



01



02



03



04



05



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BREMEN / ALEMANIA  
FUNDADO 1832



CALIDAD  
100% ALEMANA

2024



# KRAFT BOHRER



## La Marca Alemana

Kraft Bohrer es una marca de la empresa **LOUIS DELIUS**, fundada en 1832 en la ciudad de Bremen, al norte de Alemania y donde se encontraba uno de los puertos de mayor importancia de Europa, hoy en día LOUIS DELIUS, es una empresa manejada bajo las exigencias de las garantías alemanas, de la mano de profesionales que entienden la industria de herramientas, materiales de construcción y productos de ferretería y con décadas de experiencia en los mercados de latinoamericanos.

Nuestras líneas de productos principales incluyen accesorios para perforar, atornillar, cortar, desbastar, serrar y lijar, las cuales ofrecemos desde oficinas propias, en Alemania, China, Singapur, Sudáfrica o Panamá, con representantes en todos los países de Latinoamérica y con un amplio catálogo de productos.

Los productos que ofrecemos, cuentan con una certificación de su fabricación, amparadas bajo normas alemanas y con sus respectivos estrictos controles de calidad, los cuales nos impulsan continuamente a tener entre nuestro surtido de productos, las mejores innovaciones del sector para ofrecer en el mercado.

El éxito de nuestras ventas y servicio está en la exclusividad de esta marca de renombre que ofrecemos en la región latinoamericana, colocando a Kraft Bohrer como la marca alemana de brocas para profesionales que más se ajusta a las necesidades del consumidor industrial actual.

# ICON LEGEND & DESCRIPTION

|                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESTÁNDAR                                                                                                 |  Estándar<br>Standard<br>338                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PRODUCT MATERIAL                                                                                         |  Acero<br>Rápido  Acero<br>Carbono  Cobalto  Acero<br>S2  High<br>Carbon<br>Steel  CERATIZIT<br>Tip                                                                  |
|                                                                                                          |  Diamante  Bi-metal  Spring<br>Steel  Chrome<br>Vanadium<br>Steel  Zinc<br>Alloy  Bearing<br>Steel                                                                   |
|                                                                                                          |  Polyvinyl<br>Chloride  Carbon<br>Tool<br>Steel  Stainless<br>Steel  Polyurethane                                                                                                                                                                                                                                                          |
| FORMA DE LA PUNTA<br> |  118° Punta Estándar  135° Split point  Punta<br>Multi-caras  Cross<br>Head                                                                                                                                                                                                                                                            |
|                                                                                                          |  Thread<br>Angle  Thread<br>Angle                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| VÁSTAGO                                                                                                  |  1/4" Hex<br>shank  3/8" Hex<br>shank  SDS-plus<br>shank  T-shank  U-shank  6mm<br>round<br>shank      |
| TYPE                                                                                                     |  Phillips  Pozidriv  Slotted  Torx  Brad point  3 points<br>with<br>chisel                                                                               |
|                                                                                                          |  Round  Square  Tri-angle  Flat  Half round  Metric                                                                                                      |
|                                                                                                          |  Thread  Thread  Thread  Thread  Thread                                                                                                                                                                                                       |
|                                                                                                          |  Straight<br>cut  Curve<br>cut                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MATERIALES APTOS PARA TRABAJAR                                                                           |  Metal  Non-<br>ferrous<br>metals  Stainless<br>steel  Rusty<br>metal  Madera  Plasterboard                                                              |
|                                                                                                          |  Plywood  Ladrillo  Ceramic<br>tile  Masonry  Concrete  Aerated<br>concrete<br>block                                                                     |
|                                                                                                          |  Tile  Marble  Glass  Metal &<br>Wood  PVC<br>plastic  Paint  Stone |

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Brocas para Metal



Broca para Metal Negra - Blister

- La broca más popular para perforar acero, metales blandos ( aluminio, cobre, latón y bronce) y metales no ferrosos.
- El cuerpo pulido ayuda en el flujo de virutas y crea una imagen profesional.
- Fabricado en acero rápido.
- Roladas.



| Art No.     | Ø mm | L mm | S.P.Q. pc |
|-------------|------|------|-----------|
| K1532-010-B | 1.0  | 34   | 2         |
| K1532-015-B | 1.5  | 40   | 2         |
| K1532-020-B | 2.0  | 49   | 2         |
| K1532-025-B | 2.5  | 57   | 2         |
| K1532-030-B | 3.0  | 61   | 2         |
| K1532-032-B | 3.2  | 65   | 1         |
| K1532-035-B | 3.5  | 70   | 1         |
| K1532-040-B | 4.0  | 75   | 1         |
| K1532-042-B | 4.2  | 75   | 1         |
| K1532-045-B | 4.5  | 80   | 1         |
| K1532-048-B | 4.8  | 86   | 1         |
| K1532-050-B | 5.0  | 86   | 1         |
| K1532-055-B | 5.5  | 93   | 1         |
| K1532-060-B | 6.0  | 93   | 1         |
| K1532-065-B | 6.5  | 101  | 1         |
| K1532-070-B | 7.0  | 109  | 1         |
| K1532-075-B | 7.5  | 109  | 1         |
| K1532-080-B | 8.0  | 117  | 1         |
| K1532-085-B | 8.5  | 117  | 1         |
| K1532-090-B | 9.0  | 125  | 1         |
| K1532-095-B | 9.5  | 125  | 1         |
| K1532-100-B | 10.0 | 133  | 1         |
| K1532-105-B | 10.5 | 133  | 1         |
| K1532-110-B | 11.0 | 142  | 1         |
| K1532-115-B | 11.5 | 142  | 1         |
| K1532-120-B | 12.0 | 151  | 1         |
| K1532-125-B | 12.5 | 151  | 1         |
| K1532-130-B | 13.0 | 151  | 1         |

| Art No.     | Ø inch | L mm | S.P.Q. pc |
|-------------|--------|------|-----------|
| K1532-Z04-B | 1/16   | 43   | 2         |
| K1532-Z05-B | 5/64   | 49   | 2         |
| K1532-Z06-B | 3/32   | 57   | 2         |
| K1532-Z07-B | 7/64   | 61   | 2         |
| K1532-Z08-B | 1/8    | 65   | 1         |
| K1532-Z09-B | 9/64   | 70   | 1         |
| K1532-Z10-B | 5/32   | 75   | 1         |
| K1532-Z11-B | 11/64  | 80   | 1         |
| K1532-Z12-B | 3/16   | 86   | 1         |
| K1532-Z13-B | 13/64  | 86   | 1         |
| K1532-Z14-B | 7/32   | 93   | 1         |
| K1532-Z15-B | 15/64  | 93   | 1         |
| K1532-Z16-B | 1/4    | 101  | 1         |
| K1532-Z17-B | 17/64  | 109  | 1         |
| K1532-Z18-B | 9/32   | 109  | 1         |
| K1532-Z19-B | 19/64  | 117  | 1         |
| K1532-Z20-B | 5/16   | 117  | 1         |
| K1532-Z21-B | 21/64  | 117  | 1         |
| K1532-Z22-B | 11/32  | 125  | 1         |
| K1532-Z23-B | 23/64  | 125  | 1         |
| K1532-Z24-B | 3/8    | 133  | 1         |
| K1532-Z25-B | 25/64  | 133  | 1         |
| K1532-Z26-B | 13/32  | 133  | 1         |
| K1532-Z27-B | 27/64  | 142  | 1         |
| K1532-Z28-B | 7/16   | 142  | 1         |
| K1532-Z29-B | 29/64  | 142  | 1         |
| K1532-Z30-B | 15/32  | 151  | 1         |
| K1532-Z31-B | 31/64  | 151  | 1         |
| K1532-Z32-B | 1/2    | 151  | 1         |

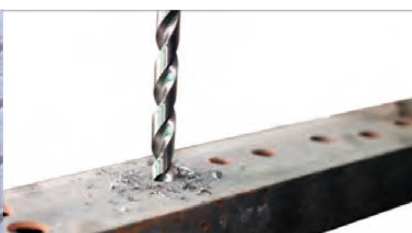
Broca para Metal Negra - Juego

- La broca más popular para perforar acero, metales blandos ( aluminio, cobre, latón y bronce) y metales no ferrosos.
- El cuerpo pulido ayuda en el flujo de virutas y crea una imagen profesional.
- Fabricado en acero rápido.
- Roladas.



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1532-010 | 1.0  | 34   | 10        |
| K1532-015 | 1.5  | 40   | 10        |
| K1532-020 | 2.0  | 49   | 10        |
| K1532-025 | 2.5  | 57   | 10        |
| K1532-030 | 3.0  | 61   | 10        |
| K1532-032 | 3.2  | 65   | 10        |
| K1532-035 | 3.5  | 70   | 10        |
| K1532-040 | 4.0  | 75   | 10        |
| K1532-042 | 4.2  | 75   | 10        |
| K1532-045 | 4.5  | 80   | 10        |
| K1532-048 | 4.8  | 86   | 10        |
| K1532-050 | 5.0  | 86   | 10        |
| K1532-055 | 5.5  | 93   | 10        |
| K1532-060 | 6.0  | 93   | 10        |
| K1532-065 | 6.5  | 101  | 10        |
| K1532-070 | 7.0  | 109  | 10        |
| K1532-075 | 7.5  | 109  | 10        |
| K1532-080 | 8.0  | 117  | 10        |
| K1532-085 | 8.5  | 117  | 10        |
| K1532-090 | 9.0  | 125  | 10        |
| K1532-095 | 9.5  | 125  | 10        |
| K1532-100 | 10.0 | 133  | 5         |
| K1532-105 | 10.5 | 133  | 5         |
| K1532-110 | 11.0 | 142  | 5         |
| K1532-115 | 11.5 | 142  | 5         |
| K1532-120 | 12.0 | 151  | 5         |
| K1532-125 | 12.5 | 151  | 5         |
| K1532-130 | 13.0 | 151  | 5         |

| Art No.   | Ø inch | L mm | S.P.Q. pc |
|-----------|--------|------|-----------|
| K1532-Z04 | 1/16   | 43   | 10        |
| K1532-Z05 | 5/64   | 49   | 10        |
| K1532-Z06 | 3/32   | 57   | 10        |
| K1532-Z07 | 7/64   | 61   | 10        |
| K1532-Z08 | 1/8    | 65   | 10        |
| K1532-Z09 | 9/64   | 70   | 10        |
| K1532-Z10 | 5/32   | 75   | 10        |
| K1532-Z11 | 11/64  | 80   | 10        |
| K1532-Z12 | 3/16   | 86   | 10        |
| K1532-Z13 | 13/64  | 86   | 10        |
| K1532-Z14 | 7/32   | 93   | 10        |
| K1532-Z15 | 15/64  | 93   | 10        |
| K1532-Z16 | 1/4    | 101  | 10        |
| K1532-Z17 | 17/64  | 109  | 10        |
| K1532-Z18 | 9/32   | 109  | 10        |
| K1532-Z19 | 19/64  | 117  | 10        |
| K1532-Z20 | 5/16   | 117  | 10        |
| K1532-Z21 | 21/64  | 117  | 10        |
| K1532-Z22 | 11/32  | 125  | 10        |
| K1532-Z23 | 23/64  | 125  | 10        |
| K1532-Z24 | 3/8    | 133  | 10        |
| K1532-Z25 | 25/64  | 133  | 5         |
| K1532-Z26 | 13/32  | 133  | 5         |
| K1532-Z27 | 27/64  | 142  | 5         |
| K1532-Z28 | 7/16   | 142  | 5         |
| K1532-Z29 | 29/64  | 142  | 5         |
| K1532-Z30 | 15/32  | 151  | 5         |
| K1532-Z31 | 31/64  | 151  | 5         |
| K1532-Z32 | 1/2    | 151  | 5         |



## Brocas para Metal

### Broca para Metal Blanca - Blister

- La broca más popular para perforar acero, metales blandos (aluminio, cobre, latón y bronce) y metales no ferrosos.
- El cuerpo pulido ayuda en el flujo de virutas y crea una imagen profesional.
- Fabricado en acero rápido.
- Rectificadas.



| Art No.     | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-------------|---------|---------|--------------|
| K1530-010-B | 1.0     | 34      | 2            |
| K1530-015-B | 1.5     | 40      | 2            |
| K1530-020-B | 2.0     | 49      | 2            |
| K1530-025-B | 2.5     | 57      | 2            |
| K1530-030-B | 3.0     | 61      | 2            |
| K1530-032-B | 3.2     | 65      | 1            |
| K1530-035-B | 3.5     | 70      | 1            |
| K1530-040-B | 4.0     | 75      | 1            |
| K1530-042-B | 4.2     | 75      | 1            |
| K1530-045-B | 4.5     | 80      | 1            |
| K1530-048-B | 4.8     | 86      | 1            |
| K1530-050-B | 5.0     | 86      | 1            |
| K1530-055-B | 5.5     | 93      | 1            |
| K1530-060-B | 6.0     | 93      | 1            |
| K1530-065-B | 6.5     | 101     | 1            |
| K1530-070-B | 7.0     | 109     | 1            |
| K1530-075-B | 7.5     | 109     | 1            |
| K1530-080-B | 8.0     | 117     | 1            |
| K1530-085-B | 8.5     | 117     | 1            |
| K1530-090-B | 9.0     | 125     | 1            |
| K1530-095-B | 9.5     | 125     | 1            |
| K1530-100-B | 10.0    | 133     | 1            |
| K1530-105-B | 10.5    | 133     | 1            |
| K1530-110-B | 11.0    | 142     | 1            |
| K1530-115-B | 11.5    | 142     | 1            |
| K1530-120-B | 12.0    | 151     | 1            |
| K1530-125-B | 12.5    | 151     | 1            |
| K1530-130-B | 13.0    | 151     | 1            |

| Art No.     | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|-------------|-----------|---------|--------------|
| K1530-Z04-B | 1/16      | 43      | 2            |
| K1530-Z05-B | 5/64      | 49      | 2            |
| K1530-Z06-B | 3/32      | 57      | 2            |
| K1530-Z07-B | 7/64      | 61      | 2            |
| K1530-Z08-B | 1/8       | 65      | 1            |
| K1530-Z09-B | 9/64      | 70      | 1            |
| K1530-Z10-B | 5/32      | 75      | 1            |
| K1530-Z11-B | 11/64     | 80      | 1            |
| K1530-Z12-B | 3/16      | 86      | 1            |
| K1530-Z13-B | 13/64     | 86      | 1            |
| K1530-Z14-B | 7/32      | 93      | 1            |
| K1530-Z15-B | 15/64     | 93      | 1            |
| K1530-Z16-B | 1/4       | 101     | 1            |
| K1530-Z17-B | 17/64     | 109     | 1            |
| K1530-Z18-B | 9/32      | 109     | 1            |
| K1530-Z19-B | 19/64     | 117     | 1            |
| K1530-Z20-B | 5/16      | 117     | 1            |
| K1530-Z21-B | 21/64     | 117     | 1            |
| K1530-Z22-B | 11/32     | 125     | 1            |
| K1530-Z23-B | 23/64     | 125     | 1            |
| K1530-Z24-B | 3/8       | 133     | 1            |
| K1530-Z25-B | 25/64     | 133     | 1            |
| K1530-Z26-B | 13/32     | 133     | 1            |
| K1530-Z27-B | 27/64     | 142     | 1            |
| K1530-Z28-B | 7/16      | 142     | 1            |
| K1530-Z29-B | 29/64     | 142     | 1            |
| K1530-Z30-B | 15/32     | 151     | 1            |
| K1530-Z31-B | 31/64     | 151     | 1            |
| K1530-Z32-B | 1/2       | 151     | 1            |

### Broca para Metal Blanca - Juego

- La broca más popular para perforar acero, metales blandos (aluminio, cobre, latón y bronce) y metales no ferrosos.
- El cuerpo pulido ayuda en el flujo de virutas y crea una imagen profesional.
- Fabricado en acero rápido.
- Rectificadas.



| Art No.   | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-----------|---------|---------|--------------|
| K1530-010 | 1.0     | 34      | 10           |
| K1530-015 | 1.5     | 40      | 10           |
| K1530-020 | 2.0     | 49      | 10           |
| K1530-025 | 2.5     | 57      | 10           |
| K1530-030 | 3.0     | 61      | 10           |
| K1530-032 | 3.2     | 65      | 10           |
| K1530-035 | 3.5     | 70      | 10           |
| K1530-040 | 4.0     | 75      | 10           |
| K1530-042 | 4.2     | 75      | 10           |
| K1530-045 | 4.5     | 80      | 10           |
| K1530-048 | 4.8     | 86      | 10           |
| K1530-050 | 5.0     | 86      | 10           |
| K1530-055 | 5.5     | 93      | 10           |
| K1530-060 | 6.0     | 93      | 10           |
| K1530-065 | 6.5     | 101     | 10           |
| K1530-070 | 7.0     | 109     | 10           |
| K1530-075 | 7.5     | 109     | 10           |
| K1530-080 | 8.0     | 117     | 10           |
| K1530-085 | 8.5     | 117     | 10           |
| K1530-090 | 9.0     | 125     | 10           |
| K1530-095 | 9.5     | 125     | 10           |
| K1530-100 | 10.0    | 133     | 5            |
| K1530-105 | 10.5    | 133     | 5            |
| K1530-110 | 11.0    | 142     | 5            |
| K1530-115 | 11.5    | 142     | 5            |
| K1530-120 | 12.0    | 151     | 5            |
| K1530-125 | 12.5    | 151     | 5            |
| K1530-130 | 13.0    | 151     | 5            |

| Art No.   | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|-----------|-----------|---------|--------------|
| K1530-Z04 | 1/16      | 43      | 10           |
| K1530-Z05 | 5/64      | 49      | 10           |
| K1530-Z06 | 3/32      | 57      | 10           |
| K1530-Z07 | 7/64      | 61      | 10           |
| K1530-Z08 | 1/8       | 65      | 10           |
| K1530-Z09 | 9/64      | 70      | 10           |
| K1530-Z10 | 5/32      | 75      | 10           |
| K1530-Z11 | 11/64     | 80      | 10           |
| K1530-Z12 | 3/16      | 86      | 10           |
| K1530-Z13 | 13/64     | 86      | 10           |
| K1530-Z14 | 7/32      | 93      | 10           |
| K1530-Z15 | 15/64     | 93      | 10           |
| K1530-Z16 | 1/4       | 101     | 10           |
| K1530-Z17 | 17/64     | 109     | 10           |
| K1530-Z18 | 9/32      | 109     | 10           |
| K1530-Z19 | 19/64     | 117     | 10           |
| K1530-Z20 | 5/16      | 117     | 10           |
| K1530-Z21 | 21/64     | 117     | 10           |
| K1530-Z22 | 11/32     | 125     | 10           |
| K1530-Z23 | 23/64     | 125     | 10           |
| K1530-Z24 | 3/8       | 133     | 10           |
| K1530-Z25 | 25/64     | 133     | 5            |
| K1530-Z26 | 13/32     | 133     | 5            |
| K1530-Z27 | 27/64     | 142     | 5            |
| K1530-Z28 | 7/16      | 142     | 5            |
| K1530-Z29 | 29/64     | 142     | 5            |
| K1530-Z30 | 15/32     | 151     | 5            |
| K1530-Z31 | 31/64     | 151     | 5            |
| K1530-Z32 | 1/2       | 151     | 5            |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

Brocas para Metal



Broca de Titanio - Blister

- Revestimiento de nitruro de titanio que reduce la fricción y la acumulación de calor, permitiendo el aumento de las velocidades de mecanizado en un 25 a 35%.
- Vida útil de la herramienta de hasta 3 veces más que las brocas estándar.
- El cuerpo pulido ayuda en el flujo de virutas y crea una imagen profesional.
- Fabricado en acero rápido.



| Art No.     | ∅ mm | L mm | S.P.Q. pc |
|-------------|------|------|-----------|
| K1536-010-B | 1.0  | 34   | 2         |
| K1536-015-B | 1.5  | 40   | 2         |
| K1536-020-B | 2.0  | 49   | 2         |
| K1536-025-B | 2.5  | 57   | 2         |
| K1536-030-B | 3.0  | 61   | 2         |
| K1536-032-B | 3.2  | 65   | 1         |
| K1536-035-B | 3.5  | 70   | 1         |
| K1536-040-B | 4.0  | 75   | 1         |
| K1536-042-B | 4.2  | 75   | 1         |
| K1536-045-B | 4.5  | 80   | 1         |
| K1536-048-B | 4.8  | 86   | 1         |
| K1536-050-B | 5.0  | 86   | 1         |
| K1536-055-B | 5.5  | 93   | 1         |
| K1536-060-B | 6.0  | 93   | 1         |
| K1536-065-B | 6.5  | 101  | 1         |
| K1536-070-B | 7.0  | 109  | 1         |
| K1536-075-B | 7.5  | 109  | 1         |
| K1536-080-B | 8.0  | 117  | 1         |
| K1536-085-B | 8.5  | 117  | 1         |
| K1536-090-B | 9.0  | 125  | 1         |
| K1536-095-B | 9.5  | 125  | 1         |
| K1536-100-B | 10.0 | 133  | 1         |
| K1536-105-B | 10.5 | 133  | 1         |
| K1536-110-B | 11.0 | 142  | 1         |
| K1536-115-B | 11.5 | 142  | 1         |
| K1536-120-B | 12.0 | 151  | 1         |
| K1536-125-B | 12.5 | 151  | 1         |
| K1536-130-B | 13.0 | 151  | 1         |

| Art No.     | ∅ inch | L mm | S.P.Q. pc |
|-------------|--------|------|-----------|
| K1536-Z04-B | 1/16   | 43   | 2         |
| K1536-Z05-B | 5/64   | 49   | 2         |
| K1536-Z06-B | 3/32   | 57   | 2         |
| K1536-Z07-B | 7/64   | 61   | 2         |
| K1536-Z08-B | 1/8    | 65   | 1         |
| K1536-Z09-B | 9/64   | 70   | 1         |
| K1536-Z10-B | 5/32   | 75   | 1         |
| K1536-Z11-B | 11/64  | 80   | 1         |
| K1536-Z12-B | 3/16   | 86   | 1         |
| K1536-Z13-B | 13/64  | 86   | 1         |
| K1536-Z14-B | 7/32   | 93   | 1         |
| K1536-Z15-B | 15/64  | 93   | 1         |
| K1536-Z16-B | 1/4    | 101  | 1         |
| K1536-Z17-B | 17/64  | 109  | 1         |
| K1536-Z18-B | 9/32   | 109  | 1         |
| K1536-Z19-B | 19/64  | 117  | 1         |
| K1536-Z20-B | 5/16   | 117  | 1         |
| K1536-Z21-B | 21/64  | 117  | 1         |
| K1536-Z22-B | 11/32  | 125  | 1         |
| K1536-Z23-B | 23/64  | 125  | 1         |
| K1536-Z24-B | 3/8    | 133  | 1         |
| K1536-Z25-B | 25/64  | 133  | 1         |
| K1536-Z26-B | 13/32  | 133  | 1         |
| K1536-Z27-B | 27/64  | 142  | 1         |
| K1536-Z28-B | 7/16   | 142  | 1         |
| K1536-Z29-B | 29/64  | 142  | 1         |
| K1536-Z30-B | 15/32  | 151  | 1         |
| K1536-Z31-B | 31/64  | 151  | 1         |
| K1536-Z32-B | 1/2    | 151  | 1         |

Broca de Titanio - Juego

- Revestimiento de nitruro de titanio que reduce la fricción y la acumulación de calor, permitiendo el aumento de las velocidades de mecanizado en un 25 a 35%.
- Vida útil de la herramienta de hasta 3 veces más que las brocas estándar.
- El cuerpo pulido ayuda en el flujo de virutas y crea una imagen profesional.
- Fabricado en acero rápido.



| Art No.   | ∅ mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1536-010 | 1.0  | 34   | 10        |
| K1536-015 | 1.5  | 40   | 10        |
| K1536-020 | 2.0  | 49   | 10        |
| K1536-025 | 2.5  | 57   | 10        |
| K1536-030 | 3.0  | 61   | 10        |
| K1536-032 | 3.2  | 65   | 10        |
| K1536-035 | 3.5  | 70   | 10        |
| K1536-040 | 4.0  | 75   | 10        |
| K1536-042 | 4.2  | 75   | 10        |
| K1536-045 | 4.5  | 80   | 10        |
| K1536-048 | 4.8  | 86   | 10        |
| K1536-050 | 5.0  | 86   | 10        |
| K1536-055 | 5.5  | 93   | 10        |
| K1536-060 | 6.0  | 93   | 10        |
| K1536-065 | 6.5  | 101  | 10        |
| K1536-070 | 7.0  | 109  | 10        |
| K1536-075 | 7.5  | 109  | 10        |
| K1536-080 | 8.0  | 117  | 10        |
| K1536-085 | 8.5  | 117  | 10        |
| K1536-090 | 9.0  | 125  | 10        |
| K1536-095 | 9.5  | 125  | 10        |
| K1536-100 | 10.0 | 133  | 5         |
| K1536-105 | 10.5 | 133  | 5         |
| K1536-110 | 11.0 | 142  | 5         |
| K1536-115 | 11.5 | 142  | 5         |
| K1536-120 | 12.0 | 151  | 5         |
| K1536-125 | 12.5 | 151  | 5         |
| K1536-130 | 13.0 | 151  | 5         |

| Art No.   | ∅ inch | L mm | S.P.Q. pc |
|-----------|--------|------|-----------|
| K1536-Z04 | 1/16   | 43   | 10        |
| K1536-Z05 | 5/64   | 49   | 10        |
| K1536-Z06 | 3/32   | 57   | 10        |
| K1536-Z07 | 7/64   | 61   | 10        |
| K1536-Z08 | 1/8    | 65   | 10        |
| K1536-Z09 | 9/64   | 70   | 10        |
| K1536-Z10 | 5/32   | 75   | 10        |
| K1536-Z11 | 11/64  | 80   | 10        |
| K1536-Z12 | 3/16   | 86   | 10        |
| K1536-Z13 | 13/64  | 86   | 10        |
| K1536-Z14 | 7/32   | 93   | 10        |
| K1536-Z15 | 15/64  | 93   | 10        |
| K1536-Z16 | 1/4    | 101  | 10        |
| K1536-Z17 | 17/64  | 109  | 10        |
| K1536-Z18 | 9/32   | 109  | 10        |
| K1536-Z19 | 19/64  | 117  | 10        |
| K1536-Z20 | 5/16   | 117  | 10        |
| K1536-Z21 | 21/64  | 117  | 10        |
| K1536-Z22 | 11/32  | 125  | 10        |
| K1536-Z23 | 23/64  | 125  | 10        |
| K1536-Z24 | 3/8    | 133  | 10        |
| K1536-Z25 | 25/64  | 133  | 5         |
| K1536-Z26 | 13/32  | 133  | 5         |
| K1536-Z27 | 27/64  | 142  | 5         |
| K1536-Z28 | 7/16   | 142  | 5         |
| K1536-Z29 | 29/64  | 142  | 5         |
| K1536-Z30 | 15/32  | 151  | 5         |
| K1536-Z31 | 31/64  | 151  | 5         |
| K1536-Z32 | 1/2    | 151  | 5         |



## Brocas para Metal

### Broca para Metal Bicolor - Blister

- Broca helicoidal de acero de corte rápido de alto rendimiento según DIN 338, laminada por rodillo, cilíndrica, de corte a la derecha, tipo N
- Afilado de superficie cónica de 135°, tolerancia de diámetro h8
- Bicolor, Oro/Negro
- Adecuada para taladrar acero, metales NF, fundición de acero aleado y sin alear
- Hasta 900 N/mm<sup>2</sup> de resistencia a la tracción



| Art No.     | Ø mm | L mm | S.P.Q. pc |
|-------------|------|------|-----------|
| K1540-010-B | 1    | 34   | 2         |
| K1540-015-B | 1.5  | 40   | 2         |
| K1540-020-B | 2    | 49   | 2         |
| K1540-025-B | 2.5  | 57   | 2         |
| K1540-030-B | 3    | 61   | 2         |
| K1540-032-B | 3.2  | 65   | 1         |
| K1540-035-B | 3.5  | 70   | 1         |
| K1540-040-B | 4    | 75   | 1         |
| K1540-042-B | 4.2  | 75   | 1         |
| K1540-045-B | 4.5  | 80   | 1         |
| K1540-048-B | 4.8  | 86   | 1         |
| K1540-050-B | 5    | 86   | 1         |
| K1540-055-B | 5.5  | 93   | 1         |
| K1540-060-B | 6    | 93   | 1         |
| K1540-065-B | 6.5  | 101  | 1         |
| K1540-070-B | 7    | 109  | 1         |
| K1540-075-B | 7.5  | 109  | 1         |
| K1540-080-B | 8    | 117  | 1         |
| K1540-085-B | 8.5  | 117  | 1         |
| K1540-090-B | 9    | 125  | 1         |
| K1540-095-B | 9.5  | 125  | 1         |
| K1540-100-B | 10   | 133  | 1         |
| K1540-105-B | 10.5 | 133  | 1         |
| K1540-110-B | 11   | 142  | 1         |
| K1540-115-B | 11.5 | 142  | 1         |
| K1540-120-B | 12   | 151  | 1         |
| K1540-125-B | 12.5 | 151  | 1         |
| K1540-130-B | 13   | 151  | 1         |

| Art No.     | Ø inch | L mm | S.P.Q. pc |
|-------------|--------|------|-----------|
| K1540-Z04-B | 1/16   | 43   | 2         |
| K1540-Z05-B | 5/64   | 49   | 2         |
| K1540-Z06-B | 3/32   | 57   | 2         |
| K1540-Z07-B | 7/64   | 61   | 2         |
| K1540-Z08-B | 1/8    | 65   | 1         |
| K1540-Z09-B | 9/64   | 70   | 1         |
| K1540-Z10-B | 5/32   | 75   | 1         |
| K1540-Z11-B | 11/64  | 80   | 1         |
| K1540-Z12-B | 3/16   | 86   | 1         |
| K1540-Z13-B | 13/64  | 86   | 1         |
| K1540-Z14-B | 7/32   | 93   | 1         |
| K1540-Z15-B | 15/64  | 93   | 1         |
| K1540-Z16-B | 1/4    | 101  | 1         |
| K1540-Z17-B | 17/64  | 109  | 1         |
| K1540-Z18-B | 9/32   | 109  | 1         |
| K1540-Z19-B | 19/64  | 117  | 1         |
| K1540-Z20-B | 5/16   | 117  | 1         |
| K1540-Z21-B | 21/64  | 117  | 1         |
| K1540-Z22-B | 11/32  | 125  | 1         |
| K1540-Z23-B | 23/64  | 125  | 1         |
| K1540-Z24-B | 3/8    | 133  | 1         |
| K1540-Z25-B | 25/64  | 133  | 1         |
| K1540-Z26-B | 13/32  | 133  | 1         |
| K1540-Z27-B | 27/64  | 142  | 1         |
| K1540-Z28-B | 7/16   | 142  | 1         |
| K1540-Z29-B | 29/64  | 142  | 1         |
| K1540-Z30-B | 15/32  | 151  | 1         |
| K1540-Z31-B | 31/64  | 151  | 1         |
| K1540-Z32-B | 1/2    | 151  | 1         |

### Broca para Metal Bicolor - Juego

- Broca helicoidal de acero de corte rápido de alto rendimiento según DIN 338, laminada por rodillo, cilíndrica, de corte a la derecha, tipo N
- Afilado de superficie cónica de 135°, tolerancia de diámetro h8
- Bicolor, Oro/Negro
- Adecuada para taladrar acero, metales NF, fundición de acero aleado y sin alear
- Hasta 900 N/mm<sup>2</sup> de resistencia a la tracción



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1540-010 | 1.0  | 34   | 10        |
| K1540-015 | 1.5  | 40   | 10        |
| K1540-020 | 2.0  | 49   | 10        |
| K1540-025 | 2.5  | 57   | 10        |
| K1540-030 | 3.0  | 61   | 10        |
| K1540-032 | 3.2  | 65   | 10        |
| K1540-035 | 3.5  | 70   | 10        |
| K1540-040 | 4.0  | 75   | 10        |
| K1540-042 | 4.2  | 75   | 10        |
| K1540-045 | 4.5  | 80   | 10        |
| K1540-048 | 4.8  | 86   | 10        |
| K1540-050 | 5.0  | 86   | 10        |
| K1540-055 | 5.5  | 93   | 10        |
| K1540-060 | 6.0  | 93   | 10        |
| K1540-065 | 6.5  | 101  | 10        |
| K1540-070 | 7.0  | 109  | 10        |
| K1540-075 | 7.5  | 109  | 10        |
| K1540-080 | 8.0  | 117  | 10        |
| K1540-085 | 8.5  | 117  | 10        |
| K1540-090 | 9.0  | 125  | 10        |
| K1540-095 | 9.5  | 125  | 10        |
| K1540-100 | 10.0 | 133  | 5         |
| K1540-105 | 10.5 | 133  | 5         |
| K1540-110 | 11.0 | 142  | 5         |
| K1540-115 | 11.5 | 142  | 5         |
| K1540-120 | 12.0 | 151  | 5         |
| K1540-125 | 12.5 | 151  | 5         |
| K1540-130 | 13.0 | 151  | 5         |

| Art No.   | Ø inch | L mm | S.P.Q. pc |
|-----------|--------|------|-----------|
| K1540-Z04 | 1/16   | 43   | 10        |
| K1540-Z05 | 5/64   | 49   | 10        |
| K1540-Z06 | 3/32   | 57   | 10        |
| K1540-Z07 | 7/64   | 61   | 10        |
| K1540-Z08 | 1/8    | 65   | 10        |
| K1540-Z09 | 9/64   | 70   | 10        |
| K1540-Z10 | 5/32   | 75   | 10        |
| K1540-Z11 | 11/64  | 80   | 10        |
| K1540-Z12 | 3/16   | 86   | 10        |
| K1540-Z13 | 13/64  | 86   | 10        |
| K1540-Z14 | 7/32   | 93   | 10        |
| K1540-Z15 | 15/64  | 93   | 10        |
| K1540-Z16 | 1/4    | 101  | 10        |
| K1540-Z17 | 17/64  | 109  | 10        |
| K1540-Z18 | 9/32   | 109  | 10        |
| K1540-Z19 | 19/64  | 117  | 10        |
| K1540-Z20 | 5/16   | 117  | 10        |
| K1540-Z21 | 21/64  | 117  | 10        |
| K1540-Z22 | 11/32  | 125  | 10        |
| K1540-Z23 | 23/64  | 125  | 10        |
| K1540-Z24 | 3/8    | 133  | 10        |
| K1540-Z25 | 25/64  | 133  | 5         |
| K1540-Z26 | 13/32  | 133  | 5         |
| K1540-Z27 | 27/64  | 142  | 5         |
| K1540-Z28 | 7/16   | 142  | 5         |
| K1540-Z29 | 29/64  | 142  | 5         |
| K1540-Z30 | 15/32  | 151  | 5         |
| K1540-Z31 | 31/64  | 151  | 5         |
| K1540-Z32 | 1/2    | 151  | 5         |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

Brocas para Metal



Broca de Cobalto- Blister

- Hecha de acero rápido especial con 5% de cobalto.
- El cobalto ofrece mejor resistencia al desgaste.
- Adecuado para aleaciones de alta resistencia, titanio, hierro fundido, acero inoxidable alto en níquel.
- Punta de 135° con autocentrado, evitando que la broca derrape sobre los metales más duros.



| Art No.     | Ø mm | L mm | S.P.Q. pc |
|-------------|------|------|-----------|
| K1535-010-B | 1.0  | 34   | 2         |
| K1535-015-B | 1.5  | 40   | 2         |
| K1535-020-B | 2.0  | 49   | 2         |
| K1535-025-B | 2.5  | 57   | 2         |
| K1535-030-B | 3.0  | 61   | 2         |
| K1535-032-B | 3.2  | 65   | 1         |
| K1535-035-B | 3.5  | 70   | 1         |
| K1535-040-B | 4.0  | 75   | 1         |
| K1535-042-B | 4.2  | 75   | 1         |
| K1535-045-B | 4.5  | 80   | 1         |
| K1535-048-B | 4.8  | 86   | 1         |
| K1535-050-B | 5.0  | 86   | 1         |
| K1535-055-B | 5.5  | 93   | 1         |
| K1535-060-B | 6.0  | 93   | 1         |
| K1535-065-B | 6.5  | 101  | 1         |
| K1535-070-B | 7.0  | 109  | 1         |
| K1535-075-B | 7.5  | 109  | 1         |
| K1535-080-B | 8.0  | 117  | 1         |
| K1535-085-B | 8.5  | 117  | 1         |
| K1535-090-B | 9.0  | 125  | 1         |
| K1535-095-B | 9.5  | 125  | 1         |
| K1535-100-B | 10.0 | 133  | 1         |
| K1535-105-B | 10.5 | 133  | 1         |
| K1535-110-B | 11.0 | 142  | 1         |
| K1535-115-B | 11.5 | 142  | 1         |
| K1535-120-B | 12.0 | 151  | 1         |
| K1535-125-B | 12.5 | 151  | 1         |
| K1535-130-B | 13.0 | 151  | 1         |

| Art No.     | Ø inch | L mm | S.P.Q. pc |
|-------------|--------|------|-----------|
| K1535-Z04-B | 1/16   | 43   | 2         |
| K1535-Z05-B | 5/64   | 49   | 2         |
| K1535-Z06-B | 3/32   | 57   | 2         |
| K1535-Z07-B | 7/64   | 61   | 2         |
| K1535-Z08-B | 1/8    | 65   | 1         |
| K1535-Z09-B | 9/64   | 70   | 1         |
| K1535-Z10-B | 5/32   | 75   | 1         |
| K1535-Z11-B | 11/64  | 80   | 1         |
| K1535-Z12-B | 3/16   | 86   | 1         |
| K1535-Z13-B | 13/64  | 86   | 1         |
| K1535-Z14-B | 7/32   | 93   | 1         |
| K1535-Z15-B | 15/64  | 93   | 1         |
| K1535-Z16-B | 1/4    | 101  | 1         |
| K1535-Z17-B | 17/64  | 109  | 1         |
| K1535-Z18-B | 9/32   | 109  | 1         |
| K1535-Z19-B | 19/64  | 117  | 1         |
| K1535-Z20-B | 5/16   | 117  | 1         |
| K1535-Z21-B | 21/64  | 117  | 1         |
| K1535-Z22-B | 11/32  | 125  | 1         |
| K1535-Z23-B | 23/64  | 125  | 1         |
| K1535-Z24-B | 3/8    | 133  | 1         |
| K1535-Z25-B | 25/64  | 133  | 1         |
| K1535-Z26-B | 13/32  | 133  | 1         |
| K1535-Z27-B | 27/64  | 142  | 1         |
| K1535-Z28-B | 7/16   | 142  | 1         |
| K1535-Z29-B | 29/64  | 142  | 1         |
| K1535-Z30-B | 15/32  | 151  | 1         |
| K1535-Z31-B | 31/64  | 151  | 1         |
| K1535-Z32-B | 1/2    | 151  | 1         |

Broca de Cobalto- Juego

- Hecha de acero rápido especial con 5% de cobalto.
- El cobalto ofrece mejor resistencia al desgaste.
- Adecuado para aleaciones de alta resistencia, titanio, hierro fundido, acero inoxidable alto en níquel.
- Punta de 135° con autocentrado, evitando que la broca derrape sobre los metales más duros.



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1535-010 | 1.0  | 34   | 10        |
| K1535-015 | 1.5  | 40   | 10        |
| K1535-020 | 2.0  | 49   | 10        |
| K1535-025 | 2.5  | 57   | 10        |
| K1535-030 | 3.0  | 61   | 10        |
| K1535-032 | 3.2  | 65   | 10        |
| K1535-035 | 3.5  | 70   | 10        |
| K1535-040 | 4.0  | 75   | 10        |
| K1535-042 | 4.2  | 75   | 10        |
| K1535-045 | 4.5  | 80   | 10        |
| K1535-048 | 4.8  | 86   | 10        |
| K1535-050 | 5.0  | 86   | 10        |
| K1535-055 | 5.5  | 93   | 10        |
| K1535-060 | 6.0  | 93   | 10        |
| K1535-065 | 6.5  | 101  | 10        |
| K1535-070 | 7.0  | 109  | 10        |
| K1535-075 | 7.5  | 109  | 10        |
| K1535-080 | 8.0  | 117  | 10        |
| K1535-085 | 8.5  | 117  | 10        |
| K1535-090 | 9.0  | 125  | 10        |
| K1535-095 | 9.5  | 125  | 10        |
| K1535-100 | 10.0 | 133  | 5         |
| K1535-105 | 10.5 | 133  | 5         |
| K1535-110 | 11.0 | 142  | 5         |
| K1535-115 | 11.5 | 142  | 5         |
| K1535-120 | 12.0 | 151  | 5         |
| K1535-125 | 12.5 | 151  | 5         |
| K1535-130 | 13.0 | 151  | 5         |

| Art No.   | Ø inch | L mm | S.P.Q. pc |
|-----------|--------|------|-----------|
| K1535-Z04 | 1/16   | 43   | 10        |
| K1535-Z05 | 5/64   | 49   | 10        |
| K1535-Z06 | 3/32   | 57   | 10        |
| K1535-Z07 | 7/64   | 61   | 10        |
| K1535-Z08 | 1/8    | 65   | 10        |
| K1535-Z09 | 9/64   | 70   | 10        |
| K1535-Z10 | 5/32   | 75   | 10        |
| K1535-Z11 | 11/64  | 80   | 10        |
| K1535-Z12 | 3/16   | 86   | 10        |
| K1535-Z13 | 13/64  | 86   | 10        |
| K1535-Z14 | 7/32   | 93   | 10        |
| K1535-Z15 | 15/64  | 93   | 10        |
| K1535-Z16 | 1/4    | 101  | 10        |
| K1535-Z17 | 17/64  | 109  | 10        |
| K1535-Z18 | 9/32   | 109  | 10        |
| K1535-Z19 | 19/64  | 117  | 10        |
| K1535-Z20 | 5/16   | 117  | 10        |
| K1535-Z21 | 21/64  | 117  | 10        |
| K1535-Z22 | 11/32  | 125  | 10        |
| K1535-Z23 | 23/64  | 125  | 10        |
| K1535-Z24 | 3/8    | 133  | 10        |
| K1535-Z25 | 25/64  | 133  | 5         |
| K1535-Z26 | 13/32  | 133  | 5         |
| K1535-Z27 | 27/64  | 142  | 5         |
| K1535-Z28 | 7/16   | 142  | 5         |
| K1535-Z29 | 29/64  | 142  | 5         |
| K1535-Z30 | 15/32  | 151  | 5         |
| K1535-Z31 | 31/64  | 151  | 5         |
| K1535-Z32 | 1/2    | 151  | 5         |



## Brocas para Metal

### Broca para Tubo - Blister

- Diseño de la punta de la broca patentado, centrado excelente incluso en superficies curvas, como tubos, tuberías, etc.
- La velocidad del taladrado es 4 a 6 veces más rápida que con las brocas estándar.
- Ahorra ¾ de fuerza de taladrado más que con las brocas estándar.
- Crea las perforaciones más precisas, no solo en metales, sino también en madera y plástico.
- Fabricado en acero rápido.



| Art No.     | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-------------|---------|---------|--------------|
| K1538-010-B | 1.0     | 34      | 2            |
| K1538-015-B | 1.5     | 40      | 2            |
| K1538-020-B | 2.0     | 49      | 2            |
| K1538-025-B | 2.5     | 57      | 2            |
| K1538-030-B | 3.0     | 61      | 2            |
| K1538-032-B | 3.2     | 65      | 1            |
| K1538-035-B | 3.5     | 70      | 1            |
| K1538-040-B | 4.0     | 75      | 1            |
| K1538-042-B | 4.2     | 75      | 1            |
| K1538-045-B | 4.5     | 80      | 1            |
| K1538-048-B | 4.8     | 86      | 1            |
| K1538-050-B | 5.0     | 86      | 1            |
| K1538-055-B | 5.5     | 93      | 1            |
| K1538-060-B | 6.0     | 93      | 1            |
| K1538-065-B | 6.5     | 101     | 1            |
| K1538-070-B | 7.0     | 109     | 1            |
| K1538-075-B | 7.5     | 109     | 1            |
| K1538-080-B | 8.0     | 117     | 1            |
| K1538-085-B | 8.5     | 117     | 1            |
| K1538-090-B | 9.0     | 125     | 1            |
| K1538-095-B | 9.5     | 125     | 1            |
| K1538-100-B | 10.0    | 133     | 1            |
| K1538-105-B | 10.5    | 133     | 1            |
| K1538-110-B | 11.0    | 142     | 1            |
| K1538-120-B | 12.0    | 151     | 1            |
| K1538-130-B | 13.0    | 151     | 1            |

| Art No.     | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|-------------|-----------|---------|--------------|
| K1538-Z04-B | 1/16      | 43      | 2            |
| K1538-Z05-B | 5/64      | 49      | 2            |
| K1538-Z06-B | 3/32      | 57      | 2            |
| K1538-Z07-B | 7/64      | 64      | 2            |
| K1538-Z08-B | 1/8       | 65      | 1            |
| K1538-Z09-B | 9/64      | 70      | 1            |
| K1538-Z10-B | 5/32      | 75      | 1            |
| K1538-Z11-B | 11/64     | 80      | 1            |
| K1538-Z12-B | 3/16      | 86      | 1            |
| K1538-Z13-B | 13/64     | 86      | 1            |
| K1538-Z14-B | 7/32      | 93      | 1            |
| K1538-Z15-B | 15/64     | 93      | 1            |
| K1538-Z16-B | 1/4       | 101     | 1            |
| K1538-Z17-B | 17/64     | 109     | 1            |
| K1538-Z18-B | 9/32      | 109     | 1            |
| K1538-Z19-B | 19/64     | 117     | 1            |
| K1538-Z20-B | 5/16      | 117     | 1            |
| K1538-Z21-B | 21/64     | 117     | 1            |
| K1538-Z22-B | 11/32     | 125     | 1            |
| K1538-Z23-B | 23/64     | 125     | 1            |
| K1538-Z24-B | 3/8       | 133     | 1            |
| K1538-Z26-B | 13/32     | 133     | 1            |
| K1538-Z27-B | 27/64     | 142     | 1            |
| K1538-Z28-B | 7/16      | 142     | 1            |
| K1538-Z30-B | 15/32     | 151     | 1            |
| K1538-Z32-B | 1/2       | 151     | 1            |

### Broca para Tubo - Juego

- Diseño de la punta de la broca patentado, centrado excelente incluso en superficies curvas, como tubos, tuberías, etc.
- La velocidad del taladrado es 4 a 6 veces más rápida que con las brocas estándar.
- Ahorra ¾ de fuerza de taladrado más que con las brocas estándar.
- Crea las perforaciones más precisas, no solo en metales, sino también en madera y plástico.
- Fabricado en acero rápido.



| Art No.   | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-----------|---------|---------|--------------|
| K1538-010 | 1.0     | 34      | 10           |
| K1538-015 | 1.5     | 40      | 10           |
| K1538-020 | 2.0     | 49      | 10           |
| K1538-025 | 2.5     | 57      | 10           |
| K1538-030 | 3.0     | 61      | 10           |
| K1538-032 | 3.2     | 65      | 10           |
| K1538-035 | 3.5     | 70      | 10           |
| K1538-040 | 4.0     | 75      | 10           |
| K1538-042 | 4.2     | 75      | 10           |
| K1538-045 | 4.5     | 80      | 10           |
| K1538-048 | 4.8     | 86      | 10           |
| K1538-050 | 5.0     | 86      | 10           |
| K1538-055 | 5.5     | 93      | 10           |
| K1538-060 | 6.0     | 93      | 10           |
| K1538-065 | 6.5     | 101     | 10           |
| K1538-070 | 7.0     | 109     | 10           |
| K1538-075 | 7.5     | 109     | 10           |
| K1538-080 | 8.0     | 117     | 10           |
| K1538-085 | 8.5     | 117     | 10           |
| K1538-090 | 9.0     | 125     | 10           |
| K1538-095 | 9.5     | 125     | 10           |
| K1538-100 | 10.0    | 133     | 5            |
| K1538-105 | 10.5    | 133     | 5            |
| K1538-110 | 11.0    | 142     | 5            |
| K1538-120 | 12.0    | 151     | 5            |
| K1538-130 | 13.0    | 151     | 5            |

| Art No.   | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|-----------|-----------|---------|--------------|
| K1538-Z04 | 1/16      | 43      | 10           |
| K1538-Z05 | 5/64      | 49      | 10           |
| K1538-Z06 | 3/32      | 57      | 10           |
| K1538-Z07 | 7/64      | 64      | 10           |
| K1538-Z08 | 1/8       | 65      | 10           |
| K1538-Z09 | 9/64      | 70      | 10           |
| K1538-Z10 | 5/32      | 75      | 10           |
| K1538-Z11 | 11/64     | 80      | 10           |
| K1538-Z12 | 3/16      | 86      | 10           |
| K1538-Z13 | 13/64     | 86      | 10           |
| K1538-Z14 | 7/32      | 93      | 10           |
| K1538-Z15 | 15/64     | 93      | 10           |
| K1538-Z16 | 1/4       | 101     | 10           |
| K1538-Z17 | 17/64     | 109     | 10           |
| K1538-Z18 | 9/32      | 109     | 10           |
| K1538-Z19 | 19/64     | 117     | 10           |
| K1538-Z20 | 5/16      | 117     | 10           |
| K1538-Z21 | 21/64     | 117     | 10           |
| K1538-Z22 | 11/32     | 125     | 10           |
| K1538-Z23 | 23/64     | 125     | 10           |
| K1538-Z24 | 3/8       | 133     | 10           |
| K1538-Z26 | 13/32     | 133     | 5            |
| K1538-Z27 | 27/64     | 142     | 5            |
| K1538-Z28 | 7/16      | 142     | 5            |
| K1538-Z30 | 15/32     | 151     | 5            |
| K1538-Z32 | 1/2       | 151     | 5            |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

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Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

Brocas para Metal



Broca para Metal Extra Corta - Blister

- Perforación precisa en materiales como el acero, metales blandos (aluminio, cobre, latón y bronce) y en metales no ferrosos.
- Se utiliza cuando se requieren perforaciones cortas.
- Punta de 135° con autocentrado evitando que la broca derrape sobre los materiales más duros.
- Fabricado en acero rápido



| Art No.     | Ø mm | L mm | S.P.Q. pc |
|-------------|------|------|-----------|
| K1537-010-B | 1.0  | 26   | 2         |
| K1537-015-B | 1.5  | 32   | 2         |
| K1537-020-B | 2.0  | 38   | 2         |
| K1537-025-B | 2.5  | 43   | 2         |
| K1537-030-B | 3.0  | 46   | 2         |
| K1537-032-B | 3.2  | 49   | 1         |
| K1537-035-B | 3.5  | 52   | 1         |
| K1537-040-B | 4.0  | 55   | 1         |
| K1537-042-B | 4.2  | 55   | 1         |
| K1537-045-B | 4.5  | 58   | 1         |
| K1537-048-B | 4.8  | 62   | 1         |
| K1537-050-B | 5.0  | 62   | 1         |
| K1537-055-B | 5.5  | 66   | 1         |
| K1537-060-B | 6.0  | 66   | 1         |
| K1537-065-B | 6.5  | 70   | 1         |
| K1537-070-B | 7.0  | 74   | 1         |
| K1537-075-B | 7.5  | 74   | 1         |
| K1537-080-B | 8.0  | 79   | 1         |
| K1537-085-B | 8.5  | 79   | 1         |
| K1537-090-B | 9.0  | 84   | 1         |
| K1537-095-B | 9.5  | 84   | 1         |
| K1537-100-B | 10.0 | 89   | 1         |
| K1537-105-B | 10.5 | 89   | 1         |
| K1537-110-B | 11.0 | 95   | 1         |
| K1537-115-B | 11.5 | 95   | 1         |
| K1537-120-B | 12.0 | 102  | 1         |
| K1537-125-B | 12.5 | 102  | 1         |
| K1537-130-B | 13.0 | 102  | 1         |

| Art No.     | Ø inch | L mm | S.P.Q. pc |
|-------------|--------|------|-----------|
| K1537-Z04-B | 1/16   | 34   | 2         |
| K1537-Z05-B | 5/64   | 38   | 2         |
| K1537-Z06-B | 3/32   | 43   | 2         |
| K1537-Z07-B | 7/64   | 46   | 2         |
| K1537-Z08-B | 1/8    | 46   | 1         |
| K1537-Z09-B | 9/64   | 52   | 1         |
| K1537-Z10-B | 5/32   | 55   | 1         |
| K1537-Z11-B | 11/64  | 58   | 1         |
| K1537-Z12-B | 3/16   | 62   | 1         |
| K1537-Z13-B | 13/64  | 62   | 1         |
| K1537-Z14-B | 7/32   | 66   | 1         |
| K1537-Z15-B | 15/64  | 66   | 1         |
| K1537-Z16-B | 1/4    | 70   | 1         |
| K1537-Z17-B | 17/64  | 74   | 1         |
| K1537-Z18-B | 9/32   | 74   | 1         |
| K1537-Z19-B | 19/64  | 79   | 1         |
| K1537-Z20-B | 5/16   | 79   | 1         |
| K1537-Z21-B | 21/64  | 79   | 1         |
| K1537-Z22-B | 11/32  | 84   | 1         |
| K1537-Z23-B | 23/64  | 84   | 1         |
| K1537-Z24-B | 3/8    | 89   | 1         |
| K1537-Z25-B | 25/64  | 89   | 1         |
| K1537-Z26-B | 13/32  | 89   | 1         |
| K1537-Z27-B | 27/64  | 95   | 1         |
| K1537-Z28-B | 7/16   | 95   | 1         |
| K1537-Z29-B | 29/64  | 95   | 1         |
| K1537-Z30-B | 15/32  | 102  | 1         |
| K1537-Z31-B | 31/64  | 102  | 1         |
| K1537-Z32-B | 1/2    | 102  | 1         |

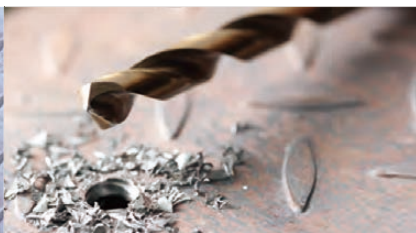
Broca para Metal Extra Corta - Juego

- Perforación precisa en materiales como el acero, metales blandos (aluminio, cobre, latón y bronce) y en metales no ferrosos.
- Se utiliza cuando se requieren perforaciones cortas.
- Punta de 135° con autocentrado evitando que la broca derrape sobre los materiales más duros.
- Fabricado en acero rápido



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1537-010 | 1.0  | 26   | 10        |
| K1537-015 | 1.5  | 32   | 10        |
| K1537-020 | 2.0  | 38   | 10        |
| K1537-025 | 2.5  | 43   | 10        |
| K1537-030 | 3.0  | 46   | 10        |
| K1537-032 | 3.2  | 49   | 10        |
| K1537-035 | 3.5  | 52   | 10        |
| K1537-040 | 4.0  | 55   | 10        |
| K1537-042 | 4.2  | 55   | 10        |
| K1537-045 | 4.5  | 58   | 10        |
| K1537-048 | 4.8  | 62   | 10        |
| K1537-050 | 5.0  | 62   | 10        |
| K1537-055 | 5.5  | 66   | 10        |
| K1537-060 | 6.0  | 66   | 10        |
| K1537-065 | 6.5  | 70   | 10        |
| K1537-070 | 7.0  | 74   | 10        |
| K1537-075 | 7.5  | 74   | 10        |
| K1537-080 | 8.0  | 79   | 10        |
| K1537-085 | 8.5  | 79   | 10        |
| K1537-090 | 9.0  | 84   | 10        |
| K1537-095 | 9.5  | 84   | 10        |
| K1537-100 | 10.0 | 89   | 5         |
| K1537-105 | 10.5 | 89   | 5         |
| K1537-110 | 11.0 | 95   | 5         |
| K1537-115 | 11.5 | 95   | 5         |
| K1537-120 | 12.0 | 102  | 5         |
| K1537-125 | 12.5 | 102  | 5         |
| K1537-130 | 13.0 | 102  | 5         |

| Art No.   | Ø inch | L mm | S.P.Q. pc |
|-----------|--------|------|-----------|
| K1537-Z04 | 1/16   | 34   | 10        |
| K1537-Z05 | 5/64   | 38   | 10        |
| K1537-Z06 | 3/32   | 43   | 10        |
| K1537-Z07 | 7/64   | 46   | 10        |
| K1537-Z08 | 1/8    | 46   | 10        |
| K1537-Z09 | 9/64   | 52   | 10        |
| K1537-Z10 | 5/32   | 55   | 10        |
| K1537-Z11 | 11/64  | 58   | 10        |
| K1537-Z12 | 3/16   | 62   | 10        |
| K1537-Z13 | 13/64  | 62   | 10        |
| K1537-Z14 | 7/32   | 66   | 10        |
| K1537-Z15 | 15/64  | 66   | 10        |
| K1537-Z16 | 1/4    | 70   | 10        |
| K1537-Z17 | 17/64  | 74   | 10        |
| K1537-Z18 | 9/32   | 74   | 10        |
| K1537-Z19 | 19/64  | 79   | 10        |
| K1537-Z20 | 5/16   | 79   | 10        |
| K1537-Z21 | 21/64  | 79   | 10        |
| K1537-Z22 | 11/32  | 84   | 10        |
| K1537-Z23 | 23/64  | 84   | 10        |
| K1537-Z24 | 3/8    | 89   | 10        |
| K1537-Z25 | 25/64  | 89   | 5         |
| K1537-Z26 | 13/32  | 89   | 5         |
| K1537-Z27 | 27/64  | 95   | 5         |
| K1537-Z28 | 7/16   | 95   | 5         |
| K1537-Z29 | 29/64  | 95   | 5         |
| K1537-Z30 | 15/32  | 102  | 5         |
| K1537-Z31 | 31/64  | 102  | 5         |
| K1537-Z32 | 1/2    | 102  | 5         |



## Brocas para Metal

### Broca para Metal Blanca Serie Larga – Blister

- Ideal para perforaciones que requieren una profundidad de taladrado adicional.
- Punta de 135° con autocentrado evitando que la broca derrape sobre los metales más duros.
- Hecho en acero rápido de calidad.



| Art No.            | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|--------------------|---------|---------|--------------|
| K1531-010-B        | 1.0     | 56      | 2            |
| K1531-015-B        | 1.5     | 70      | 2            |
| K1531-020-B        | 2.0     | 85      | 2            |
| K1531-025-B        | 2.5     | 895     | 2            |
| K1531-030-B        | 3.0     | 100     | 2            |
| K1531-032-B        | 3.2     | 106     | 1            |
| K1531-035-B        | 3.5     | 112     | 1            |
| K1531-040-B        | 4.0     | 119     | 1            |
| K1531-045-B        | 4.5     | 126     | 1            |
| K1531-048-B        | 4.8     | 132     | 1            |
| K1531-050-B        | 5.0     | 132     | 1            |
| K1531-055-B        | 5.5     | 139     | 1            |
| K1531-060-B        | 6.0     | 139     | 1            |
| K1531-065-B        | 6.5     | 148     | 1            |
| K1531-070-B        | 7.0     | 156     | 1            |
| K1531-075-B        | 7.5     | 156     | 1            |
| K1531-080-B        | 8.0     | 165     | 1            |
| K1531-085-B        | 8.5     | 165     | 1            |
| K1531-090-B        | 9.0     | 175     | 1            |
| K1531-095-B        | 9.5     | 175     | 1            |
| K1531-100-B        | 10.0    | 184     | 1            |
| K1531-105-B        | 10.5    | 184     | 1            |
| K1531-110-B        | 11.0    | 195     | 1            |
| K1531-115-B        | 11.5    | 195     | 1            |
| K1531-120-B        | 12.0    | 205     | 1            |
| K1531-125-B        | 12.5    | 205     | 1            |
| K1531-130-B        | 13.0    | 205     | 1            |
| Reduced shark 1/2" |         |         |              |
| K1531-140-VR-B     | 14.0    | 214     | 1            |
| K1531-150-VR-B     | 15.0    | 220     | 1            |
| K1531-160-VR-B     | 16.0    | 227     | 1            |

### Broca para Metal Blanca Serie Larga – Juego

- Ideal para perforaciones que requieren una profundidad de taladrado adicional.
- Punta de 135° con autocentrado evitando que la broca derrape sobre los metales más duros.
- Hecho en acero rápido de calidad.



| Art No.            | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|--------------------|---------|---------|--------------|
| K1531-010          | 1.0     | 56      | 10           |
| K1531-015          | 1.5     | 70      | 10           |
| K1531-020          | 2.0     | 85      | 10           |
| K1531-025          | 2.5     | 895     | 10           |
| K1531-030          | 3.0     | 100     | 10           |
| K1531-032          | 3.2     | 106     | 10           |
| K1531-035          | 3.5     | 112     | 10           |
| K1531-040          | 4.0     | 119     | 10           |
| K1531-045          | 4.5     | 126     | 10           |
| K1531-048          | 4.8     | 132     | 10           |
| K1531-050          | 5.0     | 132     | 10           |
| K1531-055          | 5.5     | 139     | 10           |
| K1531-060          | 6.0     | 139     | 10           |
| K1531-065          | 6.5     | 148     | 10           |
| K1531-070          | 7.0     | 156     | 10           |
| K1531-075          | 7.5     | 156     | 10           |
| K1531-080          | 8.0     | 165     | 10           |
| K1531-085          | 8.5     | 165     | 10           |
| K1531-090          | 9.0     | 175     | 10           |
| K1531-095          | 9.5     | 175     | 10           |
| K1531-100          | 10.0    | 184     | 5            |
| K1531-105          | 10.5    | 184     | 5            |
| K1531-110          | 11.0    | 195     | 5            |
| K1531-115          | 11.5    | 195     | 5            |
| K1531-120          | 12.0    | 205     | 5            |
| K1531-125          | 12.5    | 205     | 5            |
| K1531-130          | 13.0    | 205     | 5            |
| Reduced shark 1/2" |         |         |              |
| K1531-140-VR       | 14.0    | 214     | 1            |
| K1531-150-VR       | 15.0    | 220     | 1            |
| K1531-160-VR       | 16.0    | 227     | 1            |

| Art No.            | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|--------------------|-----------|---------|--------------|
| K1531-Z04          | 1/16      | 76      | 10           |
| K1531-Z06          | 3/32      | 95      | 10           |
| K1531-Z08          | 1/8       | 106     | 10           |
| K1531-Z10          | 5/32      | 119     | 10           |
| K1531-Z12          | 3/16      | 132     | 10           |
| K1531-Z14          | 7/32      | 139     | 10           |
| K1531-Z16          | 1/4       | 148     | 10           |
| K1531-Z18          | 9/32      | 156     | 10           |
| K1531-Z20          | 5/16      | 165     | 10           |
| K1531-Z22          | 11/32     | 175     | 10           |
| K1531-Z24          | 3/8       | 184     | 10           |
| K1531-Z26          | 13/32     | 184     | 5            |
| K1531-Z28          | 7/16      | 195     | 5            |
| K1531-Z30          | 15/32     | 205     | 5            |
| K1531-Z32          | 1/2       | 205     | 5            |
| Reduced shark 1/2" |           |         |              |
| K1531-Z36-VR       | 9/16      | 220     | 1            |
| K1531-Z40-VR       | 5/8       | 227     | 1            |

BROCAS

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LLAVES

LÁPICES Y  
MATERIAL POP

# Brocas para Metal



## Broca para Metal con Doble Punta

- Perforación precisa en materiales como el acero, metales blandos (aluminio, cobre, latón y bronce) y en metales no ferrosos.
- Ideal para perforaciones de chapa y para trabajos que requieren un remache.
- Punta de 135° con autocentrado evitando que la broca derrape sobre los metales más duros.
- Fabricado en acero rápido.



| Art No.   | ∅<br>mm | L<br>mm | S.P.Q.<br>pc |
|-----------|---------|---------|--------------|
| K1539-015 | 1.5     | 34      | 1            |
| K1539-020 | 2.0     | 36      | 1            |
| K1539-028 | 2.8     | 46      | 1            |
| K1539-030 | 3.0     | 46      | 1            |
| K1539-035 | 3.5     | 52      | 1            |
| K1539-040 | 4.0     | 55      | 1            |
| K1539-045 | 4.5     | 58      | 1            |
| K1539-052 | 5.2     | 62      | 1            |
| K1539-055 | 5.5     | 66      | 1            |
| K1539-060 | 6.0     | 66      | 1            |
| K1539-062 | 6.2     | 70      | 1            |
| K1539-070 | 7.0     | 74      | 1            |
| K1539-075 | 7.5     | 80      | 1            |
| K1539-080 | 8.0     | 80      | 1            |

| Art No.   | ∅<br>inch | L<br>mm | S.P.Q.<br>pc |
|-----------|-----------|---------|--------------|
| K1539-Z04 | 1/16      | 1-1/2   | 1            |
| K1539-Z05 | 5/64      | 1-1/2   | 1            |
| K1539-Z06 | 3/32      | 1-11/16 | 1            |
| K1539-Z07 | 7/64      | 1-13/16 | 1            |
| K1539-Z08 | 1/8       | 1-13/16 | 1            |
| K1539-Z09 | 9/64      | 2-1/16  | 1            |
| K1539-Z10 | 5/32      | 2-3/16  | 1            |
| K1539-Z12 | 3/16      | 2-5/16  | 1            |
| K1539-Z14 | 7/32      | 2-5/8   | 1            |
| K1539-Z16 | 1/4       | 2-7/8   | 1            |

## Broca Escalonada

- Diseñada para crear múltiples agujeros en materiales delgados de hasta 5 mm de espesor.
- Hecha de acero rápido de calidad.



| Art No.   | ∅<br>mm        | L<br>mm | S.P.Q.<br>pc |
|-----------|----------------|---------|--------------|
| K1542-060 | ∅ 6mm, 4-12mm  | 65      | 1            |
| K1542-080 | ∅ 8mm, 4-20mm  | 75      | 1            |
| K1542-100 | ∅ 10mm, 4-30mm | 100     | 1            |

## Broca Escalonada con Ranura Helicoidal

- La ranura helicoidal hace que tenga una vida útil más larga, menos vibraciones y un avance de perforación de metales y plásticos.
- Hecha de acero rápido de calidad.



| Art No.   | ∅<br>mm        | L<br>mm | S.P.Q.<br>pc |
|-----------|----------------|---------|--------------|
| K1543-060 | ∅ 6mm, 4-12mm  | 65      | 1            |
| K1543-080 | ∅ 8mm, 4-20mm  | 75      | 1            |
| K1543-100 | ∅ 10mm, 4-30mm | 100     | 1            |

## Broca Cónica

- Diseñada para crear múltiples agujeros en materiales delgados de hasta 5 mm de espesor.
- Hecha de acero rápido de calidad.



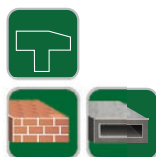
| Art No.   | ∅<br>mm           | L<br>mm | S.P.Q.<br>pc |
|-----------|-------------------|---------|--------------|
| K1544-060 | ∅ 6mm, 3-14mm     | 58      | 1            |
| K1544-080 | ∅ 8mm, 6-20mm     | 63      | 1            |
| K1544-100 | ∅ 10mm, 16-30.5mm | 79      | 1            |



## Brocas para Concreto

### Broca para Concreto

- La Broca más popular para albañilería, especialmente para todo tipo de ladrillos, tejas y hormigón ligero.
- No aptas para un uso intensivo
- Con punta de carburo de tungsteno, larga vida útil.
- Trabaja con rotación y percusión.

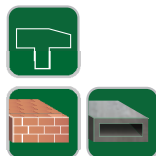
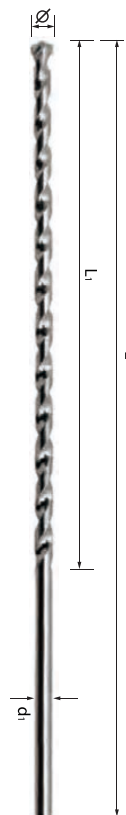


| Art No.   | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-----------|---------|---------|--------------|
| K1603-030 | 3.0     | 60      | 1            |
| K1603-035 | 3.5     | 75      | 1            |
| K1603-040 | 4.0     | 75      | 1            |
| K1603-045 | 4.5     | 85      | 1            |
| K1603-050 | 5.0     | 85      | 1            |
| K1603-055 | 5.5     | 100     | 1            |
| K1603-060 | 6.0     | 100     | 1            |
| K1603-065 | 6.5     | 100     | 1            |
| K1603-070 | 7.0     | 100     | 1            |
| K1603-075 | 7.5     | 100     | 1            |
| K1603-080 | 8.0     | 120     | 1            |
| K1603-085 | 8.5     | 120     | 1            |
| K1603-090 | 9.0     | 120     | 1            |
| K1603-095 | 9.5     | 120     | 1            |
| K1603-100 | 10.0    | 120     | 1            |
| K1603-110 | 11.0    | 150     | 1            |
| K1603-120 | 12.0    | 150     | 1            |
| K1603-130 | 13.0    | 150     | 1            |
| K1603-140 | 14.0    | 150     | 1            |
| K1603-150 | 15.0    | 150     | 1            |
| K1603-160 | 16.0    | 150     | 1            |

| Art No.   | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|-----------|-----------|-----------|--------------|
| K1603-Z08 | 1/8       | 2-3/4     | 1            |
| K1603-Z09 | 9/64      | 3         | 1            |
| K1603-Z10 | 5/32      | 3         | 1            |
| K1603-Z11 | 11/64     | 3-3/8     | 1            |
| K1603-Z12 | 3/16      | 3-3/8     | 1            |
| K1603-Z14 | 7/32      | 3-3/8     | 1            |
| K1603-Z15 | 15/64     | 4         | 1            |
| K1603-Z16 | 1/4       | 4         | 1            |
| K1603-Z18 | 9/32      | 4         | 1            |
| K1603-Z19 | 19/64     | 4         | 1            |
| K1603-Z20 | 5/16      | 4-3/4     | 1            |
| K1603-Z21 | 21/64     | 4-3/4     | 1            |
| K1603-Z22 | 11/32     | 4-3/4     | 1            |
| K1603-Z24 | 3/8       | 4-3/4     | 1            |
| K1603-Z28 | 7/16      | 6         | 1            |
| K1603-Z30 | 15/32     | 6         | 1            |
| K1603-Z32 | 1/2       | 6         | 1            |
| K1603-Z36 | 9/16      | 6         | 1            |
| K1603-Z38 | 19/32     | 6         | 1            |
| K1603-Z40 | 5/8       | 6         | 1            |

### Broca para Concreto – Serie Larga

- La Broca más popular para albañilería, especialmente para todo tipo de ladrillos, tejas y hormigón ligero.
- No aptas para un uso intensivo
- Con punta de carburo de tungsteno, larga vida útil.
- Trabaja con rotación y percusión.



| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|
| K1604-060-200 | 6.0     | 200     | 1            |
| K1604-080-200 | 8.0     | 200     | 1            |
| K1604-090-200 | 9.0     | 200     | 1            |
| K1604-100-200 | 10.0    | 200     | 1            |
| K1604-120-200 | 12.0    | 200     | 1            |
| K1604-130-200 | 13.0    | 200     | 1            |
| K1604-140-200 | 14.0    | 200     | 1            |
| K1604-160-200 | 16.0    | 200     | 1            |
| K1604-080-400 | 8.0     | 400     | 1            |
| K1604-090-400 | 9.0     | 400     | 1            |
| K1604-100-400 | 10.0    | 400     | 1            |
| K1604-120-400 | 12.0    | 400     | 1            |
| K1604-130-400 | 13.0    | 400     | 1            |
| K1604-140-400 | 14.0    | 400     | 1            |
| K1604-160-400 | 16.0    | 400     | 1            |
| K1604-180-400 | 18.0    | 400     | 1            |
| K1604-200-400 | 20.0    | 400     | 1            |

| Art No.      | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|--------------|-----------|-----------|--------------|
| K1604-Z15-08 | 15/64     | 8         | 1            |
| K1604-Z20-08 | 5/16      | 8         | 1            |
| K1604-Z22-08 | 11/32     | 8         | 1            |
| K1604-Z26-08 | 13/32     | 8         | 1            |
| K1604-Z30-08 | 15/32     | 8         | 1            |
| K1604-Z32-08 | 1/2       | 8         | 1            |
| K1604-Z36-08 | 9/16      | 8         | 1            |
| K1604-Z40-08 | 5/8       | 8         | 1            |
| K1604-Z20-16 | 5/16      | 16        | 1            |
| K1604-Z22-16 | 11/32     | 16        | 1            |
| K1604-Z26-16 | 13/32     | 16        | 1            |
| K1604-Z30-16 | 15/32     | 16        | 1            |
| K1604-Z32-16 | 1/2       | 16        | 1            |
| K1604-Z36-16 | 9/16      | 16        | 1            |
| K1604-Z40-16 | 5/8       | 16        | 1            |
| K1604-Z41-16 | 23/32     | 16        | 1            |
| K1604-Z45-16 | 25/32     | 16        | 1            |

BROCAS

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# Brocas para Concreto



## Broca para Concreto Sand Blading

- Punta con forma de cincel de carburo de tungsteno, permite taladrar fácilmente en hormigón y piedra.
- Para uso con rotopercusión, en mampostería, hormigón, cemento, piedra, etc.
- Larga vida útil.
- Uso intensivo.



| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|
| K1603-SAN-030 | 3.0     | 60      | 1            |
| K1603-SAN-035 | 3.5     | 75      | 1            |
| K1603-SAN-040 | 4.0     | 75      | 1            |
| K1603-SAN-045 | 4.5     | 85      | 1            |
| K1603-SAN-050 | 5.0     | 85      | 1            |
| K1603-SAN-055 | 5.5     | 100     | 1            |
| K1603-SAN-060 | 6.0     | 100     | 1            |
| K1603-SAN-065 | 6.5     | 100     | 1            |
| K1603-SAN-070 | 7.0     | 100     | 1            |
| K1603-SAN-075 | 7.5     | 100     | 1            |
| K1603-SAN-080 | 8.0     | 120     | 1            |
| K1603-SAN-085 | 8.5     | 120     | 1            |
| K1603-SAN-090 | 9.0     | 120     | 1            |
| K1603-SAN-095 | 9.5     | 120     | 1            |
| K1603-SAN-100 | 10.0    | 120     | 1            |
| K1603-SAN-110 | 11.0    | 150     | 1            |
| K1603-SAN-120 | 12.0    | 150     | 1            |
| K1603-SAN-130 | 13.0    | 150     | 1            |
| K1603-SAN-140 | 14.0    | 150     | 1            |
| K1603-SAN-150 | 15.0    | 150     | 1            |
| K1603-SAN-160 | 16.0    | 150     | 1            |

| Art No.       | Ø<br>mm | L<br>inch | S.P.Q.<br>pc |
|---------------|---------|-----------|--------------|
| K1603-SAN-Z08 | 1/8     | 2-3/4     | 1            |
| K1603-SAN-Z09 | 9/64    | 3         | 1            |
| K1603-SAN-Z10 | 5/32    | 3         | 1            |
| K1603-SAN-Z11 | 11/64   | 3-3/8     | 1            |
| K1603-SAN-Z12 | 3/16    | 3-3/8     | 1            |
| K1603-SAN-Z14 | 7/32    | 3-3/8     | 1            |
| K1603-SAN-Z15 | 15/64   | 4         | 1            |
| K1603-SAN-Z16 | 1/4     | 4         | 1            |
| K1603-SAN-Z18 | 9/32    | 4         | 1            |
| K1603-SAN-Z19 | 19/64   | 4         | 1            |
| K1603-SAN-Z20 | 5/16    | 4-3/4     | 1            |
| K1603-SAN-Z21 | 21/64   | 4-3/4     | 1            |
| K1603-SAN-Z22 | 11/32   | 4-3/4     | 1            |
| K1603-SAN-Z24 | 3/8     | 4-3/4     | 1            |
| K1603-SAN-Z28 | 7/16    | 6         | 1            |
| K1603-SAN-Z30 | 15/32   | 6         | 1            |
| K1603-SAN-Z32 | 1/2     | 6         | 1            |
| K1603-SAN-Z36 | 9/16    | 6         | 1            |
| K1603-SAN-Z38 | 19/32   | 6         | 1            |
| K1603-SAN-Z40 | 5/8     | 6         | 1            |

## Broca para Concreto Sand Blanding – Serie Larga

- Punta con forma de cincel de carburo de tungsteno, permite taladrar fácilmente en hormigón y piedra.
- Para uso con rotopercusión, en mampostería, hormigón, cemento, piedra, etc.
- Larga vida útil.
- Uso intensivo.



| Art No.           | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-------------------|---------|---------|--------------|
| K1604-SAN-060-200 | 6.0     | 200     | 1            |
| K1604-SAN-080-200 | 8.0     | 200     | 1            |
| K1604-SAN-090-200 | 9.0     | 200     | 1            |
| K1604-SAN-100-200 | 10.0    | 200     | 1            |
| K1604-SAN-120-200 | 12.0    | 200     | 1            |
| K1604-SAN-130-200 | 13.0    | 200     | 1            |
| K1604-SAN-140-200 | 14.0    | 200     | 1            |
| K1604-SAN-160-200 | 16.0    | 200     | 1            |
| K1604-SAN-080-400 | 8.0     | 400     | 1            |
| K1604-SAN-090-400 | 9.0     | 400     | 1            |
| K1604-SAN-100-400 | 10.0    | 400     | 1            |
| K1604-SAN-120-400 | 12.0    | 400     | 1            |
| K1604-SAN-130-400 | 13.0    | 400     | 1            |
| K1604-SAN-140-400 | 14.0    | 400     | 1            |
| K1604-SAN-160-400 | 16.0    | 400     | 1            |
| K1604-SAN-180-400 | 18.0    | 400     | 1            |
| K1604-SAN-200-400 | 20.0    | 400     | 1            |

| Art No.          | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|------------------|-----------|-----------|--------------|
| K1604-SAN-Z15-08 | 15/64     | 8         | 1            |
| K1604-SAN-Z20-08 | 5/16      | 8         | 1            |
| K1604-SAN-Z22-08 | 11/32     | 8         | 1            |
| K1604-SAN-Z26-08 | 13/32     | 8         | 1            |
| K1604-SAN-Z30-08 | 15/32     | 8         | 1            |
| K1604-SAN-Z32-08 | 1/2       | 8         | 1            |
| K1604-SAN-Z36-08 | 9/16      | 8         | 1            |
| K1604-SAN-Z40-08 | 5/8       | 8         | 1            |
| K1604-SAN-Z20-16 | 5/16      | 16        | 1            |
| K1604-SAN-Z22-16 | 11/32     | 16        | 1            |
| K1604-SAN-Z26-16 | 13/32     | 16        | 1            |
| K1604-SAN-Z30-16 | 15/32     | 16        | 1            |
| K1604-SAN-Z32-16 | 1/2       | 16        | 1            |
| K1604-SAN-Z36-16 | 9/16      | 16        | 1            |
| K1604-SAN-Z40-16 | 5/8       | 16        | 1            |
| K1604-SAN-Z41-16 | 23/32     | 16        | 1            |
| K1604-SAN-Z45-16 | 25/32     | 16        | 1            |



## Brocas para Madera, Vidrio y Porcelanato

### Broca para Madera

- Para madera blanda, dura y contrachapada. También para tableros de aglomerado no revestidos y vigas de maderas.
- Para la perforación limpia y libre de desgarros.
- Con punta de centrado y hojas de corte laterales para perforaciones precisas.



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1612-030 | 3.0  | 61   | 1         |
| K1612-040 | 4.0  | 75   | 1         |
| K1612-050 | 5.0  | 86   | 1         |
| K1612-060 | 6.0  | 93   | 1         |
| K1612-070 | 7.0  | 109  | 1         |
| K1612-080 | 8.0  | 117  | 1         |
| K1612-090 | 9.0  | 125  | 1         |
| K1612-100 | 10.0 | 133  | 1         |
| K1612-110 | 11.0 | 142  | 1         |
| K1612-120 | 12.0 | 151  | 1         |
| K1612-130 | 13.0 | 151  | 1         |
| K1612-140 | 14.0 | 160  | 1         |
| K1612-150 | 15.0 | 169  | 1         |
| K1612-160 | 16.0 | 178  | 1         |
| K1612-180 | 18.0 | 195  | 1         |
| K1612-200 | 20.0 | 205  | 1         |

| Art No.   | Ø inch | L mm | S.P.Q. pc |
|-----------|--------|------|-----------|
| K1612-Z08 | 1/8    | 61   | 1         |
| K1612-Z10 | 5/32   | 75   | 1         |
| K1612-Z12 | 3/16   | 86   | 1         |
| K1612-Z15 | 15/64  | 93   | 1         |
| K1612-Z18 | 9/32   | 109  | 1         |
| K1612-Z20 | 5/16   | 117  | 1         |
| K1612-Z22 | 11/32  | 125  | 1         |
| K1612-Z24 | 3/8    | 133  | 1         |
| K1612-Z28 | 7/16   | 142  | 1         |
| K1612-Z30 | 15/32  | 151  | 1         |
| K1612-Z32 | 1/2    | 151  | 1         |
| K1612-Z36 | 9/16   | 160  | 1         |
| K1612-Z38 | 19/32  | 169  | 1         |
| K1612-Z40 | 5/8    | 178  | 1         |
| K1612-Z41 | 23/32  | 195  | 1         |
| K1612-Z45 | 25/32  | 205  | 1         |

### Broca para Porcelanato

- Usa una punta especial dura de carburo Ceratizit, especialmente diseñado para un taladrado rápido a través de los azulejos de porcelana más duros.
- Puede ser también usada para perforar a través de mármol, de granito y cerámica.
- Para utilizar con refrigeración por agua.



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1546-040 | 4.0  | 80   | 1         |
| K1546-050 | 5.0  | 90   | 1         |
| K1546-060 | 6.0  | 100  | 1         |
| K1546-080 | 8.0  | 120  | 1         |
| K1546-100 | 10.0 | 120  | 1         |



### Broca para Madera Plana

- Punta de pala con punta de centrado y dos cuchillas laterales para una perforación fácil y rápida.
- Adecuados para perforar agujeros en maderas semiduras y blandas, así como materiales ligeros de construcción tales como paneles de yeso.
- Disponible en diferentes largos.



| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1614-060 | 6.0  | 152  | 1         |
| K1614-080 | 8.0  | 152  | 1         |
| K1614-100 | 10.0 | 152  | 1         |
| K1614-120 | 12.0 | 152  | 1         |
| K1614-130 | 13.0 | 152  | 1         |
| K1614-140 | 14.0 | 152  | 1         |
| K1614-160 | 16.0 | 152  | 1         |
| K1614-170 | 17.0 | 152  | 1         |
| K1614-180 | 18.0 | 152  | 1         |
| K1614-190 | 19.0 | 152  | 1         |
| K1614-200 | 20.0 | 152  | 1         |
| K1614-220 | 22.0 | 152  | 1         |
| K1614-240 | 24.0 | 152  | 1         |
| K1614-250 | 25.0 | 152  | 1         |

| Art No.   | Ø inch | L inch | S.P.Q. pc |
|-----------|--------|--------|-----------|
| K1614-Z16 | 1/4    | 6      | 1         |
| K1614-Z20 | 5/16   | 6      | 1         |
| K1614-Z24 | 3/8    | 6      | 1         |
| K1614-Z30 | 15/32  | 6      | 1         |
| K1614-Z32 | 1/2    | 6      | 1         |
| K1614-Z36 | 9/16   | 6      | 1         |
| K1614-Z40 | 5/8    | 6      | 1         |
| K1614-Z41 | 43/64  | 6      | 1         |
| K1614-Z42 | 11/16  | 6      | 1         |
| K1614-Z44 | 3/4    | 6      | 1         |
| K1614-Z46 | 13/16  | 6      | 1         |
| K1614-Z47 | 7/8    | 6      | 1         |
| K1614-Z49 | 15/16  | 6      | 1         |
| K1614-Z51 | 1      | 6      | 1         |

### Broca para Vidrio

- Ideal para corte rotatorio en vidrio, con refrigeración por agua a baja velocidad

| Art No.   | Ø mm | L mm | S.P.Q. pc |
|-----------|------|------|-----------|
| K1519-030 | 3.0  | 60   | 1         |
| K1519-040 | 4.0  | 60   | 1         |
| K1519-050 | 5.0  | 61   | 1         |
| K1519-060 | 6.0  | 63   | 1         |
| K1519-070 | 7.0  | 65   | 1         |
| K1519-080 | 8.0  | 70   | 1         |
| K1519-090 | 9.0  | 80   | 1         |
| K1519-100 | 10.0 | 80   | 1         |
| K1519-120 | 12.0 | 90   | 1         |



BROCAS

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MATERIAL POP

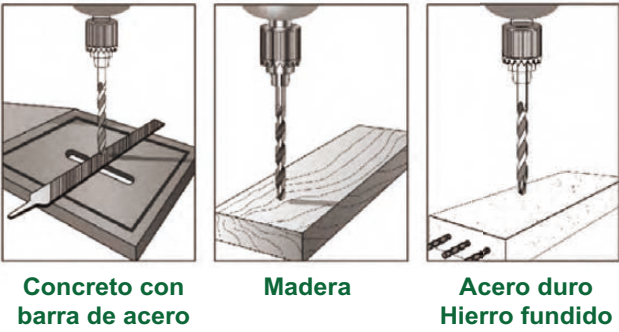
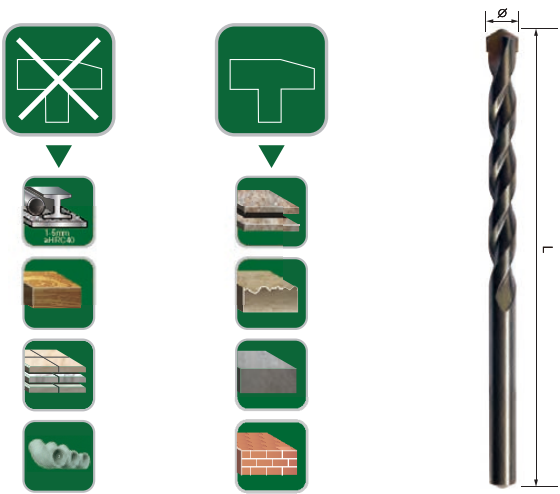
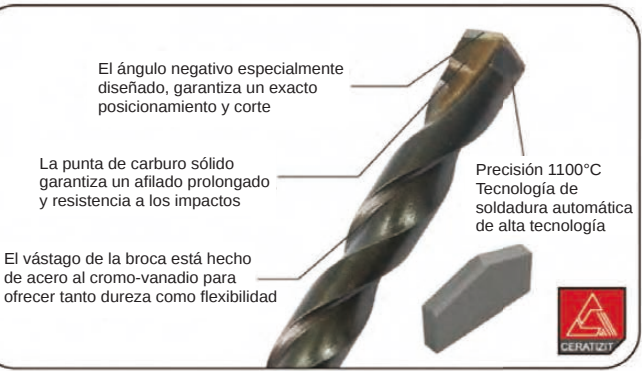
GERMANY  
**KRAFT**  
BOHRER

# Brocas Multi-Uso.



## Broca Multi-Uso

- Broca multiusos, para todas las necesidades.
- Sus Filos de corte permiten una perforación rápida.
- Perforación rotatoria de metal duro, piedra natural, de granito, vidrio, cerámica, madera, plástico, etc.
- Perforación de impacto en granito, piedra natural, mármol, hormigón, albañilería, etc.
- Elaborado con punta de metal duro Ceratizit, cromo vanadio endurecido y mango templado, soldadura automática de alta temperatura, de la más alta calidad.



| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc | Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|---------------|---------|---------|--------------|
| K1545-030-070 | 3.0     | 70      | 1            | K1545-100-200 | 10.0    | 200     | 1            |
| K1545-035-075 | 3.5     | 75      | 1            | K1545-100-400 | 10.0    | 400     | 1            |
| K1545-040-080 | 4.0     | 80      | 1            | K1545-110-160 | 11.0    | 160     | 1            |
| K1545-045-085 | 4.5     | 85      | 1            | K1545-120-160 | 12.0    | 160     | 1            |
| K1545-050-090 | 5.0     | 90      | 1            | K1545-120-200 | 12.0    | 200     | 1            |
| K1545-055-095 | 5.5     | 95      | 1            | K1545-120-400 | 12.0    | 400     | 1            |
| K1545-060-100 | 6.0     | 100     | 1            | K1545-130-200 | 13.0    | 200     | 1            |
| K1545-060-160 | 6.0     | 160     | 1            | K1545-140-200 | 14.0    | 200     | 1            |
| K1545-065-105 | 6.5     | 105     | 1            | K1545-140-400 | 14.0    | 400     | 1            |
| K1545-070-110 | 7.0     | 110     | 1            | K1545-160-200 | 16.0    | 200     | 1            |
| K1545-075-115 | 7.5     | 115     | 1            | K1545-160-400 | 16.0    | 400     | 1            |
| K1545-080-120 | 8.0     | 120     | 1            | K1545-180-200 | 18.0    | 200     | 1            |
| K1545-080-200 | 8.0     | 200     | 1            | K1545-180-400 | 18.0    | 400     | 1            |
| K1545-080-400 | 8.0     | 400     | 1            | K1545-200-200 | 20.0    | 200     | 1            |
| K1545-085-125 | 8.5     | 125     | 1            | K1545-200-400 | 20.0    | 400     | 1            |
| K1545-090-130 | 9.0     | 130     | 1            | K1545-220-200 | 22.0    | 200     | 1            |
| K1545-095-135 | 9.5     | 135     | 1            | K1545-220-400 | 22.0    | 400     | 1            |
| K1545-100-120 | 10.0    | 120     | 1            | K1545-240-200 | 24.0    | 200     | 1            |
| K1545-100-140 | 10.0    | 140     | 1            | K1545-240-400 | 24.0    | 400     | 1            |





## Brocas SDS-Plus

### Broca SDS-Plus - Métrico



- Taladradoras percutoras profesionales SDS, para uso intensivo en hormigón, piedra natural y mampostería.
- Punta de carburo de tungsteno de alta calidad, proceso de soldadura automática que garantiza una larga vida útil.
- Calidad aprobada por PGM



| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|
| K1609-040-110 | 4.0     | 110     | 1            |
| K1609-050-110 | 5.0     | 110     | 1            |
| K1609-060-110 | 6.0     | 110     | 1            |
| K1609-070-110 | 7.0     | 110     | 1            |
| K1609-080-110 | 8.0     | 110     | 1            |
| K1609-090-110 | 9.0     | 110     | 1            |
| K1609-100-110 | 10.0    | 110     | 1            |
| K1609-040-160 | 4.0     | 160     | 1            |
| K1609-050-160 | 5.0     | 160     | 1            |
| K1609-060-160 | 6.0     | 160     | 1            |
| K1609-070-160 | 7.0     | 160     | 1            |
| K1609-080-160 | 8.0     | 160     | 1            |
| K1609-090-160 | 9.0     | 160     | 1            |
| K1609-100-160 | 10.0    | 160     | 1            |
| K1609-120-160 | 12.0    | 160     | 1            |
| K1609-130-160 | 13.0    | 160     | 1            |
| K1609-140-160 | 14.0    | 160     | 1            |
| K1609-150-160 | 15.0    | 160     | 1            |
| K1609-160-160 | 16.0    | 160     | 1            |

| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|
| K1609-060-210 | 6.0     | 210     | 1            |
| K1609-070-210 | 7.0     | 210     | 1            |
| K1609-080-210 | 8.0     | 210     | 1            |
| K1609-090-210 | 9.0     | 210     | 1            |
| K1609-100-210 | 10.0    | 210     | 1            |
| K1609-110-210 | 11.0    | 210     | 1            |
| K1609-120-210 | 12.0    | 210     | 1            |
| K1609-130-210 | 13.0    | 210     | 1            |
| K1609-140-210 | 14.0    | 210     | 1            |
| K1609-150-210 | 15.0    | 210     | 1            |
| K1609-210-210 | 16.0    | 210     | 1            |
| K1609-180-210 | 18.0    | 210     | 1            |
| K1609-190-210 | 19.0    | 210     | 1            |
| K1609-200-210 | 20.0    | 210     | 1            |
| K1609-220-210 | 22.0    | 210     | 1            |
| K1609-240-210 | 24.0    | 210     | 1            |
| K1609-250-210 | 25.0    | 210     | 1            |
| K1609-060-260 | 6.0     | 260     | 1            |
| K1609-070-260 | 7.0     | 260     | 1            |
| K1609-080-260 | 8.0     | 260     | 1            |
| K1609-090-260 | 9.0     | 260     | 1            |
| K1609-100-260 | 10.0    | 260     | 1            |
| K1609-110-260 | 11.0    | 260     | 1            |
| K1609-120-260 | 12.0    | 260     | 1            |
| K1609-130-260 | 13.0    | 260     | 1            |
| K1609-140-260 | 14.0    | 260     | 1            |
| K1609-150-260 | 15.0    | 260     | 1            |
| K1609-160-260 | 16.0    | 260     | 1            |
| K1609-180-260 | 18.0    | 260     | 1            |
| K1609-190-260 | 19.0    | 260     | 1            |
| K1609-200-260 | 20.0    | 260     | 1            |
| K1609-220-260 | 22.0    | 260     | 1            |
| K1609-240-260 | 24.0    | 260     | 1            |
| K1609-250-260 | 25.0    | 260     | 1            |
| K1609-260-260 | 26.0    | 260     | 1            |
| K1609-280-260 | 28.0    | 260     | 1            |
| K1609-080-310 | 8.0     | 310     | 1            |
| K1609-090-310 | 9.0     | 310     | 1            |
| K1609-100-310 | 10.0    | 310     | 1            |
| K1609-110-310 | 11.0    | 310     | 1            |
| K1609-120-310 | 12.0    | 310     | 1            |
| K1609-130-310 | 13.0    | 310     | 1            |
| K1609-140-310 | 14.0    | 310     | 1            |
| K1609-150-310 | 15.0    | 310     | 1            |
| K1609-160-310 | 16.0    | 310     | 1            |
| K1609-180-310 | 18.0    | 310     | 1            |
| K1609-190-310 | 19.0    | 310     | 1            |
| K1609-200-310 | 20.0    | 310     | 1            |
| K1609-220-310 | 22.0    | 310     | 1            |

| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|
| K1609-240-310 | 24.0    | 310     | 1            |
| K1609-250-310 | 25.0    | 310     | 1            |
| K1609-260-310 | 26.0    | 310     | 1            |
| K1609-280-310 | 28.0    | 310     | 1            |
| K1609-080-310 | 8.0     | 350     | 1            |
| K1609-090-310 | 9.0     | 350     | 1            |
| K1609-100-310 | 10.0    | 350     | 1            |
| K1609-110-310 | 11.0    | 350     | 1            |
| K1609-120-310 | 12.0    | 350     | 1            |
| K1609-130-310 | 13.0    | 350     | 1            |
| K1609-140-310 | 14.0    | 350     | 1            |
| K1609-160-310 | 16.0    | 350     | 1            |
| K1609-180-310 | 18.0    | 350     | 1            |
| K1609-200-310 | 20.0    | 350     | 1            |
| K1609-220-310 | 22.0    | 350     | 1            |
| K1609-250-310 | 25.0    | 350     | 1            |
| K1609-260-310 | 26.0    | 350     | 1            |
| K1609-280-310 | 28.0    | 350     | 1            |
| K1609-080-410 | 8.0     | 410     | 1            |
| K1609-090-410 | 9.0     | 410     | 1            |
| K1609-100-410 | 10.0    | 410     | 1            |
| K1609-110-410 | 11.0    | 410     | 1            |
| K1609-120-410 | 12.0    | 410     | 1            |
| K1609-130-410 | 13.0    | 410     | 1            |
| K1609-140-410 | 14.0    | 410     | 1            |
| K1609-150-410 | 15.0    | 410     | 1            |
| K1609-160-410 | 16.0    | 410     | 1            |
| K1609-180-410 | 18.0    | 410     | 1            |
| K1609-200-410 | 20.0    | 410     | 1            |
| K1609-220-410 | 22.0    | 410     | 1            |
| K1609-240-410 | 24.0    | 410     | 1            |
| K1609-250-410 | 25.0    | 410     | 1            |
| K1609-260-410 | 26.0    | 410     | 1            |
| K1609-280-410 | 28.0    | 410     | 1            |
| K1609-080-450 | 8.0     | 450     | 1            |
| K1609-090-450 | 9.0     | 450     | 1            |
| K1609-100-450 | 10.0    | 450     | 1            |
| K1609-110-450 | 11.0    | 450     | 1            |
| K1609-120-450 | 12.0    | 450     | 1            |
| K1609-130-450 | 13.0    | 450     | 1            |
| K1609-140-450 | 14.0    | 450     | 1            |
| K1609-150-450 | 15.0    | 450     | 1            |
| K1609-160-450 | 16.0    | 450     | 1            |
| K1609-180-450 | 18.0    | 450     | 1            |
| K1609-200-450 | 20.0    | 450     | 1            |
| K1609-220-450 | 22.0    | 450     | 1            |
| K1609-240-450 | 24.0    | 450     | 1            |
| K1609-250-450 | 25.0    | 450     | 1            |
| K1609-260-450 | 26.0    | 450     | 1            |
| K1609-280-450 | 28.0    | 450     | 1            |

| Art No.        | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|----------------|---------|---------|--------------|
| K1609-080-600  | 8.0     | 600     | 1            |
| K1609-090-600  | 9.0     | 600     | 1            |
| K1609-100-600  | 10.0    | 600     | 1            |
| K1609-110-600  | 11.0    | 600     | 1            |
| K1609-120-600  | 12.0    | 600     | 1            |
| K1609-130-600  | 13.0    | 600     | 1            |
| K1609-140-600  | 14.0    | 600     | 1            |
| K1609-150-600  | 15.0    | 600     | 1            |
| K1609-160-600  | 16.0    | 600     | 1            |
| K1609-180-600  | 18.0    | 600     | 1            |
| K1609-190-600  | 19.0    | 600     | 1            |
| K1609-200-600  | 20.0    | 600     | 1            |
| K1609-220-600  | 22.0    | 600     | 1            |
| K1609-240-600  | 24.0    | 600     | 1            |
| K1609-250-600  | 25.0    | 600     | 1            |
| K1609-260-600  | 26.0    | 600     | 1            |
| K1609-280-600  | 28.0    | 600     | 1            |
| K1609-080-800  | 8.0     | 800     | 1            |
| K1609-090-800  | 9.0     | 800     | 1            |
| K1609-100-800  | 10.0    | 800     | 1            |
| K1609-110-800  | 11.0    | 800     | 1            |
| K1609-120-800  | 12.0    | 800     | 1            |
| K1609-130-800  | 13.0    | 800     | 1            |
| K1609-140-800  | 14.0    | 800     | 1            |
| K1609-150-800  | 15.0    | 800     | 1            |
| K1609-160-800  | 16.0    | 800     | 1            |
| K1609-180-800  | 18.0    | 800     | 1            |
| K1609-190-800  | 19.0    | 800     | 1            |
| K1609-200-800  | 20.0    | 800     | 1            |
| K1609-220-800  | 22.0    | 800     | 1            |
| K1609-240-800  | 24.0    | 800     | 1            |
| K1609-250-800  | 25.0    | 800     | 1            |
| K1609-260-800  | 26.0    | 800     | 1            |
| K1609-280-800  | 28.0    | 800     | 1            |
| K1609-080-1000 | 8.0     | 1000    | 1            |
| K1609-100-1000 | 10.0    | 1000    | 1            |
| K1609-110-1000 | 11.0    | 1000    | 1            |
| K1609-120-1000 | 12.0    | 1000    | 1            |
| K1609-130-1000 | 13.0    | 1000    | 1            |
| K1609-140-1000 | 14.0    | 1000    | 1            |
| K1609-150-1000 | 15.0    | 1000    | 1            |
| K1609-160-1000 | 16.0    | 1000    | 1            |
| K1609-180-1000 | 18.0    | 1000    | 1            |
| K1609-190-1000 | 19.0    | 1000    | 1            |
| K1609-200-1000 | 20.0    | 1000    | 1            |
| K1609-220-1000 | 22.0    | 1000    | 1            |
| K1609-240-1000 | 24.0    | 1000    | 1            |
| K1609-250-1000 | 25.0    | 1000    | 1            |
| K1609-260-1000 | 26.0    | 1000    | 1            |
| K1609-280-1000 | 28.0    | 1000    | 1            |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

Brocas SDS-Plus



Broca SDS-Plus - Pulgadas



- Taladradoras percutoras profesionales SDS, para uso intensivo en hormigón, piedra natural y mampostería.
- Punta de carburo de tungsteno de alta calidad, proceso de soldadura automática que garantiza una larga vida útil.
- Calidad aprobada por PGM



| Art No.      | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|--------------|-----------|-----------|--------------|
| K1609-Z10-04 | 5/32      | 4         | 1            |
| K1609-Z12-04 | 3/16      | 4         | 1            |
| K1609-Z15-04 | 15/64     | 4         | 1            |
| K1609-Z18-04 | 9/32      | 4         | 1            |
| K1609-Z20-04 | 5/16      | 4         | 1            |
| K1609-Z22-04 | 11/32     | 4         | 1            |
| K1609-Z24-04 | 3/8       | 4         | 1            |
| K1609-Z10-06 | 5/32      | 6         | 1            |
| K1609-Z12-06 | 3/16      | 6         | 1            |
| K1609-Z15-06 | 15/64     | 6         | 1            |
| K1609-Z18-06 | 9/32      | 6         | 1            |
| K1609-Z20-06 | 5/16      | 6         | 1            |
| K1609-Z22-06 | 11/32     | 6         | 1            |
| K1609-Z24-06 | 3/8       | 6         | 1            |
| K1609-Z30-06 | 15/32     | 6         | 1            |
| K1609-Z32-06 | 1/2       | 6         | 1            |
| K1609-Z36-06 | 9/16      | 6         | 1            |
| K1609-Z38-06 | 19/32     | 6         | 1            |
| K1609-Z40-06 | 5/8       | 6         | 1            |

| Art No.      | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|--------------|-----------|-----------|--------------|
| K1609-Z15-08 | 15/64     | 8         | 1            |
| K1609-Z18-08 | 9/32      | 8         | 1            |
| K1609-Z20-08 | 5/16      | 8         | 1            |
| K1609-Z22-08 | 11/32     | 8         | 1            |
| K1609-Z24-08 | 3/8       | 8         | 1            |
| K1609-Z28-08 | 7/16      | 8         | 1            |
| K1609-Z30-08 | 15/32     | 8         | 1            |
| K1609-Z32-08 | 1/2       | 8         | 1            |
| K1609-Z36-08 | 9/16      | 8         | 1            |
| K1609-Z38-08 | 19/32     | 8         | 1            |
| K1609-Z40-08 | 5/8       | 8         | 1            |
| K1609-Z41-08 | 23/32     | 8         | 1            |
| K1609-Z44-08 | 3/4       | 8         | 1            |
| K1609-Z45-08 | 25/32     | 8         | 1            |
| K1609-Z47-08 | 7/8       | 8         | 1            |
| K1609-Z50-08 | 31/32     | 8         | 1            |
| K1609-Z51-08 | 1         | 8         | 1            |
| K1609-Z15-10 | 15/64     | 10        | 1            |
| K1609-Z18-10 | 9/32      | 10        | 1            |
| K1609-Z20-10 | 5/16      | 10        | 1            |
| K1609-Z22-10 | 11/32     | 10        | 1            |
| K1609-Z24-10 | 3/8       | 10        | 1            |
| K1609-Z28-10 | 7/16      | 10        | 1            |
| K1609-Z30-10 | 15/32     | 10        | 1            |
| K1609-Z32-10 | 1/2       | 10        | 1            |
| K1609-Z36-10 | 9/16      | 10        | 1            |
| K1609-Z38-10 | 19/32     | 10        | 1            |
| K1609-Z40-10 | 5/8       | 10        | 1            |
| K1609-Z41-10 | 23/32     | 10        | 1            |
| K1609-Z44-10 | 3/4       | 10        | 1            |
| K1609-Z45-10 | 25/32     | 10        | 1            |
| K1609-Z47-10 | 7/8       | 10        | 1            |
| K1609-Z50-10 | 31/32     | 10        | 1            |
| K1609-Z51-10 | 1         | 10        | 1            |
| K1609-Z52-10 | 1-1/32    | 10        | 1            |
| K1609-Z53-10 | 1-1/8     | 10        | 1            |
| K1609-Z20-12 | 5/16      | 12        | 1            |
| K1609-Z22-12 | 11/32     | 12        | 1            |
| K1609-Z24-12 | 3/8       | 12        | 1            |
| K1609-Z28-12 | 7/16      | 12        | 1            |
| K1609-Z30-12 | 15/32     | 12        | 1            |
| K1609-Z32-12 | 1/2       | 12        | 1            |
| K1609-Z36-12 | 9/16      | 12        | 1            |
| K1609-Z38-12 | 19/32     | 12        | 1            |
| K1609-Z40-12 | 5/8       | 12        | 1            |
| K1609-Z41-12 | 23/32     | 12        | 1            |
| K1609-Z44-12 | 3/4       | 12        | 1            |
| K1609-Z45-12 | 25/32     | 12        | 1            |
| K1609-Z47-12 | 7/8       | 12        | 1            |

| Art No.      | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|--------------|-----------|-----------|--------------|
| K1609-Z50-12 | 31/32     | 12        | 1            |
| K1609-Z51-12 | 1         | 12        | 1            |
| K1609-Z52-12 | 1-1/32    | 12        | 1            |
| K1609-Z53-12 | 1-1/8     | 12        | 1            |
| K1609-Z20-12 | 5/16      | 14        | 1            |
| K1609-Z22-12 | 11/32     | 14        | 1            |
| K1609-Z24-12 | 3/8       | 14        | 1            |
| K1609-Z28-12 | 7/16      | 14        | 1            |
| K1609-Z30-12 | 15/32     | 14        | 1            |
| K1609-Z32-12 | 1/2       | 14        | 1            |
| K1609-Z36-12 | 9/16      | 14        | 1            |
| K1609-Z40-12 | 5/8       | 14        | 1            |
| K1609-Z41-12 | 23/32     | 14        | 1            |
| K1609-Z45-12 | 25/32     | 14        | 1            |
| K1609-Z47-12 | 7/8       | 14        | 1            |
| K1609-Z51-12 | 1         | 14        | 1            |
| K1609-Z53-12 | 1-1/8     | 14        | 1            |
| K1609-Z20-16 | 5/16      | 16        | 1            |
| K1609-Z22-16 | 11/32     | 16        | 1            |
| K1609-Z24-16 | 3/8       | 16        | 1            |
| K1609-Z28-16 | 7/16      | 16        | 1            |
| K1609-Z30-16 | 15/32     | 16        | 1            |
| K1609-Z32-16 | 1/2       | 16        | 1            |
| K1609-Z36-16 | 9/16      | 16        | 1            |
| K1609-Z38-16 | 19/32     | 16        | 1            |
| K1609-Z40-16 | 5/8       | 16        | 1            |
| K1609-Z41-16 | 23/32     | 16        | 1            |
| K1609-Z45-16 | 25/32     | 16        | 1            |
| K1609-Z47-16 | 7/8       | 16        | 1            |
| K1609-Z50-16 | 31/32     | 16        | 1            |
| K1609-Z51-16 | 1         | 16        | 1            |
| K1609-Z52-16 | 1-1/32    | 16        | 1            |
| K1609-Z53-16 | 1-1/8     | 16        | 1            |
| K1609-Z20-18 | 5/16      | 18        | 1            |
| K1609-Z22-18 | 11/32     | 18        | 1            |
| K1609-Z24-18 | 3/8       | 18        | 1            |
| K1609-Z28-18 | 7/16      | 18        | 1            |
| K1609-Z30-18 | 15/32     | 18        | 1            |
| K1609-Z32-18 | 1/2       | 18        | 1            |
| K1609-Z36-18 | 9/16      | 18        | 1            |
| K1609-Z38-18 | 19/32     | 18        | 1            |
| K1609-Z40-18 | 5/8       | 18        | 1            |
| K1609-Z41-18 | 23/32     | 18        | 1            |
| K1609-Z45-18 | 25/32     | 18        | 1            |
| K1609-Z47-18 | 7/8       | 18        | 1            |
| K1609-Z50-18 | 31/32     | 18        | 1            |
| K1609-Z51-18 | 1         | 18        | 1            |
| K1609-Z52-18 | 1-1/32    | 18        | 1            |
| K1609-Z53-18 | 1-1/8     | 18        | 1            |

| Art No.      | Ø<br>inch | L<br>inch | S.P.Q.<br>pc |
|--------------|-----------|-----------|--------------|
| K1609-Z20-24 | 5/16      | 24        | 1            |
| K1609-Z22-24 | 11/32     | 24        | 1            |
| K1609-Z24-24 | 3/8       | 24        | 1            |
| K1609-Z28-24 | 7/16      | 24        | 1            |
| K1609-Z30-24 | 15/32     | 24        | 1            |
| K1609-Z32-24 | 1/2       | 24        | 1            |
| K1609-Z36-24 | 9/16      | 24        | 1            |
| K1609-Z38-24 | 19/32     | 24        | 1            |
| K1609-Z40-24 | 5/8       | 24        | 1            |
| K1609-Z41-24 | 23/32     | 24        | 1            |
| K1609-Z44-24 | 3/4       | 24        | 1            |
| K1609-Z45-24 | 25/32     | 24        | 1            |
| K1609-Z47-24 | 7/8       | 24        | 1            |
| K1609-Z50-24 | 31/32     | 24        | 1            |
| K1609-Z51-24 | 1         | 24        | 1            |
| K1609-Z52-24 | 1-1/32    | 24        | 1            |
| K1609-Z53-24 | 1-1/8     | 24        | 1            |
| K1609-Z20-32 | 5/16      | 32        | 1            |
| K1609-Z22-32 | 11/32     | 32        | 1            |
| K1609-Z24-32 | 3/8       | 32        | 1            |
| K1609-Z28-32 | 7/16      | 32        | 1            |
| K1609-Z30-32 | 15/32     | 32        | 1            |
| K1609-Z32-32 | 1/2       | 32        | 1            |
| K1609-Z36-32 | 9/16      | 32        | 1            |
| K1609-Z38-32 | 19/32     | 32        | 1            |
| K1609-Z40-32 | 5/8       | 32        | 1            |
| K1609-Z41-32 | 23/32     | 32        | 1            |
| K1609-Z44-32 | 3/4       | 32        | 1            |
| K1609-Z45-32 | 25/32     | 32        | 1            |
| K1609-Z47-32 | 7/8       | 32        | 1            |
| K1609-Z50-32 | 31/32     | 32        | 1            |
| K1609-Z51-32 | 1         | 32        | 1            |
| K1609-Z52-32 | 1-1/32    | 32        | 1            |
| K1609-Z53-32 | 1-1/8     | 32        | 1            |
| K1609-Z20-40 | 5/16      | 40        | 1            |
| K1609-Z24-40 | 3/8       | 40        | 1            |
| K1609-Z28-40 | 7/16      | 40        | 1            |
| K1609-Z30-40 | 15/32     | 40        | 1            |
| K1609-Z32-40 | 1/2       | 40        | 1            |
| K1609-Z36-40 | 9/16      | 40        | 1            |
| K1609-Z38-40 | 19/32     | 40        | 1            |
| K1609-Z40-40 | 5/8       | 40        | 1            |
| K1609-Z41-40 | 23/32     | 40        | 1            |
| K1609-Z44-40 | 3/4       | 40        | 1            |
| K1609-Z45-40 | 25/32     | 40        | 1            |
| K1609-Z47-40 | 7/8       | 40        | 1            |
| K1609-Z50-40 | 31/32     | 40        | 1            |
| K1609-Z51-40 | 1         | 40        | 1            |
| K1609-Z52-40 | 1-1/32    | 40        | 1            |
| K1609-Z53-40 | 1-1/8     | 40        | 1            |



## Brocas SDS-Plus

### Broca SDS-Plus 4 Puntas

- Taladradoras percutoras profesionales SDS, para uso intensivo en hormigón, piedra natural y mampostería.
- Punta de carburo de tungsteno de alta calidad, proceso de soldadura automática que garantiza una larga vida útil.
- Calidad aprobada por PGM



#### Métrico

| Art No.       | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|---------------|---------|---------|--------------|
| K1610-040-110 | 4.0     | 110     | 1            |
| K1610-050-110 | 5.0     | 110     | 1            |
| K1610-060-110 | 6.0     | 110     | 1            |
| K1610-070-110 | 7.0     | 110     | 1            |
| K1610-080-110 | 8.0     | 110     | 1            |
| K1610-090-110 | 9.0     | 110     | 1            |
| K1610-100-110 | 10.0    | 110     | 1            |
| K1610-050-160 | 5.0     | 160     | 1            |
| K1610-060-160 | 6.0     | 160     | 1            |
| K1610-065-160 | 6.5     | 160     | 1            |
| K1610-070-160 | 7.0     | 160     | 1            |
| K1610-080-160 | 8.0     | 160     | 1            |
| K1610-090-160 | 9.0     | 160     | 1            |
| K1610-100-160 | 10.0    | 160     | 1            |
| K1610-120-160 | 12.0    | 160     | 1            |
| K1610-130-160 | 13.0    | 160     | 1            |
| K1610-140-160 | 14.0    | 160     | 1            |
| K1610-150-160 | 15.0    | 160     | 1            |
| K1610-160-160 | 16.0    | 160     | 1            |
| K1610-060-210 | 6.0     | 210     | 1            |
| K1610-080-210 | 8.0     | 210     | 1            |
| K1610-090-210 | 9.0     | 210     | 1            |
| K1610-100-210 | 10.0    | 210     | 1            |
| K1610-110-210 | 11.0    | 210     | 1            |
| K1610-120-210 | 12.0    | 210     | 1            |
| K1610-130-210 | 13.0    | 210     | 1            |
| K1610-140-210 | 14.0    | 210     | 1            |
| K1610-150-210 | 15.0    | 210     | 1            |
| K1610-160-210 | 16.0    | 210     | 1            |
| K1610-180-210 | 18.0    | 210     | 1            |
| K1610-200-210 | 20.0    | 210     | 1            |
| K1610-080-260 | 8.0     | 260     | 1            |
| K1610-100-260 | 10.0    | 260     | 1            |
| K1610-110-260 | 11.0    | 260     | 1            |
| K1610-120-260 | 12.0    | 260     | 1            |
| K1610-130-260 | 13.0    | 260     | 1            |
| K1610-140-260 | 14.0    | 260     | 1            |
| K1610-150-260 | 15.0    | 260     | 1            |
| K1610-160-260 | 16.0    | 260     | 1            |
| K1610-180-260 | 18.0    | 260     | 1            |
| K1610-200-260 | 20.0    | 260     | 1            |

| Art No.        | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|----------------|---------|---------|--------------|
| K1610-220-260  | 22.0    | 260     | 1            |
| K1610-240-260  | 24.0    | 260     | 1            |
| K1610-250-260  | 25.0    | 260     | 1            |
| K1610-080-310  | 8.0     | 310     | 1            |
| K1610-100-310  | 10.0    | 310     | 1            |
| K1610-120-310  | 12.0    | 310     | 1            |
| K1610-130-310  | 13.0    | 310     | 1            |
| K1610-140-310  | 14.0    | 310     | 1            |
| K1610-160-310  | 16.0    | 310     | 1            |
| K1610-180-310  | 18.0    | 310     | 1            |
| K1610-200-310  | 20.0    | 310     | 1            |
| K1610-220-310  | 22.0    | 310     | 1            |
| K1610-240-310  | 24.0    | 310     | 1            |
| K1610-250-310  | 25.0    | 310     | 1            |
| K1610-100-350  | 10.0    | 350     | 1            |
| K1610-120-350  | 12.0    | 350     | 1            |
| K1610-140-350  | 14.0    | 350     | 1            |
| K1610-160-350  | 16.0    | 350     | 1            |
| K1610-080-460  | 8.0     | 460     | 1            |
| K1610-100-460  | 10.0    | 460     | 1            |
| K1610-120-460  | 12.0    | 460     | 1            |
| K1610-140-460  | 14.0    | 460     | 1            |
| K1610-160-460  | 16.0    | 460     | 1            |
| K1610-180-460  | 18.0    | 460     | 1            |
| K1610-200-460  | 20.0    | 460     | 1            |
| K1610-220-460  | 22.0    | 460     | 1            |
| K1610-240-460  | 24.0    | 460     | 1            |
| K1610-250-460  | 25.0    | 460     | 1            |
| K1610-300-460  | 30.0    | 460     | 1            |
| K1610-100-600  | 10.0    | 600     | 1            |
| K1610-120-600  | 12.0    | 600     | 1            |
| K1610-140-600  | 14.0    | 600     | 1            |
| K1610-160-600  | 16.0    | 600     | 1            |
| K1610-100-800  | 10.0    | 800     | 1            |
| K1610-120-800  | 12.0    | 800     | 1            |
| K1610-140-800  | 14.0    | 800     | 1            |
| K1610-160-800  | 16.0    | 800     | 1            |
| K1610-100-1000 | 10.0    | 1000    | 1            |
| K1610-120-1000 | 12.0    | 1000    | 1            |
| K1610-140-1000 | 14.0    | 1000    | 1            |
| K1610-160-1000 | 16.0    | 1000    | 1            |

#### Pulgadas

| Art No.      | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|--------------|---------|---------|--------------|
| K1610-Z12-4  | 3/16    | 4       | 1            |
| K1610-Z16-4  | 1/4     | 4       | 1            |
| K1610-Z12-6  | 3/16    | 6       | 1            |
| K1610-Z16-6  | 1/4     | 6       | 1            |
| K1610-Z20-6  | 5/16    | 6       | 1            |
| K1610-Z24-6  | 3/8     | 6       | 1            |
| K1610-Z28-6  | 7/16    | 6       | 1            |
| K1610-Z32-6  | 1/2     | 6       | 1            |
| K1610-Z36-6  | 9/16    | 6       | 1            |
| K1610-Z40-6  | 5/8     | 6       | 1            |
| K1610-Z12-8  | 3/16    | 8       | 1            |
| K1610-Z16-8  | 1/4     | 8       | 1            |
| K1610-Z24-8  | 3/8     | 8       | 1            |
| K1610-Z40-8  | 5/8     | 8       | 1            |
| K1610-Z44-8  | 3/4     | 8       | 1            |
| K1610-Z47-8  | 7/8     | 8       | 1            |
| K1610-Z16-10 | 1/4     | 10      | 1            |
| K1610-Z24-10 | 3/8     | 10      | 1            |
| K1610-Z32-10 | 1/2     | 10      | 1            |
| K1610-Z44-10 | 3/4     | 10      | 1            |
| K1610-Z16-12 | 1/4     | 12      | 1            |
| K1610-Z20-12 | 5/16"   | 12      | 1            |
| K1610-Z24-12 | 3/8     | 12      | 1            |
| K1610-Z28-12 | 7/16    | 12      | 1            |
| K1610-Z32-12 | 1/2     | 12      | 1            |
| K1610-Z36-12 | 9/16    | 12      | 1            |
| K1610-Z40-12 | 5/8     | 12      | 1            |
| K1610-Z44-12 | 3/4     | 12      | 1            |
| K1610-Z24-18 | 3/8     | 18      | 1            |
| K1610-Z28-18 | 7/16    | 18      | 1            |
| K1610-Z32-18 | 1/2     | 18      | 1            |
| K1610-Z36-18 | 9/16    | 18      | 1            |
| K1610-Z40-18 | 5/8     | 18      | 1            |
| K1610-Z44-18 | 3/4     | 18      | 1            |
| K1610-Z47-18 | 7/8     | 18      | 1            |
| K1610-Z24-24 | 3/8     | 24      | 1            |
| K1610-Z32-24 | 1/2     | 24      | 1            |
| K1610-Z40-24 | 5/8     | 24      | 1            |

BROCAS

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CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

# Cinceles SDS-Plus



## Cinceles SDS-Plus

- Para martillos eléctricos.
- Para uso en concreto, piedra natural y hormigón.



## Cinzel de Punta



| Art No. | Ø mm | L mm | S.P.Q. pc |
|---------|------|------|-----------|
| K1628   | /    | 250  | 1         |

## Cinzel Plano Angosto



| Art No. | Ø mm | L mm | S.P.Q. pc |
|---------|------|------|-----------|
| K1629   | 20   | 250  | 1         |

## Cinzel Plano Ancho



| Art No. | Ø mm | L mm | S.P.Q. pc |
|---------|------|------|-----------|
| K1630   | 40   | 250  | 1         |

## Cinzel Canal



| Art No. | Ø mm | L mm | S.P.Q. pc |
|---------|------|------|-----------|
| K1631   | 22   | 250  | 1         |

## Cinceles SDS-Plus Juego de 3 Piezas



| Art No. | Contenido                                                                                            |
|---------|------------------------------------------------------------------------------------------------------|
| K1633   | 1Pc Cinzel de Punta 14x250mm<br>1Pc Cinzel Plano Angosto 20x250mm<br>1Pc Cinzel Plano Ancho 40x250mm |

## Cinceles SDS-Plus Juego de 4 Piezas

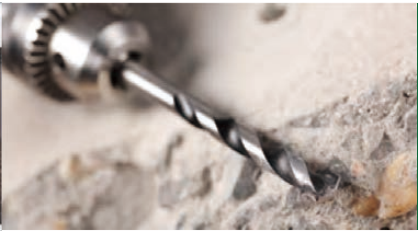


| Art No. | Contenido                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------|
| K1634   | 1Pc Cinzel de Punta 14x250mm<br>1Pc Cinzel Plano Angosto 20x250mm<br>1Pc Cinzel Plano Ancho 40x250mm<br>1Pc Cinzel Canal 22x250mm |

## Cinceles SDS-Plus Juego de 2 Piezas



| Art No. | Contenido                                                         |
|---------|-------------------------------------------------------------------|
| K1635   | 1Pc Cinzel de Punta 14x250mm<br>1Pc Cinzel Plano Angosto 20x250mm |



Portabrocas

Portabrocas sin LLave

- Curtido y rectificado de precisión para una alta concentricidad.



| Art No.        | Ø mm                            | L mm | S.P.Q. pc |
|----------------|---------------------------------|------|-----------|
| K1430-1,5-10-A | 1.5-10/ 1/16-3/8" (3/8"-24 UNF) | 59.5 | 1         |
| K1430-1,5-10-B | 1.5-10/ 1/16-3/8" (1/2"-20 UNF) | 59.5 | 1         |
| K1430-1,5-13-A | 1.5-13/ 1/16-1/2" (3/8"-24 UNF) | 70.5 | 1         |
| K1430-1,5-13-B | 1.5-13/ 1/16-1/2" (1/2"-20 UNF) | 70.5 | 1         |

Portabrocas sin LLave

- El mecanismo de auto-ajuste aumenta automáticamente el agarre.
- Mordazas endurecidas.



| Art No.      | Ø mm                          | L mm | S.P.Q. pc |
|--------------|-------------------------------|------|-----------|
| K1431-1-10-A | 1-10/ 1/32-3/8" (3/8"-24 UNF) | 59.5 | 1         |
| K1431-1-10-B | 1-10/ 1/32-3/8" (1/2"-20 UNF) | 59.5 | 1         |
| K1431-2-13-A | 2-13/ 1/16-1/2" (3/8"-24 UNF) | 70.5 | 1         |
| K1431-2-13-B | 2-13/ 1/16-1/2" (1/2"-20 UNF) | 70.5 | 1         |

Llave



| Art No.     | Ø mm         | L mm | S.P.Q. pc |
|-------------|--------------|------|-----------|
| K1432-6-56  | 6.0 x 56 mm  | /    | 1         |
| K1432-6-80  | 6.0 x 80 mm  | /    | 1         |
| K1432-6-110 | 6.0 x 110 mm | /    | 1         |

Adaptador SDS-Plus



| Art No. | Ø mm          | L mm | S.P.Q. pc |
|---------|---------------|------|-----------|
| K1699   | (1/2"-20 UNF) | /    | 1         |



BROCAS

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SERRADO

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MATERIAL POP

## Puntas de Destornillador



### Puntas de Destornillador Acero S2

- Disponibles en 1" y 2" de largo.
- Puntas de 1" se usan generalmente con un soporte en el taladro que proporciona una mayor flexibilidad que permite un ajuste magnético de la punta al elemento de fijación.
- Puntas de 2" se colocan directamente en el portabrocas.



### Phillips



| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6152-PH0-25-B | PH0  | 25      | 2            |
| K6152-PH1-25-B | PH1  | 25      | 2            |
| K6152-PH2-25-B | PH2  | 25      | 2            |
| K6152-PH3-25-B | PH3  | 25      | 2            |
| K6152-PH0-25   | PH0  | 25      | 20           |
| K6152-PH1-25   | PH1  | 25      | 20           |
| K6152-PH2-25   | PH2  | 25      | 20           |
| K6152-PH3-25   | PH3  | 25      | 20           |

| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6152-PH0-50-B | PH0  | 50      | 2            |
| K6152-PH1-50-B | PH1  | 50      | 2            |
| K6152-PH2-50-B | PH2  | 50      | 2            |
| K6152-PH3-50-B | PH3  | 50      | 2            |
| K6152-PH0-50   | PH0  | 50      | 20           |
| K6152-PH1-50   | PH1  | 50      | 20           |
| K6152-PH2-50   | PH2  | 50      | 20           |
| K6152-PH3-50   | PH3  | 50      | 20           |

### Torx



| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6154-T10-25-B | T10  | 25      | 2            |
| K6154-T15-25-B | T15  | 25      | 2            |
| K6154-T20-25-B | T20  | 25      | 2            |
| K6154-T25-25-B | T25  | 25      | 2            |
| K6154-T27-25-B | T27  | 25      | 2            |
| K6154-T30-25-B | T30  | 25      | 2            |
| K6154-T40-25-B | T40  | 25      | 2            |
| K6154-T10-25   | T10  | 25      | 20           |
| K6154-T15-25   | T15  | 25      | 20           |
| K6154-T20-25   | T20  | 25      | 20           |
| K6154-T25-25   | T25  | 25      | 20           |
| K6154-T27-25   | T27  | 25      | 20           |
| K6154-T30-25   | T30  | 25      | 20           |
| K6154-T40-25   | T40  | 25      | 20           |

| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6154-T10-50-B | T10  | 50      | 2            |
| K6154-T15-50-B | T15  | 50      | 2            |
| K6154-T20-50-B | T20  | 50      | 2            |
| K6154-T25-50-B | T25  | 50      | 2            |
| K6154-T27-50-B | T27  | 50      | 2            |
| K6154-T30-50-B | T30  | 50      | 2            |
| K6154-T40-50-B | T40  | 50      | 2            |
| K6154-T10-50   | T10  | 50      | 20           |
| K6154-T15-50   | T15  | 50      | 20           |
| K6154-T20-50   | T20  | 50      | 20           |
| K6154-T25-50   | T25  | 50      | 20           |
| K6154-T27-50   | T27  | 50      | 20           |
| K6154-T30-50   | T30  | 50      | 20           |
| K6154-T40-50   | T40  | 50      | 20           |

### Pozi



| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6151-PZ0-25-B | PZ0  | 25      | 2            |
| K6151-PZ1-25-B | PZ1  | 25      | 2            |
| K6151-PZ2-25-B | PZ2  | 25      | 2            |
| K6151-PZ3-25-B | PZ3  | 25      | 2            |
| K6151-PZ0-25   | PZ0  | 25      | 20           |
| K6151-PZ1-25   | PZ1  | 25      | 20           |
| K6151-PZ2-25   | PZ2  | 25      | 20           |
| K6151-PZ3-25   | PZ3  | 25      | 20           |

| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6151-PZ0-50-B | PZ0  | 50      | 2            |
| K6151-PZ1-50-B | PZ1  | 50      | 2            |
| K6151-PZ2-50-B | PZ2  | 50      | 2            |
| K6151-PZ3-50-B | PZ3  | 50      | 2            |
| K6151-PZ0-50   | PZ0  | 50      | 20           |
| K6151-PZ1-50   | PZ1  | 50      | 20           |
| K6151-PZ2-50   | PZ2  | 50      | 20           |
| K6151-PZ3-50   | PZ3  | 50      | 20           |

### Plano



| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6153-SL4-25-B | SL4  | 25      | 2            |
| K6153-SL5-25-B | SL5  | 25      | 2            |
| K6153-SL6-25-B | SL6  | 25      | 2            |
| K6153-SL4-25   | SL4  | 25      | 20           |
| K6153-SL5-25   | SL5  | 25      | 20           |
| K6153-SL6-25   | SL6  | 25      | 20           |

| Art No.        | Size | L<br>mm | S.P.Q.<br>pc |
|----------------|------|---------|--------------|
| K6153-SL4-50-B | SL4  | 50      | 2            |
| K6153-SL5-50-B | SL5  | 50      | 2            |
| K6153-SL6-50-B | SL6  | 50      | 2            |
| K6153-SL4-50   | SL4  | 50      | 20           |
| K6153-SL5-50   | SL5  | 50      | 20           |
| K6153-SL6-50   | SL6  | 50      | 20           |

### Doble Punta Phillips



| Art No. | Size         | L<br>mm | S.P.Q.<br>pc |
|---------|--------------|---------|--------------|
| K6169   | PH2-PH2X65MM | 65      | 10           |

| Art No. | Size         | L<br>mm | S.P.Q.<br>pc |
|---------|--------------|---------|--------------|
| K6169   | PH2-PH2X65MM | 65      | 10           |



Puntas de Destornillador

Puntas de Destornillador Impacto

- Forjadas para una óptima dureza, resistencia al desgaste y vida útil más larga.
- Disponibles en 1" y 2" de largo.



Phillips



| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6164-PH0-25 | PH0  | 25   | 2         |
| K6164-PH1-25 | PH1  | 25   | 2         |
| K6164-PH2-25 | PH2  | 25   | 2         |
| K6164-PH3-25 | PH3  | 25   | 2         |

| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6164-PH0-50 | PH0  | 50   | 2         |
| K6164-PH1-50 | PH1  | 50   | 2         |
| K6164-PH2-50 | PH2  | 50   | 2         |
| K6164-PH3-50 | PH3  | 50   | 2         |

Torx



| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6166-T10-25 | T10  | 25   | 2         |
| K6166-T15-25 | T15  | 25   | 2         |
| K6166-T20-25 | T20  | 25   | 2         |
| K6166-T25-25 | T25  | 25   | 2         |
| K6166-T27-25 | T27  | 25   | 2         |
| K6166-T30-25 | T30  | 25   | 2         |
| K6166-T40-25 | T40  | 25   | 2         |

| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6166-T10-50 | T10  | 50   | 2         |
| K6166-T15-50 | T15  | 50   | 2         |
| K6166-T20-50 | T20  | 50   | 2         |
| K6166-T25-50 | T25  | 50   | 2         |
| K6166-T27-50 | T27  | 50   | 2         |
| K6166-T30-50 | T30  | 50   | 2         |
| K6166-T40-50 | T40  | 50   | 2         |

Pozi



| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6163-PZ0-25 | PZ0  | 25   | 2         |
| K6163-PZ1-25 | PZ1  | 25   | 2         |
| K6163-PZ2-25 | PZ2  | 25   | 2         |
| K6163-PZ3-25 | PZ3  | 25   | 2         |

| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6163-PZ0-50 | PZ0  | 50   | 2         |
| K6163-PZ1-50 | PZ1  | 50   | 2         |
| K6163-PZ2-50 | PZ2  | 50   | 2         |
| K6163-PZ3-50 | PZ3  | 50   | 2         |

Plano



| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6165-SL4-25 | SL4  | 25   | 2         |
| K6165-SL5-25 | SL5  | 25   | 2         |
| K6165-SL6-25 | SL6  | 25   | 2         |

| Art No.      | Size | L mm | S.P.Q. pc |
|--------------|------|------|-----------|
| K6165-SL4-50 | SL4  | 50   | 2         |
| K6165-SL5-50 | SL5  | 50   | 2         |
| K6165-SL6-50 | SL6  | 50   | 2         |

Doble Punta Phillips



| Art No. | Size         | L mm | S.P.Q. pc |
|---------|--------------|------|-----------|
| K6168   | PH2-PH2X65MM | 65   | 10        |

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Fijadores



| Art No.     | Size<br>mm | S.P.Q.<br>pc |
|-------------|------------|--------------|
| K6170-06-48 | 6          | 1            |
| K6170-08-48 | 8          | 1            |
| K6170-10-48 | 10         | 1            |
| K6170-12-48 | 12         | 1            |
| K6170-13-48 | 13         | 1            |



Juego de 3 Fijadores



| Art No. | Size<br>mm | S.P.Q.<br>pc |
|---------|------------|--------------|
| K6171   | 6          | 1            |
|         | 8          | 1            |
|         | 10         | 1            |



Adaptador



| Art No.   | Size | L<br>mm | S.P.Q.<br>pc |
|-----------|------|---------|--------------|
| K6172-Z16 | 1/4  | 50      | 1            |
| K6172-Z24 | 3/8  | 50      | 1            |
| K6172-Z32 | 1/2  | 50      | 1            |



Juego de 3 Adaptadores



| Art No. | Size | L<br>mm | S.P.Q.<br>pc |
|---------|------|---------|--------------|
| K6173   | 1/4  | 50      | 1            |
|         | 3/8  | 50      | 1            |
|         | 1/2  | 50      | 1            |



Portapuntas Universal



| Art No.     | Size | L<br>mm | S.P.Q.<br>pc |
|-------------|------|---------|--------------|
| K6174-10-54 | 10   | 54      | 1            |
| K6174-10-60 | 10   | 60      | 1            |
| K6174-10-75 | 10   | 75      | 1            |



Adaptador de Cambio Rápido

- Disponible con imán.
- La punta puede saltar rápidamente sin salir volando.
- Manipulación rápida y sencilla con una sola mano.
- El adaptador magnético sostiene la punta del destornillador.



| Art No. | Size | L<br>mm | S.P.Q.<br>pc |
|---------|------|---------|--------------|
| K6175   | /    | 60      | 1            |



Fácil inserción y liberación



Juegos

Juego de 31 Puntas de Destornillador

- 1pcs Portapuntas: 120 mm
- 7pcs : 2mm, 3mm, 4mmx2pc, 5mm, 6mm, 7mm
- 6pcs : PH0, PH1, PH2x3pc, PH3
- 6pcs : 3mm, 3.5mm, 4mm, 5mm, 6mm, 7mm
- 3pcs : PZ1, PZ2, PZ3
- 8pcs : T9, T10, T15, T20, T25, T27, T30, T40



| Art No. | Size | L mm | S.P.Q. pc |
|---------|------|------|-----------|
| K6194   | /    | /    | /         |

Juego de 33 Puntas de Destornillador

- Hecho con cromo vanadrio CRV
- Incluye adaptador magnético L=25mm
- 7pcs : 0.5x4mm, 0.6x4.5mm, 0.8x5.5mmx2pc, 1x6mmx2pc, 1.2x7mm
- 6pcs : PH0, PH1x2pc, PH2x2pc, PH3
- 4pcs : PZ0, PZ1, PZ2, PZ3
- 6pcs : 2.5mm, 3mm, 4mm, 5mm, 5.5mm, 6mm
- 6pcs : T10, T15, T20, T25, T30, T40
- 3pcs : S1, S2, S3



| Art No. | Size | L mm | S.P.Q. pc |
|---------|------|------|-----------|
| K6193   | /    | /    | /         |

Juego de 10 Puntas de Destornillador

- Ideal para trabajos universales de atornillado.
- Apto para herramientas eléctricas y taladros eléctricos.



| Art No. | Contents                                                                                  |
|---------|-------------------------------------------------------------------------------------------|
| K6178   | 9 puntas:<br>PH1, PH2, PZ1, PZ2, SL5, SL6, T15, T20, T25<br>1 Portapuntas magnético 60 mm |

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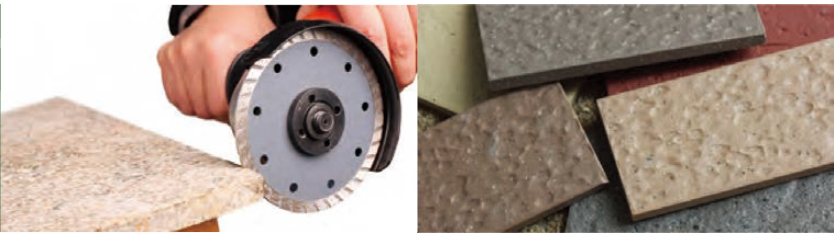
SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

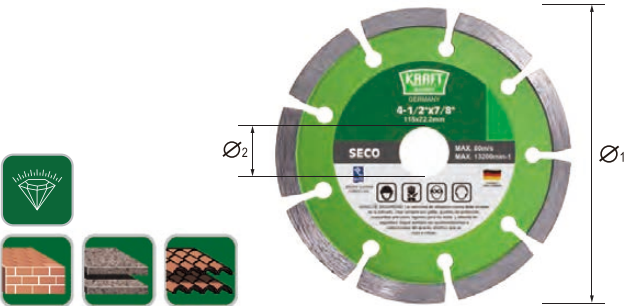


# Disco de Diamante Segmentado



## Disco de Diamante Segmentado

- Refrigeración óptima del disco durante su funcionamiento, lo que contribuye a una mayor velocidad de corte y menor esfuerzo de uso.
- Diseñado para uso sin necesidad de refrigeración.



| Art No. | Ø <sub>1</sub><br>mm | inch | Ø <sub>2</sub><br>mm | inch             | S.P.Q.<br>pc |
|---------|----------------------|------|----------------------|------------------|--------------|
| K1475-0 | 100                  | 4"   | 16/20                | 5/8" / 7/8"      | 1            |
| K1475-1 | 115                  | 4.5" | 16/20/22.2           | 5/8" / 7/8"      | 1            |
| K1475-6 | 180                  | 7"   | 16/20/22.2           | 5/8" / 7/8"      | 1            |
| K1475-7 | 230                  | 9"   | 16/20/22.2/25.4      | 5/8" / 7/8" / 1" | 1            |

## Disco de Diamante Continuo

- Proporciona una precisión máxima de corte y pulcritud sin gravilla e irregularidades, incluso en azulejos.
- Gracias a un diseño especial del filo de corte, estos discos tienen características de bajo rendimiento. Es por eso que se utilizan en trabajos que requieren un corte preciso de alta calidad en materiales de baja resistencia.
- Diseño para uso exclusivo de refrigerante.



| Art No. | Ø <sub>1</sub><br>mm | inch | Ø <sub>2</sub><br>mm | inch             | S.P.Q.<br>pc |
|---------|----------------------|------|----------------------|------------------|--------------|
| K1476-0 | 100                  | 4"   | 16/20                | 5/8" / 7/8"      | 1            |
| K1476-1 | 115                  | 4.5" | 16/20/22.2           | 5/8" / 7/8"      | 1            |
| K1476-6 | 180                  | 7"   | 16/20/22.2           | 5/8" / 7/8"      | 1            |
| K1476-7 | 230                  | 9"   | 16/20/22.2/25.4      | 5/8" / 7/8" / 1" | 1            |

## Disco de Diamante-Turbo

- Para varias aplicaciones en una amplia gama de materiales de construcción.
- Costo relativamente bajo para los altos rendimientos de corte.
- Puede ser utilizado para el corte en seco sin refrigeración especial de agua.



| Art No. | Ø <sub>1</sub><br>mm | inch | Ø <sub>2</sub><br>mm | inch             | S.P.Q.<br>pc |
|---------|----------------------|------|----------------------|------------------|--------------|
| K1477-0 | 100                  | 4"   | 16/20                | 5/8" / 7/8"      | 1            |
| K1477-1 | 115                  | 4.5" | 16/20/22.2           | 5/8" / 7/8"      | 1            |
| K1477-6 | 180                  | 7"   | 16/20/22.2           | 5/8" / 7/8"      | 1            |
| K1477-7 | 230                  | 9"   | 16/20/22.2/25.4      | 5/8" / 7/8" / 1" | 1            |

## Juego de 3 Discos de Diamante



| Art No. | Ø <sub>1</sub><br>mm | mm         | Ø <sub>2</sub><br>inch | S.P.Q.<br>pc |
|---------|----------------------|------------|------------------------|--------------|
| K1470   | 115                  | 16/20/22.2 | 5/8" / 7/8"            | 1            |

## Disco de Diamante para Pulir de Doble Filo

- Pule superficies de hormigón, piedra natural y materiales de construcción



| Art No. | Ø<br>mm | inch | Tips Number | S.P.Q.<br>pc |
|---------|---------|------|-------------|--------------|
| K1492-5 | 125     | 5"   | 10T         | 1            |

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## Discos de Corte y de Desbaste

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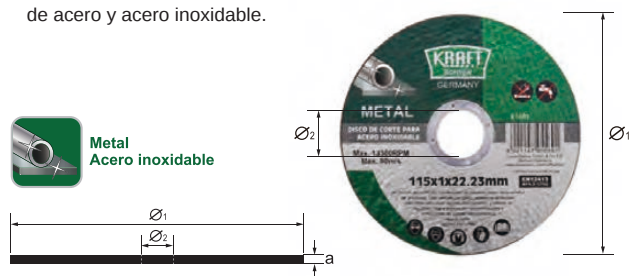
LLAVES

LÁPICES Y  
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**KRAFT**  
BOHRER

## Disco de Corte Plano para Acero Inoxidable



- Estos discos de menos espesor garantizan un corte preciso y delicado de las piezas hechas de aleaciones de acero de alta calidad y acero inoxidable.
- El rendimiento de vida de un disco para un propósito específico es significativamente más larga que la de un disco universal.
- Para corte de estructuras de al de acero y acero inoxidable.



| Art No.  | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|----------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1485-3  | 115x1x22.2                                          | 4-1/2"x3/64"x7/8"                                     | 13300                  | 1            |
| K1485-4  | 115x1.6x22.2                                        | 4-1/2"x1/16"x7/8"                                     | 13300                  | 1            |
| K1485-9  | 180x1.6x22.2                                        | 7"x1/16"x7/8"                                         | 8500                   | 1            |
| K1485-10 | 180x2x22.2                                          | 7"x1/12"x7/8"                                         | 8500                   | 1            |
| K1485-11 | 230x2x22.2                                          | 9"x1/12"x7/8"                                         | 6600                   | 1            |

## Disco de Corte Plano para Metal

- Debido a una especial combinación del material abrasivo, el tipo de aglutinante y la dureza, estos discos son de usos múltiples y para la más amplia gama de aplicaciones.
- Corta tubos/tuberías, partes y estructuras de diferentes materiales.



| Art No.  | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|----------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1479-5  | 115x1x22.2                                          | 4-1/2"x3/64"x7/8"                                     | 13300                  | 1            |
| K1479-6  | 115x1.6x22.2                                        | 4-1/2"x1/16"x7/8"                                     | 13300                  | 1            |
| K1479-16 | 180x1.6x22.2                                        | 7"x1/16"x7/8"                                         | 8500                   | 1            |
| K1479-17 | 180x2x22.2                                          | 7"x1/12"x7/8"                                         | 8500                   | 1            |
| K1479-20 | 230x2x22.2                                          | 9"x1/12"x7/8"                                         | 6600                   | 1            |

## Disco de Corte para Metal

- Debido a una especial combinación del material abrasivo, el tipo de aglutinante y la dureza, estos discos son de usos múltiples y para la más amplia gama de aplicaciones.
- Corta tubos/tuberías, partes y estructuras de diferentes materiales.



| Art No.  | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|----------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1480-3  | 115x3x22.2                                          | 4-1/2"x1/8"x7/8"                                      | 13300                  | 1            |
| K1480-8  | 180x3x22.2                                          | 7"x1/8"x7/8"                                          | 8500                   | 1            |
| K1480-10 | 230x3x22.2                                          | 9"x1/8"x7/8"                                          | 6600                   | 1            |

Discos de Corte y de Desbaste



Disco de Desbaste para Metal

- Este es un disco universal usado para diferentes tipos de aplicaciones.
- Rectificado de piezas y estructuras hechas de diferentes tipos de acero.



Para esmeriladora angular



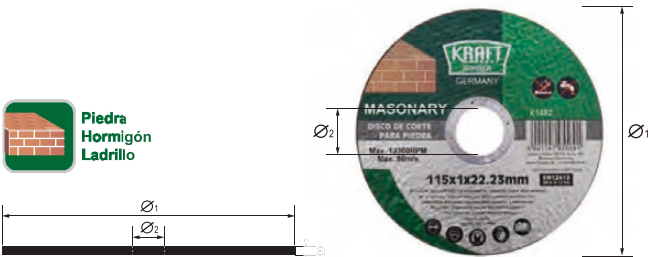
| Art No. | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|---------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1481-2 | 115x6x22.2                                          | 4-1/2"x1/4"x7/8"                                      | 13300                  | 1            |
| K1481-5 | 180x6x22.2                                          | 7"x1/4"x7/8"                                          | 8500                   | 1            |
| K1481-6 | 230x6x22.2                                          | 9"x1/4"x7/8"                                          | 6600                   | 1            |

Disco de Corte Plano para Piedra

- Debido a la especial combinación de materiales abrasivos, el tipo de aglutinante y la dureza, estos discos son ideales para el tratamiento de piedra, hormigón, ladrillo y otros materiales de construcción.
- Para el tratamiento de la piedra natural y artificial de resistencia media, mármol, piedra arenisca y ladrillo.



Para esmeriladora angular



| Art No.  | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|----------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1482-8  | 115x3x22.2                                          | 4-1/2"x1/8"x7/8"                                      | 13300                  | 1            |
| K1482-18 | 180x3x22.2                                          | 7"x1/8"x7/8"                                          | 8500                   | 1            |
| K1482-21 | 230x3x22.2                                          | 9"x1/8"x7/8"                                          | 6600                   | 1            |

Disco de Corte para Piedra

- Debido a una especial combinación del material abrasivo, el tipo de aglutinante y la dureza, estos discos son ideales para el tratamiento de piedra, hormigón, ladrillo y otros materiales de construcción.
- Para materiales como la piedra natural y artificial de resistencia media, mármol, piedra arenisca y ladrillo.



Corte



| Art No.  | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|----------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1483-3  | 115x3x22.2                                          | 4-1/2"x1/8"x7/8"                                      | 13300                  | 1            |
| K1483-8  | 180x3x22.2                                          | 7"x1/8"x7/8"                                          | 8500                   | 1            |
| K1483-10 | 230x3x22.2                                          | 9"x1/8"x7/8"                                          | 6600                   | 1            |

Disco de Desbaste para Piedra

- Debido a una especial combinación del material abrasivo, el tipo de aglutinante y la dureza, estos discos son ideales para el tratamiento de piedra, hormigón, ladrillo y otros materiales de construcción.
- Para materiales como la piedra natural y artificial de resistencia media, mármol, piedra arenisca y ladrillo.



Para esmeriladora angular



| Art No. | $\varnothing_1 \times a \times \varnothing_2$<br>mm | $\varnothing_1 \times a \times \varnothing_2$<br>inch | Max Velocidad<br>r.p.m | S.P.Q.<br>pc |
|---------|-----------------------------------------------------|-------------------------------------------------------|------------------------|--------------|
| K1484-2 | 115x6x22.2                                          | 4-1/2"x1/4"x7/8"                                      | 13300                  | 1            |
| K1484-5 | 180x6x22.2                                          | 7"x1/4"x7/8"                                          | 8500                   | 1            |
| K1484-6 | 230x6x22.2                                          | 9"x1/4"x7/8"                                          | 6600                   | 1            |



## Hojas de Sierra Circular

### Hoja de Sierra Circular con Punta TCT

- La forma del diente permite cortar a veta y a través de veta.
- El cuerpo duro permite realizar cortes pesados.
- Aplicaciones profesionales en todas las maderas.



| Art No.      | Ø<br>mm                   | L<br>mm | S.P.Q.<br>pc |
|--------------|---------------------------|---------|--------------|
| K1486-100-30 | 4" (100mm)x 16mm          | 30T     | 1            |
| K1486-100-40 | 4" (100mm)x 16mm          | 40T     | 1            |
| K1486-150-18 | 6" (150mm)x 16/20mm       | 18T     | 1            |
| K1486-150-40 | 6" (150mm)x 16/20mm       | 40T     | 1            |
| K1486-150-60 | 6" (150mm)x 16/20mm       | 60T     | 1            |
| K1486-180-18 | 7" (180mm)x 16/20/25.4mm  | 18T     | 1            |
| K1486-180-24 | 7" (180mm)x 16/20/25.4mm  | 24T     | 1            |
| K1486-180-40 | 7" (180mm)x 16/20/25.4mm  | 40T     | 1            |
| K1486-180-60 | 7" (180mm)x 16/20/25.4mm  | 60T     | 1            |
| K1486-200-24 | 8" (200mm)x 20/25.4/30mm  | 24T     | 1            |
| K1486-200-40 | 8" (200mm)x 20/25.4/30mm  | 40T     | 1            |
| K1486-230-40 | 9" (230mm)x 20/25.4/30mm  | 40T     | 1            |
| K1486-250-40 | 10" (250mm)x 20/25.4/30mm | 40T     | 1            |
| K1486-250-60 | 10" (250mm)x 20/25.4/30mm | 60T     | 1            |
| K1486-300-40 | 12" (300mm)x 20/25.4/30mm | 40T     | 1            |
| K1486-300-60 | 12" (300mm)x 20/25.4/30mm | 60T     | 1            |
| K1486-300-80 | 12" (300mm)x 20/25.4/30mm | 80T     | 1            |
| K1486-350-40 | 14" (350mm)x 20/25.4/30mm | 40T     | 1            |
| K1486-350-60 | 14" (350mm)x 20/25.4/30mm | 60T     | 1            |
| K1486-350-80 | 14" (350mm)x 20/25.4/30mm | 80T     | 1            |

### Hoja de Sierra Circular TCT para Aluminio



| Art No.      | Ø<br>mm                   | L<br>mm | S.P.Q.<br>pc |
|--------------|---------------------------|---------|--------------|
| K1487-100-30 | 4" (100mm)x 16mm          | 30T     | 1            |
| K1487-100-40 | 4" (100mm)x 16mm          | 40T     | 1            |
| K1487-150-18 | 6" (150mm)x 16/20mm       | 18T     | 1            |
| K1487-150-40 | 6" (150mm)x 16/20mm       | 40T     | 1            |
| K1487-150-60 | 6" (150mm)x 16/20mm       | 60T     | 1            |
| K1487-180-18 | 7" (180mm)x 16/20/25.4mm  | 18T     | 1            |
| K1487-180-24 | 7" (180mm)x 16/20/25.4mm  | 24T     | 1            |
| K1487-180-40 | 7" (180mm)x 16/20/25.4mm  | 40T     | 1            |
| K1487-180-60 | 7" (180mm)x 16/20/25.4mm  | 60T     | 1            |
| K1487-200-24 | 8" (200mm)x 20/25.4/30mm  | 24T     | 1            |
| K1487-200-40 | 8" (200mm)x 20/25.4/30mm  | 40T     | 1            |
| K1487-230-40 | 9" (230mm)x 20/25.4/30mm  | 40T     | 1            |
| K1487-250-40 | 10" (250mm)x 20/25.4/30mm | 40T     | 1            |
| K1487-250-60 | 10" (250mm)x 20/25.4/30mm | 60T     | 1            |
| K1487-300-40 | 12" (300mm)x 20/25.4/30mm | 40T     | 1            |
| K1487-300-60 | 12" (300mm)x 20/25.4/30mm | 60T     | 1            |
| K1487-300-80 | 12" (300mm)x 20/25.4/30mm | 80T     | 1            |
| K1487-350-40 | 14" (350mm)x 20/25.4/30mm | 40T     | 1            |
| K1487-350-60 | 14" (350mm)x 20/25.4/30mm | 60T     | 1            |
| K1487-350-80 | 14" (350mm)x 20/25.4/30mm | 80T     | 1            |



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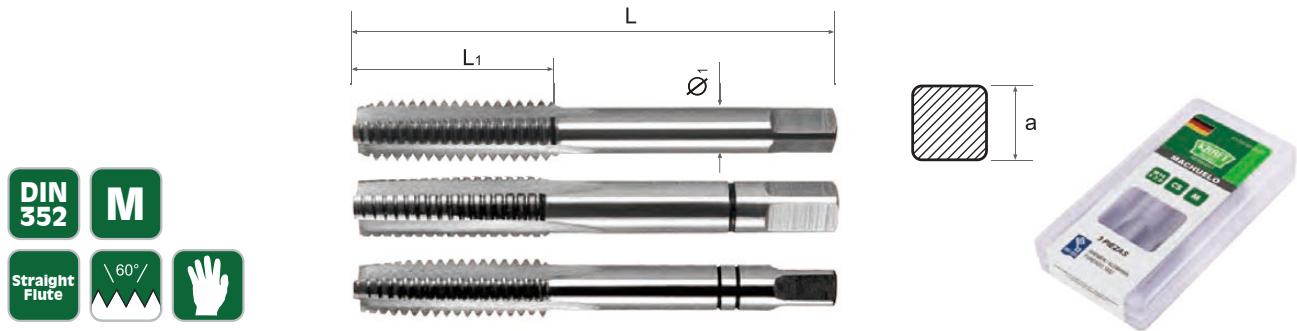
LLAVES

LÁPICES Y  
MATERIAL POP

Machuelos

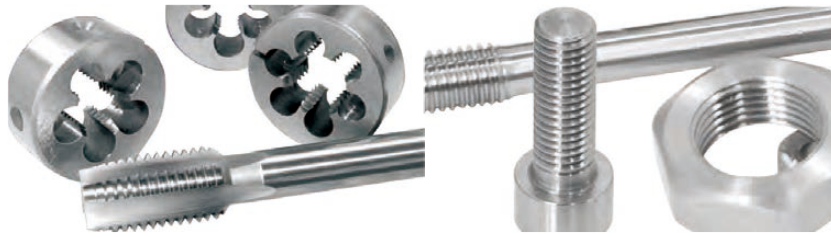


Juego de 3 Machuelos  
Rosca Métrica



| Art No.         | Medidas<br>mm | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|-----------------|---------------|----------------------|----------------------|---------|---------|--------------|
| K1700-M1.1x0.25 | M1.1x0.25     | 2.5                  | 5.5                  | 32      | 2.1     | 3            |
| K1700-M1.2x0.25 | M1.2x0.25     | 2.5                  | 5.5                  | 32      | 2.1     | 3            |
| K1700-M1.4x0.3  | M1.4x0.3      | 2.5                  | 7.0                  | 32      | 2.1     | 3            |
| K1700-M1.6x0.35 | M1.6x0.35     | 2.5                  | 8.0                  | 32      | 2.1     | 3            |
| K1700-M1.7x0.35 | M1.7x0.35     | 2.5                  | 8.0                  | 32      | 2.1     | 3            |
| K1700-M1.8x0.35 | M1.8x0.35     | 2.5                  | 8.0                  | 32      | 2.1     | 3            |
| K1700-M2x0.4    | M2x0.4        | 2.8                  | 8.0                  | 36      | 2.1     | 3            |
| K1700-M2.2x0.45 | M2.2x0.45     | 2.8                  | 9.0                  | 36      | 2.1     | 3            |
| K1700-M2.3x0.4  | M2.3x0.4      | 2.8                  | 9.0                  | 36      | 2.1     | 3            |
| K1700-M2.5x0.45 | M2.5x0.45     | 2.8                  | 9.0                  | 40      | 2.1     | 3            |
| K1700-M2.6x0.45 | M2.6x0.45     | 2.8                  | 9.0                  | 40      | 2.1     | 3            |
| K1700-M3x0.35   | M3x0.35       | 3.5                  | 9.0                  | 40      | 2.7     | 3            |
| K1700-M3x0.5    | M3x0.5        | 3.5                  | 11.0                 | 40      | 2.7     | 3            |
| K1700-M3.5x0.6  | M3.5x0.6      | 4.0                  | 13.0                 | 45      | 3.0     | 3            |
| K1700-M4x0.35   | M4x0.35       | 4.5                  | 10.0                 | 45      | 3.4     | 3            |
| K1700-M4x0.5    | M4x0.5        | 4.5                  | 10.0                 | 45      | 3.4     | 3            |
| K1700-M4x0.7    | M4x0.7        | 4.5                  | 13.0                 | 45      | 3.4     | 3            |
| K1700-M4.5x0.75 | M4.5x0.75     | 6.0                  | 16.0                 | 50      | 4.9     | 3            |
| K1700-M5x0.5    | M5x0.5        | 6.0                  | 12.0                 | 50      | 4.9     | 3            |
| K1700-M5x0.75   | M5x0.75       | 6.0                  | 12.0                 | 50      | 4.9     | 3            |
| K1700-M5x0.8    | M5x0.8        | 6.0                  | 16.0                 | 50      | 4.9     | 3            |
| K1700-M5.5x0.9  | M5.5x0.9      | 6.0                  | 18.0                 | 50      | 4.9     | 3            |
| K1700-M6x0.5    | M6x0.5        | 6.0                  | 14.0                 | 50      | 4.9     | 3            |
| K1700-M6x0.75   | M6x0.75       | 6.0                  | 14.0                 | 50      | 4.9     | 3            |
| K1700-M6x1.0    | M6x1.0        | 6.0                  | 19.0                 | 50      | 4.9     | 3            |
| K1700-M7x0.75   | M7x0.75       | 6.0                  | 14.0                 | 50      | 4.9     | 3            |
| K1700-M7x1.0    | M7x1.0        | 6.0                  | 19.0                 | 50      | 4.9     | 3            |
| K1700-M8x0.5    | M8x0.5        | 6.0                  | 19.0                 | 50      | 4.9     | 3            |
| K1700-M8x0.75   | M8x0.75       | 6.0                  | 19.0                 | 50      | 4.9     | 3            |
| K1700-M8x1.0    | M8x1.0        | 6.0                  | 22.0                 | 56      | 4.9     | 3            |
| K1700-M8x1.25   | M8x1.25       | 6.0                  | 22.0                 | 56      | 4.9     | 3            |
| K1700-M9x0.75   | M9x0.75       | 7.0                  | 19.0                 | 56      | 5.5     | 3            |
| K1700-M9x1.0    | M9x1.0        | 7.0                  | 20.0                 | 63      | 5.5     | 3            |
| K1700-M9x1.25   | M9x1.25       | 7.0                  | 22.0                 | 63      | 5.5     | 3            |

| Art No.        | Medidas<br>mm | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|----------------|---------------|----------------------|----------------------|---------|---------|--------------|
| K1700-M10x0.75 | M10x0.75      | 7.0                  | 20.0                 | 63      | 5.5     | 3            |
| K1700-M10x1.0  | M10x1.0       | 7.0                  | 20.0                 | 63      | 5.5     | 3            |
| K1700-M10x1.25 | M10x1.25      | 7.0                  | 24.0                 | 70      | 5.5     | 3            |
| K1700-M10x1.5  | M10x1.5       | 7.0                  | 24.0                 | 70      | 5.5     | 3            |
| K1700-M11x0.75 | M11x0.75      | 8.0                  | 20.0                 | 63      | 6.2     | 3            |
| K1700-M11x1.0  | M11x1.0       | 8.0                  | 20.0                 | 63      | 6.2     | 3            |
| K1700-M11x1.25 | M11x1.25      | 8.0                  | 22.0                 | 63      | 6.2     | 3            |
| K1700-M11x1.5  | M11x1.5       | 8.0                  | 24.0                 | 70      | 6.2     | 3            |
| K1700-M12x0.5  | M12x0.5       | 9.0                  | 22.0                 | 70      | 7.0     | 3            |
| K1700-M12x0.75 | M12x0.75      | 9.0                  | 22.0                 | 70      | 7.0     | 3            |
| K1700-M12x1.0  | M12x1.0       | 9.0                  | 22.0                 | 70      | 7.0     | 3            |
| K1700-M12x1.25 | M12x1.25      | 9.0                  | 22.0                 | 70      | 7.0     | 3            |
| K1700-M12x1.5  | M12x1.5       | 9.0                  | 22.0                 | 70      | 7.0     | 3            |
| K1700-M12x1.75 | M12x1.75      | 9.0                  | 29.0                 | 75      | 7.0     | 3            |
| K1700-M13x1.0  | M13x1.0       | 11.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M13x1.5  | M13x1.5       | 11.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M14x0.75 | M14x0.75      | 11.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M14x1.0  | M14x1.0       | 11.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M14x1.25 | M14x1.25      | 11.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M14x1.5  | M14x1.5       | 11.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M14x2.0  | M14x2.0       | 11.0                 | 30.0                 | 80      | 9.0     | 3            |
| K1700-M15x1.0  | M15x1.0       | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M15x1.5  | M15x1.5       | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M15x2.0  | M15x2.0       | 12.0                 | 32.0                 | 80      | 9.0     | 3            |
| K1700-M16x1.0  | M16x1.0       | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M16x1.25 | M16x1.25      | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M16x1.5  | M16x1.5       | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M17x1.0  | M17x1.0       | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M17x1.5  | M17x1.5       | 12.0                 | 22.0                 | 70      | 9.0     | 3            |
| K1700-M18x1.0  | M18x1.0       | 14.0                 | 22.0                 | 80      | 11.0    | 3            |
| K1700-M18x1.25 | M18x1.25      | 14.0                 | 22.0                 | 80      | 11.0    | 3            |
| K1700-M18x1.5  | M18x1.5       | 14.0                 | 22.0                 | 80      | 11.0    | 3            |
| K1700-M18x2.0  | M18x2.0       | 14.0                 | 22.0                 | 80      | 11.0    | 3            |
| K1700-M19x1.5  | M19x1.5       | 14.0                 | 22.0                 | 80      | 11.0    | 3            |



## Machuelos

| Art No.        | Medidas<br>mm | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|----------------|---------------|----------------------|----------------------|---------|---------|--------------|
| K1700-M20x1.0  | M20x1.0       | 16.0                 | 22.0                 | 80      | 12.0    | 3            |
| K1700-M20x1.25 | M20x1.25      | 16.0                 | 22.0                 | 80      | 12.0    | 3            |
| K1700-M20x1.5  | M20x1.5       | 16.0                 | 22.0                 | 80      | 12.0    | 3            |
| K1700-M20x2.0  | M20x2.0       | 16.0                 | 22.0                 | 80      | 12.0    | 3            |
| K1700-M21x1.5  | M21x1.5       | 16.0                 | 22.0                 | 80      | 12.0    | 3            |
| K1700-M22x1.0  | M22x1.0       | 18.0                 | 22.0                 | 80      | 14.5    | 3            |
| K1700-M22x1.25 | M22x1.25      | 18.0                 | 22.0                 | 80      | 14.5    | 3            |
| K1700-M22x1.5  | M22x1.5       | 18.0                 | 22.0                 | 80      | 14.5    | 3            |
| K1700-M22x2.0  | M22x2.0       | 18.0                 | 22.0                 | 80      | 14.5    | 3            |
| K1700-M23x1.5  | M23x1.5       | 18.0                 | 22.0                 | 80      | 14.5    | 3            |
| K1700-M24x1.0  | M24x1.0       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M24x1.25 | M24x1.25      | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M24x1.5  | M24x1.5       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M24x2.0  | M24x2.0       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M25x1.0  | M25x1.0       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M25x1.5  | M25x1.5       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M26x1.0  | M26x1.0       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M26x1.5  | M26x1.5       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M26x2.0  | M26x2.0       | 18.0                 | 22.0                 | 90      | 14.5    | 3            |
| K1700-M27x1.0  | M27x1.0       | 20.0                 | 22.0                 | 90      | 16.0    | 3            |
| K1700-M27x1.5  | M27x1.5       | 20.0                 | 22.0                 | 90      | 16.0    | 3            |
| K1700-M27x2.0  | M27x2.0       | 20.0                 | 22.0                 | 90      | 16.0    | 3            |
| K1700-M28x1.0  | M28x1.0       | 20.0                 | 22.0                 | 90      | 16.0    | 3            |
| K1700-M28x1.5  | M28x1.5       | 20.0                 | 22.0                 | 90      | 16.0    | 3            |
| K1700-M28x2.0  | M28x2.0       | 20.0                 | 22.0                 | 90      | 16.0    | 3            |
| K1700-M29x1.5  | M29x1.5       | 22.0                 | 22.0                 | 90      | 18.0    | 3            |
| K1700-M30x1.0  | M30x1.0       | 22.0                 | 22.0                 | 90      | 18.0    | 3            |
| K1700-M30x1.5  | M30x1.5       | 22.0                 | 22.0                 | 90      | 18.0    | 3            |
| K1700-M30x2.0  | M30x2.0       | 22.0                 | 22.0                 | 90      | 18.0    | 3            |
| K1700-M30x2.5  | M30x2.5       | 22.0                 | 56.0                 | 125     | 18.0    | 3            |
| K1700-M30x3.0  | M30x3.0       | 22.0                 | 56.0                 | 125     | 18.0    | 3            |

| Art No.       | Medidas<br>mm | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|---------------|---------------|----------------------|----------------------|---------|---------|--------------|
| K1700-M32x1.5 | M32x1.5       | 22.0                 | 22.0                 | 90      | 18.0    | 3            |
| K1700-M32x2.0 | M32x2.0       | 22.0                 | 22.0                 | 90      | 18.0    | 3            |
| K1700-M32x3.0 | M32x3.0       | 22.0                 | 26.0                 | 125     | 18.0    | 3            |
| K1700-M33x1.5 | M33x1.5       | 25.0                 | 25.0                 | 100     | 20.0    | 3            |
| K1700-M33x2.0 | M33x2.0       | 25.0                 | 25.0                 | 100     | 20.0    | 3            |
| K1700-M33x3.0 | M33x3.0       | 25.0                 | 26.0                 | 125     | 20.0    | 3            |
| K1700-M34x1.5 | M34x1.5       | 28.0                 | 25.0                 | 100     | 22.0    | 3            |
| K1700-M34x2.0 | M34x2.0       | 28.0                 | 40.0                 | 125     | 22.0    | 3            |
| K1700-M35x1.5 | M35x1.5       | 28.0                 | 25.0                 | 100     | 22.0    | 3            |
| K1700-M36x1.5 | M36x1.5       | 28.0                 | 25.0                 | 100     | 22.0    | 3            |
| K1700-M36x2.0 | M36x2.0       | 28.0                 | 40.0                 | 125     | 22.0    | 3            |
| K1700-M36x3.0 | M36x3.0       | 28.0                 | 40.0                 | 125     | 22.0    | 3            |
| K1700-M38x1.5 | M38x1.5       | 28.0                 | 25.0                 | 100     | 22.0    | 3            |
| K1700-M38x2.0 | M38x2.0       | 28.0                 | 40.0                 | 125     | 22.5    | 3            |
| K1700-M39x1.5 | M39x1.5       | 32.0                 | 25.0                 | 110     | 24.0    | 3            |
| K1700-M39x2.0 | M39x2.0       | 32.0                 | 40.0                 | 125     | 24.0    | 3            |
| K1700-M39x3.0 | M39x3.0       | 32.0                 | 40.0                 | 125     | 24.0    | 3            |
| K1700-M40x1.5 | M40x1.5       | 32.0                 | 25.0                 | 110     | 24.0    | 3            |
| K1700-M40x2.0 | M40x2.0       | 32.0                 | 40.0                 | 125     | 24.0    | 3            |
| K1700-M40x3.0 | M40x3.0       | 32.0                 | 40.0                 | 125     | 24.0    | 3            |
| K1700-M42x1.5 | M42x1.5       | 32.0                 | 25.0                 | 110     | 24.0    | 3            |
| K1700-M42x2.0 | M42x2.0       | 32.0                 | 40.0                 | 125     | 24.0    | 3            |
| K1700-M42x3.0 | M42x3.0       | 32.0                 | 40.0                 | 125     | 24.0    | 3            |
| K1700-M45x1.5 | M45x1.5       | 36.0                 | 25.0                 | 110     | 29.0    | 3            |
| K1700-M45x2.0 | M45x2.0       | 36.0                 | 40.0                 | 125     | 29.0    | 3            |
| K1700-M45x3.0 | M45x3.0       | 36.0                 | 40.0                 | 125     | 29.0    | 3            |
| K1700-M48x1.5 | M48x1.5       | 36.0                 | 40.0                 | 140     | 29.0    | 3            |
| K1700-M48x2.0 | M48x2.0       | 36.0                 | 40.0                 | 140     | 29.0    | 3            |
| K1700-M48x3.0 | M48x3.0       | 36.0                 | 40.0                 | 140     | 29.0    | 3            |
| K1700-M50x1.5 | M50x1.5       | 36.0                 | 40.0                 | 140     | 29.0    | 3            |
| K1700-M50x2.0 | M50x2.0       | 36.0                 | 40.0                 | 140     | 29.0    | 3            |
| K1700-M50x3.0 | M50x3.0       | 36.0                 | 40.0                 | 140     | 29.0    | 3            |
| K1700-M52x1.5 | M52x1.5       | 40.0                 | 40.0                 | 140     | 32.0    | 3            |
| K1700-M52x2.0 | M52x2.0       | 40.0                 | 40.0                 | 140     | 32.0    | 3            |
| K1700-M52x3.0 | M52x3.0       | 40.0                 | 40.0                 | 140     | 32.0    | 3            |

## Rosca NPT



| Art No.            | Medidas<br>inch | TPI    | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L <sub>2</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|--------------------|-----------------|--------|----------------------|----------------------|----------------------|---------|---------|--------------|
| K1718-Z08-27       | 1/8             | 27     | 8                    | 15                   | 7.9                  | 59      | 6.3     | 1            |
| K1718-Z16-18       | 1/4             | 18     | 10                   | 19                   | 11.7                 | 67      | 8       | 1            |
| K1718-Z24-18       | 3/8             | 18     | 12.5                 | 21                   | 11.5                 | 75      | 10      | 1            |
| K1718-Z32-14       | 1/2             | 14     | 16                   | 26                   | 14.7                 | 87      | 12.5    | 1            |
| K1718-Z44-14       | 3/4             | 14     | 20                   | 28                   | 14.4                 | 96      | 16      | 1            |
| K1718-Z51-11-1/2   | 1               | 11-1/2 | 25                   | 33                   | 17.2                 | 109     | 20      | 1            |
| K1718-Z5116-11-1/2 | 1-1/4           | 11-1/2 | 31.5                 | 36                   | 17.4                 | 119     | 25      | 1            |
| K1718-Z5132-11-1/2 | 1-1/2           | 11-1/2 | 35.5                 | 37                   | 17.8                 | 125     | 28      | 1            |
| K1718-Z52-11-1/2   | 2               | 11-1/2 | 40                   | 41                   | 16.9                 | 140     | 31.5    | 1            |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

GERMANY

**KRAFT**  
BOHRER

Machuelos



Juegos de 3 Machuelos

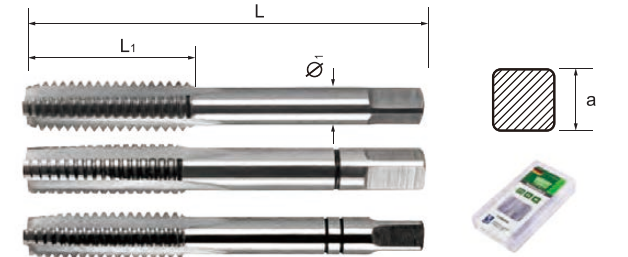
Rosca BSW

| Art No.       | Medidas<br>inch | TPI | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|---------------|-----------------|-----|----------------------|----------------------|---------|---------|--------------|
| K1702-Z04-60  | 1/16            | 60  | 2.5                  | 8.0                  | 41      | 2.0     | 3            |
| K1702-Z06-48  | 3/32            | 48  | 2.8                  | 9.5                  | 44.5    | 2.24    | 3            |
| K1702-Z08-40  | 1/8             | 40  | 3.15                 | 11.0                 | 48      | 2.5     | 3            |
| K1702-Z10-32  | 5/32            | 32  | 4.0                  | 13.0                 | 53      | 3.15    | 3            |
| K1702-Z12-24  | 3/16            | 24  | 5.0                  | 16.0                 | 58      | 4.0     | 3            |
| K1702-Z16-20  | 1/4             | 20  | 6.3                  | 19.0                 | 66      | 5.0     | 3            |
| K1702-Z20-18  | 5/16            | 18  | 8.0                  | 22.0                 | 72      | 6.3     | 3            |
| K1702-Z24-16  | 3/8             | 16  | 10.0                 | 24.0                 | 80      | 8.0     | 3            |
| K1702-Z28-14  | 7/16            | 14  | 8.0                  | 25.0                 | 85      | 6.3     | 3            |
| K1702-Z32-12  | 1/2             | 12  | 9.0                  | 29.0                 | 89      | 7.1     | 3            |
| K1702-Z36-12  | 9/16            | 12  | 11.2                 | 30.0                 | 95      | 9.0     | 3            |
| K1702-Z40-11  | 5/8             | 11  | 12.5                 | 32.0                 | 102     | 10.0    | 3            |
| K1702-Z44-10  | 3/4             | 10  | 14.0                 | 37.0                 | 112     | 11.2    | 3            |
| K1702-Z47-09  | 7/8             | 9   | 16.0                 | 38.0                 | 118     | 12.5    | 3            |
| K1702-Z51-08  | 1               | 8   | 18.0                 | 45.0                 | 130     | 14.0    | 3            |
| K1702-Z58-07  | 1-1/8           | 7   | 20.0                 | 48.0                 | 138     | 16.0    | 3            |
| K1702-Z66-07  | 1-1/4           | 7   | 22.4                 | 51.0                 | 151     | 18.0    | 3            |
| K1702-Z82-06  | 1-1/2           | 6   | 28.0                 | 60.0                 | 170     | 22.4    | 3            |
| K1702-Z94-05  | 1-3/4           | 5   | 31.5                 | 67.0                 | 187     | 25.0    | 3            |
| K1702-Z100-05 | 2               | 4.5 | 35.5                 | 70.0                 | 200     | 28.0    | 3            |

Straight  
Flute

DIN  
352

BSW



Rosca BSP

| Art No.        | Medidas<br>inch | TPI | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|----------------|-----------------|-----|----------------------|----------------------|---------|---------|--------------|
| K1716-Z08-28   | 1/8             | 28  | 8                    | 15                   | 59      | 6.3     | 3            |
| K1716-Z16-19   | 1/4             | 19  | 10                   | 19                   | 67      | 8       | 3            |
| K1716-Z24-19   | 3/8             | 19  | 12.5                 | 21                   | 75      | 10      | 3            |
| K1716-Z32-14   | 1/2             | 14  | 16                   | 26                   | 87      | 12.5    | 3            |
| K1716-Z40-14   | 5/8             | 14  | 18                   | 26                   | 91      | 14      | 3            |
| K1716-Z44-14   | 3/4             | 14  | 20                   | 28                   | 96      | 16      | 3            |
| K1716-Z47-14   | 7/8             | 14  | 22.4                 | 29                   | 102     | 18      | 3            |
| K1716-Z51-14   | 1               | 11  | 25                   | 33                   | 109     | 20      | 3            |
| K1716-Z5116-11 | 1-1/4           | 11  | 31.5                 | 36                   | 119     | 25      | 3            |
| K1716-Z5132-11 | 1-1/2           | 11  | 35.5                 | 37                   | 125     | 28      | 3            |
| K1716-Z5144-11 | 1-3/4           | 11  | 35.5                 | 39                   | 132     | 28      | 3            |
| K1716-Z52-11   | 2               | 11  | 40                   | 41                   | 140     | 31.5    | 3            |
| K1716-Z5216-11 | 2-1/4           | 11  | 40                   | 42                   | 142     | 31.5    | 3            |
| K1716-Z5232-11 | 2-1/2           | 11  | 45                   | 45                   | 153     | 35.5    | 3            |
| K1716-Z53-11   | 3               | 11  | 50                   | 48                   | 164     | 40      | 3            |

Straight  
Flute

DIN  
352

BSP



Rosca UNC

| Art No.      | Medidas<br>inch | TPI | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|--------------|-----------------|-----|----------------------|----------------------|---------|---------|--------------|
| K1703-N1-64  | No.1            | 64  | 2.5                  | 10.0                 | 32      | 2.1     | 3            |
| K1703-N2-56  | No.2            | 56  | 2.8                  | 11.0                 | 36      | 2.1     | 3            |
| K1703-N3-48  | No.3            | 48  | 2.8                  | 11.0                 | 36      | 2.1     | 3            |
| K1703-N4-40  | No.4            | 40  | 3.5                  | 12.0                 | 40      | 2.7     | 3            |
| K1703-N5-40  | No.5            | 40  | 3.5                  | 12.0                 | 40      | 2.7     | 3            |
| K1703-N6-32  | No.6            | 32  | 4.0                  | 14.0                 | 45      | 3.0     | 3            |
| K1703-N8-32  | No.8            | 32  | 4.5                  | 14.0                 | 45      | 3.4     | 3            |
| K1703-N10-24 | No.10           | 24  | 6.0                  | 16.0                 | 50      | 4.9     | 3            |
| K1703-N12-24 | No.12           | 24  | 6.0                  | 18.0                 | 50      | 4.9     | 3            |
| K1703-Z08-40 | 1/8             | 40  | x                    | x                    | x       | x       | 3            |
| K1703-Z10-32 | 5/32            | 32  | x                    | x                    | x       | x       | 3            |
| K1703-Z12-24 | 3/16            | 24  | x                    | x                    | x       | x       | 3            |
| K1703-Z16-20 | 1/4             | 20  | 6.0                  | 19.0                 | 50      | 4.9     | 3            |
| K1703-Z20-18 | 5/16            | 18  | 6.0                  | 22.0                 | 56      | 4.9     | 3            |
| K1703-Z24-16 | 3/8             | 16  | 7.0                  | 24.0                 | 70      | 5.5     | 3            |
| K1703-Z28-14 | 7/16            | 14  | 8.0                  | 24.0                 | 70      | 6.2     | 3            |
| K1703-Z32-13 | 1/2             | 13  | 9.0                  | 29.0                 | 75      | 7.0     | 3            |
| K1703-Z36-12 | 9/16            | 12  | 11.0                 | 30.0                 | 80      | 9.0     | 3            |
| K1703-Z40-11 | 5/8             | 11  | 12.0                 | 32.0                 | 80      | 9.0     | 3            |
| K1703-Z44-10 | 3/4             | 10  | 14.0                 | 40.0                 | 95      | 11.0    | 3            |
| K1703-Z47-09 | 7/8             | 9   | 18.0                 | 40.0                 | 100     | 14.5    | 3            |
| K1703-Z51-08 | 1               | 8   | 18.0                 | 50.0                 | 110     | 14.5    | 3            |

Straight  
Flute

DIN  
352

UNC



Rosca UNF

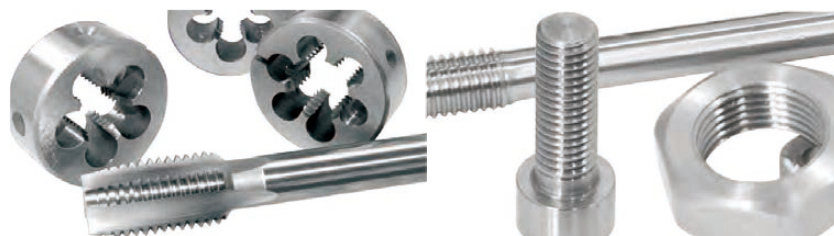
| Art No.      | Medidas<br>mm | TPI | Ø <sub>1</sub><br>mm | L <sub>1</sub><br>mm | L<br>mm | a<br>mm | S.P.Q.<br>pc |
|--------------|---------------|-----|----------------------|----------------------|---------|---------|--------------|
| K1704-N0-80  | No.0          | 80  | 2.5                  | 8.0                  | 28      | 2.1     | 3            |
| K1704-N01-56 | No.1          | 72  | 2.8                  | 9.0                  | 32      | 2.1     | 3            |
| K1704-N2-64  | No.2          | 64  | 2.8                  | 10.0                 | 32      | 2.1     | 3            |
| K1704-N3-56  | No.3          | 56  | 2.8                  | 10.0                 | 32      | 2.1     | 3            |
| K1704-N4-48  | No.4          | 48  | 3.5                  | 11.0                 | 36      | 2.7     | 3            |
| K1704-N5-44  | No.5          | 44  | 3.5                  | 11.0                 | 36      | 2.7     | 3            |
| K1704-N6-40  | No.6          | 40  | 4.5                  | 12.0                 | 40      | 3.4     | 3            |
| K1704-N8-36  | No.8          | 36  | 4.5                  | 12.0                 | 40      | 3.4     | 3            |
| K1704-N10-32 | No.10         | 32  | 6.0                  | 14.0                 | 45      | 4.9     | 3            |
| K1704-N12-28 | No.12         | 28  | 6.0                  | 14.0                 | 50      | 4.9     | 3            |
| K1704-Z12-32 | 3/16          | 32  | X                    | X                    | X       | X       | 3            |
| K1704-Z16-28 | 1/4           | 28  | 6.0                  | 18.0                 | 50      | 4.9     | 3            |
| K1704-Z20-24 | 5/16          | 24  | 6.0                  | 22.0                 | 56      | 4.9     | 3            |
| K1704-Z24-24 | 3/8           | 24  | 7.0                  | 22.0                 | 63      | 5.5     | 3            |
| K1704-Z28-20 | 7/16          | 20  | 8.0                  | 22.0                 | 63      | 6.2     | 3            |
| K1704-Z32-20 | 1/2           | 20  | 9.0                  | 24.0                 | 75      | 7.0     | 3            |
| K1704-Z36-18 | 9/16          | 18  | 11.0                 | 28.0                 | 80      | 9.0     | 3            |
| K1704-Z40-18 | 5/8           | 18  | 12.0                 | 28.0                 | 80      | 9.0     | 3            |
| K1704-Z44-16 | 3/4           | 16  | 14.0                 | 32.0                 | 95      | 11.0    | 3            |
| K1704-Z47-14 | 7/8           | 14  | 18.0                 | 36.0                 | 100     | 14.5    | 3            |
| K1704-Z51-12 | 1             | 12  | 18.0                 | 40.0                 | 110     | 14.5    | 3            |

Straight  
Flute

DIN  
352

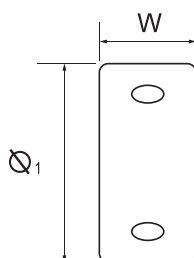
UNF





## Dados

## Rosca Métrica



| Art No.         | Medidas<br>mm | Ø <sub>i</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|-----------------|---------------|----------------------|---------|--------------|
| K1705-M1-0.25   | M1-0.25       | 16                   | 5       | 1            |
| K1705-M1.1-0.25 | M1.1-0.25     | 16                   | 5       | 1            |
| K1705-M1.2-0.25 | M1.2-0.25     | 16                   | 5       | 1            |
| K1705-M1.4-0.3  | M1.4-0.3      | 16                   | 5       | 1            |
| K1705-M1.6-0.35 | M1.6-0.35     | 16                   | 5       | 1            |
| K1705-M1.7-0.35 | M1.7-0.35     | 16                   | 5       | 1            |
| K1705-M1.8-0.35 | M1.8-0.35     | 16                   | 5       | 1            |
| K1705-M1.9-0.35 | M1.9-0.35     | 16                   | 5       | 1            |
| K1705-M2-0.25   | M2-0.25       | 16                   | 5       | 1            |
| K1705-M2-0.4    | M2-0.4        | 16                   | 5       | 1            |
| K1705-M2.2-0.25 | M2.2-0.25     | 16                   | 5       | 1            |
| K1705-M2.2-0.45 | M2.2-0.45     | 16                   | 5       | 1            |
| K1705-M2.3-0.25 | M2.3-0.25     | 16                   | 5       | 1            |
| K1705-M2.3-0.45 | M2.3-0.45     | 16                   | 5       | 1            |
| K1705-M2.5-0.25 | M2.5-0.25     | 16                   | 5       | 1            |
| K1705-M2.5-0.45 | M2.5-0.45     | 16                   | 5       | 1            |
| K1705-M2.6-0.25 | M2.6-0.25     | 16                   | 5       | 1            |
| K1705-M2.6-0.35 | M2.6-0.35     | 16                   | 5       | 1            |
| K1705-M2.6-0.45 | M2.6-0.45     | 16                   | 5       | 1            |
| K1705-M3-0.35   | M3-0.35       | 20                   | 5       | 1            |
| K1705-M3-0.5    | M3-0.5        | 20                   | 5       | 1            |
| K1705-M3.5-0.35 | M3.5-0.35     | 20                   | 5       | 1            |
| K1705-M3.5-0.6  | M3.5-0.6      | 20                   | 5       | 1            |
| K1705-M4-0.35   | M4-0.35       | 20                   | 5       | 1            |
| K1705-M4-0.5    | M4-0.5        | 20                   | 5       | 1            |
| K1705-M4-0.7    | M4-0.7        | 20                   | 5       | 1            |
| K1705-M4.5-0.75 | M4.5-0.75     | 20                   | 7       | 1            |
| K1705-M5-0.5    | M5-0.5        | 20                   | 5       | 1            |
| K1705-M5-0.75   | M5-0.75       | 20                   | 7       | 1            |
| K1705-M5-0.8    | M5-0.8        | 20                   | 7       | 1            |

| Art No.        | Medidas<br>mm | Ø <sub>i</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|----------------|---------------|----------------------|---------|--------------|
| K1705-M6-0.5   | M6-0.5        | 20                   | 5       | 1            |
| K1705-M6-0.75  | M6-0.75       | 20                   | 7       | 1            |
| K1705-M6-1.0   | M6-1.0        | 20                   | 7       | 1            |
| K1705-M7-0.75  | M7-1.0        | 20                   | 7       | 1            |
| K1705-M7-1.0   | M7-0.75       | 25                   | 9       | 1            |
| K1705-M8-0.5   | M8-0.5        | 25                   | 9       | 1            |
| K1705-M8-0.75  | M8-0.75       | 25                   | 9       | 1            |
| K1705-M8-1.0   | M8-1.0        | 25                   | 9       | 1            |
| K1705-M8-1.25  | M8-1.25       | 25                   | 9       | 1            |
| K1705-M9-0.75  | M9-0.75       | 25                   | 9       | 1            |
| K1705-M9-1.0   | M9-1.0        | 25                   | 9       | 1            |
| K1705-M9-1.25  | M9-1.25       | 30                   | 11      | 1            |
| K1705-M10-0.5  | M10-0.5       | 30                   | 11      | 1            |
| K1705-M10-0.75 | M10-0.75      | 30                   | 11      | 1            |
| K1705-M10-1.0  | M10-1.0       | 30                   | 11      | 1            |
| K1705-M10-1.25 | M10-1.25      | 30                   | 11      | 1            |
| K1705-M10-1.5  | M10-1.5       | 30                   | 11      | 1            |
| K1705-M11-1.0  | M11-1.0       | 30                   | 11      | 1            |
| K1705-M11-1.5  | M11-1.5       | 38                   | 14      | 1            |
| K1705-M12-0.75 | M12-0.75      | 38                   | 10      | 1            |
| K1705-M12-1.0  | M12-1.0       | 38                   | 10      | 1            |
| K1705-M12-1.25 | M12-1.25      | 38                   | 10      | 1            |
| K1705-M12-1.5  | M12-1.5       | 38                   | 10      | 1            |
| K1705-M12-1.75 | M12-1.75      | 38                   | 14      | 1            |
| K1705-M13-1.0  | M13-1.0       | 38                   | 10      | 1            |
| K1705-M13-1.5  | M13-1.5       | 38                   | 10      | 1            |
| K1705-M14-0.75 | M14-0.75      | 38                   | 10      | 1            |
| K1705-M14-1.0  | M14-1.0       | 38                   | 10      | 1            |
| K1705-M14-1.25 | M14-1.25      | 38                   | 10      | 1            |
| K1705-M14-1.5  | M14-1.5       | 38                   | 10      | 1            |

| Art No.       | Medidas<br>mm | Ø <sub>i</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|---------------|---------------|----------------------|---------|--------------|
| K1705-M14-2.0 | M14-2.0       | 45                   | 18      | 1            |
| K1705-M15-1.0 | M15-1.0       | 38                   | 10      | 1            |
| K1705-M15-1.5 | M15-1.5       | 38                   | 10      | 1            |
| K1705-M16-1.0 | M16-1.0       | 45                   | 14      | 1            |
| K1705-M16-1.5 | M16-1.5       | 45                   | 14      | 1            |
| K1705-M16-2.0 | M16-2.0       | 45                   | 18      | 1            |
| K1705-M18-1.0 | M18-1.0       | 45                   | 14      | 1            |
| K1705-M18-1.5 | M18-1.5       | 45                   | 14      | 1            |
| K1705-M18-2.0 | M18-2.0       | 45                   | 14      | 1            |
| K1705-M20-1.0 | M20-1.0       | 45                   | 14      | 1            |
| K1705-M20-1.5 | M20-1.5       | 45                   | 14      | 1            |
| K1705-M20-2.0 | M20-2.0       | 45                   | 14      | 1            |
| K1705-M20-2.5 | M20-2.5       | 55                   | 22      | 1            |
| K1705-M22-1.0 | M22-1.0       | 55                   | 16      | 1            |
| K1705-M22-1.5 | M22-1.5       | 55                   | 16      | 1            |
| K1705-M22-2.0 | M22-2.0       | 55                   | 16      | 1            |
| K1705-M22-2.5 | M22-2.5       | 55                   | 22      | 1            |
| K1705-M24-1.0 | M24-1.0       | 55                   | 16      | 1            |
| K1705-M24-1.5 | M24-1.5       | 55                   | 16      | 1            |
| K1705-M24-2.0 | M24-2.0       | 55                   | 16      | 1            |
| K1705-M24-3.0 | M24-3.0       | 55                   | 16      | 1            |
| K1705-M25-1.0 | M25-1.0       | 55                   | 16      | 1            |
| K1705-M25-1.5 | M25-1.5       | 55                   | 16      | 1            |
| K1705-M26-1.5 | M26-1.5       | 55                   | 16      | 1            |
| K1705-M27-1.0 | M27-1.0       | 65                   | 18      | 1            |
| K1705-M27-1.5 | M27-1.5       | 65                   | 18      | 1            |
| K1705-M27-2.0 | M27-2.0       | 65                   | 18      | 1            |
| K1705-M27-3.0 | M27-3.0       | 65                   | 25      | 1            |
| K1705-M28-1.0 | M28-1.0       | 65                   | 18      | 1            |
| K1705-M28-1.5 | M28-1.5       | 65                   | 18      | 1            |
| K1705-M28-2.0 | M28-2.0       | 65                   | 18      | 1            |
| K1705-M30-1.0 | M30-1.0       | 75                   | 18      | 1            |
| K1705-M30-1.5 | M30-1.5       | 75                   | 18      | 1            |
| K1705-M30-2.0 | M30-2.0       | 90                   | 18      | 1            |
| K1705-M30-3.5 | M30-3.5       | 90                   | 18      | 1            |
| K1705-M32-1.5 | M32-1.5       | 65                   | 18      | 1            |
| K1705-M32-2.0 | M32-2.0       | 65                   | 18      | 1            |
| K1705-M33-1.5 | M33-1.5       | 65                   | 18      | 1            |
| K1705-M33-2.0 | M33-2.0       | 65                   | 18      | 1            |
| K1705-M33-3.5 | M33-3.5       | 65                   | 25      | 1            |
| K1705-M34-1.5 | M34-1.5       | 65                   | 18      | 1            |
| K1705-M35-1.5 | M35-1.5       | 65                   | 18      | 1            |
| K1705-M36-1.5 | M36-1.5       | 65                   | 18      | 1            |
| K1705-M36-2.0 | M36-2.0       | 65                   | 18      | 1            |
| K1705-M36-3.0 | M36-3.0       |                      |         | 1            |
| K1705-M36-4.0 | M36-4.0       | 75                   | 30      | 1            |
| K1705-M38-1.5 | M38-1.5       | 75                   | 20      | 1            |
| K1705-M39-1.5 | M39-1.5       | 75                   | 20      | 1            |
| K1705-M39-2.0 | M39-2.0       | 75                   | 20      | 1            |
| K1705-M39-3.0 | M39-3.0       | 75                   | 20      | 1            |
| K1705-M39-4.0 | M39-4.0       | 75                   | 30      | 1            |
| K1705-M40-1.5 | M40-1.5       | 75                   | 20      | 1            |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

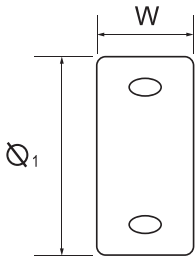
Roscado

Dados



Rosca Métrica

| Art No.       | Medidas<br>mm | Ø <sub>i</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|---------------|---------------|----------------------|---------|--------------|
| K1705-M40-2.0 | M40-2.0       | 75                   | 20      | 1            |
| K1705-M40-3.0 | M40-3.0       | 75                   | 20      | 1            |
| K1705-M42-1.5 | M42-1.5       | 75                   | 20      | 1            |
| K1705-M42-2.0 | M42-2.0       | 75                   | 20      | 1            |
| K1705-M42-3.0 | M42-3.0       | 75                   | 20      | 1            |
| K1705-M42-4.5 | M42-4.5       | 75                   | 30      | 1            |
| K1705-M44-1.5 | M44-1.5       | 90                   | 22      | 1            |
| K1705-M45-1.5 | M45-1.5       | 90                   | 22      | 1            |
| K1705-M45-2.0 | M45-2.0       | 90                   | 22      | 1            |
| K1705-M45-3.0 | M45-3.0       | 90                   | 22      | 1            |
| K1705-M45-4.5 | M45-4.5       | 90                   | 36      | 1            |
| K1705-M48-1.5 | M48-1.5       | 90                   | 22      | 1            |
| K1705-M48-2.0 | M48-2.0       | 90                   | 22      | 1            |
| K1705-M48-3.0 | M48-3.0       | 90                   | 22      | 1            |
| K1705-M48-5.0 | M48-5.0       | 90                   | 36      | 1            |
| K1705-M50-1.5 | M50-1.5       | 90                   | 22      | 1            |
| K1705-M50-2.0 | M50-2.0       | 90                   | 22      | 1            |
| K1705-M50-3.0 | M50-3.0       | 90                   | 22      | 1            |
| K1705-M52-1.5 | M52-1.5       | 90                   | 22      | 1            |
| K1705-M52-2.0 | M52-2.0       | 90                   | 22      | 1            |
| K1705-M52-3.0 | M52-3.0       | 90                   | 22      | 1            |



DIN  
223

M



Rosca BSP

| Art No.       | Medidas<br>inch | TPI | Ø <sub>i</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|---------------|-----------------|-----|----------------------|---------|--------------|
| K1707-Z08-28  | 1/8             | 28  | 38                   | 10      | 1            |
| K1707-Z10-    | 5/32            |     | 38                   | 10      | 1            |
| K1707-Z12-    | 3/16            |     | 38                   | 10      | 1            |
| K1707-Z16-19  | 1/4             | 19  | 38                   | 10      | 1            |
| K1707-Z20-    | 5/16            |     |                      |         | 1            |
| K1707-Z24-19  | 3/8             | 19  | 45                   | 14      | 1            |
| K1707-Z32-14  | 1/2             | 14  | 45                   | 14      | 1            |
| K1707-Z36-    | 9/16            |     |                      |         | 1            |
| K1707-Z28-    | 7/16            |     |                      |         | 1            |
| K1707-Z40-14  | 5/8             | 14  | 55                   | 16      | 1            |
| K1707-Z44-14  | 3/4             | 14  | 65                   | 18      | 1            |
| K1707-Z47-14  | 7/8             | 14  | 65                   | 18      | 1            |
| K1707-Z51-11  | 1               | 11  | 65                   | 18      | 1            |
| K1707-Z58-11  | 1-1/8           | 11  | 75                   | 20      | 1            |
| K1707-Z66-11  | 1-1/4           | 11  | 75                   | 20      | 1            |
| K1707-Z74-11  | 1-3/8           | 11  | 90                   | 22      | 1            |
| K1707-Z82-11  | 1-1/2           | 11  | 90                   | 22      | 1            |
| K1707-Z94-11  | 1-3/4           | 11  | 90                   | 22      | 1            |
| K1707-Z100-11 | 2               | 11  | 105                  | 22      | 1            |

DIN  
223

BSP



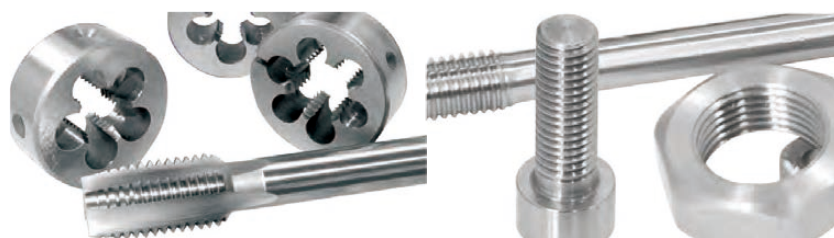
Rosca NPT

| Art No.          | Medidas<br>inch | TPI    | Ø <sub>i</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|------------------|-----------------|--------|----------------------|---------|--------------|
| K1708-Z08-27     | 1/8             | 27     | 30                   | 11      | 1            |
| K1708-Z16-18     | 1/4             | 18     | 38                   | 14      | 1            |
| K1708-Z24-18     | 3/8             | 18     | 45                   | 14      | 1            |
| K1708-Z32-14     | 1/2             | 14     | 45                   | 18      | 1            |
| K1708-Z44-14     | 3/4             | 14     | 55                   | 22      | 1            |
| K1708-Z51-1-1/2  | 1               | 11-1/2 | 65                   | 25      | 1            |
| K1708-Z66-1-1/2  | 1-1/4           | 11-1/2 | 75                   | 26      | 1            |
| K1708-Z82-1-1/2  | 1-1/2           | 11-1/2 | 90                   | 27      | 1            |
| K1708-Z100-1-1/2 | 2               | 11-1/2 | 105                  | 28      | 1            |

DIN  
223

NPT





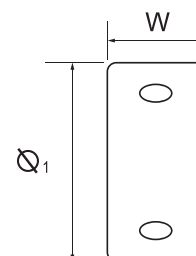
## Dados

### Rosca BSW

| Art No.       | Medidas<br>inch | TPI | Ø <sub>1</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|---------------|-----------------|-----|----------------------|---------|--------------|
| K1709-Z82-08  | 1/8             | 40  | 20                   | 5       | 1            |
| K1709-Z82-10  | 5/32            | 32  | 20                   | 5       | 1            |
| K1709-Z82-12  | 3/16            | 24  | 20                   | 7       | 1            |
| K1709-Z82-16  | 1/4             | 20  | 20                   | 7       | 1            |
| K1709-Z82-20  | 5/16            | 18  | 25                   | 9       | 1            |
| K1709-Z82-24  | 3/8             | 16  | 30                   | 44      | 1            |
| K1709-Z82-32  | 1/2             | 12  | 38                   | 11      | 1            |
| K1709-Z82-36  | 9/16            | 12  | 38                   | 14      | 1            |
| K1709-Z82-28  | 7/16            | 14  | 30                   | 14      | 1            |
| K1709-Z82-40  | 5/8             | 11  | 45                   | 18      | 1            |
| K1709-Z82-44  | 3/4             | 10  | 45                   | 18      | 1            |
| K1709-Z82-47  | 7/8             | 9   | 55                   | 22      | 1            |
| K1709-Z82-51  | 1               | 8   | 55                   | 22      | 1            |
| K1709-Z82-58  | 1-1/8           | 7   | 65                   | 25      | 1            |
| K1709-Z82-66  | 1-1/4           | 7   | 65                   | 25      | 1            |
| K1709-Z82-74  | 1-3/8           |     | 65                   | 25      | 1            |
| K1709-Z82-82  | 1-1/2           | 6   | 75                   | 30      | 1            |
| K1709-Z82-94  | 1-3/4           | 5   | 90                   | 36      | 1            |
| K1709-Z82-100 | 2               | 7   | 90                   | 36      | 1            |

DIN  
223

BSW



### Rosca UNC

| Art No.       | Medidas<br>inch | TPI | Ø <sub>1</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|---------------|-----------------|-----|----------------------|---------|--------------|
| K1713-Z82-18  | 1/8             |     |                      |         | 1            |
| K1713-Z82-532 | 5/32            |     |                      |         | 1            |
| K1713-Z82-316 | 3/16            |     |                      |         | 1            |
| K1713-Z82-14  | 1/4             | 20  | 20                   | 7       | 1            |
| K1713-Z82-516 | 5/16            | 18  | 25                   | 9       | 1            |
| K1713-Z82-38  | 3/8             | 16  | 30                   | 11      | 1            |
| K1713-Z82-12  | 1/2             |     | 38                   | 14      | 1            |
| K1713-Z82-916 | 9/16            | 12  | 38                   | 14      | 1            |
| K1713-Z82-716 | 7/16            | 14  | 30                   | 11      | 1            |
| K1713-Z82-58  | 5/8             | 11  | 45                   | 18      | 1            |
| K1713-Z82-34  | 3/4             | 10  | 45                   | 18      | 1            |
| K1713-Z82-78  | 7/8             | 9   | 55                   | 22      | 1            |
| K1713-Z82-100 | 1               | 8   | 55                   | 22      | 1            |
| K1713-Z82-118 | 1-1/8           | 7   | 65                   | 25      | 1            |
| K1713-Z82-114 | 1-1/4           | 7   | 65                   | 25      | 1            |
| K1713-Z82-138 | 1-3/8           | 6   | 65                   | 25      | 1            |
| K1713-Z82-112 | 1-1/2           | 6   | 75                   | 80      | 1            |
| K1713-Z82-134 | 1-3/4           | 5   |                      |         | 1            |
| K1713-Z82-200 | 2               |     |                      |         | 1            |

DIN  
223

UNC



### Rosca UNF

| Art No.        | Medidas<br>inch | TPI | Ø <sub>1</sub><br>mm | W<br>mm | S.P.Q.<br>pc |
|----------------|-----------------|-----|----------------------|---------|--------------|
| K1714-Z82-Z08  | 1/8             |     |                      |         | 1            |
| K1714-Z82-Z10  | 5/32            |     |                      |         | 1            |
| K1714-Z82-Z12  | 3/16            |     |                      |         | 1            |
| K1714-Z82-Z16  | 1/4             | 28  | 20                   | 7       | 1            |
| K1714-Z82-Z20  | 5/16            | 24  | 25                   | 9       | 1            |
| K1714-Z82-Z24  | 3/8             | 24  | 30                   | 11      | 1            |
| K1714-Z82-Z32  | 1/2             | 20  | 38                   | 10      | 1            |
| K1714-Z82-Z36  | 9/16            | 18  | 38                   | 10      | 1            |
| K1714-Z82-Z28  | 7/16            | 20  | 30                   | 11      | 1            |
| K1714-Z82-Z40  | 5/8             | 18  | 45                   | 14      | 1            |
| K1714-Z82-Z44  | 3/4             | 16  | 45                   | 14      | 1            |
| K1714-Z82-Z47  | 7/8             | 14  | 55                   | 16      | 1            |
| K1714-Z82-Z51  | 1               | 12  | 55                   | 16      | 1            |
| K1714-Z82-Z58  | 1-1/8           | 12  | 65                   | 18      | 1            |
| K1714-Z82-Z66  | 1-1/4           | 12  | 65                   | 18      | 1            |
| K1714-Z82-Z74  | 1-3/8           | 12  | 65                   | 18      | 1            |
| K1714-Z82-Z82  | 1-1/2           | 12  | 75                   | 20      | 1            |
| K1714-Z82-Z94  | 1-3/4           |     |                      |         | 1            |
| K1714-Z82-Z100 | 2               |     |                      |         | 1            |

DIN  
223

UNF



BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

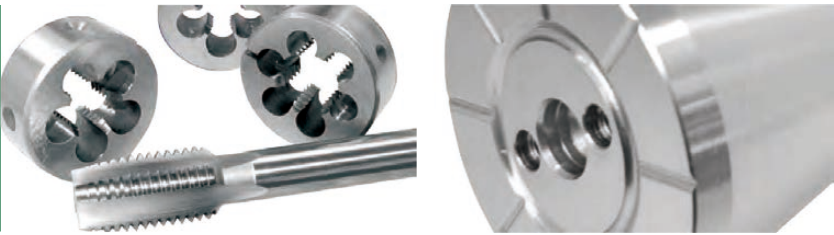
LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

# Juegos y Accesorios



## Porta Machuelo



DIN  
1814

ZINC

| Art No. | Medidas |          | Square<br>mm | Tubo<br>pulgadas | L<br>mm | S.P.Q.<br>pc |
|---------|---------|----------|--------------|------------------|---------|--------------|
|         | mm      | pulgadas |              |                  |         |              |
| K1710-1 | M1-M8   | 1/16-1/4 | 2.0-5.0      |                  | 130     | 1            |
| K1710-2 | M1-M10  | 1/16-3/8 | 2.0-6.3      |                  | 180     | 1            |
| K1710-3 | M1-M12  | 1/16-1/2 | 2.1-8.0      | G1/8             | 205     | 1            |
| K1710-4 | M4-M12  | 5/32-1/2 | 3.0-9.0      | G1/8             | 280     | 1            |

## Extractor de Tornillos 5 Piezas



| Art No. | Contenido |      | S.P.Q.<br>pc |
|---------|-----------|------|--------------|
| K1712   | 3-6mm     | No.1 | 5            |
|         | 6-8mm     | No.2 |              |
|         | 8-11mm    | No.3 |              |
|         | 11-14mm   | No.4 |              |
|         | 14-18mm   | No.5 |              |

## Juego de Extractores de Tornillos y Porta Machuelos 7 piezas



| Art No. | Contenido                                                           | S.P.Q.<br>pc |
|---------|---------------------------------------------------------------------|--------------|
| K1799   | 2Pcs Porta machuelos M3-12<br>5Pcs Extractores de Tornillos No. 1-5 | 7            |

## Porta Dado



DIN  
225

ZINC

| Art No. | Medidas |         | UNC/UNF<br>pulgadas | Tubo<br>pulgadas | L<br>mm | S.P.Q.<br>pc |
|---------|---------|---------|---------------------|------------------|---------|--------------|
| K1711-1 | 20x5    | M3-M4   | 1/8-5/32            | G1/8             | 200     | 1            |
| K1711-2 | 20x7    | M4.5-M6 | 3/16-1/4            |                  | 200     | 1            |
| K1711-3 | 25x9    | M7-M9   | 5/16                | G1/4             | 224     | 1            |
| K1711-4 | 30x11   | M10-M11 | 3/8-7/16            |                  | 280     | 1            |
| K1711-5 | 38x14   | M12-M14 | 1/2-9/16            | G3/8-G1/2        | 315     | 1            |

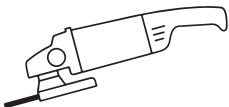


# Disco Flap



## Disco Flap

- Discos abrasivos de óxido de aluminio aglomerado con resina, circonita y láminas de aluminio.
- Excelente para desincrustar, desoxidar, pulir, limpiar y alisar superficies metálicas.
- Para ser utilizado sin agua.



Para esmeriladora angular

## Disco Flap

### Tipo de Forma



T29

### Ángulo

Eficaz para ángulos o esquinas

| Art No.       | Ø mm         | Grit Size | Material          | S.P.Q. pc |
|---------------|--------------|-----------|-------------------|-----------|
| K1490-4.5-40  | 115mm/4-1/2" | 40        | Óxido de Aluminio | 10        |
| K1490-4.5-60  | 115mm/4-1/2" | 60        | Óxido de Aluminio | 10        |
| K1490-4.5-80  | 115mm/4-1/2" | 80        | Óxido de Aluminio | 10        |
| K1490-4.5-100 | 115mm/4-1/2" | 100       | Óxido de Aluminio | 10        |
| K1490-4.5-120 | 115mm/4-1/2" | 120       | Óxido de Aluminio | 10        |
| K1490-7-40    | 180mm/7"     | 40        | Óxido de Aluminio | 10        |
| K1490-7-60    | 180mm/7"     | 60        | Óxido de Aluminio | 10        |
| K1490-7-80    | 180mm/7"     | 80        | Óxido de Aluminio | 10        |
| K1490-7-100   | 180mm/7"     | 100       | Óxido de Aluminio | 10        |
| K1490-7-120   | 180mm/7"     | 120       | Óxido de Aluminio | 10        |

## Disco Flap

### Tipo de Forma



T27

### Plano

Eficaz para superficies planas

| Art No.       | Ø mm         | Grit Size | Material           | S.P.Q. pc |
|---------------|--------------|-----------|--------------------|-----------|
| K1491-4.5-40  | 115mm/4-1/2" | 40        | Zirconia+ Aluminio | 10        |
| K1491-4.5-60  | 115mm/4-1/2" | 60        | Zirconia+ Aluminio | 10        |
| K1491-4.5-80  | 115mm/4-1/2" | 80        | Zirconia+ Aluminio | 10        |
| K1491-4.5-100 | 115mm/4-1/2" | 100       | Zirconia+ Aluminio | 10        |
| K1491-4.5-120 | 115mm/4-1/2" | 120       | Zirconia+ Aluminio | 10        |
| K1491-7-40    | 180mm/7"     | 40        | Zirconia+ Aluminio | 10        |
| K1491-7-60    | 180mm/7"     | 60        | Zirconia+ Aluminio | 10        |
| K1491-7-80    | 180mm/7"     | 80        | Zirconia+ Aluminio | 10        |
| K1491-7-100   | 180mm/7"     | 100       | Zirconia+ Aluminio | 10        |
| K1491-7-120   | 180mm/7"     | 120       | Zirconia+ Aluminio | 10        |

|                        |
|------------------------|
| BROCAS                 |
| ATORNILLADO            |
| CORTE Y DESBASTE       |
| ROSCADO                |
| LIJADO Y PULIDO        |
| SERRADO                |
| LLAVES                 |
| LÁPICES Y MATERIAL POP |

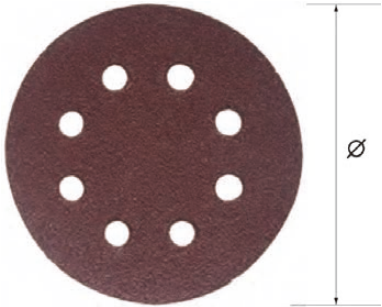


Discos y Bandas



Disco de Lija Orbital de 8 Agujeros y de Fácil Fijación

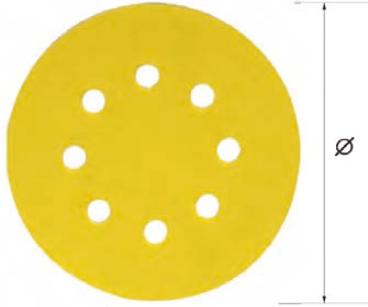
- Abrasivo de óxido de aluminio aglomerado con resina sobre un soporte de papel de alta resistencia, con un sistema de fijación fácil.
- Para ser utilizado en madera, pintura, metal y superficie de automóviles, sin agua.
- Adecuado para cualquier tipo de lijado y pulido.



| Art No.   | Ø mm  | Grano | Material          | S.P.Q. pc |
|-----------|-------|-------|-------------------|-----------|
| K7468-40  | 125mm | 40#   | Óxido de aluminio | 5         |
| K7468-60  | 125mm | 60#   | Óxido de aluminio | 5         |
| K7468-80  | 125mm | 80#   | Óxido de aluminio | 5         |
| K7468-120 | 125mm | 120#  | Óxido de aluminio | 5         |
| K7468-180 | 125mm | 180#  | Óxido de aluminio | 5         |
| K7468-240 | 125mm | 240#  | Óxido de aluminio | 5         |
| K7468-320 | 125mm | 320#  | Óxido de aluminio | 5         |

Disco de Lija Orbital de 8 Agujeros, Fácil Fijación y con Revestimiento Superior

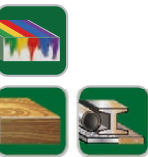
- Abrasivo de óxido de aluminio blanco aglomerado con resina sobre soporte de papel de alta resistencia, con sistema de fácil fijación.
- Para ser utilizado en madera, pintura, metal y superficie de automóviles, sin agua.
- Adecuado para cualquier tipo de lijado y pulido.
- Recubierto de estearato para evitar obstrucciones.



| Art No.   | Ø mm  | Grano | Material          | S.P.Q. pc |
|-----------|-------|-------|-------------------|-----------|
| K7469-40  | 125mm | 40#   | Óxido de aluminio | 5         |
| K7469-60  | 125mm | 60#   | Óxido de aluminio | 5         |
| K7469-80  | 125mm | 80#   | Óxido de aluminio | 5         |
| K7469-120 | 125mm | 120#  | Óxido de aluminio | 5         |
| K7469-180 | 125mm | 180#  | Óxido de aluminio | 5         |
| K7469-240 | 125mm | 240#  | Óxido de aluminio | 5         |
| K7469-320 | 125mm | 320#  | Óxido de aluminio | 5         |

Juego de Bandas de Lija

- Óxido de aluminio aglomerado en resina sobre un soporte de tela de alta calidad.
- Permite un fácil tratamiento de las superficies de madera, de acero y pintura.
- Para ser usado sin agua.
- Adecuado para el lijado de grandes superficies



| Art No.       | Ø mm    | Grano | Material          | S.P.Q. pc |
|---------------|---------|-------|-------------------|-----------|
| K7470-75-40   | 75x533  | 40#   | Óxido de aluminio | 3         |
| K7470-75-60   | 75x533  | 60#   | Óxido de aluminio | 3         |
| K7470-75-80   | 75x533  | 80#   | Óxido de aluminio | 3         |
| K7470-75-120  | 75x533  | 120#  | Óxido de aluminio | 3         |
| K7470-75-180  | 75x533  | 180#  | Óxido de aluminio | 3         |
| K7470-100-40  | 100x610 | 40#   | Óxido de aluminio | 3         |
| K7470-100-60  | 100x610 | 60#   | Óxido de aluminio | 3         |
| K7470-100-80  | 100x610 | 80#   | Óxido de aluminio | 3         |
| K7470-100-120 | 100x610 | 120#  | Óxido de aluminio | 3         |
| K7470-100-180 | 100x610 | 180#  | Óxido de aluminio | 3         |



Cepillos de Copa y Circulares

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP



Cepillo de Copa Trenzado

- Los Cepillos de alambre de acero de carbono se fabrican cumpliendo los estándares de alambre fino y grueso.
- Ideal para pulido en general, para eliminación de la pintura, el óxido, la corrosión de todo tipo y limpieza de cordones de soldadura y soldadura por puntos.



| Art No.      | Dia. mm | Medida del eje | Dia. Alambre mm | RPM   | S.P.Q. pc |
|--------------|---------|----------------|-----------------|-------|-----------|
| k7101-075    | 75      | M14            | 0.3             | 12500 | 1         |
| K7101-100    | 100     | M14            | 0.3             | 12500 | 1         |
| K7101-125    | 125     | M14            | 0.3             | 12500 | 1         |
| k7101-075-58 | 75      | 5/8"-11        | 0.3             | 12500 | 1         |
| K7101-100-58 | 100     | 5/8"-11        | 0.3             | 12500 | 1         |
| K7101-125-58 | 125     | 5/8"-11        | 0.3             | 12500 | 1         |

Cepillo Circular Trenzado

- Combina las ventajas de los cepillos circulares y los cepillos de copa.
- Ideal para pulido en general, la eliminación de la pintura, el óxido, la corrosión de todo tipo, desincrustación y limpieza.



| Art No.      | Dia. mm | Medida del eje | Dia. Alambre mm | RPM   | S.P.Q. pc |
|--------------|---------|----------------|-----------------|-------|-----------|
| K7113-100    | 100     | M14            | 0.3             | 12500 | 1         |
| K7113-125    | 125     | M14            | 0.3             | 12500 | 1         |
| K7113-100-58 | 100     | 5/8"-11        | 0.3             | 12500 | 1         |
| K7113-125-58 | 125     | 5/8"-11        | 0.3             | 12500 | 1         |

Cepillo Circular Trenzado



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM   | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|-------|-----------|
| K7119-100 | 100     | 22.2              | 0.3             | 11000 | 1         |
| K7119-150 | 150     | 22.2              | 0.3             | 8000  | 1         |

Cepillo de Copa Ondulado Latonado

- Los Cepillos de alambre de acero de carbono se fabrican cumpliendo los estándares de alambre fino y grueso.
- Ideal para pulido en general, para eliminación de la pintura, el óxido, la corrosión de todo tipo y limpieza de cordones de soldadura y soldadura por puntos.
- De acero latonado



| Art No.      | Dia. mm | Medida del eje | Dia. Alambre mm | RPM   | S.P.Q. pc |
|--------------|---------|----------------|-----------------|-------|-----------|
| k7104-075    | 75      | M14            | 0.3             | 12500 | 1         |
| K7104-100    | 100     | M14            | 0.3             | 12500 | 1         |
| K7104-125    | 125     | M14            | 0.3             | 12500 | 1         |
| k7104-075-58 | 75      | 5/8"-11        | 0.3             | 12500 | 1         |
| K7104-100-58 | 100     | 5/8"-11        | 0.3             | 12500 | 1         |
| K7104-125-58 | 125     | 5/8"-11        | 0.3             | 12500 | 1         |

Cepillo Circular Ondulado Latonado

- Combina las ventajas de los cepillos circulares y los cepillos de copa.
- Ideal para pulido en general, la eliminación de la pintura, el óxido, la corrosión de todo tipo, desincrustación y limpieza.
- De acero latonado



| Art No.      | Dia. mm | Medida del eje | Dia. Alambre mm | RPM   | S.P.Q. pc |
|--------------|---------|----------------|-----------------|-------|-----------|
| K7115-085    | 85      | M14            | 0.35            | 12500 | 1         |
| K7115-100    | 100     | M14            | 0.35            | 12500 | 1         |
| K7115-125    | 125     | M14            | 0.35            | 12500 | 1         |
| K7115-085-58 | 85      | 5/8"-11        | 0.35            | 12500 | 1         |
| K7115-100-58 | 100     | 5/8"-11        | 0.35            | 12500 | 1         |
| K7115-125-58 | 125     | 5/8"-11        | 0.35            | 12500 | 1         |

Cepillo Circular Ondulado



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|------|-----------|
| K7120-100 | 100     | 22.2              | 0.3             | 6000 | 1         |
| K7120-150 | 150     | 22.2              | 0.3             | 4500 | 1         |

## Cepillos de Copa y Circulares



### Cepillo de Copa Trenzado

- Los Cepillos de copa con eje montado, que proporciona una disposición de fijación sencilla a cualquier herramienta.
- Adecuados para la preparación de todo tipo de superficies, especialmente en áreas de difícil alcance, como esquinas, agujeros perforados y huecos de todo tipo.



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|------|-----------|
| K7105-075 | 75      | 6                 | 0.3             | 6000 | 1         |

### Cepillo Circular Trenzado con Vástago

- Cepillos circulares con eje montado.
- Ideal contra el óxido y la eliminación de pintura, pulido, descalcificación.
- Para ser utilizado en herramientas eléctricas portátiles o máquinas de banco.



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM   | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|-------|-----------|
| K7108-050 | 50      | 6                 | 0.3             | 20000 | 1         |
| K7108-075 | 75      | 6                 | 0.3             | 20000 | 1         |
| K7108-100 | 100     | 6                 | 0.3             | 20000 | 1         |

### Cepillo de Copa Ondulado de Acero Inoxidable



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|------|-----------|
| K7107-075 | 75      | 6                 | 0.3             | 4500 | 1         |

### Cepillo de Copa Ondulado Latonado

- Los Cepillos de copa con eje montado, que proporciona una disposición de fijación sencilla a cualquier herramienta.
- Adecuados para la preparación de todo tipo de superficies, especialmente en áreas de difícil alcance, como esquinas, agujeros perforados y huecos de todo tipo.
- De acero latonado.



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|------|-----------|
| K7106-075 | 75      | 6                 | 0.3             | 4500 | 1         |

### Cepillo Circular Ondulado Latonado con Vástago

- Cepillos circulares con eje montado.
- Ideal contra el óxido y la eliminación de pintura, pulido, descalcificación.
- Para ser utilizado en herramientas eléctricas portátiles o máquinas de banco.
- De acero latonado.



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|------|-----------|
| K7109-50  | 50      | 6                 | 0.3             | 4500 | 1         |
| K7109-075 | 75      | 6                 | 0.3             | 4500 | 1         |
| K7109-100 | 100     | 6                 | 0.3             | 4500 | 1         |

### Cepillo Circular Ondulado de Acero Inoxidable con Vástago



| Art No.   | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|-----------|---------|-------------------|-----------------|------|-----------|
| K7110-050 | 50      | 6                 | 0.3             | 4500 | 1         |
| K7110-075 | 75      | 6                 | 0.3             | 4500 | 1         |
| K7110-100 | 100     | 6                 | 0.3             | 4500 | 1         |



Cepillos Brocha y Juegos

Cepillo Trenzado Tipo Brocha

- Cepillo con eje montado para herramientas portátiles de alta velocidad.
- Ideal para raspar, pulir, quitar la pintura y escoria de soldadura, desincrustación y limpieza.
- Cepillo perfecto para zonas de difícil acceso, tales como esquinas, agujeros perforados y huecos de todo tipo.



| Art No. | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM            | S.P.Q. pc |
|---------|---------|-------------------|-----------------|----------------|-----------|
| K7111   | 19      | 6                 | 0.3             | 6000/7500/4500 | 1         |

Juego de 3 Cepillos Latonados



| Art No. | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM  | S.P.Q. pc |
|---------|---------|-------------------|-----------------|------|-----------|
| K7116   | 20      | 6                 | 0.3             | 6000 | 3         |
|         | 50      | 6                 | 0.3             | 7500 |           |
|         | 50      | 6                 | 0.3             | 4500 |           |
|         | 50      | 6                 | 0.3             | 4500 |           |

Cepillo Ondulado Latonado Tipo Brocha

- Cepillo con eje montado para herramientas portátiles de alta velocidad.
- Ideal para raspar, pulir, quitar la pintura y escoria de soldadura, desincrustación y limpieza.
- Cepillo perfecto para zonas de difícil acceso, tales como esquinas, agujeros perforados y huecos de todo tipo.
- De acero latonado.



| Art No. | Dia. mm | Medida del eje mm | Dia. Alambre mm | RPM            | S.P.Q. pc |
|---------|---------|-------------------|-----------------|----------------|-----------|
| K7112   | 12      | 6                 | 0.3             | 6000/7500/4500 | 1         |

Juego de 5 Cepillos Latonados



| Art No. | Dia. inch | Medida del eje | Dia. Alambre mm | RPM  | S.P.Q. pc |
|---------|-----------|----------------|-----------------|------|-----------|
| K7117   | 1"        | 6              | 0.3             | 4000 | 5         |
|         | 1-1/2"    | 6              | 0.3             | 4000 |           |
|         | 2"        | 6              | 0.3             | 4000 |           |
|         | 2-1/2"    | 6              | 0.3             | 4000 |           |
|         | 3"        | 6              | 0.3             | 4000 |           |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

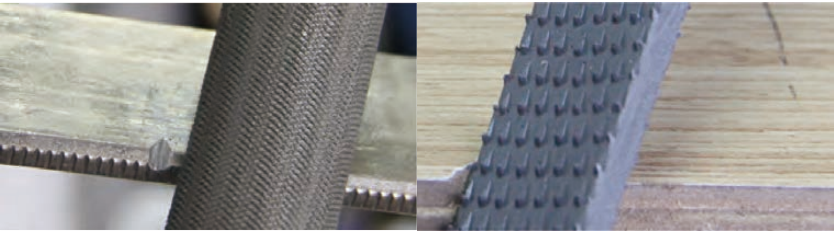
LIJADO  
Y PULIDO

SERRADO

LLAVES

LÁPICES Y  
MATERIAL POP

Limas



Limas Media Caña



| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-105041 | 4"           | BASTARDA | 12pcs/middle box |
| K-105061 | 6"           | BASTARDA | 12pcs/middle box |
| K-105081 | 8"           | BASTARDA | 12pcs/middle box |
| K-105101 | 10"          | BASTARDA | 12pcs/middle box |
| K-105121 | 12"          | BASTARDA | 12pcs/middle box |
| K-105042 | 4"           | 2° CORTE | 12pcs/middle box |
| K-105062 | 6"           | 2° CORTE | 12pcs/middle box |
| K-105082 | 8"           | 2° CORTE | 12pcs/middle box |
| K-105102 | 10"          | 2° CORTE | 12pcs/middle box |
| K-105122 | 12"          | 2° CORTE | 12pcs/middle box |
| K-105142 | 14"          | 2° CORTE | 12pcs/middle box |
| K-105043 | 4"           | FINA     | 12pcs/middle box |
| K-105063 | 6"           | FINA     | 12pcs/middle box |
| K-105083 | 8"           | FINA     | 12pcs/middle box |
| K-105103 | 10"          | FINA     | 12pcs/middle box |
| K-105123 | 12"          | FINA     | 12pcs/middle box |
| K-105143 | 14"          | FINA     | 12pcs/middle box |

Limas Planas



| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-102041 | 4"           | BASTARDA | 12pcs/middle box |
| K-102061 | 6"           | BASTARDA | 12pcs/middle box |
| K-102081 | 8"           | BASTARDA | 12pcs/middle box |
| K-102101 | 10"          | BASTARDA | 12pcs/middle box |
| K-102121 | 12"          | BASTARDA | 12pcs/middle box |
| K-102141 | 14"          | BASTARDA | 12pcs/middle box |
| K-102042 | 4"           | 2° CORTE | 12pcs/middle box |
| K-102062 | 6"           | 2° CORTE | 12pcs/middle box |
| K-102082 | 8"           | 2° CORTE | 12pcs/middle box |
| K-102102 | 10"          | 2° CORTE | 12pcs/middle box |
| K-102122 | 12"          | 2° CORTE | 12pcs/middle box |
| K-102142 | 14"          | 2° CORTE | 12pcs/middle box |
| K-102043 | 4"           | FINA     | 12pcs/middle box |
| K-102063 | 6"           | FINA     | 12pcs/middle box |
| K-102083 | 8"           | FINA     | 12pcs/middle box |
| K-102103 | 10"          | FINA     | 12pcs/middle box |
| K-102123 | 12"          | FINA     | 12pcs/middle box |
| K-102143 | 14"          | FINA     | 12pcs/middle box |

Limas Triangulas



| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-104081 | 8"           | BASTARDA | 12pcs/middle box |
| K-104101 | 10"          | BASTARDA | 12pcs/middle box |
| K-104082 | 8"           | 2° CORTE | 12pcs/middle box |
| K-104102 | 10"          | 2° CORTE | 12pcs/middle box |
| K-104083 | 8"           | FINA     | 12pcs/middle box |
| K-104103 | 10"          | FINA     | 12pcs/middle box |

Regular Taper



| Art No.  | Size<br>inch | / | S.P.Q.<br>pc     |
|----------|--------------|---|------------------|
| K-101540 | 4"           | / | 12pcs/middle box |
| K-101545 | 4.1/2"       | / | 12pcs/middle box |
| K-101550 | 5"           | / | 12pcs/middle box |
| K-101560 | 6"           | / | 12pcs/middle box |
| K-101570 | 7"           | / | 12pcs/middle box |
| K-101580 | 8"           | / | 12pcs/middle box |



Limas

Limas Redondas



| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-107041 | 4"           | BASTARDA | 12pcs/middle box |
| K-107061 | 6"           | BASTARDA | 12pcs/middle box |
| K-107081 | 8"           | BASTARDA | 12pcs/middle box |
| K-107101 | 10"          | BASTARDA | 12pcs/middle box |
| K-107121 | 12"          | BASTARDA | 12pcs/middle box |
| K-107141 | 14"          | BASTARDA | 12pcs/middle box |
| K-107042 | 4"           | 2° CORTE | 12pcs/middle box |
| K-107062 | 6"           | 2° CORTE | 12pcs/middle box |
| K-107082 | 8"           | 2° CORTE | 12pcs/middle box |
| K-107102 | 10"          | 2° CORTE | 12pcs/middle box |
| K-107122 | 12"          | 2° CORTE | 12pcs/middle box |
| K-107043 | 4"           | FINA     | 12pcs/middle box |
| K-107063 | 6"           | FINA     | 12pcs/middle box |
| K-107083 | 8"           | FINA     | 12pcs/middle box |
| K-107103 | 10"          | FINA     | 12pcs/middle box |
| K-107123 | 12"          | FINA     | 12pcs/middle box |

Limas Slim Taper



| Art No.  | Size<br>inch | / | S.P.Q.<br>pc     |
|----------|--------------|---|------------------|
| K-201042 | 4"           | / | 12pcs/middle box |
| K-201043 | 4.1/2"       | / | 12pcs/middle box |
| K-201052 | 5"           | / | 12pcs/middle box |
| K-201062 | 6"           | / | 12pcs/middle box |
| K-201072 | 7"           | / | 12pcs/middle box |
| K-201082 | 8"           | / | 12pcs/middle box |

Limas Cuadradas



| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-108041 | 4"           | BASTARDA | 12pcs/middle box |
| K-108061 | 6"           | BASTARDA | 12pcs/middle box |
| K-108081 | 8"           | BASTARDA | 12pcs/middle box |
| K-108101 | 10"          | BASTARDA | 12pcs/middle box |
| K-108121 | 12"          | BASTARDA | 12pcs/middle box |
| K-108042 | 4"           | 2° CORTE | 12pcs/middle box |
| K-108062 | 6"           | 2° CORTE | 12pcs/middle box |
| K-108082 | 8"           | 2° CORTE | 12pcs/middle box |
| K-108102 | 10"          | 2° CORTE | 12pcs/middle box |
| K-108122 | 12"          | 2° CORTE | 12pcs/middle box |
| K-108043 | 4"           | FINA     | 12pcs/middle box |
| K-108063 | 6"           | FINA     | 12pcs/middle box |
| K-108083 | 8"           | FINA     | 12pcs/middle box |
| K-108103 | 10"          | FINA     | 12pcs/middle box |
| K-108123 | 12"          | FINA     | 12pcs/middle box |

Limas Extra Slim Taper



| Art No.  | Size<br>inch | / | S.P.Q.<br>pc     |
|----------|--------------|---|------------------|
| K-202042 | 4"           | / | 12pcs/middle box |
| K-202043 | 4.1/2"       | / | 12pcs/middle box |
| K-202052 | 5"           | / | 12pcs/middle box |
| K-202062 | 6"           | / | 12pcs/middle box |
| K-202072 | 7"           | / | 12pcs/middle box |
| K-202082 | 8"           | / | 12pcs/middle box |

BROCAS

ATORNILLADO

CORTE Y  
DESBASTE

ROSCADO

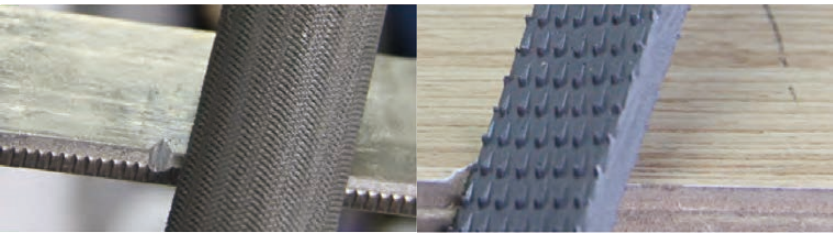
LIJADO  
Y PULIDO

SERRADO

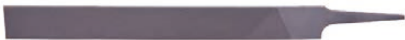
LLAVES

LÁPICES Y  
MATERIAL POP

Limas



Limas Cuchillo



T12

| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-310042 | 4"           | BASTARDA | 12pcs/middle box |
| K-310062 | 6"           | BASTARDA | 12pcs/middle box |
| K-310082 | 8"           | BASTARDA | 12pcs/middle box |
| K-310102 | 10"          | BASTARDA | 12pcs/middle box |
| K-310142 | 4"           | 2° CORTE | 12pcs/middle box |
| K-310162 | 6"           | 2° CORTE | 12pcs/middle box |
| K-310182 | 8"           | 2° CORTE | 12pcs/middle box |
| K-311102 | 10"          | 2° CORTE | 12pcs/middle box |
| K-311122 | 12"          | 2° CORTE | 12pcs/middle box |
| K-310242 | 4"           | FINA     | 12pcs/middle box |
| K-310262 | 6"           | FINA     | 12pcs/middle box |
| K-310282 | 8"           | FINA     | 12pcs/middle box |
| K-312102 | 10"          | FINA     | 12pcs/middle box |

Limas Mill Bastard



T12

| Art No.  | Size<br>inch | /          | S.P.Q.<br>pc     |
|----------|--------------|------------|------------------|
| K-302062 | 6"           | round edge | 12pcs/middle box |
| K-302082 | 8"           | round edge | 12pcs/middle box |
| K-302102 | 10"          | round edge | 12pcs/middle box |
| K-302122 | 12"          | round edge | 12pcs/middle box |

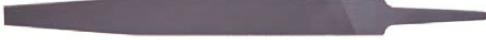
Limas Matricero



GCR  
15

| Art No.  | Size<br>inch | / | S.P.Q.<br>pc |
|----------|--------------|---|--------------|
| K-601002 | 4x160mm      | / | /            |

Limas Warding



T12

| Art No.  | Size<br>inch | /        | S.P.Q.<br>pc     |
|----------|--------------|----------|------------------|
| K-508042 | 4"           | BASTARDA | 12pcs/middle box |
| K-508062 | 6"           | BASTARDA | 12pcs/middle box |
| K-508082 | 8"           | BASTARDA | 12pcs/middle box |
| K-508142 | 4"           | 2° CORTE | 12pcs/middle box |
| K-508162 | 6"           | 2° CORTE | 12pcs/middle box |
| K-508182 | 8"           | 2° CORTE | 12pcs/middle box |
| K-508242 | 4"           | FINA     | 12pcs/middle box |
| K-508262 | 6"           | FINA     | 12pcs/middle box |
| K-508282 | 8"           | FINA     | 12pcs/middle box |

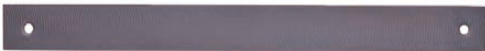
Limas Redonda Motosierra



T12

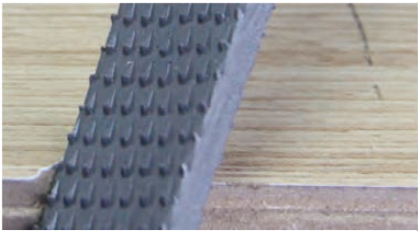
| Art No.   | Size<br>inch | / | S.P.Q.<br>pc     |
|-----------|--------------|---|------------------|
| K-3090812 | 5/32" X 8"   | / | 12pcs/middle box |
| K-3090822 | 3/16" X 8"   | / | 12pcs/middle box |
| K-3090832 | 7/32" X 8"   | / | 12pcs/middle box |
| K-3090842 | 1/4" X 8"    | / | 12pcs/middle box |

Limas Desabollar



T12

| Art No.  | Size<br>inch | / | S.P.Q.<br>pc     |
|----------|--------------|---|------------------|
| K-307000 | 14"          | / | 12pcs/middle box |



# Limas

## Escofinas Media Caña



T12

| Art No.  | Size<br>inch | /         | S.P.Q.<br>pc     |
|----------|--------------|-----------|------------------|
| K-408062 | 6"           | BASTARDAS | 12pcs/middle box |
| K-408082 | 8"           | BASTARDAS | 12pcs/middle box |
| K-408102 | 10"          | BASTARDAS | 12pcs/middle box |
| K-408122 | 12"          | BASTARDAS | 12pcs/middle box |
| K-408124 | 14"          | BASTARDAS | 12pcs/middle box |

## Escofinas Herrar



T12

| Art No.  | Size<br>inch | / | S.P.Q.<br>pc     |
|----------|--------------|---|------------------|
| K-312149 | 14"          | / | 12pcs/middle box |



T12

| Art No.  | Size<br>inch | /          | S.P.Q.<br>pc     |
|----------|--------------|------------|------------------|
| K-312142 | 14"          | CON ESPIGA | 12pcs/middle box |

## Escofinas Redonda



T12

| Art No.  | Size<br>inch | / | S.P.Q.<br>pc     |
|----------|--------------|---|------------------|
| K-401082 | 8"           | / | 12pcs/middle box |
| K-401102 | 10"          | / | 12pcs/middle box |

## Mangos Limas



T12

| Art No.  | Size<br>inch            | / | S.P.Q.<br>pc |
|----------|-------------------------|---|--------------|
| K-446810 | para 4" - 6" - 8" - 10" | / | /            |
| K-401214 | para 12"-14"            | / | /            |

|                           |
|---------------------------|
| BROCAS                    |
| ATORNILLADO               |
| CORTE Y<br>DESBASTE       |
| ROSCADO                   |
| LIJADO<br>Y PULIDO        |
| SERRADO                   |
| LLAVES                    |
| LÁPICES Y<br>MATERIAL POP |

Sierra Copa Bimetal

Sierra Copa Bimetal

- Dientes especiales de acero de alta velocidad para cortar cualquier material (metal, madera y plástico) con una alta resistencia al desgaste.
- Consigue un corte fácil pero rápido con menos esfuerzo, menos ruido y mayor vida útil.
- Placa de soporte gruesa y resistente.
- La mejor manera de cortar agujeros grandes, despejando las virutas en los materiales.
- Cortes a través de tubería de acero inoxidable y otros materiales, madera incrustada de clavos, pisos de madera dura, madera contrachapada y plásticos.



| Art No.   | Size mm | Size inch | S.P.Q. pc |
|-----------|---------|-----------|-----------|
| K7401-014 | 14      | 9/16      | 1         |
| K7401-016 | 16      | 5/8       | 1         |
| K7401-017 | 17      | 11/16     | 1         |
| K7401-019 | 19      | 3/4       | 1         |
| K7401-020 | 20      | 25/32     | 1         |
| K7401-021 | 21      | 13/16     | 1         |
| K7401-022 | 22      | 7/8       | 1         |
| K7401-024 | 24      | 15/16     | 1         |
| K7401-025 | 25      | 1         | 1         |
| K7401-027 | 27      | 1-1/16    | 1         |
| K7401-029 | 29      | 1-1/8     | 1         |
| K7401-030 | 30      | 1-3/16    | 1         |
| K7401-032 | 32      | 1-1/4     | 1         |
| K7401-033 | 33      | 1-5/16    | 1         |
| K7401-035 | 35      | 1-3/8     | 1         |
| K7401-037 | 37      | 1-7/16    | 1         |
| K7401-038 | 38      | 1-1/2     | 1         |
| K7401-040 | 40      | 1-9/16    | 1         |
| K7401-041 | 41      | 1-5/8     | 1         |
| K7401-043 | 43      | 1-11/16   | 1         |
| K7401-044 | 44      | 1-3/4     | 1         |
| K7401-046 | 46      | 1-13/16   | 1         |
| K7401-048 | 48      | 1-7/8     | 1         |
| K7401-051 | 51      | 2         | 1         |
| K7401-052 | 52      | 2-1/16    | 1         |
| K7401-054 | 54      | 2-1/8     | 1         |
| K7401-057 | 57      | 2-1/4     | 1         |
| K7401-059 | 59      | 2-5/16    | 1         |
| K7401-060 | 60      | 2-3/8     | 1         |
| K7401-064 | 64      | 2-1/2     | 1         |

| Art No.   | Size mm | Size inch | S.P.Q. pc |
|-----------|---------|-----------|-----------|
| K7401-065 | 65      | 2-9/16    | 1         |
| K7401-067 | 67      | 2-5/8     | 1         |
| K7401-068 | 68      | 2-11/16   | 1         |
| K7401-070 | 70      | 2-3/4     | 1         |
| K7401-073 | 73      | 2-7/8     | 1         |
| K7401-076 | 76      | 3         | 1         |
| K7401-079 | 79      | 3-1/8     | 1         |
| K7401-083 | 83      | 3-1/4     | 1         |
| K7401-086 | 86      | 3-3/8     | 1         |
| K7401-089 | 89      | 3-1/2     | 1         |
| K7401-092 | 92      | 3-5/8     | 1         |
| K7401-095 | 95      | 3-3/4     | 1         |
| K7401-098 | 98      | 3-7/8     | 1         |
| K7401-102 | 102     | 4         | 1         |
| K7401-105 | 105     | 4-1/8     | 1         |
| K7401-108 | 108     | 4-1/4     | 1         |
| K7401-111 | 111     | 4-3/8     | 1         |
| K7401-114 | 114     | 4-1/2     | 1         |
| K7401-121 | 121     | 4-3/4     | 1         |
| K7401-127 | 127     | 5         | 1         |
| K7401-133 | 133     | 5-1/4     | 1         |
| K7401-140 | 140     | 5-1/2     | 1         |
| K7401-146 | 146     | 5-3/4     | 1         |
| K7401-152 | 152     | 6         | 1         |
| K7401-160 | 160     | 6-19/64   | 1         |
| K7401-165 | 165     | 6-1/2     | 1         |
| K7401-168 | 168     | 6-39/64   | 1         |
| K7401-178 | 178     | 7         | 1         |
| K7401-200 | 200     | 7-7/8     | 1         |

Juego de 9 piezas



| Art No. | Size                                                                              | S.P.Q. pc |
|---------|-----------------------------------------------------------------------------------|-----------|
| K7403   | sierra copa: 19, 22, 29, 38, 44, 57mm<br>mandrill: 14-30mm, 35-152mm<br>adaptador | 9         |

Juego de 13 piezas



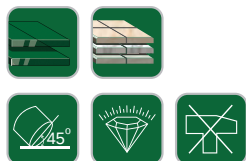
| Art No. | Size                                                                                                                      | S.P.Q. pc |
|---------|---------------------------------------------------------------------------------------------------------------------------|-----------|
| K7406   | sierra copa: 19, 22, 29, 35, 38, 44, 51, 57, 64mm<br>mandrill: 14-30mm, 32-152mm<br>adaptador<br>spare H.S.S broca piloto | 13        |



## Sierra de Copa de Diamante

### Sierra de Copa de Diamante Estándar

- Borde de corte de diamante galvanizado.
- Acabado niquelado.
- Larga vida de corte, perforación lisa.
- Necesita un árbol separado al perforar.

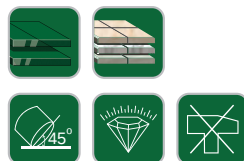


| Art No.   | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-----------|---------|---------|--------------|
| K7430-005 | 5       | 50/60   | 1            |
| K7430-006 | 6       | 50/60   | 1            |
| K7430-008 | 8       | 50/60   | 1            |
| K7430-010 | 10      | 50/60   | 1            |
| K7430-013 | 13      | 50/60   | 1            |
| K7430-016 | 16      | 50/60   | 1            |
| K7430-019 | 19      | 50/60   | 1            |
| K7430-022 | 22      | 50/60   | 1            |
| K7430-026 | 25.5    | 50/60   | 1            |
| K7430-027 | 27      | 50/60   | 1            |
| K7430-029 | 29      | 50/60   | 1            |
| K7430-030 | 30      | 50/60   | 1            |
| K7430-032 | 32      | 50/60   | 1            |
| K7430-035 | 35      | 50/60   | 1            |
| K7430-038 | 38      | 50/60   | 1            |
| K7430-044 | 44      | 50/60   | 1            |
| K7430-051 | 51      | 50/60   | 1            |
| K7430-054 | 54      | 50/60   | 1            |
| K7430-057 | 57      | 50/60   | 1            |
| K7430-065 | 65      | 50/60   | 1            |
| K7430-067 | 67      | 50/60   | 1            |
| K7430-068 | 68      | 50/60   | 1            |
| K7430-074 | 74      | 50/60   | 1            |
| K7430-083 | 83      | 50/60   | 1            |

| Art No.    | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|------------|-----------|---------|--------------|
| K7430-Z12  | 3/16      | 50/60   | 1            |
| K7430-Z16  | 1/4       | 50/60   | 1            |
| K7430-Z20  | 5/16      | 50/60   | 1            |
| K7430-Z24  | 3/8       | 50/60   | 1            |
| K7430-Z32  | 1/2       | 50/60   | 1            |
| K7430-Z40  | 5/8       | 50/60   | 1            |
| K7430-Z44  | 3/4       | 50/60   | 1            |
| K7430-Z47  | 7/8       | 50/60   | 1            |
| K7430-Z50  | 1         | 50/60   | 1            |
| K7430-Z55  | 1-1/16    | 50/60   | 1            |
| K7430-Z58  | 1-1/8     | 50/60   | 1            |
| K7430-Z62  | 1-3/16    | 50/60   | 1            |
| K7430-Z66  | 1-1/4     | 50/60   | 1            |
| K7430-Z70  | 1-5/16    | 50/60   | 1            |
| K7430-Z74  | 1-3/8     | 50/60   | 1            |
| K7430-Z82  | 1-1/2     | 50/60   | 1            |
| K7430-Z94  | 1-3/4     | 50/60   | 1            |
| K7430-Z100 | 2         | 50/60   | 1            |
| K7430-Z108 | 2-1/8     | 50/60   | 1            |
| K7430-Z116 | 2-1/4     | 50/60   | 1            |
| K7430-Z132 | 2-1/2     | 50/60   | 1            |
| K7430-Z144 | 2-3/4     | 50/60   | 1            |
| K7430-Z151 | 3         | 50/60   | 1            |
| K7430-Z166 | 3-1/4     | 50/60   | 1            |

### Sierra de Copa de Diamante

- Borde de corte de diamante galvanizado.
- Acabado niquelado.
- Larga vida de corte, perforación lisa.
- Se debe insertar una broca de vidrio al perforar el vidrio o la baldosa.



| Art No.   | Ø<br>mm | L<br>mm | S.P.Q.<br>pc |
|-----------|---------|---------|--------------|
| K7427-005 | 5       | 50/60   | 1            |
| K7427-006 | 6       | 50/60   | 1            |
| K7427-008 | 8       | 50/60   | 1            |
| K7427-010 | 10      | 50/60   | 1            |
| K7427-013 | 13      | 50/60   | 1            |
| K7427-016 | 16      | 50/60   | 1            |
| K7427-019 | 19      | 50/60   | 1            |
| K7427-022 | 22      | 50/60   | 1            |
| K7427-025 | 25.5    | 50/60   | 1            |
| K7427-027 | 27      | 50/60   | 1            |
| K7427-029 | 29      | 50/60   | 1            |
| K7427-030 | 30      | 50/60   | 1            |
| K7427-032 | 32      | 50/60   | 1            |
| K7427-035 | 35      | 50/60   | 1            |
| K7427-038 | 38      | 50/60   | 1            |
| K7427-044 | 44      | 50/60   | 1            |
| K7427-051 | 51      | 50/60   | 1            |
| K7427-054 | 54      | 50/60   | 1            |
| K7427-057 | 57      | 50/60   | 1            |
| K7427-065 | 65      | 50/60   | 1            |
| K7427-067 | 67      | 50/60   | 1            |
| K7427-068 | 68      | 50/60   | 1            |
| K7427-074 | 74      | 50/60   | 1            |
| K7427-083 | 83      | 50/60   | 1            |

| Art No.    | Ø<br>inch | L<br>mm | S.P.Q.<br>pc |
|------------|-----------|---------|--------------|
| K7427-Z12  | 3/16      | 50/60   | 1            |
| K7427-Z16  | 1/4       | 50/60   | 1            |
| K7427-Z20  | 5/16      | 50/60   | 1            |
| K7427-Z24  | 3/8       | 50/60   | 1            |
| K7427-Z32  | 1/2       | 50/60   | 1            |
| K7427-Z40  | 5/8       | 50/60   | 1            |
| K7427-Z44  | 3/4       | 50/60   | 1            |
| K7427-Z47  | 7/8       | 50/60   | 1            |
| K7427-Z51  | 1         | 50/60   | 1            |
| K7427-Z55  | 1-1/16    | 50/60   | 1            |
| K7427-Z58  | 1-1/8     | 50/60   | 1            |
| K7427-Z62  | 1-3/16    | 50/60   | 1            |
| K7427-Z66  | 1-1/4     | 50/60   | 1            |
| K7427-Z70  | 1-5/16    | 50/60   | 1            |
| K7427-Z74  | 1-3/8     | 50/60   | 1            |
| K7427-Z82  | 1-1/2     | 50/60   | 1            |
| K7427-Z94  | 1-3/4     | 50/60   | 1            |
| K7427-Z100 | 2         | 50/60   | 1            |
| K7427-Z108 | 2-1/8     | 50/60   | 1            |
| K7427-Z116 | 2-1/4     | 50/60   | 1            |
| K7427-Z132 | 2-1/2     | 50/60   | 1            |
| K7427-Z144 | 2-3/4     | 50/60   | 1            |
| K7427-Z151 | 3         | 50/60   | 1            |
| K7427-Z166 | 3-1/4     | 50/60   | 1            |

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Mandriles



Mandril para Sierras de Copa Bimetal



| Art No. | Medida copa       | Medida mm                                                                             | S.P.Q. pc |
|---------|-------------------|---------------------------------------------------------------------------------------|-----------|
| K7411   | 9/16" To 1-13/16" | Vastago hexagonal: 3/8"<br>Medida de la broca: 1/4"<br>Medida de la rosca: 1/2"-20UNF | 1         |

Mandril para Sierras de Copa Bimetal



| Art No. | Medida copa  | Medida mm                                                                             | S.P.Q. pc |
|---------|--------------|---------------------------------------------------------------------------------------|-----------|
| K7413   | 1-1/4" To 6" | Vastago hexagonal: 3/8"<br>Medida de la broca: 1/2"<br>Medida de la rosca: 5/8"-18UNF | 1         |

Mandril para Sierras de Copa Bimetal



| Art No. | Medida copa       | Medida mm                                                                             | S.P.Q. pc |
|---------|-------------------|---------------------------------------------------------------------------------------|-----------|
| K7435   | 9/16" To 1-13/16" | Vastago hexagonal: 1/4"<br>Medida de la broca: 1/4"<br>Medida de la rosca: 1/2"-20UNF | 1         |

Mandril para Sierras de Copa Bimetal



| Art No. | Medida copa  | Medida mm                                                                             | S.P.Q. pc |
|---------|--------------|---------------------------------------------------------------------------------------|-----------|
| K7436   | 1-1/4" To 6" | Vastago hexagonal: 3/8"<br>Medida de la broca: 3/8"<br>Medida de la rosca: 5/8"-18UNF | 1         |

Mandril para Sierras de Copa de Diamante



| Art No. | Medida copa    | Medida mm                                                 | S.P.Q. pc |
|---------|----------------|-----------------------------------------------------------|-----------|
| K7437   | 3/4" To 1-1/4" | Vastago hexagonal: 3/8"<br>Medida de la rosca: 5/8"-18UNF | 1         |

Mandril para Sierras de Copa de Diamante



| Art No. | Medida copa      | Medida mm                                                 | S.P.Q. pc |
|---------|------------------|-----------------------------------------------------------|-----------|
| K7438   | 1-3/8" To 3-1/4" | Vastago hexagonal: 3/8"<br>Medida de la rosca: 1/2"-20UNF | 1         |



## Juegos de Hojas de Sierra de Calar

### Juego de Hojas de Sierra de Calar, Vastago T para Madera



| Art No.     | Clave | DPP | Largo mm/inch | S.P.Q. pc |  |
|-------------|-------|-----|---------------|-----------|--|
| K7462-T101D | T101D | 6   | 100/4"        | 3         |  |
| K7462-T111C | T111C | 8   | 100/4"        | 3         |  |
| K7462-T101B | T101B | 10  | 100/4"        | 3         |  |
| K7462-T119B | T119B | 12  | 76/3"         | 3         |  |



### Juego de Hojas de Sierra de Calar, Vastago U para Madera



| Art No.     | Clave | DPP | Largo mm/inch | S.P.Q. pc |  |
|-------------|-------|-----|---------------|-----------|--|
| K7465-U101D | U101D | 6   | 100/4"        | 3         |  |
| K7465-U111C | U111C | 8   | 100/4"        | 3         |  |
| K7465-U101B | U101B | 10  | 100/4"        | 3         |  |



### Juego de Hojas de Sierra de Calar, Vastago T para Madera y de Corte Curvo



| Art No.      | Clave  | DPP | Largo mm/inch | S.P.Q. pc |  |
|--------------|--------|-----|---------------|-----------|--|
| K7463-T244D  | T244D  | 6   | 100/4"        | 3         |  |
| K7463-T119BO | T119BO | 12  | 76/3"         | 3         |  |



### Juego de Hojas de Sierra de Calar, Vastago T para Metal



| Art No.     | Clave | DPP | Largo mm/inch | S.P.Q. pc |  |
|-------------|-------|-----|---------------|-----------|--|
| K7464-T118A | T118A | 21  | 76/3"         | 3         |  |
| K7464-T218A | T218A | 21  | 76/3"         | 3         |  |



### Juego de Hojas de Sierra de Calar, Vastago U para Madera y de Corte Curvo



| Art No.      | Clave  | DPP | Largo mm/inch | S.P.Q. pc |  |
|--------------|--------|-----|---------------|-----------|--|
| K7466-U119BO | U119BO | 12  | 76/3"         | 3         |  |



### Juego de Hojas de Sierra de Calar, Vastago U para Metal



| Art No.     | Clave | DPP | Largo mm/inch | S.P.Q. pc |  |
|-------------|-------|-----|---------------|-----------|--|
| K7467-U118A | U118A | 21  | 76/3"         | 3         |  |



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Sierra Copa para  
Madera y Juegos

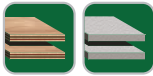


Sierra Copa para Madera

Madera  
Agglomerado  
Contrachapado  
Plástico no laminado



65  
Mn



| Art No. | Ø<br>mm                | Profundidad<br>mm | S.P.Q.<br>pc |
|---------|------------------------|-------------------|--------------|
| K7424   | 26/32/38/45/50/56/63mm | 25                | 7            |

Sierra Copa para Madera

Madera  
Agglomerado  
Contrachapado  
Plástico no laminado



65  
Mn



| Art No. | Ø<br>mm                | Profundidad<br>mm | S.P.Q.<br>pc |
|---------|------------------------|-------------------|--------------|
| K7426   | 26/32/38/45/50/56/63mm | 50                | 7            |

Juego de Sierra de Copa de  
5 Piezas



| Art No. | Size                                                        | S.P.Q.<br>pc |
|---------|-------------------------------------------------------------|--------------|
| K7400   | 1/4" mandrill<br>sierra copa: 1.1/4" - 1.1/2" - 2" - 2.1/8" | 5            |

Juego de Sierra de Copa de  
3 Piezas



| Art No. | Size                                                                                | S.P.Q.<br>pc |
|---------|-------------------------------------------------------------------------------------|--------------|
| K7988   | broca de madera plana: 7/8 " (22mm)<br>sierra copa: 2-1/8" (54mm)<br>mandrill: 3/8" | 3            |





## Hojas de Sierra

- Alta frecuencia, pequeña amplitud de oscilación, fácil para serrar en las esquinas.
- Se introduce fácilmente en cualquier punto del material.
- Corta áreas del centro o esquinas.
- Ideal para serrar madera, yeso y plásticos blandos.
- Asegura una resistencia al desgaste y una larga vida útil.
- Se adapta a las marcas Black & Decker, Bosch, Craftsman, Ridgid, Makita, Milwaukee, Dewalt y otros.
- Accesorios de cambio rápido.



### Hoja de Sierra HCS



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7450   | 10          | 25/64"        | HCS            | 1            |

### Hoja de Sierra HCS



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7451   | 20          | 51/64"        | HCS            | 1            |

### Hoja de Sierra Recta HCS



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7452   | 34          | 1-5/16"       | HCS            | 1            |

### Hoja de Sierra HCS



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7453   | 28.5        | 1-1/8"        | HCS            | 1            |

### Hoja de Sierra Segmentada HCS



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7454   | 88          | 3-1/2"        | HCS            | 1            |

### Hoja de Sierra Triangular HCS



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7455   | 68          | 2-5/8"        | HCS            | 1            |

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Hojas de Sierra Bimetal

- Alta frecuencia, pequeña amplitud de oscilación, fácil para serrar en las esquinas.
- Se introduce fácilmente en cualquier punto del material.
- Corta áreas del centro o esquinas.
- Ideal para serrar metal y plásticos blandos y madera.
- Asegura una resistencia al desgaste y una larga vida útil.
- Se adapta a las marcas Black & Decker, Bosch, Craftsman, Ridgid, Makita, Milwaukee, Dewalt y otros.
- Accesorios de cambio rápido.



Hoja de Sierra Bimetal



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7456   | 20          | 51/64"        | BIM            | 1            |

Hoja de Sierra Bimetal



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7460   | 28          | 1-1/2"        | BIM            | 1            |

Juego de Hojas de Sierra de 4 Piezas



| Art No. | Width<br>mm                                                                                                                                                                                           | S.P.Q.<br>pc |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| K7461   | 1x Hoja de Sierra Recta HSC, dientes triturados, 35*92*35mm<br>1x Hoja de Sierra Recta Bimetal, dientes fresados, 35*92*35mm<br>1x Hoja de Sierra Segmentada HCS, Ø88<br>1X Rascador sierra 52x74.5mm | 4            |

Hoja de Sierra Recta Bimetal



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7457   | 34          | 1-5/16"       | BIM            | 1            |

Hoja de Sierra Bimetal



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7458   | 65          | 2-9/16"       | BIM            | 1            |

Hoja de Sierra Segmentada Bimetal



| Art No. | Width<br>mm | Width<br>inch | Material<br>mm | S.P.Q.<br>pc |
|---------|-------------|---------------|----------------|--------------|
| K7459   | 88          | 3-1/2"        | BIM            | 1            |



Llaves Mixtas

Llaves Mixtas

- Es una herramienta manual diseñada en acero cromo vanadio.
- Combina una boca fija en forma de U y la otra en forma de estrella.
- Esta herramienta se emplea para realizar mantenimiento de tuberías y ensamble de maquinaria, además de ser utilizadas en talleres de mecánica y para labores industriales en las que necesiten de un ajuste mecánico.
- Su función de aflojar o apretar mediante giros la cabeza de una tuerca o tornillo.

| Art No.  | Largo<br>mm | S.P.Q.<br>pc |
|----------|-------------|--------------|
| K8641-6  | 6           | 1            |
| K8641-7  | 7           | 1            |
| K8641-8  | 8           | 1            |
| K8641-9  | 9           | 1            |
| K8641-10 | 10          | 1            |
| K8641-11 | 11          | 1            |
| K8641-12 | 12          | 1            |
| K8641-13 | 13          | 1            |
| K8641-14 | 14          | 1            |
| K8641-15 | 15          | 1            |
| K8641-16 | 16          | 1            |
| K8641-17 | 17          | 1            |
| K8641-18 | 18          | 1            |
| K8641-19 | 19          | 1            |
| K8641-20 | 20          | 1            |
| K8641-21 | 21          | 1            |
| K8641-22 | 22          | 1            |
| K8641-23 | 23          | 1            |
| K8641-24 | 24          | 1            |
| K8641-25 | 25          | 1            |
| K8641-26 | 26          | 1            |
| K8641-27 | 27          | 1            |
| K8641-28 | 28          | 1            |



Juego de 14 Llaves Mixtas 8-24MM

- Es una herramienta manual diseñada en acero cromo vanadio.
- Combina una boca fija en forma de U y la otra en forma de estrella.
- Esta herramienta se emplea para realizar mantenimiento de tuberías y ensamble de maquinaria, además de ser utilizadas en talleres de mecánica y para labores industriales en las que necesiten de un ajuste mecánico.
- Su función de aflojar o apretar mediante giros la cabeza de una tuerca o tornillo.



| Art No. | Largo<br>mm | S.P.Q.<br>pc |
|---------|-------------|--------------|
| K8645   | 8-24        | 1            |

Juego de 14 Llaves Mixtas 10-32MM

- Es una herramienta manual diseñada en acero cromo vanadio.
- Combina una boca fija en forma de U y la otra en forma de estrella.
- Esta herramienta se emplea para realizar mantenimiento de tuberías y ensamble de maquinaria, además de ser utilizadas en talleres de mecánica y para labores industriales en las que necesiten de un ajuste mecánico.
- Su función de aflojar o apretar mediante giros la cabeza de una tuerca o tornillo.

| Art No. | Largo<br>mm | S.P.Q.<br>pc |
|---------|-------------|--------------|
| K8646   | 10-32       | 1            |



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# Llaves Hexagonales Allen



## Llaves Hexagonal Allen

- Acero al cromo vanadio.



| Art No. | Size<br>mm | S.P.Q.<br>pc |
|---------|------------|--------------|
| 410503  | 2,5        | 1            |
| 410504  | 3          | 1            |
| 410505  | 3,5        | 1            |
| 410506  | 4          | 1            |
| 410507  | 4,5        | 1            |
| 410508  | 5          | 1            |
| 410509  | 5,5        | 1            |
| 410510  | 6          | 1            |
| 410511  | 7          | 1            |
| 410512  | 8          | 1            |
| 410513  | 9          | 1            |
| 410514  | 10         | 1            |
| 410515  | 11         | 1            |
| 410517  | 13         | 1            |
| 410518  | 14         | 1            |
| 410520  | 19         | 1            |

| Art No. | Size<br>inch | S.P.Q.<br>pc |
|---------|--------------|--------------|
| 410442  | 3/32         | 1            |
| 410443  | 1/8          | 1            |
| 410445  | 3/16         | 1            |
| 410446  | 7/32         | 1            |
| 410447  | 1/4          | 1            |
| 410449  | 3/8          | 1            |
| 410451  | 1/2          | 1            |
| 410452  | 9/16         | 1            |
| 410453  | 5/8          | 1            |
| 410454  | 3/4          | 1            |

## Juego de Llaves Hexagonal Allen

- Acero al cromo vanadio.



plastic bracket

| Art No. | Size        | S.P.Q.<br>pc |
|---------|-------------|--------------|
| 410612  | 1/16"-3/8"  | 10           |
| 410607  | 1,5 - 6 mm  | 8            |
| 410608  | 1,5 - 10 mm | 10           |



polybag

| Art No. | Size        | S.P.Q.<br>pc |
|---------|-------------|--------------|
| 410610  | 1/16"-1/2"  | 12           |
| 410609  | 1,5 - 14 mm | 12           |





Lápices

Lápices Bicolores Punta Gruesa

- Doble punta color Rojo y Azul
- Punta de 4 mm



12 pcs



| Art No.     | Medidas mm | S.P.Q. pc |
|-------------|------------|-----------|
| CHI-7L11-BR | 176x10     | 12        |

Lápices Bicolores Punta Fina

- Doble punta color Rojo y Azul
- Punta de 2,65 mm



12 pcs



| Art No.      | Medidas mm | S.P.Q. pc |
|--------------|------------|-----------|
| CHI-7L7-BR-C | 176x10     | 12        |

Lápiz Carpintero Rectangular



72 pcs

HB

| Art No.      | Medidas mm | S.P.Q. pc |
|--------------|------------|-----------|
| CHI-7S10.5-1 | 176x10     | 72        |

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|                           |
|---------------------------|
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| ATORNILLADO               |
| CORTE Y<br>DESBASTE       |
| ROSCADO                   |
| LIJADO<br>Y PULIDO        |
| SERRADO                   |
| LLAVES                    |
| LÁPICES Y<br>MATERIAL POP |

Exhibidor



Exhibidor Brocas Kraft



- Medidas (Pulgadas): 1/64", 1/16", 7/64", 1/8", 5/32", 7/32", 1/4", 9/32", 5/16", 11/32", 1/8", 3/8", 7/16", 1/2"
- Medidas (mm): 0.3mm, 1.5mm, 2.8mm, 3.0mm, 4.0mm, 5.5mm, 6.35mm, 7.0mm, 8.0mm, 8.7mm, 9.5mm, 11.0mm, 12.7mm

| Art No. | S.P.Q.<br>pc |
|---------|--------------|
| K9999   | 1            |

Bottle Openner



Ball Pen



T-shirt



