            | 98.40             |
| •                     | •                        | •                 | •                   |              |                | 1 - 13                    | B-16         | 5                 | <b>1 608 572 003*</b> | C0a            | 1             | 1                      | 057059             | GAT            | 75.64             |



\* For larger drills and impact drills with 680-1000 watt input

### Keyless chucks with SDS-plus shank



|                          |                   |       |                           |                      |             |                |               |                        |                    |                |                   |
|--------------------------|-------------------|-------|---------------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Forward/reverse rotation | Locking mechanism | Drill | Chuck capacity from to mm | Illustration, No.    | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Product properties       |                   |       |                           | Ordering information |             |                |               |                        |                    |                |                   |

SDS-plus keyless chuck

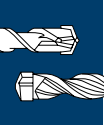
|   |   |          |   |                      |     |   |   |        |     |       |
|---|---|----------|---|----------------------|-----|---|---|--------|-----|-------|
| • | • | 1.5 - 13 | 1 | <b>2 608 572 227</b> | C1a | 1 | 1 | 370073 | GAT | 60.00 |
|---|---|----------|---|----------------------|-----|---|---|--------|-----|-------|

1



# Keyed chucks

## Keyed chucks up to 10 mm



| Replacement key    | Forward/reverse rotation | Locking mechanism | Bench-mounted drill | Drill | Impact drill | Cordless drill | Cordless impact drill | Cordless screwdriver | Chuck capacity from to mm | Mount, range | Illustration, No.    | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|--------------------------|-------------------|---------------------|-------|--------------|----------------|-----------------------|----------------------|---------------------------|--------------|----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                          |                   |                     |       |              |                |                       |                      |                           |              | Ordering information |                      |                |               |                        |                    |                |                   |
| D                  | •                        | •                 |                     |       |              |                |                       |                      | 1 - 10                    | 3/8" - 24    | 1                    | <b>1 608 571 053</b> | C1a            | 1             | 1                      | 002608             | GAT            | 22.71             |
| B                  | •                        |                   | •                   | •     | •            | •              | •                     |                      | 1 - 10                    | 3/8" - 24    | 1                    | <b>1 608 571 058</b> | C1a            | 1             | 1                      | 016506             | GAT            | 15.39             |
| D                  | •                        | •                 | •                   |       |              |                |                       |                      | 1 - 10                    | 1/2" - 20    | 1                    | <b>1 608 571 061</b> | C1a            | 1             | 1                      | 057004             | GAT            | 21.52             |
| F                  | •                        |                   | •                   | •     | •            | •              | •                     |                      | 1 - 10                    | 1/2" - 20    | 1                    | <b>1 608 571 068</b> | C1a            | 1             | 1                      | 010481             | GAT            | 19.14             |

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## Keyed chucks up to 13 mm

| Replacement key    | Forward/reverse rotation | Locking mechanism | Bench-mounted drill | Drill | Impact drill | Chuck capacity from to mm | Mount, range         | Illustration, No. | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|--------------------------|-------------------|---------------------|-------|--------------|---------------------------|----------------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                          |                   |                     |       |              |                           | Ordering information |                   |                      |                |               |                        |                    |                |                   |
| D                  | •                        | •                 | •                   | •     |              | 1.5 - 13                  | 1/2" - 20            | 1                 | <b>1 608 571 062</b> | C1a            | 1             | 1                      | 002639             | GAT            | 19.15             |
| C                  | •                        | •                 | •                   | •     |              | 1.5 - 13                  | 1/2" - 20            | 2                 | <b>1 608 571 045</b> | C1a            | 1             | 1                      | 002592             | GAT            | 33.19             |

### Hammer-resistant version

|   |   |   |  |  |  |          |          |   |                      |     |   |   |        |     |       |
|---|---|---|--|--|--|----------|----------|---|----------------------|-----|---|---|--------|-----|-------|
| D | • | • |  |  |  | 2.5 - 13 | SDS-plus | 3 | <b>1 618 571 014</b> | C1a | 1 | 1 | 006231 | GAT | 63.49 |
|---|---|---|--|--|--|----------|----------|---|----------------------|-----|---|---|--------|-----|-------|

1



2



3



### Keyed chucks up to 16 mm

| Product properties |                          |                   |                     |              | Ordering information      |              |                   |                      |                |               |                        |                    |                |                   |
|--------------------|--------------------------|-------------------|---------------------|--------------|---------------------------|--------------|-------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Replacement key    | Forward/reverse rotation | Locking mechanism | Bench-mounted drill | Impact drill | Chuck capacity from to mm | Mount, range | Illustration, No. | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| A                  | •                        | •                 | •                   | •            | 3 – 16                    | 5/8" – 16    | 2                 | <b>1 608 571 057</b> | C1a            | 1             | 1                      | 026116             | GAT            | 82.84             |
| A                  |                          | •                 | •                   | •            | 3 – 16                    | 5/8" – 16    | 1                 | <b>1 608 571 056</b> | C0a            | 1             | 1                      | 047241             | GAT            | 54.06             |

1



2





# Bosch system chucks

## Bosch system chucks for rotary hammers

| Product properties        | Ordering information   |
|---------------------------|------------------------|
| Mount, range              | Part number            |
| Chuck capacity from to mm | Packaging type         |
|                           | Pack quantity          |
|                           | Minimum order quantity |
|                           | Barcode 3165140...     |
|                           | Discount group         |
|                           | List Price ex vat      |



SDS-plus quick change chuck  
**Appropriate for** GBH 4 DFE; GBH 4 DSC Professional; PBH 300 E

|     |          |               |     |   |   |        |     |       |
|-----|----------|---------------|-----|---|---|--------|-----|-------|
| SDS | SDS-plus | 2 608 572 059 | C0a | 1 | 1 | 077606 | GAT | 42.77 |
|-----|----------|---------------|-----|---|---|--------|-----|-------|



SDS-plus quick change chuck  
**Appropriate for** GBH 2-24 DFR; GBH 24 VFR Professional; PBH 200 FRE; PBH 240 RE

|     |          |               |     |   |   |        |     |       |
|-----|----------|---------------|-----|---|---|--------|-----|-------|
| SDS | SDS-plus | 2 608 572 112 | C1a | 1 | 1 | 144247 | GAT | 22.98 |
|-----|----------|---------------|-----|---|---|--------|-----|-------|



Keyless chuck with adapter  
**Appropriate for** GBH 2-24 DFR; GBH 24 VF; GBH 24 VFR Professional; PBH 200 FRE; PBH 220 RE; PBH 240 RE

|     |          |               |     |   |   |        |     |       |
|-----|----------|---------------|-----|---|---|--------|-----|-------|
| SDS | 1.5 - 13 | 1 617 000 328 | C1a | 1 | 1 | 127608 | GAT | 57.44 |
|-----|----------|---------------|-----|---|---|--------|-----|-------|



SDS-plus keyless chuck  
**Appropriate for** GBH 2-26 DFR; GBH 3-28 DFR; GBH 4-32 DFR; GBH 36 VF-LI Professional

|     |          |               |     |   |   |        |     |       |
|-----|----------|---------------|-----|---|---|--------|-----|-------|
| SDS | SDS-plus | 2 608 572 213 | C0a | 1 | 1 | 336932 | GAT | 48.96 |
|-----|----------|---------------|-----|---|---|--------|-----|-------|



Keyless chuck with adapter  
**Appropriate for** GBH 2-26 DFR; GBH 3-28 DFR; GBH 4-32 DFR; GBH 36 VF-LI Professional

|     |          |               |     |   |   |        |     |       |
|-----|----------|---------------|-----|---|---|--------|-----|-------|
| SDS | 1.5 - 13 | 2 608 572 212 | C0a | 1 | 1 | 336925 | GAT | 79.91 |
|-----|----------|---------------|-----|---|---|--------|-----|-------|



Keyless chuck with adapter  
**Appropriate for** GBH 4-top; GBH 4 DFE; GBH 4 DSC Professional; PBH 300 E

|     |          |               |     |   |   |        |     |       |
|-----|----------|---------------|-----|---|---|--------|-----|-------|
| SDS | 1.5 - 13 | 2 607 001 316 | C1a | 1 | 1 | 184151 | GAT | 72.11 |
|-----|----------|---------------|-----|---|---|--------|-----|-------|



SDS-plus quick change chuck  
**Appropriate for** GBH 3-28 FE Professional

|     |          |               |     |   |   |        |     |        |
|-----|----------|---------------|-----|---|---|--------|-----|--------|
| SDS | SDS-plus | 2 608 572 159 | C1a | 1 | 1 | 251013 | GAT | 109.97 |
|-----|----------|---------------|-----|---|---|--------|-----|--------|

### Bosch system chucks for impact drills



| Mount, range       | Chuck capacity from to mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|---------------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties |                           | Ordering information |                |               |                        |                    |                |                   |

Keyless chuck

**Appropriate for** GSB 650 RE “Press+Lock” Professional; PSB 450; PSB 500; PSB 550 RA; PSB 550 RE; PSB 570; PSB 600; PSB 600-2; PSB 650 RA; PSB 650 RE; PSB 700 RE; PSB 700 RES; PSB 1000 RPE



|           |          |               |     |   |   |        |     |       |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|
| 1/2" - 20 | 1.5 - 13 | 2 608 572 110 | C1a | 1 | 1 | 125956 | GAT | 22.17 |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|

Keyed chuck

Replacement key 1 607 950 045

**Appropriate for** GSB 650 RE “Press+Lock” Professional; PSB 450; PSB 500; PSB 550 RA; PSB 550 RE; PSB 570; PSB 600; PSB 600-2; PSB 650 RA; PSB 700 RE; PSB 700 RES; PSB 750-2 RE; PSB 750-2 RPE “Auto-Lock”; PSB 1000 RPE



|           |          |               |     |   |   |        |     |       |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|
| 1/2" - 20 | 1.5 - 13 | 2 608 571 056 | C1a | 1 | 1 | 125949 | GAT | 14.39 |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|

Keyless chuck, chrome-plated

**Appropriate for** GSB 13 RE; GSB 16; GSB 16 RE; GSB 18-2 RE “Auto-Lock”/“Press+Lock”; GSB 19-2 RE Professional



|           |          |               |     |   |   |        |     |       |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|
| 1/2" - 20 | 1.5 - 13 | 2 608 572 149 | C1a | 1 | 1 | 223416 | GAT | 32.92 |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|

Keyless chuck, chrome-plated

**Appropriate for** GSB 20-2; GSB 20-2 RCE; GSB 20-2 RE; GSB 20-2 RET; GSB 21-2 RE Professional; PSB 850; PSB1000; PSB 1200 “Auto-Lock”



|           |          |               |     |   |   |        |     |       |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|
| 1/2" - 20 | 1.5 - 13 | 2 608 572 150 | C1a | 1 | 1 | 223423 | GAT | 36.23 |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|

Keyed chuck, chrome-plated

Replacement key 1 607 950 045

**Appropriate for** GSB 20-2; GSB 20-2 RCE; GSB 20-2 RE; GSB 20-2 RET; GSB 21-2 RE; GSB 22-2 RCE; GSB 22-2 RE Professional; PSB 850; PSB 1000; PSB 1200 “Auto-Lock”



|           |          |               |     |   |   |        |     |       |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|
| 1/2" - 20 | 1.5 - 13 | 2 608 571 068 | C1a | 1 | 1 | 223409 | GAT | 26.80 |
|-----------|----------|---------------|-----|---|---|--------|-----|-------|

### Bosch system chucks for combis and drill/drivers



**Appropriate for** GSR 10,8 V-LI-2 Professional

|           |        |               |     |   |   |        |     |       |
|-----------|--------|---------------|-----|---|---|--------|-----|-------|
| 1/2" - 20 | 1 - 10 | 2 608 572 257 | C1a | 1 | 1 | 509268 | GAT | 32.05 |
|-----------|--------|---------------|-----|---|---|--------|-----|-------|

### Bosch system chucks for drill/drivers



| Chuck capacity from to mm | Mount, range | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---------------------------|--------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|---------------------------|--------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

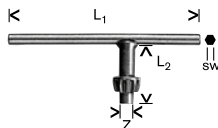
**Product properties**  
 Keyless chuck 1-10 mm  
**Appropriate for** PSB 12 VE-2 to PSB 24 VE-2; PSR 9,6 VE-2 to PSR 18 VE; also for PSR 14,4 Li-2; PSR 18 Li-2

|               |           |                      |     |   |   |        |     |       |
|---------------|-----------|----------------------|-----|---|---|--------|-----|-------|
| <b>1 - 10</b> | 3/8" - 24 | <b>2 608 572 210</b> | C1a | 1 | 1 | 332996 | GAT | 15.91 |
|---------------|-----------|----------------------|-----|---|---|--------|-----|-------|

**Product properties**  
 Keyless chuck 1-10 mm  
 impact-resistant  
**Appropriate for** PSB 12 VE-2; PSB 14,4 VE-2; PSB 18 VE-2; PSB 24 VE-2; PSR 9,6 VE-2 to PSR 18 VE

|               |           |                      |     |   |   |        |     |       |
|---------------|-----------|----------------------|-----|---|---|--------|-----|-------|
| <b>1 - 10</b> | 1/2" - 20 | <b>2 608 572 144</b> | C1a | 1 | 1 | 217590 | GAT | 19.80 |
|---------------|-----------|----------------------|-----|---|---|--------|-----|-------|

### Replacement keys for chucks



| Ref. type | Replacement key, type | Outer length (L1) mm | Key length (L2) mm | Key width (SW) mm | Key diameter (Z) mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|-----------|-----------------------|----------------------|--------------------|-------------------|---------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|-----------|-----------------------|----------------------|--------------------|-------------------|---------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

| Product properties |   |     |    |   |   | Ordering information |     |   |   |        |     |      |
|--------------------|---|-----|----|---|---|----------------------|-----|---|---|--------|-----|------|
| <b>S3</b>          | A | 110 | 50 | 4 | 8 | <b>1 607 950 041</b> | C1d | 1 | 5 | 024556 | GAT | 6.89 |
| <b>ZS14</b>        | B | 60  | 30 | - | 6 | <b>1 607 950 042</b> | C1d | 1 | 5 | 016476 | GAT | 2.97 |
| <b>S2</b>          | C | 110 | 40 | 4 | 6 | <b>1 607 950 044</b> | C1d | 1 | 5 | 002363 | GAT | 5.21 |
| <b>S2</b>          | D | 110 | 40 | - | 6 | <b>1 607 950 045</b> | C1d | 1 | 5 | 002370 | GAT | 3.03 |
| <b>S14</b>         | F | 80  | 30 | 5 | 6 | <b>1 607 950 053</b> | C1d | 1 | 5 | 033480 | GAT | 3.11 |

### Twin-jaw chuck for taper



| Chuck capacity | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|----------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|----------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

**Product properties**  
 Twin-jaw chuck for taper, 1/2"-20 UNF fitting  
**Appropriate for** GGW 10 E Professional

|                 |                      |     |   |   |        |     |       |
|-----------------|----------------------|-----|---|---|--------|-----|-------|
| <b>M3.5-M14</b> | <b>2 608 573 004</b> | C0a | 1 | 1 | 046398 | GAT | 44.37 |
|-----------------|----------------------|-----|---|---|--------|-----|-------|

Twin-jaw chuck for taper, B 12 fitting

|               |                      |     |   |   |        |     |       |
|---------------|----------------------|-----|---|---|--------|-----|-------|
| <b>M5-M12</b> | <b>1 608 573 002</b> | C0a | 1 | 1 | 026161 | GAT | 92.30 |
|---------------|----------------------|-----|---|---|--------|-----|-------|

Twin-jaw chuck for taper, 11 mm hex shank fitting with ball catch groove for thread-cutting

|               |                      |     |   |   |        |     |        |
|---------------|----------------------|-----|---|---|--------|-----|--------|
| <b>M5-M12</b> | <b>1 608 573 003</b> | C0a | 1 | 1 | 057219 | GAT | 158.44 |
|---------------|----------------------|-----|---|---|--------|-----|--------|

### Twin-jaw chuck for taper



| Product properties                 | Ordering information |               |     |   |   |        |     |      |
|------------------------------------|----------------------|---------------|-----|---|---|--------|-----|------|
| Replacement key for twin-jaw chuck |                      |               |     |   |   |        |     |      |
|                                    | -                    | 1 607 950 002 | P0b | 1 | 1 | 024549 | GAT | 8.11 |

### Roller clutch and adapter

- ▶ Recommended for stud bolt cutting
- ▶ Fixed torque can be set from 3 to 10 Nm
- ▶ With B 12 inside taper for fitting on the adapter and B 12 outside taper for fitting the quick change chuck



| Product properties                           | Ordering information |               |     |   |   |        |     |        |
|--|----------------------|---------------|-----|---|---|--------|-----|--------|
| Roller clutch                                |                      |               |     |   |   |        |     |        |
| <b>Appropriate for</b> GGW 10 E Professional |                      |               |     |   |   |        |     |        |
|  |                      | 1 606 407 001 | C0a | 1 | 1 | 024464 | GAT | 490.25 |



|  |  |               |     |   |   |        |     |       |
|--|--|---------------|-----|---|---|--------|-----|-------|
| Adapter for roller clutch 1 606 407 001<br>1/2" thread on B 12 outside taper |  |               |     |   |   |        |     |       |
| <b>Appropriate for</b> GGW 10 E Professional                                 |  |               |     |   |   |        |     |       |
|  |  | 3 603 121 006 | C0a | 1 | 1 | 050333 | GAT | 70.10 |

### Stud chuck with 11 mm hexagonal shank

► For use in the quick change chuck



| Product properties | Ordering information | Drive/thread | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|----------------------|--------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|--------------------|----------------------|--------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

Appropriate for GGW 10 E Professional

|     |               |     |   |   |        |     |        |
|-----|---------------|-----|---|---|--------|-----|--------|
| M6  | 1 608 502 009 | C0a | 1 | 1 | 024662 | GAT | 99.16  |
| M10 | 1 608 502 013 | C0a | 1 | 1 | 024686 | GAT | 200.90 |
| M12 | 1 608 502 021 | C0a | 1 | 1 | 024709 | GAT | 104.97 |

### Angle drill heads



| Product properties | Ordering information | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|--------------------|----------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|

Angle drill head for light rotary hammers with SDS-plus toolholder, spindle collar diameter 43 mm

|  |               |     |   |   |        |     |        |
|--|---------------|-----|---|---|--------|-----|--------|
|  | 1 618 580 000 | C0a | 1 | 1 | 015790 | GAT | 216.24 |
|--|---------------|-----|---|---|--------|-----|--------|

### Needle descaler NA 19



Needle descaler NA 19

Appropriate for GBH 4 DSC Professional

|  |               |     |   |   |        |     |        |
|--|---------------|-----|---|---|--------|-----|--------|
|  | 2 607 018 299 | C0a | 1 | 1 | 112734 | GAT | 273.41 |
|--|---------------|-----|---|---|--------|-----|--------|

Replacement needles for needle descaler NA 19



|  |               |     |    |   |        |     |       |
|--|---------------|-----|----|---|--------|-----|-------|
|  | 2 603 201 022 | C0a | 19 | 1 | 112741 | GAT | 23.43 |
|--|---------------|-----|----|---|--------|-----|-------|

# Stirrer baskets



- ▶ Universal stirring/mixing tools for hand-held stirrers or drills with various makes of chuck mounted shank

## Stirrer baskets for hand-held stirrers, from the bottom upwards

- ▶ **Suitable for** plaster, concrete, mortar, epoxy resin
- ▶ Mixing effect from bottom upwards
- ▶ M14 outer thread



| Product properties                                  |                 |                          |                        | Ordering information |                |               |                        |                    |                |                   |  |
|---|-----------------|--------------------------|------------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter, basket mm                                 | Total length mm | Mixing quantity, from kg | Mixing quantity, to kg | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |
| <b>Appropriate for GRW 9; GRW 11 E Professional</b> |                 |                          |                        |                      |                |               |                        |                    |                |                   |  |
| 120   | 600             | 15                       | 25                     | <b>2 607 990 016</b> | C1d            | 1             | 1                      | 078788             | GAT            | 60.86             |  |
| 140   | 600             | 25                       | 40                     | <b>3 609 201 038</b> | C1d            | 1             | 1                      | 061339             | GAT            | 101.59            |  |
| 160   | 600             | 30                       | 60                     | <b>2 607 990 017</b> | C1d            | 1             | 1                      | 078795             | GAT            | 76.50             |  |

## Stirrer baskets for drills, from the top downwards

- ▶ **Suitable for** emulsion, gloss paint, cement, filler and cement-bonded materials
- ▶ Mixing effect from the top downwards, no splashing
- ▶ M14 outer thread



|   |     |    |    |                      |     |   |   |        |     |       |
|---|-----|----|----|----------------------|-----|---|---|--------|-----|-------|
| <b>Appropriate for GRW 9; GRW 11 E Professional</b> |     |    |    |                      |     |   |   |        |     |       |
| 120   | 600 | 15 | 25 | <b>2 607 990 014</b> | C1d | 1 | 1 | 078771 | GAT | 47.52 |

### Paint mixer for drills

► Suitable for swirling paints, varnishes



| Product properties  |                 |                          |                        | Ordering information |                |               |                        |                    |                |                   |
|---------------------|-----------------|--------------------------|------------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Diameter, basket mm | Total length mm | Mixing quantity, from kg | Mixing quantity, to kg | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Paint mixer with 6 mm straight shank

|    |     |   |   |               |     |   |   |        |     |      |
|----|-----|---|---|---------------|-----|---|---|--------|-----|------|
| 60 | 350 | 1 | 5 | 1 609 200 291 | C1d | 1 | 1 | 004596 | GAT | 4.35 |
|----|-----|---|---|---------------|-----|---|---|--------|-----|------|

### Adapter for stirrer baskets



| Product properties |  | Ordering information |                |               |                        |                    |                |                   |  |  |
|--------------------|--|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|--|
| Length [mm]        |  | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |  |

Adapter for stirrer baskets with 5/8"-16 UN-2a inside thread

|     |  |               |     |   |   |        |     |       |  |  |
|-----|--|---------------|-----|---|---|--------|-----|-------|--|--|
| 215 |  | 3 609 201 037 | C1d | 1 | 1 | 051972 | GAT | 15.80 |  |  |
|-----|--|---------------|-----|---|---|--------|-----|-------|--|--|

Adapter for stirrer baskets with 1/2"-20 UNF inside thread

|    |  |               |     |   |   |        |     |       |  |  |
|----|--|---------------|-----|---|---|--------|-----|-------|--|--|
| 60 |  | 2 607 990 019 | C1d | 1 | 1 | 080538 | GAT | 12.24 |  |  |
|----|--|---------------|-----|---|---|--------|-----|-------|--|--|



# Drill stands and quick-action clamps



- ▶ Robust, stable drill stand for precise work
- ▶ High level of convenience due to quick-adjustment clamp lever

## Drill Stand DP 500

- ▶ **Appropriate for** all drills with spindle collar diameter of 43 mm
- ▶ Variably adjustable depth stop with scale display up to 65 mm
- ▶ Base plate: 220 x 213 mm
- ▶ Column length: 500 mm/Column diameter: 40 mm
- ▶ Working stroke: 65 mm
- ▶ Overhang: 165 mm
- ▶ Capacity: 43 mm
- ▶ Weight: 5 kg



| Product properties | Ordering information |                |               |                        |         |                |                   |
|--------------------|----------------------|----------------|---------------|------------------------|---------|----------------|-------------------|
|                    | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode | Discount group | List Price ex vat |
| Drill Stand DP 500 | 2 608 180 009        | C1a            | 1             | 1                      | 436076  | GAT            | 188.76            |

## Quick-action clamp SC 165

- ▶ **Appropriate for** Drill Stand DP 500
- ▶ For quick fixing of workpieces, such as sheet metals, pipes, profiles
- ▶ Easy operation with one hand
- ▶ Column diameter: 40 mm
- ▶ Overhang: 165 mm
- ▶ Weight: 1 kg



|                           |               |     |   |   |        |     |       |
|---------------------------|---------------|-----|---|---|--------|-----|-------|
| Quick-action clamp SC 165 | 2 608 180 010 | C1a | 1 | 1 | 436083 | GAT | 63.35 |
|---------------------------|---------------|-----|---|---|--------|-----|-------|

# Machine vices, drill holders



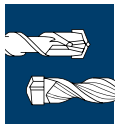
- ▶ Machine vices with ergonomic handles for reliable, quick adjustment and profile jaws
- ▶ For safe working, primarily in ferrous and non-ferrous metals, and a high level of convenience

Easy-to-use quick clamping with MS 65 and MS 80 with ergonomic hollow handle

## Machine vices for industrial use

- ▶ Made of sturdy cast iron, with profiled handles, special guided black chrome plated jaws, quick clamping mechanism

| Product properties    |                  |                |           | Ordering information |                |               |                        |                    |                |                   |
|-----------------------|------------------|----------------|-----------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Slot spacing mm       | Fitting width mm | Jaw opening mm | Weight kg | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
| Machine vice MS 100 G |                  |                |           |                      |                |               |                        |                    |                |                   |
| 135                   | 100              | 100            | 3.560     | 2 608 030 057        | C1d            | 1             | 1                      | 092449             | GAT            | 99.40             |



# Depth stops and handles for drills

## Depth stops

| Product properties | Length mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|-----------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|--------------------|-----------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|



Depth stop  
**Appropriate for** auxiliary handle 1 612 025 024  
 Made of plastic, with scale

|     |               |     |   |   |        |     |      |
|-----|---------------|-----|---|---|--------|-----|------|
| 210 | 1 613 001 005 | P0b | 1 | 1 | 006163 | GAT | 1.41 |
|-----|---------------|-----|---|---|--------|-----|------|



Depth stop  
**Appropriate for** auxiliary handle 1 612 025 032  
 Made of steel, without scale

|     |               |     |   |   |        |     |      |
|-----|---------------|-----|---|---|--------|-----|------|
| 210 | 1 613 001 010 | P0b | 1 | 1 | 068062 | GAT | 2.69 |
|-----|---------------|-----|---|---|--------|-----|------|



Depth stop  
**Appropriate for** auxiliary handle 2 602 025 077 and 2 602 025 062  
 Made of steel, without scale

|     |               |     |   |   |        |     |      |
|-----|---------------|-----|---|---|--------|-----|------|
| 310 | 1 613 001 003 | P0b | 1 | 1 | 027069 | GAT | 3.84 |
|-----|---------------|-----|---|---|--------|-----|------|



Depth stop  
**Appropriate for** auxiliary handle 2 602 025 102  
 Made of plastic, with scale

|     |               |     |   |   |        |     |      |
|-----|---------------|-----|---|---|--------|-----|------|
| 210 | 2 603 001 019 | P0b | 1 | 1 | 144223 | GAT | 2.16 |
|-----|---------------|-----|---|---|--------|-----|------|

## Drill bit sharpener S 41

- ▶ **Appropriate for** drills with spindle collar diameter of 43 mm, optimum speed of 2000 to 3000 rpm
- ▶ For drill bits with diameters of 2.5 mm to 10 mm and point angle of 118°

| Product properties | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|--------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
|--------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|



Drill bit sharpener S 41

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 607 990 050 | C1a | 1 | 1 | 070249 | GAT | 55.78 |
|---------------|-----|---|---|--------|-----|-------|

Replacement grinding disc for drill bit sharpener

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 608 600 029 | C0a | 1 | 1 | 070256 | GAT | 16.47 |
|---------------|-----|---|---|--------|-----|-------|

### Handles – Universal

|                           |  |
|---------------------------|--|
|                           | <i>Part number</i><br><i>Packaging type</i><br><i>Pack quantity</i><br><i>Minimum order quantity</i><br><i>Barcode 3165140...</i><br><i>Discount group</i><br><i>List Price ex vat</i> |
| <b>Product properties</b> | <b>Ordering information</b>  |



Handle – Universal

**Appropriate for** all machines with spindle collar diameter of 43 mm with PowerLight

|  |   |
|--|---|
|  | <b>2 602 025 150</b> P0b 1 1 364683 GAT 15.81 |
|--|---|

### Handles for drills



Handle for drills

**Appropriate for** GBM 13; GBM 13 HRE; GBM 16-2 RE; GRW 11 E; GSB 22-2 RCE Professional

|  |   |
|--|---|
|  | <b>1 612 025 020</b> P0b 1 1 026987 GAT 23.63 |
|--|---|

### Handles for impact drills



Handle for impact drills

**Appropriate for** GBH 2-23 RE; GBH 2-24; GBH 24 V; GBH 24 VF; GBH 24 VFR; GBH 24 VRE; GBN 2 SE/SR; GSB 16 RE; GSB 18-2; GSB 18-2 RE; GSB 20-2; GSB 20-2 RCE; GSB 20-2 RE; GSB 20-2 RET; GSB 22; GSB 22-2 RCE; GSB 22-2 RE Professional; PBH 20

|  |   |
|--|---|
|  | <b>2 602 025 120</b> P0b 1 1 266734 GAT 13.21 |
|--|---|



Handle for impact drills

**Appropriate for** GBH 2 C; GBH 2-18 E; GBH 2-18 RE Professional; PSB 14,4 V-i; PSB 500; PSB 500-2; PSB 500 RE; PSB 530 RE; PSB 550 RA; PSB 550 RE; PSB 570; PSB 570 RE; PSB 580 RE; PSB 600; PSB 600 RE; PSB 600 RES; PSB 600 RPE; PSB 600-2; PSB 650 RA; PSB 650 RE; PSB 650 RPE; PSB 700 RE; PSB 700 RES; PSB 730-2 RPE; PSB 750; PSB 850; PSB 1000; PSB 1000 RPE; PSB 1200; PSB 6500 RE

|  |  |
|--|--|
|  | <b>2 602 025 102</b> P0b 1 1 144216 GAT 9.82 |
|--|--|



Handle for impact drills, capacity of 58.5 mm

**Appropriate for** GSB (0 601 994 ...); GSR (0 601 993 ...) Professional

|  |  |
|--|--|
|  | <b>2 602 025 169</b> P0b 1 1 437615 GAT 7.01 |
|--|--|



Handle for impact drills

**Appropriate for** GSB 16 RE; GSB 19-2 RE; GSB 19-2 REA Professional

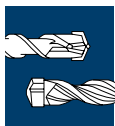
|  |  |
|--|--|
|  | <b>2 602 025 190</b> P0b 1 1 521987 GAT 5.95 |
|--|--|



Handle for impact drills

**Appropriate for** GSB 21-2 RE; GSB 21-2 RCT Professional

|  |   |
|--|---|
|  | <b>2 602 025 193</b> P0b 1 1 543828 GAT 11.22 |
|--|---|



## Handles for rotary hammers

| Product properties | Ordering information   |
|--------------------|------------------------|
|                    | Part number            |
|                    | Packaging type         |
|                    | Pack quantity          |
|                    | Minimum order quantity |
|                    | Barcode 3165140...     |
|                    | Discount group         |
|                    | List Price ex vat      |

Handle for rotary hammers

**Appropriate for** GBH 4-top; GBH 4 DFE; GBH 4 DSC Professional; PBH 300 E

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 077 | P0b | 1 | 1 | 076678 | GAT | 25.79 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GAH 500 DSR; GBM 13 HRE Professional

|               |     |   |   |        |     |      |
|---------------|-----|---|---|--------|-----|------|
| 1 612 025 032 | P0b | 1 | 1 | 027014 | GAT | 9.21 |
|---------------|-----|---|---|--------|-----|------|

Handle for rotary hammers

**Appropriate for** GBH 10 DC; GBH 11 DE Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 086 | P0b | 1 | 1 | 084697 | GAT | 28.26 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GSH 10 C; GSH 11 E Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 076 | P0b | 1 | 1 | 072380 | GAT | 26.67 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GBH 5-40 DCE; GBH 8 DCE; GBH 38 Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 062 | P0b | 1 | 1 | 042482 | GAT | 38.00 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GSH 4; GSH 5 ... Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 063 | P0b | 1 | 1 | 042499 | GAT | 32.48 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GSH 5 CE; GSH 388 Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 142 | P0b | 1 | 1 | 336949 | GAT | 32.21 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GBH 7 DE; GBH 7-46 DE Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 103 | P0b | 1 | 1 | 167178 | GAT | 34.09 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GBH 3-28 DFR (3 611 B4A 0..) and GBH 3-28 DRE (3 611 B3A 0..) Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 191 | P0b | 1 | 1 | 522519 | GAT | 15.06 |
|---------------|-----|---|---|--------|-----|-------|

Handle for rotary hammers

**Appropriate for** GBH 3-28; GBH 3-28 E; GBH 3-28 FE Professional

|               |     |   |   |        |     |       |
|---------------|-----|---|---|--------|-----|-------|
| 2 602 025 112 | P0b | 1 | 1 | 217651 | GAT | 12.79 |
|---------------|-----|---|---|--------|-----|-------|

## Handles for rotary hammers

| Product properties | Ordering information   |
|--------------------|--|
|                    | Part number<br>Packaging type<br>Pack quantity<br>Minimum order quantity<br>Barcode<br>3165140...<br>Discount group<br>List Price ex vat |



Handle for rotary hammers

**Appropriate for** GSH 5; GBH 5-38; GBH 5-40; GBH 5-40 DC; GSH 388 Professional

|                      |     |   |   |        |     |      |
|----------------------|-----|---|---|--------|-----|------|
| <b>2 602 025 117</b> | P0b | 1 | 1 | 251037 | GAT | 9.76 |
|----------------------|-----|---|---|--------|-----|------|



Handle for rotary hammers

**Appropriate for** GBH 2-20 D; GBH 2-26 DBR; GBH 2-26 DE; GBH 2-26 DFR; GBH 2-26 DRE; GBH 2-26 E; GBH 2-26 RE; GBH 2-26; GBH 2-28 D; GBH 2-28 DFR; GBH 2-28 DV; GBH 18 V-LI; GBH 36 V-LI Professional

|                      |     |   |   |        |     |      |
|----------------------|-----|---|---|--------|-----|------|
| <b>2 602 025 141</b> | P0b | 1 | 1 | 334068 | GAT | 8.62 |
|----------------------|-----|---|---|--------|-----|------|



Handle

**Appropriate for** GBH 4-32 DFR Professional

|                      |     |   |   |        |     |       |
|----------------------|-----|---|---|--------|-----|-------|
| <b>2 602 025 176</b> | P0f | 1 | 1 | 466585 | GAT | 11.22 |
|----------------------|-----|---|---|--------|-----|-------|

## Drilling angle controller



Vertical drilling aid

for accurate right-angle drilling. Use in combination with universal handle 2 608 025 120

|                      |     |   |   |        |     |       |
|----------------------|-----|---|---|--------|-----|-------|
| <b>1 608 190 006</b> | P1d | 1 | 1 | 002554 | GAT | 49.42 |
|----------------------|-----|---|---|--------|-----|-------|

# Routing accessories for drills



► Flexible drives and freehand router bits for reworking on wood, plastics, iron and non-ferrous metals

Routing with flexible drive in tight spaces

## Freehand router bits

| Product properties |                      |                       | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|----------------------|-----------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Diameter (D) mm    | Total length (L2) mm | Shank diameter (d) mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



3-piece freehand router bit set  
**Suitable for** wood and non-ferrous metals  
 3-piece set with shapes: round, cylindrical, conical  
 Recommended speed: 1000 to 3000 rpm

|      |    |   |               |      |   |   |        |     |       |
|------|----|---|---------------|------|---|---|--------|-----|-------|
| 16   | 60 | 6 | 1 609 200 307 | PC1a | 1 | 1 | 004602 | GAT | 11.80 |
| 16   | 65 |   |               |      |   |   |        |     |       |
| 16-7 | 48 |   |               |      |   |   |        |     |       |



4-piece freehand router bit set  
**Suitable for** iron, wood and non-ferrous metals  
 4-piece set with shapes: concave, conical, cylindrical, round  
 Recommended speed: 1000 to 2000 rpm

|    |    |   |               |      |   |   |        |     |       |
|----|----|---|---------------|------|---|---|--------|-----|-------|
| 13 | 56 | 6 | 1 609 200 314 | PC1a | 1 | 1 | 004619 | GAT | 16.08 |
| 13 | 56 |   |               |      |   |   |        |     |       |
| 13 | 56 |   |               |      |   |   |        |     |       |
| 13 | 56 |   |               |      |   |   |        |     |       |

Sanding accessories for drills can be found in the Sanding and Polishing chapter on P. 461.  
 Sanding and polishing accessories can be found in the Sanding and Polishing chapter on P. 462.





# Chiselling

[Back](#)

## 100% Bosch:

the new flat chisel SDS-max RTec Sharp and the new pointed chisel SDS-max RTec Speed



The particularly long, self-sharpening cutting edge has been further optimised:

- ▶ For even more material removal in even less time
- ▶ For an unchanged high material removal rate over the entire lifetime
- ▶ For efficient working without downtimes and without time-consuming resharpener

**Increased power output**

100h 0h

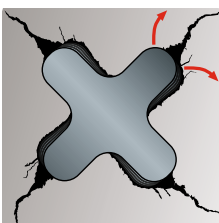
- ▶ No jamming
- ▶ Lifetime of 100 hours
- ▶ 30% higher material removal rate than standard pointed chisels

**Double material removal rate**

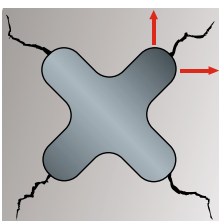
50h 0h

- ▶ 100% longer lifetime of the new self-sharpening cutting edge. Therefore removes twice as much material

**High blast power**

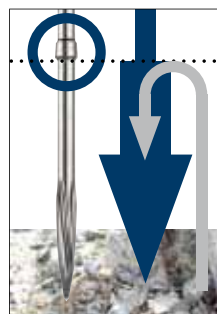


Bosch RTec Speed



Star Point

**Additional impact energy**



- ▶ The patented reflection element increases the power output: the recoil energy is converted into additional impact energy
- ▶ For even more material removal

# The right chisel

## for any application

Bosch is a strong partner for specialist retailers thanks to its innovative, high-quality tools for working in concrete. With many years of experience in production, state-of-the-art manufacturing technologies and continual development work, Bosch stands for high quality with a power of innovation.

What's more, Bosch offers the perfect solution for every application: chisels for all conventional shanks and all brands of rotary and demolition hammer. This gives specialist retailers an impressive alternative to the chisels offered in direct distribution.



### SDS-plus for hammers < 5 joules

For renovating and restoring

Page 183

| Type  | Application  |
|---|--|
| Pointed chisel<br>Flat chisel (targeted chiselling) | Adjustment work in masonry and concrete<br>Restoring joints<br>Clearing reinforcements                         |
| Spade chisel 40 and 60 mm                           | Removing roughcasting and layers of dirt<br>Removing concrete residues from formwork boards<br>Restoring steel |
| Tile chisel   | Removing wall and floor tiles  |
| Hollow gouging chisel                               | Cutting narrow channels in concrete  |
| Winged gouging chisel with channel depth control    | Cutting channels in masonry  |
| Pointing chisel                                     | Repointing bricks  |
| Wood chisel   | For general carpentry work   |



### SDS-max for hammers < 25 joules

For renovation, restoration, breakthroughs, mortising and demolition work

Page 185

| Type  | Application   |
|---|---|
| Pointed chisel<br>Flat chisel (targeted chiselling) | Mortising and demolition work in masonry and concrete<br>Adjustment work in masonry and concrete<br>Restoring joints<br>Clearing reinforcements |
| Spade chisel 50 to 115 mm                           | Removing roughcasting and layers of dirt<br>Removing concrete residues from formwork boards<br>Restoring steel                                  |
| Tile chisel   | Removing wall and floor tiles   |
| Hollow gouging chisel                               | Cutting narrow channels in concrete   |
| Gouging chisel                                      | Cutting channels in masonry   |
| Winged gouging chisel with channel depth control    | Cutting channels in masonry   |
| Pointing chisel                                     | Repointing bricks   |
| Excavation chisel                                   | Digging in hard, compacted soil   |

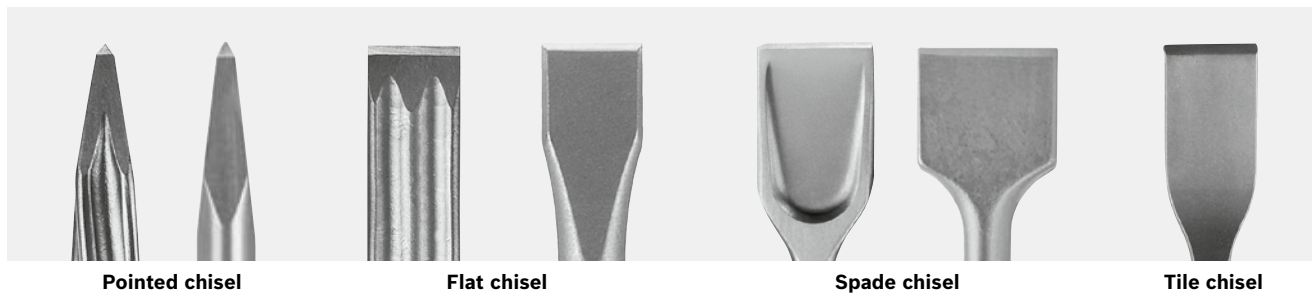
| Type              | Application                      |
|-------------------|----------------------------------|
| Asphalt cutter    | Restoration of asphalt coverings |
| Earth rod driver  | Driving in earth rods            |
| Tamping plates    | Compacting soil and gravel       |
| Bush hammer heads | Roughing up concrete and asphalt |

### Hex shank (HEX) 28 and 30 mm for hammers > 25 joules

For breakthroughs, mortising and demolition work

Page 188-189

| Type  | Application  |
|---|--|
| Pointed chisel<br>Flat chisel (targeted chiselling) | Mortising and demolition work in masonry and concrete<br>Restoring joints<br>Clearing reinforcements |
| Spade chisel  | Adjustment work in asphalt, masonry and concrete   |
| Excavation chisel                                   | Digging in hard, compacted soil  |
| Asphalt cutter                                      | Restoration of asphalt coverings   |
| Earth rod driver                                    | Driving in earth rods  |
| Tamping plates                                      | Compacting soil and gravel   |



Pointed chisel

Flat chisel

Spade chisel

Tile chisel



Hollow gouging chisel

Gouging chisel

Winged gouging chisel

Pointing chisel

Wood chisel



Excavation chisel

Asphalt cutter

Earth rod driver

Tamping plate

Bush hammer head



# Bosch offers the right chisel

for every conventional rotary and demolition hammer



| Supplier of rotary and demolition hammers | Machine model |
|---|---------------|
|---|---------------|

| <b>Hexagonal shank KW 19 with turned down collar</b> |   | <b>Page 187</b> |
|--|---|-----------------|
| AEG  | PH 240 D, PH 350, PH 350 D, PHD 26, PH 38, PHD 38                               |                 |
| Atlas Copco  | PB 10 H, PH 5 H, PH 11 H, PHE 50 H  |                 |
| Black & Decker                                       | HD 2032, HD 2038  |                 |
| Bosch  | 11206, 11208, 11209, 11306, UBH 6/35, UBH 6/35 D, UBH 12/50, USH 6, GBH 7/45 DE |                 |
| ELU  | BH 41 K, BH 41 EK, BH 46 EK   |                 |
| Hitachi  | DH 38 YF, DH 38 YA, DH 50 SB, DH 40 FA/FB                                       |                 |
| Kango  | 430 S, 501 S, 637 S, 950 S, 950 KS, 950 XS, 978 S                               |                 |
| Makita   | HR 3850 B, HR 3520 B, HR 4040 C, HR 5000, HM 0810 B, HM 1242 C, HM 1140 C       |                 |
| Milwaukee  | 5311, 5312, 5316, 5317, 5347, 5348, 5352, 5353, PH 11 H, PH 40 H                |                 |
| RYOBI  | CH 465, 1138  |                 |



| <b>Hexagonal shank KW 19</b> |   | <b>Page 187</b> |
|------------------------------|---|-----------------|
| Atlas Copco                  | PB 14 D                                     |                 |
| Bosch                        | USH 10 (11305), HSH 10 (12312)              |                 |
| Casals                       | Tornado                                     |                 |
| DeWalt                       | DW 558 K                                    |                 |
| ELU                          | SH 60 K                                     |                 |
| Hitachi                      | DH 50 SH 1                                  |                 |
| Kango                        | 638 S, 900 B, 900 S, 900 KS, 900 XS, 1400 B |                 |
| Makita                       | HM 1200 B                                   |                 |
| Milwaukee                    | 5335  |                 |
| RYOBI                        | CH 486 K                                    |                 |
| Spit                         | 400   |                 |



| <b>Hexagonal shank KW 28</b> |   | <b>Page 188</b> |
|------------------------------|---|-----------------|
| Atlas Copco                  | PB 32 B   |                 |
| Bosch                        | USH 27, GSH 16, GSH 27                          |                 |
| Hitachi                      | H 65 SD, H 70 SD, H 90 SE                       |                 |
| Makita                       | HM 1303 B, HM 1304 B, HM 1800, HM 1801, HM 1810 |                 |
















| <b>Hexagonal shank KW 30</b> |   | <b>Page 189</b> |
|------------------------------|---|-----------------|
| Bosch                        | GSH 16-30   |                 |
| Hitachi                      | H 65 SB, H 65 SB 2, H 70 SA                         |                 |
| Makita                       | HM 1300, HM 1303, HM 1304, HM 1400, HM 1500, 8900 N |                 |
| RYOBI                        | CH-500 K  |                 |





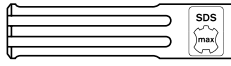
### Chisels with SDS-plus shank

| Product properties  |                                      | Ordering information |                |               |                        |                    |                |                   |       |
|---|--------------------------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|-------|
| Total length mm   | Chisel cutting edge mm               | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |       |
| <b>Pointed chisel</b>   |                                      |                      |                |               |                        |                    |                |                   |       |
|                  | 140                                  | -                    | 2 608 690 176  | P1e           | 1                      | 1                  | 608398         | GAC               | 10,12 |
|   | 250                                  | -                    | 2 608 690 145  | P1e           | 1                      | 1                  | 506489         | GAC               | 9,18  |
|   | 250                                  | -                    | 2 608 690 132  | U0            | 10                     | 1                  | 462792         | GAC               | 77,50 |
| <b>Pointed chisel for rotary hammers without rotation stop</b>                                    |                                      |                      |                |               |                        |                    |                |                   |       |
|                  | 250                                  | -                    | 1 618 600 005  | P1e           | 1                      | 1                  | 006347         | GAC               | 25,66 |
| <b>Flat chisel</b>  |                                      |                      |                |               |                        |                    |                |                   |       |
|                  | 140                                  | 20                   | 2 608 690 177  | P1e           | 1                      | 1                  | 608404         | GAC               | 10,12 |
|   | 250                                  | 20                   | 2 608 690 144  | P1e           | 1                      | 1                  | 506472         | GAC               | 9,18  |
|   | 250                                  | 20                   | 2 608 690 131  | U0            | 10                     | 1                  | 462785         | GAC               | 77,50 |
| <b>Spade chisel</b>   |                                      |                      |                |               |                        |                    |                |                   |       |
|                  | 140                                  | 40                   | 2 608 690 178  | P1e           | 1                      | 1                  | 608411         | GAC               | 20,31 |
|   | 250                                  | 40                   | 2 608 690 146  | P1e           | 1                      | 1                  | 506496         | GAC               | 18,43 |
|   | 250                                  | 40                   | 2 608 690 133  | U0            | 5                      | 1                  | 462808         | GAC               | 52,50 |
| <b>3-piece chisel set</b>   |                                      |                      |                |               |                        |                    |                |                   |       |
|                | 1 pointed chisel 140 mm (2608690176) |                      |                |               |                        |                    |                |                   |       |
|                | 1 flat chisel 140 mm (2608690177)    |                      |                |               |                        |                    |                |                   |       |
|                | 1 spade chisel 140 mm (2608690178)   |                      |                |               |                        |                    |                |                   |       |
|   | 140                                  | -                    | 2 608 690 180  | P1e           | 3                      | 1                  | 610681         | GAC               | 40,30 |
|   | 140                                  | 20                   |                |               |                        |                    |                |                   |       |
|   | 140                                  | 40                   |                |               |                        |                    |                |                   |       |
| <b>Hollow gouging chisel</b>  |                                      |                      |                |               |                        |                    |                |                   |       |
|                | 250                                  | 22                   | 1 618 601 004  | P1e           | 1                      | 1                  | 015844         | GAC               | 26,40 |
| <b>Winged gouging chisel/Gouging chisel</b>   |                                      |                      |                |               |                        |                    |                |                   |       |
|                | 250                                  | 22                   | 2 608 690 007  | P1e           | 1                      | 1                  | 086738         | GAC               | 36,81 |
| <b>Pointing chisel, carbide-tipped</b>  |                                      |                      |                |               |                        |                    |                |                   |       |
|                | 130                                  | 32                   | 1 608 690 014  | P1e           | 1                      | 1                  | 045803         | GAC               | 86,23 |
|   | 200                                  | 32                   | 1 608 690 015  | P1e           | 1                      | 1                  | 045810         | GAC               | 91,86 |
| <b>Wood chisel</b>  |                                      |                      |                |               |                        |                    |                |                   |       |
|                | 175                                  | 20                   | 2 608 690 006  | P1e           | 1                      | 1                  | 086721         | GAC               | 22,74 |
| <b>Nail driver, 13 mm dia.</b>  |                                      |                      |                |               |                        |                    |                |                   |       |
|                | 58                                   | -                    | 2 608 690 010  | P1e           | 1                      | 1                  | 086769         | GAC               | 14,43 |
| <b>Chisel attachment MV 200 for Bosch hammers with SDS-plus holder, without Vario-Lock system</b> |                                      |                      |                |               |                        |                    |                |                   |       |
|                | -                                    | -                    | 2 607 018 296  | P1e           | 1                      | 1                  | 081276         | GAT               | 59,71 |

# Chisels

## for heavy rotary and demolition hammers

### Chisels with SDS-max shank



| Product properties |                        |               |                 | Ordering information |                |               |                        |                    |                |                   |
|--------------------|------------------------|---------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Total length mm    | Chisel cutting edge mm | Dimensions mm | Number of teeth | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |

Pointed chisel RTec Speed, self-sharpening with 30% higher material removal rate



|     |   |   |   |                      |     |    |   |        |     |        |
|-----|---|---|---|----------------------|-----|----|---|--------|-----|--------|
| 400 | - | - | - | <b>2 608 690 167</b> | P1e | 1  | 1 | 533621 | GAC | 18,11  |
| 400 | - | - | - | <b>2 608 690 168</b> | C0a | 10 | 1 | 533638 | GAC | 163,20 |

Flat chisel RTec Sharp, self-sharpening, Long Life with 100% higher material removal rate



|     |    |   |   |                      |     |    |   |        |     |        |
|-----|----|---|---|----------------------|-----|----|---|--------|-----|--------|
| 400 | 25 | - | - | <b>2 608 690 124</b> | P1e | 1  | 1 | 460385 | GAC | 18,11  |
| 400 | 25 | - | - | <b>2 608 690 166</b> | C0a | 10 | 1 | 530200 | GAC | 163,20 |

Spade chisel, self-sharpening, Long Life with 30% higher material removal rate



|     |    |   |   |                      |     |   |   |        |     |        |
|-----|----|---|---|----------------------|-----|---|---|--------|-----|--------|
| 350 | 50 | - | - | <b>2 608 690 097</b> | P1e | 1 | 2 | 397315 | GAC | 22,27  |
| 350 | 50 | - | - | <b>2 608 690 099</b> | C0a | 5 | 1 | 402996 | GAC | 103,59 |

Tile chisel, self-sharpening, Long Life with 30% higher material removal rate



|     |    |   |   |                      |     |   |   |        |     |        |
|-----|----|---|---|----------------------|-----|---|---|--------|-----|--------|
| 300 | 50 | - | - | <b>2 608 690 098</b> | P1e | 1 | 1 | 397322 | GAC | 29,31  |
| 300 | 50 | - | - | <b>2 608 690 100</b> | C0a | 5 | 1 | 403009 | GAC | 136,32 |

Pointed chisel



|     |   |   |   |                      |     |    |   |        |     |       |
|-----|---|---|---|----------------------|-----|----|---|--------|-----|-------|
| 280 | - | - | - | <b>1 618 600 023</b> | P1e | 1  | 1 | 047272 | GAC | 11,30 |
| 280 | - | - | - | <b>2 608 690 130</b> | U0  | 10 | 1 | 462778 | GAC | 78,75 |
| 400 | - | - | - | <b>2 608 690 142</b> | P1e | 1  | 1 | 506458 | GAC | 12,50 |
| 400 | - | - | - | <b>2 608 690 128</b> | U0  | 10 | 1 | 462754 | GAC | 78,75 |
| 600 | - | - | - | <b>1 618 600 012</b> | P1e | 1  | 1 | 022118 | GAC | 17,79 |
| 600 | - | - | - | <b>2 608 690 129</b> | U0  | 5  | 1 | 462761 | GAC | 67,50 |

Flat chisel








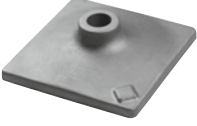
|     |    |   |   |                      |     |    |   |        |     |       |
|-----|----|---|---|----------------------|-----|----|---|--------|-----|-------|
| 280 | 25 | - | - | <b>1 618 600 210</b> | P1e | 1  | 1 | 047296 | GAC | 11,30 |
| 280 | 25 | - | - | <b>2 608 690 127</b> | U0  | 10 | 1 | 462747 | GAC | 78,75 |
| 400 | 25 | - | - | <b>2 608 690 141</b> | P1e | 1  | 1 | 506441 | GAC | 12,50 |
| 400 | 25 | - | - | <b>2 608 690 125</b> | U0  | 10 | 1 | 462723 | GAC | 78,75 |
| 600 | 25 | - | - | <b>1 618 600 203</b> | P1e | 1  | 1 | 022132 | GAC | 17,79 |
| 600 | 25 | - | - | <b>2 608 690 126</b> | U0  | 5  | 1 | 462730 | GAC | 67,50 |

Spade chisel



|     |     |   |   |                      |     |   |   |        |     |       |
|-----|-----|---|---|----------------------|-----|---|---|--------|-----|-------|
| 400 | 50  | - | - | <b>2 608 690 143</b> | P1e | 1 | 1 | 506465 | GAC | 24,68 |
| 400 | 50  | - | - | <b>2 608 587 184</b> | U0  | 5 | 1 | 605786 | GAC | 98,73 |
| 300 | 80  | - | - | <b>1 618 601 008</b> | P1e | 1 | 1 | 033398 | GAC | 25,32 |
| 350 | 115 | - | - | <b>1 618 601 007</b> | P1e | 1 | 1 | 022156 | GAC | 50,63 |

## Chisels with SDS-max shank

|   | Total length mm                                     | Chisel cutting edge mm | Dimensions mm | Number of teeth | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |
|---|---|------------------------|---------------|-----------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|
| Product properties  |   |                        |               |                 | Ordering information |                |               |                        |                    |                |                   |
|    | Tile chisel   |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>300</b>  | 80  | -                      | -             | -               | <b>1 618 601 019</b> | P1e            | 1             | 1                      | 052979             | GAC            | 43,74             |
|    | Hollow gouging chisel                               |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>300</b>  | 26  | -                      | -             | -               | <b>1 618 601 101</b> | P1e            | 1             | 1                      | 022163             | GAC            | 25,19             |
|    | Gouging chisel                                      |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>300</b>  | 32  | -                      | -             | -               | <b>1 618 601 102</b> | P1e            | 1             | 1                      | 022170             | GAC            | 32,13             |
|    | Winged gouging chisel                               |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>380</b>  | 35  | -                      | -             | -               | <b>2 608 690 000</b> | P1e            | 1             | 1                      | 069380             | GAC            | 73,53             |
|    | Pointing chisel, carbide-tipped                     |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>280</b>  | 38  | -                      | -             | -               | <b>2 607 990 010</b> | P1e            | 1             | 1                      | 058414             | GAC            | 95,59             |
|  | Toothed chisel                                      |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>300</b>  | 32  | -                      | -             | -               | <b>1 618 601 302</b> | P1e            | 1             | 1                      | 022194             | GAC            | 23,73             |
|  | Excavation chisel                                   |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>400</b>  | 110   | -                      | -             | -               | <b>1 618 601 017</b> | P1e            | 1             | 1                      | 049283             | GAC            | 72,33             |
|  | Asphalt cutter                                      |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>400</b>  | 90  | -                      | -             | -               | <b>2 608 690 003</b> | P1e            | 1             | 1                      | 079761             | GAC            | 72,00             |
|  | Earth rod driver                                    |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>260</b>  | 13  | -                      | -             | -               | <b>2 608 690 004</b> | P1e            | 1             | 1                      | 079778             | GAC            | 56,74             |
| <b>260</b>  | 16.5  | -                      | -             | -               | <b>2 608 690 005</b> | P1e            | 1             | 1                      | 079785             | GAC            | 61,22             |
|  | Tamping plate for toolholder 1 618 609 003          |                        |               |                 |                      |                |               |                        |                    |                |                   |
| -   | -   | 120 x 120              | -             | -               | <b>1 618 633 101</b> | PC1c           | 1             | 1                      | 029339             | GAC            | 52,48             |
| -   | -   | 150 x 150              | -             | -               | <b>1 618 633 102</b> | PC1c           | 1             | 1                      | 029346             | GAC            | 91,83             |
|  | Bush hammer head for toolholder 1 618 609 003       |                        |               |                 |                      |                |               |                        |                    |                |                   |
| -   | -   | 60 x 60                | 5 x 5         | -               | <b>1 618 623 205</b> | PC1c           | 1             | 1                      | 029025             | GAC            | 46,52             |
| -   | -   | 60 x 60                | 7 x 7         | -               | <b>1 618 623 206</b> | PC1c           | 1             | 1                      | 029032             | GAC            | 46,52             |
|  | Tungsten carbide bush hammer head                   |                        |               |                 |                      |                |               |                        |                    |                |                   |
| -   | -   | 60 x 60                | 50 x 50       | -               | <b>2 608 690 179</b> | PC1c           | 1             | 1                      | 608428             | GAC            | 173,70            |
|  | Toolholder for tamping plates and bush hammer heads |                        |               |                 |                      |                |               |                        |                    |                |                   |
| <b>220</b>  | -   | -                      | -             | -               | <b>1 618 609 003</b> | P1e            | 1             | 1                      | 022200             | GAC            | 25,30             |

### Chisels with 19 mm hex shank with turned down collar (dia. 17 mm)



| Product properties |                        | Ordering information |                |               |                        |                    |                |                   |  |
|--------------------|------------------------|----------------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Total length mm    | Chisel cutting edge mm | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |



|                |   |               |     |   |   |        |     |       |  |
|----------------|---|---------------|-----|---|---|--------|-----|-------|--|
| Pointed chisel |   |               |     |   |   |        |     |       |  |
| 400            | - | 1 618 630 002 | P0b | 1 | 1 | 029063 | GAC | 18,43 |  |



|             |    |               |     |   |   |        |     |       |  |
|-------------|----|---------------|-----|---|---|--------|-----|-------|--|
| Flat chisel |    |               |     |   |   |        |     |       |  |
| 400         | 22 | 1 618 630 003 | P0b | 1 | 1 | 029070 | GAC | 18,43 |  |



|              |    |               |     |   |   |        |     |       |  |
|--------------|----|---------------|-----|---|---|--------|-----|-------|--|
| Spade chisel |    |               |     |   |   |        |     |       |  |
| 400          | 50 | 1 618 630 007 | P0b | 1 | 1 | 029117 | GAC | 34,99 |  |

### Chisels with 19 mm hex shank



|                |   |               |     |   |   |        |     |       |  |
|----------------|---|---------------|-----|---|---|--------|-----|-------|--|
| Pointed chisel |   |               |     |   |   |        |     |       |  |
| 300            | - | 1 618 630 000 | P0b | 1 | 1 | 029049 | GAC | 14,69 |  |
| 400            | - | 1 618 630 001 | P0b | 1 | 1 | 029056 | GAC | 15,93 |  |



|             |    |               |     |   |   |        |     |       |  |
|-------------|----|---------------|-----|---|---|--------|-----|-------|--|
| Flat chisel |    |               |     |   |   |        |     |       |  |
| 300         | 25 | 1 618 630 200 | P0b | 1 | 1 | 029193 | GAC | 14,69 |  |
| 400         | 25 | 1 618 630 201 | P0b | 1 | 1 | 029209 | GAC | 15,93 |  |



|              |    |               |     |   |   |        |     |       |  |
|--------------|----|---------------|-----|---|---|--------|-----|-------|--|
| Spade chisel |    |               |     |   |   |        |     |       |  |
| 450          | 60 | 1 618 631 001 | P0b | 1 | 1 | 029247 | GAC | 38,74 |  |

# Chisels

## for breakers

### Chisels with 28 mm hex shank



| Product properties |               | Ordering information   |             |                |               |                        |                    |                |                   |  |
|--------------------|---------------|------------------------|-------------|----------------|---------------|------------------------|--------------------|----------------|-------------------|--|
| Total length mm    | Dimensions mm | Chisel cutting edge mm | Part number | Packaging type | Pack quantity | Minimum order quantity | Barcode 3165140... | Discount group | List Price ex vat |  |

#### Pointed chisel, self-sharpening



|     |   |   |                      |    |   |   |        |     |       |
|-----|---|---|----------------------|----|---|---|--------|-----|-------|
| 400 | - | - | <b>2 608 690 106</b> | U0 | 1 | 1 | 425995 | GAC | 37,18 |
|-----|---|---|----------------------|----|---|---|--------|-----|-------|

#### Pointed chisel



|     |   |   |                      |    |   |   |        |     |       |
|-----|---|---|----------------------|----|---|---|--------|-----|-------|
| 400 | - | - | <b>1 618 660 000</b> | U0 | 1 | 1 | 029407 | GAC | 32,18 |
| 520 | - | - | <b>1 618 600 019</b> | U0 | 1 | 1 | 042543 | GAC | 32,18 |

#### Flat chisel



|     |   |    |                      |    |   |   |        |     |       |
|-----|---|----|----------------------|----|---|---|--------|-----|-------|
| 400 | - | 35 | <b>2 608 690 108</b> | U0 | 1 | 1 | 426015 | GAC | 32,18 |
| 520 | - | 35 | <b>1 618 600 206</b> | U0 | 1 | 1 | 042550 | GAC | 32,18 |

#### Spade chisel



|     |   |    |                      |    |   |   |        |     |       |
|-----|---|----|----------------------|----|---|---|--------|-----|-------|
| 400 | - | 80 | <b>1 618 661 000</b> | U0 | 1 | 1 | 029414 | GAC | 58,55 |
|-----|---|----|----------------------|----|---|---|--------|-----|-------|

#### Asphalt cutter



|     |   |     |                      |    |   |   |        |     |       |
|-----|---|-----|----------------------|----|---|---|--------|-----|-------|
| 500 | - | 125 | <b>1 618 601 011</b> | U0 | 1 | 1 | 042574 | GAC | 93,93 |
|-----|---|-----|----------------------|----|---|---|--------|-----|-------|

#### Spade chisel rounded



|     |   |     |                      |    |   |   |        |     |        |
|-----|---|-----|----------------------|----|---|---|--------|-----|--------|
| 400 | - | 135 | <b>1 618 662 000</b> | U0 | 1 | 1 | 029421 | GAC | 124,34 |
|-----|---|-----|----------------------|----|---|---|--------|-----|--------|

#### Earth rod driver for hammering in rods and rings up to 1" (25.4 mm) head diameter



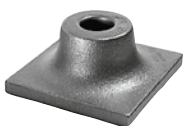
|     |   |   |                      |    |   |   |        |     |        |
|-----|---|---|----------------------|----|---|---|--------|-----|--------|
| 300 | - | - | <b>1 618 609 005</b> | U0 | 1 | 1 | 042604 | GAC | 124,34 |
|-----|---|---|----------------------|----|---|---|--------|-----|--------|

#### Toolholder for tamping plates



|     |   |   |                      |    |   |   |        |     |        |
|-----|---|---|----------------------|----|---|---|--------|-----|--------|
| 390 | - | - | <b>1 618 609 006</b> | U0 | 1 | 1 | 042611 | GAC | 124,34 |
|-----|---|---|----------------------|----|---|---|--------|-----|--------|

#### Tamping plate for toolholder 1 618 609 006 or 2 608 690 115 for compressing soil with a work surface of 225 cm<sup>2</sup> (1 618 633 104) or 400 cm<sup>2</sup> (1 618 633 105)



|   |                  |   |                      |     |   |   |        |     |        |
|---|------------------|---|----------------------|-----|---|---|--------|-----|--------|
| - | <b>150 x 150</b> | - | <b>1 618 633 104</b> | C0a | 1 | 1 | 042628 | GAC | 199,32 |
| - | <b>200 x 200</b> | - | <b>1 618 633 105</b> | C0a | 1 | 1 | 042635 | GAC | 261,80 |

#### Transport cart Appropriate for USH/GSH 27 Professional



|   |   |   |                      |     |   |   |        |     |        |
|---|---|---|----------------------|-----|---|---|--------|-----|--------|
| - | - | - | <b>1 610 795 007</b> | C0a | 1 | 1 | 042642 | GAT | 125,24 |
|---|---|---|----------------------|-----|---|---|--------|-----|--------|

**Chisels with 30 mm hex shank**



| Product properties |               |                        |  | Ordering information |                |               |                        |                      |                |                   |
|--------------------|---------------|------------------------|--|----------------------|----------------|---------------|------------------------|----------------------|----------------|-------------------|
| Total length mm    | Dimensions mm | Chisel cutting edge mm |  | Part number          | Packaging type | Pack quantity | Minimum order quantity | Barcode 31 651 40... | Discount group | List Price ex vat |

Pointed chisel, self-sharpening



|     |   |   |               |    |   |   |        |     |       |
|-----|---|---|---------------|----|---|---|--------|-----|-------|
| 400 | - | - | 2 608 690 111 | U0 | 1 | 1 | 426046 | GAC | 39,68 |
|-----|---|---|---------------|----|---|---|--------|-----|-------|

Flat chisel



|     |   |    |               |    |   |   |        |     |       |
|-----|---|----|---------------|----|---|---|--------|-----|-------|
| 400 | - | 35 | 2 608 690 112 | U0 | 1 | 1 | 426053 | GAC | 39,68 |
|-----|---|----|---------------|----|---|---|--------|-----|-------|

Spade chisel



|     |   |    |               |    |   |   |        |     |       |
|-----|---|----|---------------|----|---|---|--------|-----|-------|
| 450 | - | 75 | 2 608 690 113 | U0 | 1 | 1 | 426060 | GAC | 88,73 |
|-----|---|----|---------------|----|---|---|--------|-----|-------|

Asphalt cutter



|     |   |     |               |    |   |   |        |     |        |
|-----|---|-----|---------------|----|---|---|--------|-----|--------|
| 450 | - | 125 | 2 608 690 114 | U0 | 1 | 1 | 426077 | GAC | 149,34 |
|-----|---|-----|---------------|----|---|---|--------|-----|--------|

Spade chisel, rounded

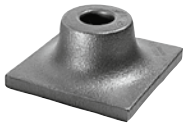
|     |   |     |               |    |   |   |        |     |        |
|-----|---|-----|---------------|----|---|---|--------|-----|--------|
| 400 | - | 135 | 2 608 690 110 | U0 | 1 | 1 | 426039 | GAC | 161,83 |
|-----|---|-----|---------------|----|---|---|--------|-----|--------|

Toolholder for tamping plates



|     |   |   |               |    |   |   |        |     |        |
|-----|---|---|---------------|----|---|---|--------|-----|--------|
| 400 | - | - | 2 608 690 115 | U0 | 1 | 1 | 426084 | GAC | 149,34 |
|-----|---|---|---------------|----|---|---|--------|-----|--------|

Tamping plate for toolholder 1 618 609 006 or 2 608 690 115  
for compressing soil with a work surface of 225 cm<sup>2</sup> (1 618 633 104) or 400 cm<sup>2</sup> (1 618 633 105)



|   |           |   |               |     |   |   |        |     |        |
|---|-----------|---|---------------|-----|---|---|--------|-----|--------|
| - | 150 x 150 | - | 1 618 633 104 | C0a | 1 | 1 | 042628 | GAC | 199,32 |
| - | 200 x 200 | - | 1 618 633 105 | C0a | 1 | 1 | 042635 | GAC | 261,80 |