



Screwdriving technology

Automation

Air motors

Air tools

# DEPRAG

**ACCESSORIES**

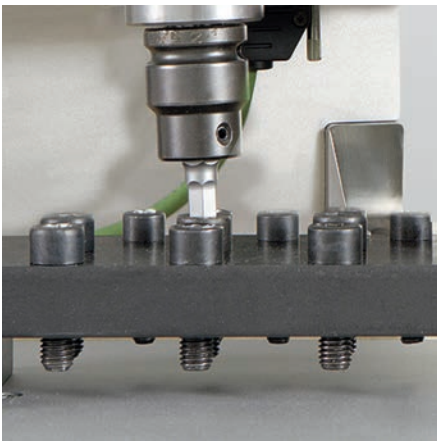
## Inserting Tools for Screwdrivers

- Bits
- Sockets
- Finders
- Bit holders

With the longest lifetime and highest wear resistance combined with the best fits, our inserting tools are designed for the industrial use.

The large variety of this assortment combines standard inserts and inserts for special applications. If those cannot be used,

we also offer custom made bits. Whatever fastener needs to be assembled, we have the right tool for you. To achieve the utmost economical solution in regard to wear, usage and price, DEPRAG will support you with detailed advise and service. Please don't hesitate to ask us.



## PRODUCT SPECTRUM INSERTING TOOLS

| Inserting Tools   | Type of Screw                               | find on           |
|---|---|-------------------|
| <b>for NANOMAT and MICROMAT Screwdrivers</b>  |   |                   |
| bits, finders   | slotted screws                              | Page 3            |
| bits, finders, bit holders  | PHILLIPS and POZIDRIV screws                | Page 4            |
| bits, bit holders   | allen screws, torx screws and threaded pins | Page 4 / 5        |
| sockets with shaft  | hex. screws and hex. nuts                   | Page 5            |
| semi-finished bits and finders, special bits  | –   | Page 5            |
| <b>for MINIMAT, Recycling, Slip clutch, Pulse tools, Electric Screwdrivers</b>  |   |                   |
| bits, finders, bit holders, special bits  | slotted screws                              | Page 6 / 7        |
| bits, finders, bit holders  | PHILLIPS and POZIDRIV screws                | Page 8 / 9        |
| threaded bit tips, bit holder (threaded), semi-finished finders, special bits, adapters and chuck for stud screws       |   | Page 10 / 11      |
| threaded bit tips   | torx screws                                 | Page 10           |
| bits, bit holders   | allen screws, torx screws and threaded pins | Page 12 / 13      |
| <b>for SENSOMAT and MINIMAT-T Screwdrivers</b>  |   |                   |
| sensor sleeves, bits  | slotted screws                              | Page 14 / 15      |
| sensor sleeves, bits, bit holders   | PHILLIPS and POZIDRIV screws                | Page 14 / 15      |
| <b>for Ratchet wrench</b>   |   |                   |
| sockets, holder   | hex. screws and hex. nuts                   | Page 16           |
| <b>for MINIMAT, Recycling, Slip clutch, Pulse tools, Electric Screwdriver, Impact Wrenches and EC-SERVO Screwdriver</b> |   |                   |
| sockets   | hex. screws and hex. nuts                   | Page 16 / 17 / 18 |
| extensions / ball joints  | internal-□, external-□                      | Page 18 / 19      |
| bits, holder  | internal hex. screws, threaded pins         | Page 19 / 20      |
| chuck for stud screws   | stud screws                                 | Page 19           |
| locking pins and rubber rings   | –   | Page 20           |

## FIND A MUCH LARGER RANGE OF INSERTING TOOLS ON THE INTERNET

**Inserting Tools for Screwdrivers**

Your Online Selection Tool

- One Stop Shop
- process reliable
- efficient
- economical
- high degree of re-usability

Use our online selection tool to easily find the best-suited bit or socket for your screwdriver:

Socket Inserts for screwdrivers

Bits/ Bits | Semi-Finished Bits | Sockets | Bitholder | Finder Sleeve | Finder

shape of bit tip:

size of bit tip:

drive:

length of bit:

This brochure shows a small selection of inserting tools available for our NANOMAT/ MICROMAT/ MINIMAT screwdrivers.

You will find a much larger range of these inserting tools on the Internet as follows:

**[www.deprag.com](http://www.deprag.com) / Screwdriving Technology / Products / Accessories / Online Selection Tool for Inserts**


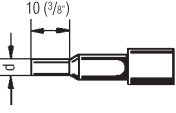
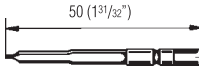
This selection program is updated permanently and allows you to look for suitable inserting tools for your DEPRAG screwdriver yourself.

Simply pick the required parameters from the shown listing by mouse click and you will get the respective part no. including an information about the lead time.

All you have to do now is to send an inquiry to [export@deprag.de](mailto:export@deprag.de) via e-mail and we will arrange to send you our related offer either directly or via our respective local representative.


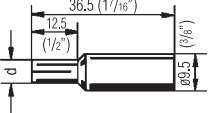

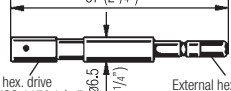
# FOR NANOMAT and MICROMAT SCREWDRIVER

## Bits, finders (without and with screw suction)


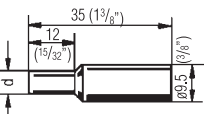

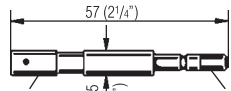
| slotted screws  |      | finder 1) *)  |     |          | bit   |             |          |
|---|------|---|-----|----------|---|-------------|----------|
|  |      |  |     |          |  |             |          |
| head dia.   |      | d   |     | Part no. | blade   |             | Part no. |
| mm  | in.  | mm  | in. |          | mm  | in.         |          |
| 3.0   | .118 | 4.0   | .16 | 325612   | 0.4 x 2.0   | .016 x .080 | 341689   |
| 3.0   | .118 | 4.0   | .16 | 341697   | 0.4 x 2.5   | .016 x .098 | 341690   |
| 3.8   | .150 | 4.8   | .19 | 323862   | 0.5 x 3.0   | .020 x .122 | 323854   |
| 4.2   | .165 | 5.3   | .21 | 341739   | 0.6 x 3.5   | .024 x .134 | 341691   |
| 4.3   | .170 | 5.5   | .22 | 341740   | 0.5 x 3.0   | .020 x .122 | 323854   |
| 4.5   | .177 | 5.6   | .22 | 341698   | 0.6 x 3.5   | .024 x .134 | 341691   |
| 4.7   | .185 | 5.8   | .23 | 341702   | 0.6 x 3.5   | .024 x .134 |          |
| 5.6   | .220 | 6.6   | .26 | 323864   | 0.8 x 4.0   | .032 x .154 | 341692   |

1) hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

## Bits, slotted finders, bit holder (non-magnetic)

| slotted screws  |      | finder *)   |     |          | bit  |             |          | bit holder (non-magnetic)   |  |
|---|------|---|-----|----------|--|-------------|----------|---|--|
|  |      |  |     |          |  |             |          |  |  |
| head dia.   |      | d   |     | Part no. | blade  |             | Part no. |   |  |
| mm  | in.  | mm  | in. |          | mm   | in.         |          |   |  |
| 3.8   | .150 | 5.0   | .20 | 803940   | 0.5 x 3  | .020 x .122 | 803606   |   |  |
| 4.2   | .165 | 5.5   | .22 | 341783   | 0.6 x 3.5  | .024 x .134 | 803935   |   |  |
| 4.3   | .170 | 5.5   | .22 | 341784   | 0.5 x 3  | .020 x .122 | 803606   |   |  |
| 4.5   | .177 | 6.0   | .24 | 803944   | 0.6 x 3.5  | .024 x .134 | 803935   |   |  |
| 4.7   | .185 | 6.0   | .24 | 803943   | 0.6 x 3.5  | .024 x .134 | 803607   |   |  |
| 5.5   | .216 | 7.0   | .28 | 803943   | 0.8 x 4  | .032 x .154 | 803607   |   |  |
| 5.6   | .220 | 7.0   | .28 |          | 0.8 x 4  | .032 x .154 | 803607   |   |  |



## Bits, finders, bit holder (magnetic)

| slotted screws  |      | finder *)   |     |          | bit  |             |          | bit holder (non-magnetic)   |  |
|---|------|---|-----|----------|--|-------------|----------|---|--|
|  |      |  |     |          |  |             |          |  |  |
| head dia.   |      | d   |     | Part no. | blade  |             | Part no. |   |  |
| mm  | in.  | mm  | in. |          | mm   | in.         |          |   |  |
| 3.8   | .150 | 5.0   | .20 | 803945   | 0.5 x 3  | .020 x .122 | 803606   |   |  |
| 4.2   | .165 | 5.5   | .22 | 803949   | 0.6 x 3.5  | .024 x .134 | 803935   |   |  |
| 4.3   | .170 | 5.5   | .22 | 803949   | 0.6 x 3.5  | .024 x .134 | 803935   |   |  |
| 4.5   | .177 | 5.5   | .22 | 803946   | 0.6 x 3.5  | .024 x .134 | 803929   |   |  |
| 4.7   | .185 | 6.0   | .24 | 803946   | 0.6 x 3.5  | .024 x .134 | 803929   |   |  |
| 5.5   | .216 | 7.0   | .28 | 803948   | 0.8 x 4  | .032 x .154 | 803607   |   |  |
| 5.6   | .220 | 7.0   | .28 | 803948   | 0.8 x 4  | .032 x .154 | 803607   |   |  |

\*) suitable for MICROMAT screwdrivers. Finders for NANOMAT on special request.

# FOR NANOMAT and MICROMAT SCREWDRIVER



## Bits, finders (without and with screw suction)

|  PHILLIPS screws<br> POZIDRIV screws |           |      | without screw suction bit |                   | finder 1) *) |   |     | with screw suction bit |                   |                   |
|--|-----------|------|---------------------------|-------------------|--------------|---|-----|------------------------|-------------------|-------------------|
| point size   | head dia. |      | PHILLIPS Part no.         | POZIDRIV Part no. | mm           | d | in. | Part no.               | PHILLIPS Part no. | POZIDRIV Part no. |
|  | mm        | in.  |                           |                   |              |   |     |                        |                   |                   |
| 0  | 3.0       | .118 | 323906                    | 803613            | 3.8          |   |     | 323861                 | 323906            | 353571            |
| 0  | 3.2       | .125 |                           |                   | 4.2          |   |     | 329719                 |                   |                   |
| 1  | 3.8       | .150 |                           |                   | 4.8          |   |     | 323862                 |                   |                   |
| 1  | 4.0       | .157 |                           |                   | 5.2          |   |     | 326230                 |                   |                   |
| 1  | 4.2       | .165 |                           |                   | 5.2          |   |     | 324571                 |                   |                   |
| 1  | 4.3       | .170 |                           |                   | 5.2          |   |     | 324341                 |                   |                   |
| 1  | 4.7       | .185 |                           |                   | 5.7          |   |     | 326231                 |                   |                   |
| 1  | 5.0       | .196 |                           |                   | 6.6          |   |     | 323864                 |                   |                   |
| 1  | 5.5       | .216 |                           |                   | 6.6          |   |     | 323864                 |                   |                   |
| 1  | 5.6       | .220 |                           |                   | 6.6          |   |     | 323864                 |                   |                   |
| 1  | 6.0       | .236 |                           |                   | 7.0          |   |     | 324659                 |                   |                   |



1) hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

\*) suitable for MICROMAT screwdriver. Finders for NANOMAT on special request.

## Bits, bit holders (non-magnetic and magnetic)

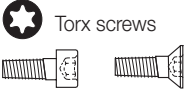
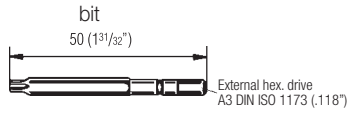
|  PHILLIPS screws<br> POZIDRIV screws |                   |                   | bit      |          | bit holder (non-magnetic) or bit holder (magnetic) |                   |
|--|-------------------|-------------------|----------|----------|--|-------------------|
| point size   | PHILLIPS Part no. | POZIDRIV Part no. | Part no. | Part no. | PHILLIPS Part no.                                  | POZIDRIV Part no. |
|  |                   |                   |          |          |  |                   |
| 1  | 803951            | 803925            | 803951   | 803925   |  |                   |
| 2  | 803952            | 803612            | 803952   | 803612   |  |                   |

## Bits, bit holders (non-magnetic and magnetic)


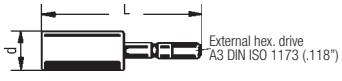


|  allen screws, threaded pins<br> Torx screws |           | allen bit |          | Torx bit |          | bit holder (non-magnetic) or bit holder (magnetic) |                   |
|--|-----------|-----------|----------|----------|----------|--|-------------------|
| AF mm  | Torx size | Part no.  | Part no. | Part no. | Part no. | non-magnetic Part no.                              | magnetic Part no. |
|  |           |           |          |          |          |  |                   |
| 0.9  | T 7       | 803955    | 803604   |          |          |  |                   |
| 1.5  | T 8       | 803956    | 803601   |          |          |  |                   |
| 2  | T 9       | 803957    | 803603   |          |          |  |                   |
| 2.5  | T 10      | 803958    | 803602   |          |          |  |                   |
| 3  | T 15      | 803959    | 803608   |          |          |  |                   |

# FOR NANOMAT and MICROMAT SCREWDRIVER

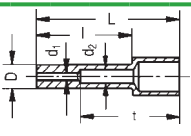
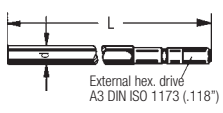
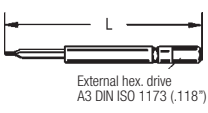
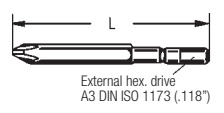
## Bits

|  |   |          |
|--|---|----------|
|  <p>Torx screws</p> |  <p>bit<br/>50 (1<sup>31</sup>/<sub>32</sub>"")<br/>External hex. drive<br/>A3 DIN ISO 1173 (.118")</p> |          |
|  | Torx size   | Part no. |
|  | T 6   | 803926   |
|  | T 7   | 803586   |
|  | T 8   | 803587   |
| T 10   | 803589  |          |

## Sockets with shaft (without and with screw suction)

|  |  |           |                                |          |  |                                 |         |          |  |         |                                 |                                |
|--|--|-----------|--------------------------------|----------|--|---------------------------------|---------|----------|--|---------|---------------------------------|--------------------------------|
|  <p>hex. screws<br/>hex. nuts</p> | <b>without screw suction</b>   |           |                                |          | <b>with screw suction</b>  |                                 |         |          |  |         |                                 |                                |
|  | socket with shaft  |           |                                |          | spring sleeve *)   |                                 |         |          | socket with shaft  |         |                                 |                                |
|  |  <p>External hex. drive<br/>A3 DIN ISO 1173 (.118")</p> |           |                                |          |  |                                 |         |          |  <p>External hex. drive<br/>A3 DIN ISO 1173 (.118")</p> |         |                                 |                                |
|  | AF<br>mm   | AF<br>in. | d<br>mm                        | L<br>in. | Part no.   | Part no.                        | d<br>mm | L<br>in. | Part no.   | d<br>mm | L<br>in.                        | Part no.                       |
|  | 4.0  | 5/32      | 8                              | 5/16     | 43   | 1 <sup>11</sup> / <sub>16</sub> | 803960  | 330633   | 7  | 9/32    | 40                              | 1 <sup>9</sup> / <sub>16</sub> |
| —  | 3/16   | —         | —                              | —        | —  | —                               | —       | 7        | 9/32   | 43      | 1 <sup>11</sup> / <sub>16</sub> | 330239                         |
| 5.0  | —  | 9         | 2 <sup>3</sup> / <sub>64</sub> | 43       | 1 <sup>11</sup> / <sub>16</sub>  | 803961                          | —       | 8        | 5/16   | 40      | 1 <sup>9</sup> / <sub>16</sub>  | 324588                         |
| 5.5  | 7/32   | 10        | 2 <sup>3</sup> / <sub>64</sub> | 43       | 1 <sup>11</sup> / <sub>16</sub>  | 803962                          | 330634  | 8        | 5/16   | 44      | 1 <sup>23</sup> / <sub>32</sub> | 324589                         |
| —  | 1/4  | —         | —                              | —        | —  | —                               | —       | 9.5      | 3/8  | 45      | 1 <sup>25</sup> / <sub>32</sub> | 330241                         |

## Semi-finished bits and finders (not hardened)

|           |                |                |     |     |     |          |                                 |     |                                |      |                                |                   |                   |     |     |   |        |          |           |  |                                 |        |   |   |                                 |        |        |  |  |  |  |
|-----------|----------------|----------------|-----|-----|-----|----------|---------------------------------|-----|--------------------------------|------|--------------------------------|-------------------|-------------------|-----|-----|---|--------|----------|-----------|--|---------------------------------|--------|---|---|---------------------------------|--------|--------|--|--|--|--|
| finder *) |                |                |     |     |     |          |                                 |     |                                |      |                                |                   |                   |     |     |  |        |          |           |  <p>External hex. drive<br/>A3 DIN ISO 1173 (.118")</p> |                                 |        |   |  <p>External hex. drive<br/>A3 DIN ISO 1173 (.118")</p> |                                 |        |        |  <p>External hex. drive<br/>A3 DIN ISO 1173 (.118")</p> |  |  |  |
| D         | d <sub>1</sub> | d <sub>2</sub> | L   | l   | t   | Part no. | d                               | L   | blade                          | L    | point size                     | PHILLIPS Part no. | POZIDRIV Part no. |     |     |   |        |          |           |  |                                 |        |   |   |                                 |        |        |  |  |  |  |
| mm        | in.            | mm             | in. | mm  | in. | mm       | mm                              | in. | mm                             | in.  | mm                             | in.               | mm                | in. |     |   |        |          |           |  |                                 |        |   |   |                                 |        |        |  |  |  |  |
| 5.0       | .20            | 1.5            | .06 | 3.0 | .12 | 30.5     | 1 <sup>13</sup> / <sub>64</sub> | 24  | 1 <sup>5</sup> / <sub>16</sub> | 19.5 | 4 <sup>9</sup> / <sub>64</sub> | 490013            | 3.6               | .14 | 102 | 4   | 490230 | 0.20x1.0 | .008x.040 | 50   | 1 <sup>31</sup> / <sub>32</sub> | 324098 | 1 | 75  | 2 <sup>15</sup> / <sub>16</sub> | 328176 | 333917 |  |  |  |  |
| 5.5       | .22            | 1.5            | .06 | 3.9 | .15 | 30.5     | 1 <sup>13</sup> / <sub>64</sub> | 24  | 1 <sup>5</sup> / <sub>16</sub> | 19.5 | 4 <sup>9</sup> / <sub>64</sub> | 490014            | 3.6               | .14 | 130 | 5/8   | 490229 | 0.25x1.5 | .010x.060 | 50   | 1 <sup>31</sup> / <sub>32</sub> | 324099 | 1 | 90  | 3 <sup>9</sup> / <sub>16</sub>  | 339921 | 339922 |  |  |  |  |
| 6.6       | .26            | 1.5            | .06 | 4.8 | .19 | 31.5     | 1 <sup>1</sup> / <sub>4</sub>   | 25  | 3 <sup>1</sup> / <sub>32</sub> | 20.5 | 1 <sup>3</sup> / <sub>16</sub> | 490015            | 4.0               | .16 | 100 | 3 <sup>15</sup> / <sub>16</sub>   | 490228 | 0.25x2.0 | .010x.080 | 50   | 1 <sup>31</sup> / <sub>32</sub> | 324100 | 1 | 102   | 4                               | 327520 | 337990 |  |  |  |  |
| 6.6       | .26            | —              | —   | 4.8 | .19 | 84.5     | 3 <sup>21</sup> / <sub>64</sub> | 78  | 3 <sup>1</sup> / <sub>16</sub> | 20.5 | 1 <sup>3</sup> / <sub>16</sub> | 490069            | 4.0               | .16 | 152 | 6   | 490212 | 0.40x4.0 | .016x.154 | 90   | 3 <sup>9</sup> / <sub>16</sub>  | 339923 | 0 | 152   | 6                               | 348426 | —      |  |  |  |  |
| —         | —              | —              | —   | —   | —   | —        | —                               | —   | —                              | —    | —                              | —                 | —                 | —   | —   | —   | —      | 0.50x4.0 | .020x.154 | 90   | 3 <sup>9</sup> / <sub>16</sub>  | 339924 | 1 | 152   | 6                               | 348430 | 348431 |  |  |  |  |
| —         | —              | —              | —   | —   | —   | —        | —                               | —   | —                              | —    | —                              | —                 | —                 | —   | —   | —   | —      | 0.70x4.0 | .028x.154 | 90   | 3 <sup>9</sup> / <sub>16</sub>  | 339925 | — | —   | —                               | —      | —      |  |  |  |  |

\*) suitable for MICROMAT screwdriver. Spring sleeves or finder for NANOMAT on special request.

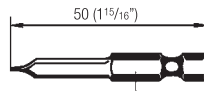
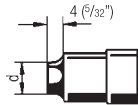
# FOR MINIMAT, RECYCLING, SLIP CLUTCH SCREWDRIVERS

## Bits, finders

 slotted screws

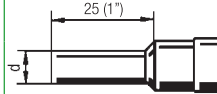


short execution  
without screw suction

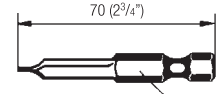


External hex. drive  
E6.3 DIN ISO 1173 (1/4")

long execution  
without screw suction



with screw suction (only  
MINIMAT straight screwdr.  
size 1 and size 2)



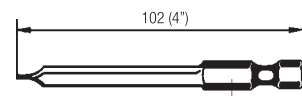
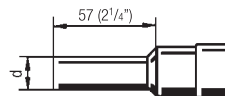
External hex. drive  
E6.3 DIN ISO 1173 (1/4")

| head dia. |      | d    |     | finder 1)<br>Part no. | blade     |             | bit<br>Part no. | d   |     | finder 1)<br>Part no. | blade     |             | bit<br>Part no. |
|-----------|------|------|-----|-----------------------|-----------|-------------|-----------------|-----|-----|-----------------------|-----------|-------------|-----------------|
| mm        | in.  | mm   | in. |                       | mm        | in.         |                 | mm  | in. |                       | mm        | in.         |                 |
| 3.8       | .150 | 5.5  | .22 |                       | 0.5 x 3   | .020 x .122 |                 | 6   | .24 | 325246                | 0.5 x 3   | .020 x .122 | 804021          |
| 4         | .157 | 5.5  | .22 | 322575                | 0.5 x 3   | .020 x .122 | 804001          | —   | —   | —                     | —         | —           | —               |
| 4.2       | .165 | 5.5  | .22 |                       | 0.5 x 3   | .020 x .122 |                 | 6   | .24 | 325247                | 0.5 x 3   | .020 x .122 |                 |
| 4.3       | .170 | 6    | .24 | 342338                | 0.6 x 3.5 | .024 x .134 |                 | 6   | .24 | 325248                | 0.5 x 3   | .020 x .122 | 804021          |
| 4.5       | .177 | 6    | .24 |                       | 0.6 x 3.5 | .024 x .134 | 803598          | 6   | .24 | 325249                | 0.5 x 3   | .020 x .122 |                 |
| 4.7       | .185 | 7    | .28 | 342337                | 0.6 x 3.5 | .024 x .134 |                 | 6.5 | .26 | 325249                | 0.5 x 3   | .020 x .122 |                 |
| 5         | .196 | 7    | .28 | 342346                | 0.6 x 4.5 | .024 x .177 | 803590          | —   | —   | —                     | —         | —           | —               |
| 5.6       | .220 | 7    | .28 | 322573                | 0.8 x 4   | .032 x .154 | 803592          | 7   | .28 | 325133                | 0.8 x 4   | .032 x .154 | 803595          |
| 6         | .236 | 7.5  | .30 | 342340                | 0.8 x 5.5 | .032 x .215 | 804012          | 7.5 | .30 | 325751                | 0.8 x 4   | .032 x .154 |                 |
| 6.5       | .255 | 8.5  | .33 | 342344                | 0.8 x 4   | .032 x .154 | 803592          | —   | —   | —                     | —         | —           | —               |
| 6.9       | .271 | 8.5  | .33 |                       | 1 x 5.5   | .038 x .215 | 803593          | 8.5 | .33 | 325250                | 1 x 5.5   | .038 x .215 | 803596          |
| 7         | .275 | 8.5  | .33 | 342339                | 0.8 x 5.5 | .032 x .215 | 804012          | —   | —   | —                     | —         | —           | —               |
| 7         | .275 | 8.5  | .33 |                       | 1 x 5.5   | .038 x .215 | 803593          | 8.5 | .33 | 325250                | 1 x 5.5   | .038 x .215 | 803596          |
| 7.5       | .295 | 9.5  | .37 | 342342                | 1 x 5.5   | .038 x .215 |                 | 9   | .35 | 342258                | 1 x 5.5   | .038 x .215 |                 |
| 8.2       | .323 | 9.5  | .37 | 342341                | 1.2 x 6.5 | .046 x .255 | 803872          | 9.5 | .37 | 342249                | 1.2 x 6.5 | .046 x .255 | 803873          |
| 8.3       | .326 | 10.5 | .41 | 342345                | 1 x 5.5   | .038 x .215 | 803593          | —   | —   | —                     | —         | —           | —               |
| 8.5       | .334 | 12   | .47 | 322630                | 1.2 x 8   | .046 x .255 | 804007          | 10  | .39 | 342248                | 1.2 x 6.5 | .046 x .255 | 803873          |
| 9         | .354 | 10.5 | .41 | 342345                | 1 x 5.5   | .038 x .215 | 803593          | —   | —   | —                     | —         | —           | —               |
| 9.2       | .362 | 12   | .47 |                       | 1.2 x 8   | .046 x .312 |                 | 11  | .43 | 325255                | 1.2 x 8   | .046 x .312 |                 |
| 9.5       | .374 | 12   | .47 |                       | 1.2 x 8   | .046 x .312 | 804007          | 11  | .43 | 325256                | 1.2 x 8   | .046 x .312 | 804027          |
| 10        | .395 | 12   | .47 | 322630                | 1.2 x 8   | .046 x .312 |                 | 12  | .47 | 325170                | 1.2 x 8   | .046 x .312 |                 |
| 10        | .395 | 12   | .47 |                       | 1.6 x 8   | .063 x .312 | 803594          | 12  | .47 |                       | 1.6 x 8   | .063 x .312 | 803597          |
| 11        | .433 | 13   | .51 | 342343                | 1.6 x 8   | .063 x .312 |                 | 13  | .51 | 342260                | 1.6 x 8   | .063 x .312 |                 |

# FOR MINIMAT, SLIP CLUTCH SCREWDRIVERS

## Special bits, finders

 slotted screws



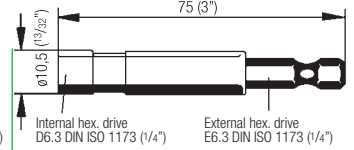
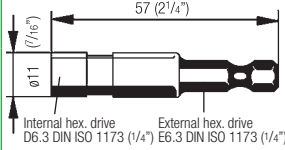
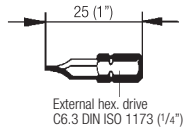
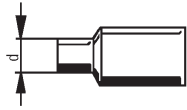
External hex. drive  
E6.3 DIN ISO 1173 (1/4")

| head dia. |      | d    |     | finder 1)<br>Part no. | blade     |             | bit<br>Part no. |
|-----------|------|------|-----|-----------------------|-----------|-------------|-----------------|
| mm        | in.  | mm   | in. |                       | mm        | in.         |                 |
| 3.8       | .150 | —    | —   | —                     | —         | —           | —               |
| 4         | .157 | —    | —   | —                     | —         | —           | —               |
| 4.2       | .165 | 6    | .24 | 353891                | 0.7 x 3.5 | .028 x .134 |                 |
| 4.3       | .170 | 6    | .24 |                       | 0.7 x 3.5 | .028 x .134 | 804013          |
| 4.5       | .177 | 6    | .24 | 353892                | 0.7 x 3.5 | .028 x .134 |                 |
| 4.7       | .185 | 6.5  | .26 | 353894                | 0.7 x 3.5 | .028 x .134 |                 |
| 5         | .196 | —    | —   | —                     | —         | —           | —               |
| 5.6       | .220 | 7    | .28 | 353897                | 0.8 x 4   | .032 x .154 | 804014          |
| 6         | .236 | 7.5  | .30 | 333680                | 0.8 x 4.7 | .032 x .187 | 804018          |
| 6.5       | .255 | —    | —   | —                     | —         | —           | —               |
| 6.9       | .271 | 8.5  | .33 | 332770                | 0.9 x 5.5 | .036 x .215 | 804015          |
| 7         | .275 | —    | —   | —                     | —         | —           | —               |
| 7         | .275 | 8.5  | .33 | 332770                | 0.9 x 5.5 | .036 x .215 | 804015          |
| 7.5       | .295 | 9    | .35 | 346365                | 1 x 6.3   | .038 x .250 | 804019          |
| 8.2       | .323 | 9.5  | .37 | 333681                | 1 x 7     | .038 x .275 | 804016          |
| 8.3       | .326 | —    | —   | —                     | —         | —           | —               |
| 8.5       | .334 | 10   | .39 | 351811                | 1 x 7     | .038 x .275 | 804016          |
| 9         | .354 | —    | —   | —                     | —         | —           | —               |
| 9.2       | .362 | 11   | .43 | 331735                | 1.2 x 8   | .046 x .312 |                 |
| 9.5       | .374 | 11.5 | .45 | 351813                | 1.2 x 8   | .046 x .312 |                 |
| 10        | .395 | 12   | .47 | 326388                | 1.2 x 8   | .046 x .312 | 804017          |
| 10        | .395 | 12   | .47 |                       | 1.2 x 8   | .046 x .312 |                 |
| 11        | .433 | 13   | .51 | 326389                | 1.2 x 8   | .046 x .312 |                 |

<sup>1)</sup> hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

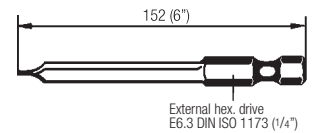
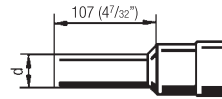
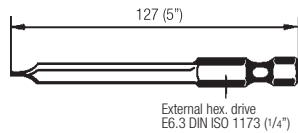
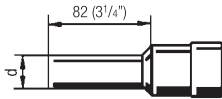
# FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

## Bits, finders, bit holders (non-magnetic and magnetic)



| d    |     | finder Part no. | blade     |             | bit Part no. | bit holder (non-magnetic) Part no. | bit holder (magnetic) Part no. |         |
|------|-----|-----------------|-----------|-------------|--------------|------------------------------------|--------------------------------|---------|
| mm   | in. |                 | mm        | in.         |              |                                    |                                |         |
| 6    | .24 | 354698          | 0.5 x 3   | .020 x .122 | 820883       | 804602                             | 821068                         |         |
| 6    | .24 |                 | 0.5 x 3   | .020 x .122 |              |                                    |                                |         |
| 6.5  | .26 | 354699          | 0.6 x 3.5 | .024 x .134 | 8210713      |                                    |                                |         |
| 6.5  | .26 |                 | 0.6 x 3.5 | .024 x .134 |              |                                    |                                |         |
| 7    | .28 | 354700          | 0.6 x 3.5 | .024 x .134 | 803841       |                                    |                                |         |
| 7    | .28 |                 | 0.6 x 3.5 | .024 x .134 |              |                                    |                                |         |
| 7.5  | .30 | 341388          | 0.6 x 4.5 | .024 x .177 | 803842       |                                    |                                |         |
| 8    | .31 | 354701          | 0.8 x 5   | .032 x .196 | 803969       |                                    |                                |         |
| 8    | .31 | 334920          | 0.8 x 5.5 | .032 x .215 |              |                                    |                                |         |
| 8.5  | .33 | 354702          | 0.8 x 5.5 | .032 x .215 | 8210723      |                                    |                                |         |
| 9    | .35 | 354468          | 0.8 x 5.5 | .032 x .215 |              |                                    |                                |         |
| 9    | .35 |                 | 0.8 x 5.5 | .032 x .215 |              |                                    |                                |         |
| 9    | .35 | 354703          | 1.2 x 6.5 | .046 x .255 |              |                                    |                                | 821075  |
| 10   | .39 | 354704          | 1 x 5.5   | .038 x .215 |              |                                    |                                | 821075  |
| 10.5 | .41 | 354705          | 1.2 x 6.5 | .046 x .255 |              |                                    |                                | 803846  |
| 10.5 | .41 | 354706          | 1 x 5.5   | .038 x .215 |              |                                    |                                | 821075  |
| 10.5 | .41 | 354707          | 1.2 x 8   | .046 x .312 |              |                                    |                                | 803846  |
| 11   | .43 | 354708          | 1 x 5.5   | .038 x .215 |              |                                    |                                | 821075  |
| 11.5 | .45 | 354709          | 1.2 x 6.5 | .046 x .255 |              |                                    |                                | 8210723 |
| 11.5 | .45 | 354710          | 1.2 x 8   | .046 x .312 |              |                                    |                                | 803846  |
| 12.5 | .49 | 354711          | 1.2 x 8   | .046 x .312 |              |                                    |                                |         |
| 12.5 | .49 | 354712          | 1.6 x 8   | .063 x .312 |              | 821076                             |                                |         |
| 13.5 | .53 | 354712          | 1.6 x 8   | .063 x .312 |              |                                    |                                |         |

## without screw suction / with screw suction (only MINIMAT straight screwdriver size 1 and size 2)



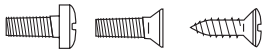
| d    |     | finder 1) Part no. | blade     |             | bit Part no. | d    |     | finder 1) Part no. | blade     |             | bit Part no. |
|------|-----|--------------------|-----------|-------------|--------------|------|-----|--------------------|-----------|-------------|--------------|
| mm   | in. |                    | mm        | in.         |              | mm   | in. |                    | mm        | in.         |              |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| 7    | .28 | 353904             | 0.8 x 4   | .032 x .154 | 804034       | 7    | .28 | 343915             | 0.8 x 4   | .032 x .154 | 803979       |
| 7.5  | .30 | 330731             | 0.8 x 4.7 | .032 x .187 | 804039       | 7.5  | .30 | 328972             | 0.8 x 4.7 | .032 x .187 | 803980       |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| 8.5  | .33 | 353905             | 0.9 x 5.5 | .036 x .215 | 804035       | 8.5  | .33 | 353911             | 0.9 x 5.5 | .036 x .215 | 803981       |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| 8.5  | .33 | 353905             | 0.9 x 5.5 | .036 x .215 | 804035       | 8.5  | .33 | 353911             | 0.9 x 5.5 | .036 x .215 | 803981       |
| 9    | .35 | 330178             | 1 x 6.3   | .038 x .250 | 804033       | 9    | .35 | 353912             | 1 x 6.3   | .038 x .250 | 803982       |
| 9.5  | .37 | 353906             | 1 x 7     | .038 x .275 | 804036       | 9.5  | .37 | 353913             | 1 x 7     | .038 x .275 | 803983       |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| 10   | .39 | 326669             | 1 x 7     | .038 x .275 | 804036       | 10   | .39 | 332775             | 1 x 7     | .038 x .275 | 803983       |
| —    | —   | —                  | —         | —           | —            | —    | —   | —                  | —         | —           |              |
| 11   | .43 | 353907             | 1.2 x 8   | .046 x .312 | —            | 11   | .43 | 353914             | 1.2 x 8   | .046 x .312 | —            |
| 11.5 | .45 | 353909             | 1.2 x 8   | .046 x .312 | —            | 11.5 | .45 | 353915             | 1.2 x 8   | .046 x .312 | —            |
| 12   | .47 | 325518             | 1.2 x 8   | .046 x .312 | 8040371      | 12   | .47 | 337006             | 1.2 x 8   | .046 x .312 | 803984       |
| 12   | .47 | 325518             | 1.2 x 8   | .046 x .312 |              |      |     |                    |           |             |              |
| 13   | .51 | 353910             | 1.2 x 8   | .046 x .312 | —            | 13   | .51 | 353916             | 1.2 x 8   | .046 x .312 | —            |

<sup>1)</sup> hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

# FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

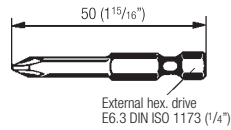
 PHILLIPS screws

 POZIDRIV screws

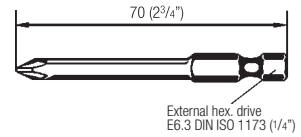


## Bits

short execution  
without screw suction



long execution  
without screw suction

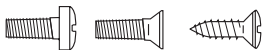


| point size | head dia. |      | PHILLIPS<br>Part no. | POZIDRIV<br>Part no. | PHILLIPS<br>Part no. | POZIDRIV<br>Part no. |
|------------|-----------|------|----------------------|----------------------|----------------------|----------------------|
|            | mm        | in.  |                      |                      |                      |                      |
| 0          | 3.8       | .150 | 804040               | —                    | 804045               | —                    |
| 1          | 3.8       | .150 |                      |                      |                      |                      |
| 1          | 4         | .157 |                      |                      |                      |                      |
| 1          | 4.3       | .170 |                      |                      |                      |                      |
| 1          | 4.7       | .185 | 804041               | 803985               | 804046               | 803988               |
| 1          | 5         | .196 |                      |                      |                      |                      |
| 1          | 5.6       | .220 |                      |                      |                      |                      |
| 1          | 6         | .236 |                      |                      |                      |                      |
| 2          | 6.5       | .255 |                      |                      |                      |                      |
| 2          | 6.9       | .271 |                      |                      |                      |                      |
| 2          | 7         | .275 |                      |                      |                      |                      |
| 2          | 7.5       | .295 |                      |                      |                      |                      |
| 2          | 8.2       | .323 | 804042               | 803986               | 804047               | 803989               |
| 2          | 8.3       | .326 |                      |                      |                      |                      |
| 2          | 9         | .354 |                      |                      |                      |                      |
| 2          | 9.2       | .362 |                      |                      |                      |                      |
| 2          | 9.5       | .374 |                      |                      |                      |                      |
| 2          | 10        | .395 |                      |                      |                      |                      |
| 3          | 11        | .433 |                      |                      |                      |                      |
| 3          | 12        | .472 | 804043               | 803987               | 804048               | 803990               |
| 3          | 12.5      | .492 |                      |                      |                      |                      |
| 4          | 14.5      | .573 | 804044               | 803991               | —                    | —                    |
| 4          | 16        | .630 |                      |                      |                      |                      |

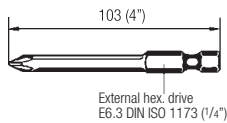
# FOR MINIMAT, RECYCLING, SLIP CLUTCH, ELECTRIC SCREWDRIVERS

 PHILLIPS screws

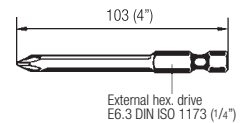
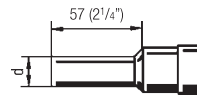
 POZIDRIV screws



without  
screw suction



with screw suction (only  
MINIMAT straight screwdriver size 1 and size 2)



| point size | head dia. |      | PHILLIPS<br>Part no. | POZIDRIV<br>Part no. | d    |     | finder <sup>1)</sup><br>Part no. | PHILLIPS<br>Part no. | POZIDRIV<br>Part no. |
|------------|-----------|------|----------------------|----------------------|------|-----|----------------------------------|----------------------|----------------------|
|            | mm        | in.  |                      |                      | mm   | in. |                                  |                      |                      |
| 1          | 3.8       | .150 |                      |                      | 7    | .28 | 353917                           |                      |                      |
| 1          | 4         | .157 |                      |                      | 7    | .28 | 353931                           |                      |                      |
| 1          | 4.3       | .170 |                      |                      | 7    | .28 | 353933                           | 353921               | 353922               |
| 1          | 4.7       | .185 | 324963               | 324686               | 7    | .28 | 353934                           |                      |                      |
| 1          | 5         | .196 |                      |                      | 7    | .28 | 353935                           |                      |                      |
| 1          | 5.6       | .220 |                      |                      | 7.5  | .30 | 334181                           |                      |                      |
| 1          | 6         | .236 |                      |                      | 7.5  | .30 | 333680                           | 324963               | 324686               |
| 2          | 6.5       | .255 |                      |                      | —    | —   | —                                | —                    | —                    |
| 2          | 6.9       | .271 |                      |                      | 8.5  | .33 | 338337                           | 324331               | 324842               |
| 2          | 7         | .275 |                      |                      | —    | —   | —                                | —                    | —                    |
| 2          | 7.5       | .295 |                      |                      | 9    | .35 | 346365                           | 324331               | 324842               |
| 2          | 8.2       | .323 | 324331               | 324842               | 10   | .39 | 344104                           |                      |                      |
| 2          | 8.3       | .326 |                      |                      | —    | —   | —                                | —                    | —                    |
| 2          | 9         | .354 |                      |                      | —    | —   | —                                | —                    | —                    |
| 2          | 9.2       | .362 |                      |                      | 11   | .43 | 331735                           |                      |                      |
| 2          | 9.5       | .374 |                      |                      | 11.5 | .45 | 351813                           | 324331               | 324842               |
| 2          | 10        | .395 |                      |                      | 12   | .47 | 326388                           |                      |                      |

<sup>1)</sup> hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

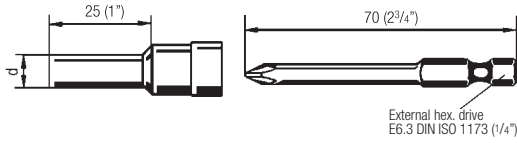


**FOR MINIMAT SCREWDRIVERS**

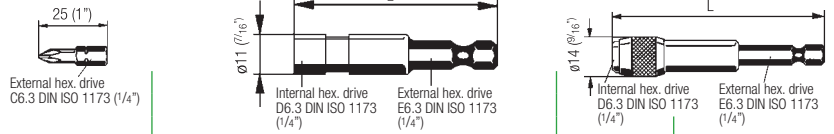
**FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS**

**Bits, finders**

long execution, with screw suction (only MINIMAT straight screwdriver size 1 and size 2)

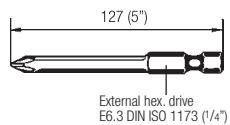


**Bits, bit holders (non-magnetic and magnetic)**

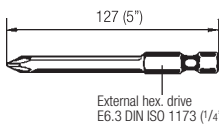
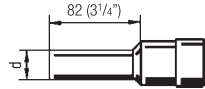


| mm  | d in. | finder 1) Part no. | PHILLIPS Part no. | POZIDRIV Part no. | PHILLIPS Part no. | POZIDRIV Part no. | non-magnetic |       | magnetic |       | magnetic and quick change chuck |        |          |         |        |
|-----|-------|--------------------|-------------------|-------------------|-------------------|-------------------|--------------|-------|----------|-------|---------------------------------|--------|----------|---------|--------|
|     |       |                    |                   |                   |                   |                   | L mm         | L in. | L mm     | L in. | L mm                            | L in.  | Part no. |         |        |
| 6   | .24   | 325246             | 804045            | —                 | 804635            | 8046413           |              |       |          |       |                                 |        |          |         |        |
| 6   | .24   | 325247             | 338894            | 339140            |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 6.5 | .26   | 325249             |                   |                   | 804636            | 804665            |              |       |          |       |                                 |        |          |         |        |
| 6.5 | .26   | 329280             |                   |                   |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 7   | .28   | 325220             | 804046            | 803988            |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 7.5 | .30   | 325181             | —                 | —                 |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 8.5 | .33   | 325251             | 804047            | 803989            |                   |                   | 57           | 2 1/4 | 804602   | 75    | 3                               | 821068 |          |         |        |
| —   | —     | —                  | —                 | —                 |                   |                   | 102          | 4     | 8046391  | 100   | 3 15/16                         | 337722 |          |         |        |
| 9   | .35   | 325260             | 804047            | 803989            |                   |                   | 152          | 6     | 8046141  | 150   | 5 29/32                         | 330744 | 51.5     | 2 1/32  | 821692 |
| 9.5 | .37   | 325253             | 804047            | 803989            |                   |                   | 152          | 6     | 8046141  | 204   | 8 1/32                          | 335481 | 76.5     | 3       | 820150 |
| —   | —     | —                  | —                 | —                 | 804637            | 804666            | 203          | 8     | 8129441  | 250   | 9 27/32                         | 334086 | 151.5    | 5 31/32 | 358131 |
| —   | —     | —                  | —                 | —                 |                   |                   |              |       |          | 300   | 11 13/16                        | 330745 |          |         |        |
| 11  | .43   | 325255             | —                 | —                 |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 11  | .43   | 325256             | 804047            | 803989            |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 12  | .47   | 325170             | —                 | —                 |                   |                   |              |       |          |       |                                 |        |          |         |        |
| 13  | .51   | 342260             | 804048            | 803990            |                   |                   |              |       |          |       |                                 |        |          |         |        |
| —   | —     | —                  | —                 | —                 | 804638            | 804667            |              |       |          |       |                                 |        |          |         |        |
| —   | —     | —                  | —                 | —                 | 804640            | 804674            |              |       |          |       |                                 |        |          |         |        |

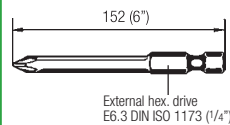
without screw suction



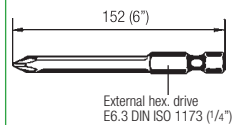
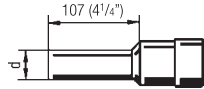
with screw suction (only MINIMAT straight screwdriver size 1 and size 2)



without screw suction



with screw suction (only MINIMAT straight screwdriver size 1 and size 2)

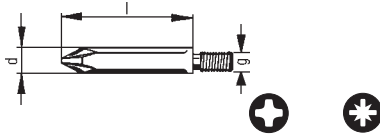


| PHILLIPS Part no. | POZIDRIV Part no. | d mm | d in. | finder 1) Part no. | PHILLIPS Part no. | POZIDRIV Part no. | PHILLIPS Part no. | POZIDRIV Part no. | d mm | d in. | finder 1) Part no. | PHILLIPS Part no. | POZIDRIV Part no. |
|-------------------|-------------------|------|-------|--------------------|-------------------|-------------------|-------------------|-------------------|------|-------|--------------------|-------------------|-------------------|
|                   |                   |      |       |                    |                   |                   |                   |                   |      |       |                    |                   |                   |
|                   |                   | 7    | .28   | 353946             |                   |                   |                   |                   | 7    | .28   | 353958             |                   |                   |
|                   |                   | 7    | .28   | 353947             | 353944            | 339867            |                   |                   | 7    | .28   | 353959             | 346327            | 340727            |
|                   |                   | 7    | .28   | 353948             |                   |                   | 327986            | 327386            | 7    | .28   | 353960             |                   |                   |
|                   |                   | 7    | .28   | 353949             |                   |                   |                   |                   | 7    | .28   | 353961             |                   |                   |
|                   |                   | 7.5  | .30   | 337383             |                   |                   |                   |                   | 7.5  | .30   | 337182             |                   |                   |
|                   |                   | 7.5  | .30   | 330731             | 325567            | 330255            |                   |                   | 7.5  | .30   | 328972             | 327986            | 327386            |
|                   |                   | —    | —     | —                  | —                 | —                 |                   |                   | —    | —     | —                  | —                 | —                 |
|                   |                   | 9.5  | .37   | 333555             | 331002            | 331003            |                   |                   | 9    | .35   | 332621             | 328551            | 330026            |
|                   |                   | —    | —     | —                  | —                 | —                 |                   |                   | —    | —     | —                  | —                 | —                 |
|                   |                   | 9    | .35   | 330178             | 331002            | 331003            |                   |                   | 9    | .35   | 353912             | 328551            | 330026            |
| 331002            | 331003            | 9.5  | .37   | 353950             |                   |                   | 328551            | 330026            | 9.5  | .37   | 353962             |                   |                   |
|                   |                   | —    | —     | —                  | —                 | —                 |                   |                   | —    | —     | —                  | —                 | —                 |
|                   |                   | 11   | .43   | 353952             |                   |                   |                   |                   | 11   | .43   | 353963             |                   |                   |
|                   |                   | 11.5 | .45   | 353953             | 331002            | 331003            |                   |                   | 11.5 | .45   | 353964             | 328551            | 330026            |
|                   |                   | 11.5 | .45   | 339264             |                   |                   |                   |                   | 12   | .47   | 326088             |                   |                   |

<sup>1)</sup> hereto spring sleeve cpl., see leaflet of respective screwdriver accessories (optional equipment)

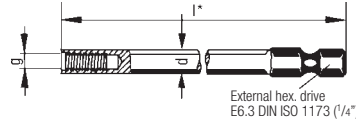
# FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

## Threaded bit tips



| point size | d mm | d in. | g mm  | g in. | PHILLIPS Part no. | POZIDRIV Part no. |
|------------|------|-------|-------|-------|-------------------|-------------------|
| 1          | 5.56 | 7/32  | 8-32  | 22    | 8037441           | 8037071           |
| 1          | 6.35 | 1/4   | 10-32 | 34    | 8037471           | 8037481           |
| 1          | 5    | 13/64 | M 4   | 25    | 8037281           | —                 |
| 1          | 5.5  | 7/32  | M 4   | 25    | —                 | 8037503           |
| 2          | 5.56 | 7/32  | 8-32  | 22    | 8037451           | 8037291           |
| 2          | 6.35 | 1/4   | 10-32 | 34    | 8037461           | 8037491           |
| 2          | 6    | 15/64 | M 5   | 34    | 803855            | 803856            |

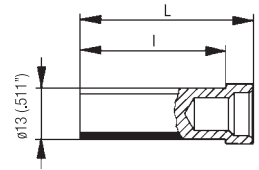
## Bit holder (threaded)



| d mm | d in. | g mm  | g in. | l mm | l in. | Part no. |
|------|-------|-------|-------|------|-------|----------|
| 5.6  | 7/32  | 8-32  | 80    | 35   | 3/32  | 337500   |
| 5.6  | 7/32  | 8-32  | 105   | 41   | 1/8   | 337499   |
| 5.6  | 7/32  | 8-32  | 130   | 51   | 5/8   | 334316   |
| 5.6  | 7/32  | 8-32  | 156   | 62   | 5/32  | 353697   |
| 5.6  | 7/32  | 8-32  | 168   | 66   | 5/8   | 334420   |
| 5.6  | 7/32  | 8-32  | 178   | 7    | —     | 353694   |
| 6.35 | 1/4   | 10-32 | 68    | 21   | 1/16  | 337497   |
| 6.35 | 1/4   | 10-32 | 93    | 32   | 1/32  | 336707   |
| 6.35 | 1/4   | 10-32 | 118   | 42   | 1/32  | 334315   |
| 6.35 | 1/4   | 10-32 | 144   | 54   | 3/64  | 341042   |
| 6.35 | 1/4   | 10-32 | 156   | 62   | 5/32  | 334421   |
| 6.35 | 1/4   | 10-32 | 166   | 61   | 7/32  | 355758   |
| 5.5  | 7/32  | M 4   | 77    | 3    | 1/32  | 337520   |
| 5.5  | 7/32  | M 4   | 102   | 4    | 1/64  | 337521   |
| 5.5  | 7/32  | M 4   | 127   | 5    | —     | 335637   |
| 5.5  | 7/32  | M 4   | 153   | 6    | 1/32  | 354233   |
| 5.5  | 7/32  | M 4   | 165   | 6    | 1/2   | 341765   |
| 5.5  | 7/32  | M 4   | 175   | 6    | 5/64  | 347107   |
| 7    | 9/32  | M 5   | 68    | 2    | 1/16  | 348745   |
| 7    | 9/32  | M 5   | 77    | 3    | 1/32  | 344689   |
| 7    | 9/32  | M 5   | 92    | 3    | 5/8   | 349569   |
| 7    | 9/32  | M 5   | 102   | 4    | 1/64  | 344819   |
| 7    | 9/32  | M 5   | 117   | 4    | 39/64 | 345466   |
| 7    | 9/32  | M 5   | 127   | 5    | —     | 343309   |
| 7    | 9/32  | M 5   | 143   | 5    | 5/8   | 357736   |
| 7    | 9/32  | M 5   | 155   | 6    | 3/32  | 346886   |
| 7    | 9/32  | M 5   | 165   | 6    | 1/2   | 348235   |
| 7    | 9/32  | M 5   | 170   | 6    | 1/16  | 348417   |
| 8    | 5/16  | M 6   | 77    | 3    | 1/32  | 362258   |
| 8    | 5/16  | M 6   | 102   | 4    | 1/64  | 370770   |
| 8    | 5/16  | M 6   | 127   | 5    | —     | 371868   |
| 8    | 5/16  | M 6   | 155   | 6    | 3/32  | 351713   |
| 8    | 5/16  | M 6   | 185   | 7    | 9/32  | 351533   |

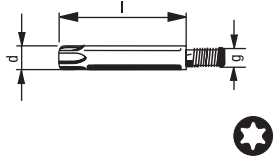
## Semi-finished finders (not hardened)

(not for Electric Screwdrivers)



| L mm | L in.   | l mm | l in.   | bit length mm | bit length in. | Part no. |
|------|---------|------|---------|---------------|----------------|----------|
| 23   | 29/32   | 15   | 19/32   | 50            | 1 15/16        | 490199   |
| 44   | 1 23/32 | 37   | 1 15/32 | 70            | 2 3/4          | 490031   |
| 64   | 1 1/2   | 57   | 2 1/4   | 89            | 3 1/2          | 490105   |
| 101  | 3 21/32 | 94   | 3 11/16 | 102/127       | 4 / 5          | 490107   |
| 126  | 3 21/32 | 119  | 4 11/16 | 152           | 6              | 490108   |

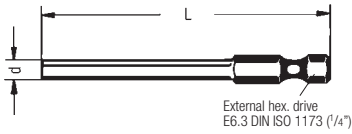
## Threaded bit tips



| torx size | d mm | d in. | g mm  | g in. | torx Part no. |
|-----------|------|-------|-------|-------|---------------|
| T 8       | 5.5  | 7/32  | M 4   | 25    | 8202353       |
| T 10      | 6    | 15/64 | 10-32 | 34    | 8222353       |
| T 10      | 5.5  | 7/32  | M 4   | 25    | 803753        |
| T 10      | 6    | 15/64 | M 5   | 34    | 8238943       |
| T 15      | 6    | 15/64 | 10-32 | 34    | 8129453       |
| T 15      | 5.5  | 7/32  | M 4   | 25    | 803754        |
| T 15      | 6    | 15/64 | M 5   | 34    | 8206033       |
| T 20      | 6    | 15/64 | 10-32 | 34    | 8202973       |
| T 20      | 5.5  | 7/32  | M 4   | 25    | 8037563       |
| T 20      | 6    | 15/64 | M 5   | 34    | 8128943       |
| T 20      | 7    | 9/32  | M 5   | 25    | 8210423       |
| T 25      | 6    | 15/64 | 10-32 | 34    | 8202983       |
| T 25      | 5.5  | 7/32  | M 4   | 25    | 8250083       |
| T 25      | 6    | 15/64 | M 5   | 34    | 8221063       |
| T 25      | 7    | 9/32  | M 6   | 25    | 8217603       |
| T 30      | 6    | 15/64 | 10-32 | 34    | 8202993       |
| T 30      | 7    | 9/32  | M 5   | 25    | 8037063       |
| T 30      | 7    | 9/32  | M 6   | 25    | 8210613       |
| T 40      | 7    | 9/32  | M 5   | 25    | 8219323       |

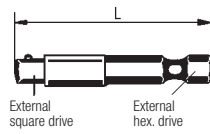
\*) special lengths upon request

### Special bits (not hardened)



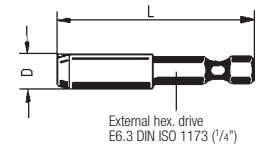
| d  |      | L   |                                  | Part no. |
|----|------|-----|----------------------------------|----------|
| mm | in.  | mm  | in.                              |          |
| 7  | .275 | 70  | 2 <sup>3</sup> / <sub>4</sub>    | 490221   |
| 7  | .275 | 102 | 4                                | 490222   |
| 7  | .275 | 127 | 5                                | 490223   |
| 7  | .275 | 152 | 6                                | 490224   |
| 7  | .275 | 200 | 7 <sup>7</sup> / <sub>8</sub>    | 490225   |
| 7  | .275 | 260 | 10 <sup>1</sup> / <sub>4</sub>   | 490279   |
| 7  | .275 | 300 | 11 <sup>13</sup> / <sub>16</sub> | 490281   |
| 8  | .315 | 300 | 11 <sup>13</sup> / <sub>16</sub> | 490319   |

### Adapters



| square drive | L   |                                 | Part no. |
|--------------|-----|---------------------------------|----------|
|              | mm  | in.                             |          |
| 1/4"         | 50  | 2                               | 804050   |
| 1/4"         | 76  | 3                               | 8036471  |
| 1/4"         | 100 | 3 <sup>15</sup> / <sub>16</sub> | 804051   |
| 1/4"         | 152 | 6                               | 8038081  |
| 1/4"         | 203 | 8                               | 8038091  |
| 1/4"         | 254 | 10                              | 8038101  |
| 1/4"         | 305 | 12                              | 8038111  |
| 1/4"         | 355 | 14                              | 8037981  |
| 1/4"         | 406 | 16                              | 8207661  |
| 3/8"         | 50  | 2                               | 8040521  |
| 3/8"         | 76  | 3                               | 8201451  |
| 3/8"         | 100 | 3 <sup>15</sup> / <sub>16</sub> | 803807   |
| 3/8"         | 152 | 6                               | 8203921  |
| 3/8"         | 254 | 10                              | 8038051  |
| 1/2"         | 50  | 2                               | 804053   |
| 1/2"         | 152 | 6                               | 8200351  |

### Chuck for stud screws



| D  |       | L  |                                | Part no. |
|----|-------|----|--------------------------------|----------|
| mm | in.   | mm | in.                            |          |
| 9  | 11/32 | 50 | 2                              | 390287   |
| 9  | 11/32 | 50 | 2                              | 390285   |
| 9  | 11/32 | 50 | 2                              | 390335   |
| 9  | 11/32 | 50 | 2                              | 390288   |
| 16 | 5/8   | 55 | 2 <sup>3</sup> / <sub>16</sub> | 390295   |
| 16 | 5/8   | 55 | 2 <sup>3</sup> / <sub>16</sub> | 390339   |
| 16 | 5/8   | 55 | 2 <sup>3</sup> / <sub>16</sub> | 390338   |

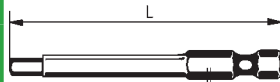
# FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVERS

## Bits

allen screws,  
threaded pins

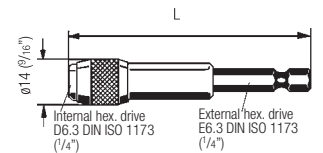
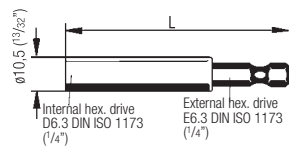
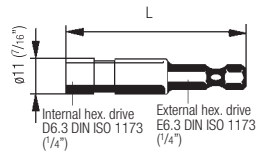


Torx screws



| AF<br>mm | AF<br>in. | Torx-<br>size | allen bit  |   | Torx bit   |   |   |                          |  |
|----------|-----------|---------------|--|---|--|---|---|--------------------------|--|
|          |           |               | L = 50 (1 <sup>5</sup> / <sub>16</sub> "")<br>Part no. | L = 70 (2 <sup>3</sup> / <sub>4</sub> "")<br>Part no. | L = 50 (1 <sup>5</sup> / <sub>16</sub> "")<br>Part no. | L = 70 (2 <sup>3</sup> / <sub>4</sub> "")<br>Part no. | L = 89 (3 <sup>1</sup> / <sub>2</sub> "")<br>Part no. | L = 152 (6")<br>Part no. |  |
| 1.5      | —         | T 6           | —  | —   | 821092   | 821516  | 8210551   | 823038                   |  |
| 2        | 5/64      | T 7           | 3248143  | 327153  | 8035351  | 8035481   | 8035601   | 8235201                  |  |
| —        | 3/32      | T 8           | 8036701  | 333277  | 803536   | 8038663   | 803561  | 803575                   |  |
| 2.5      | —         | T 9           | 804114   | 325565  | 8035371  | 8035491   | 8035621   | 8035761                  |  |
| —        | 7/64      | T 10          | 803671   | —   | 8038691  | 803550  | 8035631   | 803868                   |  |
| 3        | —         | T 15          | 804115   | 803975  | 8035381  | 812914  | 8035641   | 8035771                  |  |
| —        | 1/8       | T 20          | 803672   | —   | 8035391  | 812915  | 8035651   | 8035781                  |  |
| —        | 9/64      | T 25          | 803673   | —   | 8035401  | 812916  | 8035661   | 8035791                  |  |
| 4        | 5/32      | T 27          | 804116   | 803976  | 8035411  | 812917  | 8229951   | 8035801                  |  |
| —        | 3/16      | T 30          | 803675   | —   | 8035421  | 812918  | 8035681   | 8035811                  |  |
| 5        | —         | T 40          | 804117   | 803977  | 8035431  | 803556  | 8035691   | 8035821                  |  |
| —        | 7/32      | —             | 803676   | —   | —  | —   | —   | —                        |  |
| 6        | —         | —             | 804118   | 803978  | —  | —   | —   | —                        |  |
| —        | 1/4       | —             | 803677   | —   | —  | —   | —   | —                        |  |
| 8        | 5/16      | —             | 803678   | 8129283   | —  | —   | —   | —                        |  |

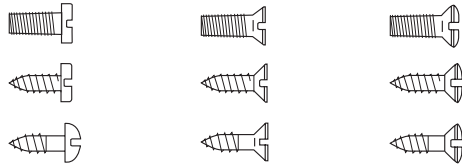
## Bits, bit holders (non-magnetic and magnetic)




| allen bit |          | Torx bit |                               | non-magnetic |     | magnetic                         |          | magnetic- and quick change chuck |                                 |          |
|-----------|----------|----------|-------------------------------|--------------|-----|----------------------------------|----------|----------------------------------|---------------------------------|----------|
| Part no.  | Part no. | mm       | L in.                         | Part no.     | mm  | L in.                            | Part no. | mm                               | L in.                           | Part no. |
| 820302    | 803520   |          |                               |              |     |                                  |          |                                  |                                 |          |
| 804668    | 803521   |          |                               |              |     |                                  |          |                                  |                                 |          |
| 803682    | 803522   |          |                               |              |     |                                  |          |                                  |                                 |          |
| 804669    | 803523   |          |                               |              |     |                                  |          |                                  |                                 |          |
| —         | 803524   |          |                               |              |     |                                  |          |                                  |                                 |          |
| 804670    | 803525   | 57       | 2 <sup>1</sup> / <sub>4</sub> | 804602       | 75  | 3                                | 821068   | 51.5                             | 2 <sup>1</sup> / <sub>32</sub>  | 821692   |
| 803684    | 803526   | 102      | 4                             | 8046391      | 100 | 3 <sup>15</sup> / <sub>16</sub>  | 337722   | 76.5                             | 3                               | 820150   |
| —         | 803527   | 152      | 6                             | 8046141      | 150 | 5 <sup>7</sup> / <sub>8</sub>    | 330744   | 151.5                            | 5 <sup>31</sup> / <sub>32</sub> | 358131   |
| 804671    | 803528   | 203      | 8                             | 8129441      | 204 | 8 <sup>1</sup> / <sub>16</sub>   | 335481   |                                  |                                 |          |
| 803687    | 803529   |          |                               |              | 250 | 9 <sup>7</sup> / <sub>8</sub>    | 334086   |                                  |                                 |          |
| 804672    | 803530   |          |                               |              | 300 | 11 <sup>13</sup> / <sub>16</sub> | 330745   |                                  |                                 |          |
| 803688    |          |          |                               |              |     |                                  |          |                                  |                                 |          |
| 804673    | —        |          |                               |              |     |                                  |          |                                  |                                 |          |
| 803689    |          |          |                               |              |     |                                  |          |                                  |                                 |          |
| 803690    |          |          |                               |              |     |                                  |          |                                  |                                 |          |


# FOR SENSOMAT, MINIMAT-T SCREWDRIVERS

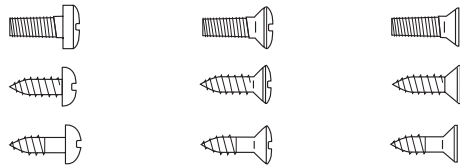
 slotted screws  
(only self tapping screws)






|  | head dia. |      |
|--|-----------|------|
|  | mm        | in.  |
|  | 3.8       | .150 |
|  | 4         | .157 |
|  | 4.3       | .170 |
|  | 4.5       | .177 |
|  | 4.7       | .185 |
|  | 5         | .196 |
|  | 5.6       | .220 |
|  | 6         | .236 |
|  | 6.5       | .255 |
|  | 6.9       | .271 |
|  | 7         | .275 |
|  | 7         | .275 |
|  | 7.5       | .295 |
|  | 8         | .315 |
|  | 8.2       | .323 |
|  | 8.3       | .326 |
|  | 8.5       | .334 |
|  | 9         | .354 |

 PHILLIPS screws  
(only drilling and self tapping screws)

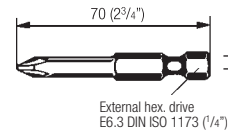
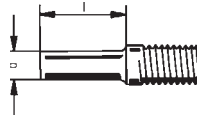
 POZIDRIV screws  
(only drilling and self tapping screws)



| point size | head dia. |      | d    |     |    |                               | sensor sleeves Part no. | bit               |                   | Part no.  |
|------------|-----------|------|------|-----|----|-------------------------------|-------------------------|-------------------|-------------------|---|
|            | mm        | in.  | mm   | in. | mm | in.                           |                         | PHILLIPS Part no. | POZIDRIV Part no. |   |
| 1          | 3.8       | .150 | 6    | .24 | 17 | <sup>11</sup> / <sub>16</sub> | 346070                  | 338894            | 339140            | <br>counter nut<br>339983 (f. SENSOMAT)<br>3399831 (f. MINIMAT-T)  |
| 1          | 4         | .157 | 6    | .24 | 17 | <sup>11</sup> / <sub>16</sub> | 346071                  |                   |                   |   |
| 1          | 4.3       | .170 | 6    | .24 | 17 | <sup>11</sup> / <sub>16</sub> | 346072                  | 804046            | 803988            | <br>finder<br>339982 (f. SENSOMAT)<br>368013 (f. MINIMAT-T)  |
| 1          | 4.7       | .185 | 6.5  | .26 | 17 | <sup>11</sup> / <sub>16</sub> | 346088                  |                   |                   |   |
| 1          | 5         | .196 | 7    | .28 | 17 | <sup>11</sup> / <sub>16</sub> | 346089                  | 804047            | 803989            | <br>spring sleeve 401613 A<br>(screwdriver size 1)<br>spring sleeve 401613 B<br>(screwdriver size 2)<br>(only for screw suction) |
| 1          | 5.6       | .220 | 7.5  | .30 | 17 | <sup>11</sup> / <sub>16</sub> | 346090                  |                   |                   |   |
| 1          | 6         | .236 | 8    | .31 | 17 | <sup>11</sup> / <sub>16</sub> | 346091                  |                   |                   |   |
| 2          | 6.5       | .255 | 8.5  | .33 | 17 | <sup>11</sup> / <sub>16</sub> | 346092                  |                   |                   |   |
| 2          | 6.9       | .271 | 9    | .35 | 17 | <sup>11</sup> / <sub>16</sub> | 346093                  |                   |                   |   |
| 2          | 7         | .275 | 9    | .35 | 17 | <sup>11</sup> / <sub>16</sub> | 346094                  |                   |                   |   |
| 2          | 7.5       | .295 | 9    | .35 | 17 | <sup>11</sup> / <sub>16</sub> | 346095                  |                   |                   |   |
| 2          | 8         | .315 | 10   | .39 | 20 | <sup>13</sup> / <sub>16</sub> | 346096                  |                   |                   |   |
| 2          | 8.2       | .323 | 10   | .39 | 20 | <sup>13</sup> / <sub>16</sub> | 346084                  |                   |                   |   |
| 2          | 8.3       | .326 | 10   | .39 | 20 | <sup>13</sup> / <sub>16</sub> | 346097                  |                   |                   |   |
| 2          | 9         | .354 | 11   | .43 | 12 | <sup>15</sup> / <sub>32</sub> | 346098                  |                   |                   |   |
| 2          | 9.2       | .362 | 11   | .43 | 12 | <sup>15</sup> / <sub>32</sub> | 346099                  |                   |                   |   |
| 2          | 9.5       | .374 | 11.5 | .45 | 12 | <sup>15</sup> / <sub>32</sub> | 346100                  |                   |                   |   |

## Sensor sleeves, bits

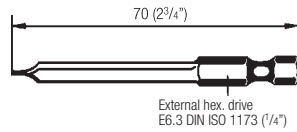
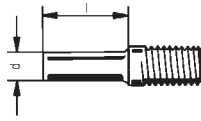
counter nut for above with finders (and spring sleeve),  
without and with screw suction\*)



\*) Screw suction for drilling and self tapping screws not recommendable

## Sensor sleeves, bits

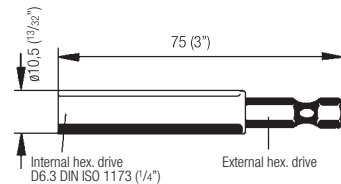
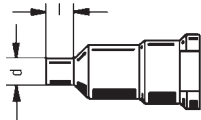
counter nut for above with finders, without screw suction



| d   |     | l  |       | sensor sleeves<br>Part no. | blade     |             | bit<br>Part no. | counter nut<br>Part no.    | finder<br>Part no.       |
|-----|-----|----|-------|----------------------------|-----------|-------------|-----------------|----------------------------|--------------------------|
| mm  | in. | mm | in.   |                            | mm        | in.         |                 |                            |                          |
| 6   | .24 | 17 | 11/16 | 346070                     | 0.5 x 3   | .020 x .122 | 804021          | 339983<br>(f. SENSOMAT)    | 339982<br>(f. SENSOMAT)  |
| 6   | .24 | 17 | 11/16 | 346071                     | 0.5 x 3   | .020 x .122 |                 |                            |                          |
| 6   | .24 | 17 | 11/16 | 346072                     | 0.5 x 3   | .020 x .122 |                 |                            |                          |
| 6.5 | .26 | 17 | 11/16 | 346073                     | 0.5 x 3   | .020 x .122 |                 |                            |                          |
| 6.5 | .26 | 17 | 11/16 | 346074                     | 0.5 x 3   | .020 x .122 |                 |                            |                          |
| 7   | .28 | 17 | 11/16 | 346075                     | 0.5 x 3   | .020 x .122 |                 |                            |                          |
| 7.5 | .30 | 17 | 11/16 | 346076                     | 0.8 x 4   | .032 x .154 |                 |                            |                          |
| 8   | .31 | 17 | 11/16 | 346077                     | 0.8 x 4   | .032 x .154 |                 |                            |                          |
| 8.5 | .33 | 17 | 11/16 | 346078                     | 0.8 x 4   | .032 x .154 |                 |                            |                          |
| 9   | .35 | 17 | 11/16 | 346079                     | 1.0 x 5.5 | .038 x .215 |                 |                            |                          |
| 9   | .35 | 17 | 11/16 | 346080                     | 0.8 x 4.0 | .032 x .154 | 803595          | 339983/1<br>(f. MINIMAT-T) | 368013<br>(f. MINIMAT-T) |
| 9   | .35 | 17 | 11/16 | 346081                     | 1.0 x 5.5 | .038 x .215 |                 |                            |                          |
| 9   | .35 | 17 | 11/16 | 346082                     | 1.0 x 5.5 | .038 x .215 | 803596          |                            |                          |
| 10  | .39 | 20 | 13/16 | 346083                     | 1.0 x 5.5 | .038 x .215 |                 |                            |                          |
| 10  | .39 | 20 | 13/16 | 346084                     | 1.2 x 6.5 | .046 x .255 | 803873          |                            |                          |
| 10  | .39 | 20 | 13/16 | 346085                     | 1.0 x 5.5 | .038 x .215 | 803596          |                            |                          |
| 10  | .39 | 20 | 13/16 | 346086                     | 1.2 x 6.5 | .046 x .255 | 803873          |                            |                          |
| 11  | .43 | 12 | 15/32 | 346087                     | 1.0 x 5.5 | .038 x .215 | 803596          |                            |                          |

## Sensor sleeves, bits, bit holder (magnetic)

counter nut for above with finders, without screw suction



| d    |     | l  |     | sensor sleeves<br>Part no. | bit                  |                      | bit holder (magnetic)<br>Part no. | counter nut<br>Part no. | finder<br>Part no.      |
|------|-----|----|-----|----------------------------|----------------------|----------------------|-----------------------------------|-------------------------|-------------------------|
| mm   | in. | mm | in. |                            | PHILLIPS<br>Part no. | POZIDRIV<br>Part no. |                                   |                         |                         |
| 7    | .28 | 7  | .28 | 344123                     | 804636               | 804665               | 821068                            | 343982<br>(f. SENSOMAT) | 343981<br>(f. SENSOMAT) |
| 7    | .28 | 7  | .28 |                            |                      |                      |                                   |                         |                         |
| 7    | .28 | 7  | .28 |                            |                      |                      |                                   |                         |                         |
| 7    | .28 | 7  | .28 |                            |                      |                      |                                   |                         |                         |
| 7    | .28 | 7  | .28 | 344124                     |                      |                      |                                   |                         |                         |
| 8    | .31 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 8    | .31 | 8  | .31 | 343983                     |                      |                      |                                   |                         |                         |
| 10   | .39 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 10   | .39 | 8  | .31 | 344125                     | 804637               | 804666               |                                   |                         |                         |
| 10   | .39 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 11.5 | .45 | 8  | .31 | 344126                     |                      |                      |                                   |                         |                         |
| 11.5 | .45 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 11.5 | .45 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 11.5 | .45 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 12.5 | .49 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 12.5 | .49 | 8  | .31 |                            |                      |                      |                                   |                         |                         |
| 12.5 | .49 | 8  | .31 |                            |                      |                      |                                   |                         |                         |

# FOR RATCHET WRENCH

| hex. screws<br>hex. nuts |           | Sockets with hexagon |             |                            |                            |             | Open Head           |      |          |
|--------------------------|-----------|----------------------|-------------|----------------------------|----------------------------|-------------|---------------------|------|----------|
|                          |           | 39-521-19 K          | 39-331-19 K | Closed Head<br>39-331-21 K | 39-331-32 K<br>39-331-32 L | 39-331-46 K | 39-331-43 O         |      |          |
| AF<br>mm                 | AF<br>in. | Part no.             | Part no.    | Part no.                   | Part no.                   | Part no.    | Socket opening<br>Ø |      | Part no. |
| 5                        | —         | 4014678              | —           | —                          | —                          | —           | —                   | —    | —        |
| 5.5                      | 7/32      | 4014677              | —           | —                          | —                          | —           | —                   | —    | —        |
| 7                        | —         | 4014675              | 804136      | 804185                     | —                          | —           | —                   | —    | —        |
| 8                        | 5/16      | 4014674              | 804137      | 804186                     | —                          | —           | 5.5                 | 7/32 | 804171   |
| 10                       | —         | 4014672              | 804138      | 804187                     | 804139                     | —           | 8.5                 | —    | 804173   |
| 11                       | —         | —                    | —           | 804188                     | 804140                     | —           | 9.5                 | —    | 804174   |
| 12                       | —         | —                    | —           | —                          | 804141                     | —           | 9.5                 | —    | 804175   |
| 13                       | —         | —                    | —           | —                          | 804142                     | 804154      | 11                  | —    | 804176   |
| 14                       | —         | —                    | —           | —                          | 804143                     | 804155      | 11                  | —    | 804177   |
| 15                       | —         | —                    | —           | —                          | 804144                     | —           | 11                  | —    | 804178   |
| 16                       | 5/8       | —                    | —           | —                          | 821541                     | —           | 12                  | —    | 821993   |
| 17                       | —         | —                    | —           | —                          | 804145                     | 804157      | 12                  | —    | 804179   |
| 18                       | —         | —                    | —           | —                          | 821542                     | —           | —                   | —    | —        |
| 19                       | 3/4       | —                    | —           | —                          | 804146                     | 804158      | —                   | —    | —        |
| 22                       | —         | —                    | —           | —                          | —                          | 804159      | —                   | —    | —        |
| 24                       | —         | —                    | —           | —                          | —                          | 402717      | —                   | —    | —        |
| 27                       | 1 1/16    | —                    | —           | —                          | —                          | 804161      | —                   | —    | —        |
| 1/2"                     | —         | —                    | —           | —                          | 804147                     | 804165      | —                   | —    | —        |
| 5/8"                     | —         | —                    | —           | —                          | 804148                     | —           | 12                  | —    | 804183   |

In-between sizes with hexagon and sockets with square on request

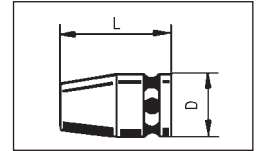
| hex. screws<br>hex. nuts |           | Sockets, Holder |         |    |         |          |          | Closed Head                              |  |
|--------------------------|-----------|-----------------|---------|----|---------|----------|----------|--|--|
|                          |           | D               |         | L  |         | Socket   |          | 39-331-32 K   39-331-46 K<br>39-331-32 L |  |
| AF<br>mm                 | AF<br>in. | mm              | in.     | mm | in.     | Part no. | Part no. | Holder (for socket AF 14)<br>Part no.    |  |
| 10                       | —         | 25              | 1       | 40 | 1 9/16  | 804392   | —        | 804245                                   |  |
| 13                       | —         | 25              | 1       | 40 | 1 9/16  | 804393   | 804393   |  |  |
| 16                       | 5/8       | 30              | 1 3/16  | 38 | 1 1/2   | 820293   | 820293   |  |  |
| 17                       | —         | 30              | 1 3/16  | 40 | 1 9/16  | 804394   | 804394   |  |  |
| 18                       | —         | 30              | 1 3/16  | 38 | 1 1/2   | 820294   | 820294   |  |  |
| 19                       | 3/4       | 30              | 1 3/16  | 40 | 1 9/16  | 804395   | 804395   |  |  |
| 21                       | —         | 30              | 1 3/16  | 38 | 1 1/2   | —        | 820526   |  |  |
| 22                       | —         | 32.5            | 1 9/32  | 40 | 1 9/16  | —        | 804396   |  |  |
| 24                       | —         | 35              | 1 3/8   | 45 | 1 49/64 | —        | 804397   |  |  |
| 27                       | 1 1/16    | 38.5            | 1 33/64 | 50 | 1 31/32 | —        | 804398   |  |  |

# FOR MINIMAT, RECYCLING-, SLIP CLUTCH-, PULSE TOOLS, ELECTRIC SCREWDRIVER

| hex. screws<br>hex. nuts |           | Sockets with shaft 1/4" hex. drive |       |              |          |          |       |          |
|--------------------------|-----------|------------------------------------|-------|--------------|----------|----------|-------|----------|
|                          |           | D                                  |       | non-magnetic |          | magnetic |       | D        |
| AF<br>mm                 | AF<br>in. | mm                                 | in.   | Part no.     | Part no. | mm       | in.   | Part no. |
| 5                        | —         | 10                                 | 25/64 | 804126       | 804135   | 8.5      | 11/32 | 325363   |
| 5.5                      | 7/32      | 10                                 | 25/64 | 804120       | 804130   | 9.5      | 3/8   | 325153   |
| 6                        | —         | 10                                 | 25/64 | 804125       | 804128   | 9.5      | 3/8   | 325421   |
| 7                        | —         | 12                                 | 15/32 | 804121       | 804131   | 10       | 25/64 | 324914   |
| 8                        | 5/16      | 13                                 | 1/2   | 804122       | 804132   | 11.5     | 29/32 | 325052   |
| 9                        | —         | 14                                 | 9/16  | 804113       | 804152   | 13       | 1/2   | 335024   |
| 10                       | —         | 16                                 | 5/8   | 804123       | 804133   | 13       | 1/2   | 325053   |
| 11                       | —         | 15.5                               | 39/64 | 804127       | 804129   | —        | —     | —        |
| 12                       | —         | 16.5                               | 21/32 | 803791       | 804111   | —        | —     | —        |
| 13                       | —         | 19                                 | 3/4   | 804124       | 804134   | —        | —     | —        |



# FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVER, IMPACT WRENCHES, EC-SERVO SCREWDRIVER



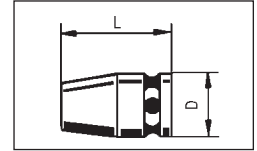
## Sockets with female square drive

| hex. screws<br>hex. nuts |           | short execution, non-magnetic and magnetic  |        |      |       |                              |                      |  |        |    |         |                              |                      |  |         |    |         |                              |                      |
|--------------------------|-----------|---|--------|------|-------|------------------------------|----------------------|--|--------|----|---------|------------------------------|----------------------|--|---------|----|---------|------------------------------|----------------------|
|                          |           | Internal square drive G 6.3 DIN 3121 (1/4") |        |      |       |                              |                      | Internal square drive G 10 DIN 3121 (3/8") |        |    |         |                              |                      | Internal square drive G 12.5 DIN 3121 (1/2") |         |    |         |                              |                      |
| AF<br>mm                 | AF<br>in. | D   |        | L    |       | non-<br>magnetic<br>Part no. | magnetic<br>Part no. | D  |        | L  |         | non-<br>magnetic<br>Part no. | magnetic<br>Part no. | D  |         | L  |         | non-<br>magnetic<br>Part no. | magnetic<br>Part no. |
|                          |           | mm  | in.    | mm   | in.   |                              |                      | mm   | in.    | mm | in.     |                              |                      | mm   | in.     | mm | in.     |                              |                      |
| 5                        | —         | 13  | 1/2    | 25   | 1     | 804056                       | 804086               | —  | —      | —  | —       | —                            | —                    | —  | —       | —  | —       | —                            | —                    |
| 5.5                      | 7/32      | 13  | 1/2    | 23   | 29/32 | 804057                       | 804087               | —  | —      | —  | —       | —                            | —                    | —  | —       | —  | —       | —                            | —                    |
| 6                        | —         | 13  | 1/2    | 23   | 29/32 | 804058                       | 804088               | —  | —      | —  | —       | —                            | —                    | —  | —       | —  | —       | —                            | —                    |
| 7                        | —         | 13  | 1/2    | 23   | 29/32 | 804059                       | 804089               | 19   | 3/4    | 34 | 1 11/32 | 804370                       | 820851               | —  | —       | —  | —       | —                            | —                    |
| 8                        | 5/16      | 13  | 1/2    | 23   | 29/32 | 804060                       | 804090               | 19   | 3/4    | 34 | 1 11/32 | 804371                       | 820852               | 25   | 1       | 40 | 1 9/16  | 804391                       | 820861               |
| 9                        | —         | 13.5  | 17/32  | 23   | 29/32 | 804061                       | 804091               | 19   | 3/4    | 34 | 1 11/32 | 820853                       | 820854               | 25   | 1       | 40 | 1 9/16  | 820862                       | 820863               |
| 10                       | —         | 15  | 19/32  | 23   | 29/32 | 804062                       | —                    | 19   | 3/4    | 34 | 1 11/32 | 804372                       | 803768               | 25   | 1       | 40 | 1 9/16  | 804392                       | 820864               |
| 10                       | —         | 15.9  | 5/8    | 25.4 | 1     | —                            | 8040921              | —  | —      | —  | —       | —                            | —                    | —  | —       | —  | —       | —                            | —                    |
| 11                       | —         | 16  | 5/8    | 23   | 29/32 | 804063                       | 804093               | 19   | 3/4    | 34 | 1 11/32 | 820855                       | 820856               | 25   | 1       | 40 | 1 9/16  | 803766                       | 820865               |
| 12                       | —         | 17.5  | 1 1/16 | 23   | 29/32 | 804064                       | 804094               | 19   | 3/4    | 34 | 1 11/32 | 820295                       | 820857               | 25   | 1       | 40 | 1 9/16  | 820175                       | 820866               |
| 13                       | —         | 19  | 3/4    | 23   | 29/32 | 804065                       | 804095               | 22   | 7/8    | 34 | 1 11/32 | 804373                       | 820858               | 25   | 1       | 40 | 1 9/16  | 804393                       | 820244               |
| 16                       | 5/8       | —   | —      | —    | —     | —                            | —                    | 24.5                                       | 31/32  | 34 | 1 11/32 | 820292                       | 820859               | 25   | 1       | 40 | 1 9/16  | 820293                       | 820867               |
| 17                       | —         | —   | —      | —    | —     | —                            | —                    | 25.5                                       | 1      | 34 | 1 11/32 | 804374                       | 812942               | 30   | 1 9/16  | 40 | 1 9/16  | 804394                       | 812923               |
| 18                       | —         | —   | —      | —    | —     | —                            | —                    | 26.5                                       | 1 3/64 | 34 | 1 11/32 | 820311                       | 820860               | 30   | 1 9/16  | 40 | 1 9/16  | 820294                       | 820541               |
| 19                       | 3/4       | —   | —      | —    | —     | —                            | —                    | 28   | 1 3/32 | 34 | 1 11/32 | 804375                       | 820711               | 30   | 1 9/16  | 40 | 1 9/16  | 804395                       | 812925               |
| 21                       | —         | —   | —      | —    | —     | —                            | —                    | —  | —      | —  | —       | —                            | —                    | 32   | 1 1/4   | 40 | 1 9/16  | 820526                       | 820868               |
| 22                       | —         | —   | —      | —    | —     | —                            | —                    | —  | —      | —  | —       | —                            | —                    | 33   | 1 9/16  | 40 | 1 9/16  | 804396                       | 820869               |
| 24                       | —         | —   | —      | —    | —     | —                            | —                    | —  | —      | —  | —       | —                            | —                    | 35.5   | 1 13/32 | 45 | 1 25/32 | 804397                       | 820870               |
| 27                       | 1 1/16    | —   | —      | —    | —     | —                            | —                    | —  | —      | —  | —       | —                            | —                    | 40   | 1 9/16  | 50 | 1 31/32 | 804398                       | 820871               |

| hex. screws<br>hex. nuts |           | short execution, non-magnetic              |         |    |         |          |  |         |    |         |          |  |         |    |         |          |  |         |     |         |          |  |         |     |         |          |
|--------------------------|-----------|--|---------|----|---------|----------|--|---------|----|---------|----------|--|---------|----|---------|----------|--|---------|-----|---------|----------|--|---------|-----|---------|----------|
|                          |           | Internal square drive G 16 DIN 3121 (5/8") |         |    |         |          | Internal square drive H 20 DIN 3121 (3/4") |         |    |         |          | Internal square drive H 25 DIN 3121 (1") |         |    |         |          | Internal square drive H 40 DIN 3121 (1 1/2") |         |     |         |          | Internal square drive H 63 DIN 3121 (2 1/2") |         |     |         |          |
| AF<br>mm                 | AF<br>in. | D  |         | L  |         | Part no. | D  |         | L  |         | Part no. | D  |         | L  |         | Part no. | D  |         | L   |         | Part no. | D  |         | L   |         | Part no. |
|                          |           | mm   | in.     | mm | in.     |          | mm   | in.     | mm | in.     |          | mm                                       | in.     | mm | in.     |          | mm   | in.     | mm  | in.     |          | mm   | in.     | mm  | in.     |          |
| 13                       | —         | 35   | 1 3/8   | 48 | 1 57/64 | 803885   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 16                       | 5/8       | 35   | 1 3/8   | 48 | 1 57/64 | 820527   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 17                       | —         | 35   | 1 3/8   | 48 | 1 57/64 | 803886   | 44   | 1 47/64 | 50 | 1 31/32 | 804410   | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 18                       | —         | 35   | 1 3/8   | 48 | 1 57/64 | 820528   | 44   | 1 47/64 | 50 | 1 31/32 | 820530   | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 19                       | 3/4       | 35   | 1 3/8   | 48 | 1 57/64 | 803887   | 44   | 1 47/64 | 50 | 1 31/32 | 804411   | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 21                       | —         | 35   | 1 3/8   | 48 | 1 57/64 | 820529   | 44   | 1 47/64 | 50 | 1 31/32 | 820531   | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 22                       | —         | 35   | 1 3/8   | 48 | 1 57/64 | 803888   | 44   | 1 47/64 | 50 | 1 31/32 | 804412   | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 24                       | —         | 37   | 1 29/64 | 50 | 1 31/32 | 803889   | 44   | 1 47/64 | 50 | 1 31/32 | 804413   | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 27                       | 1 1/16    | 40.5                                       | 1 19/32 | 50 | 1 31/32 | 803890   | 44   | 1 47/64 | 50 | 1 31/32 | 804414   | 54                                       | 2 1/8   | 60 | 2 23/64 | 804430   | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 30                       | —         | —  | —       | —  | —       | —        | 46   | 1 13/16 | 54 | 2 1/8   | 804415   | 54                                       | 2 1/8   | 63 | 2 31/64 | 804431   | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 32                       | 1 1/4     | —  | —       | —  | —       | —        | 49   | 1 15/16 | 53 | 2 3/32  | 804416   | 54                                       | 2 1/8   | 62 | 2 7/16  | 804432   | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 34                       | —         | —  | —       | —  | —       | —        | 51   | 2 1/64  | 55 | 2 11/64 | 820532   | 54                                       | 2 1/8   | 62 | 2 7/16  | 820533   | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 36                       | —         | —  | —       | —  | —       | —        | 54   | 2 1/8   | 58 | 2 9/32  | 804417   | 57                                       | 2 1/4   | 62 | 2 7/16  | 804433   | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 41                       | —         | —  | —       | —  | —       | —        | 60   | 2 23/64 | 58 | 2 9/32  | 804418   | 63                                       | 2 31/64 | 66 | 2 19/32 | 804434   | —  | —       | —   | —       | —        | —  | —       | —   | —       | —        |
| 46                       | 1 13/16   | —  | —       | —  | —       | —        | 66   | 2 39/64 | 58 | 2 9/32  | 804419   | 69.5                                     | 2 47/64 | 70 | 2 3/4   | 804435   | 86   | 3 25/64 | 84  | 3 5/16  | 804450   | —  | —       | —   | —       | —        |
| 50                       | 1 31/32   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 74.5                                     | 2 15/16 | 70 | 2 9/4   | 804436   | 86   | 3 25/64 | 84  | 3 5/16  | 804451   | —  | —       | —   | —       | —        |
| 55                       | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 81                                       | 3 3/16  | 85 | 3 11/32 | 804437   | 87   | 3 27/64 | 90  | 3 35/64 | 804452   | —  | —       | —   | —       | —        |
| 60                       | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 87.5                                     | 3 7/16  | 85 | 3 11/32 | 804438   | 93   | 3 21/32 | 90  | 3 35/64 | 804453   | —  | —       | —   | —       | —        |
| 65                       | 2 9/16    | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 99   | 3 57/64 | 95  | 3 47/64 | 804454   | —  | —       | —   | —       | —        |
| 70                       | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 106  | 4 11/64 | 100 | 3 15/16 | 804455   | —  | —       | —   | —       | —        |
| 75                       | 2 61/64   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 112  | 4 13/32 | 105 | 4 3/64  | 804456   | —  | —       | —   | —       | —        |
| 80                       | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 118  | 4 41/64 | 110 | 4 21/64 | 804457   | —  | —       | —   | —       | —        |
| 85                       | 3 11/32   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 125  | 4 59/64 | 110 | 4 21/64 | 804458   | —  | —       | —   | —       | —        |
| 90                       | 3 35/64   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 131  | 5 9/32  | 115 | 4 17/32 | 804459   | —  | —       | —   | —       | —        |
| 95                       | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 137  | 5 25/64 | 120 | 4 23/32 | 804460   | —  | —       | —   | —       | —        |
| 100                      | 3 15/16   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 143  | 5 5/8   | 125 | 4 59/64 | 804461   | 150  | 5 29/32 | 140 | 5 33/64 | 804480   |
| 105                      | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 150  | 5 29/32 | 130 | 5 1/8   | 804462   | 156  | 6 9/64  | 147 | 5 25/32 | 804481   |
| 110                      | 4 21/64   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 156  | 6 9/64  | 135 | 5 5/16  | 804463   | 162  | 6 3/8   | 147 | 5 25/32 | 804482   |
| 115                      | 4 17/32   | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | 160  | 6 19/64 | 128 | 5 3/64  | 825633   | 169  | 6 21/32 | 150 | 5 29/32 | 804483   |
| 120                      | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | 175  | 6 57/64 | 152 | 5 63/64 | 804484   |
| 130                      | 5 1/8     | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | 188  | 7 13/32 | 160 | 6 19/64 | 804485   |
| 145                      | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | 207  | 8 5/32  | 170 | 6 11/16 | 804486   |
| 155                      | —         | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —  | —       | —        | —  | —       | —   | —       | —        | 218  | 8 37/64 | 177 | 6 31/32 | 804487   |

Please order locking pin and rubber ring extra

# FOR MINIMAT, RECYCLING, SLIP CLUTCH, PULSE TOOLS, ELECTRIC SCREWDRIVER, IMPACT WRENCHES, EC-SERVO SCREWDRIVER

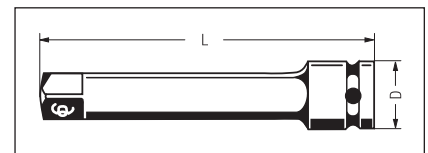


## Socket with internal square drive DIN 3121

| hex. screws<br>hex. nuts |        | long execution, non-magnetic                |       |    |       |  |      |        |     |  |        |         |                  |                  |
|--------------------------|--------|---|-------|----|-------|--|------|--------|-----|--|--------|---------|------------------|------------------|
| AF                       |        | Internal square drive G 6.3 DIN 3121 (1/4") |       |    |       | Internal square drive G 10 DIN 3121 (3/8") |      |        |     | Internal square drive G 12.5 DIN 3121 (1/2") |        |         |                  |                  |
| mm                       | in.    | D   |       | L  |       | D  |      | L      |     | D  |        | L       |                  | Part no.         |
| mm                       | in.    | mm  | in.   | mm | in.   | mm   | in.  | mm     | in. | mm   | in.    | mm      | in.              | Part no.         |
| 7                        | —      | 13  | 1/2   | 45 | 1 3/4 | 8037671                                    | —    | —      | —   | —  | 820872 | —       | —                | —                |
| 8                        | 5/16   | 13  | 1/2   | 45 | 1 3/4 | 8037591                                    | 19   | 3/4    | 51  | 2  | 820873 | 25      | 1                | 85 311/32 804400 |
| 9                        | —      | 14.5  | 9/16  | 45 | 1 3/4 | 8204461                                    | 19   | 3/4    | 51  | 2  | 820874 | —       | —                | —                |
| 10                       | —      | 16  | 5/8   | 45 | 1 3/4 | 8037601                                    | 19   | 3/4    | 51  | 2  | 820875 | 25      | 1                | 85 311/32 804401 |
| 11                       | —      | 16  | 5/8   | 45 | 1 3/4 | 8207851                                    | 19   | 3/4    | 51  | 2  | 820876 | —       | —                | —                |
| 12                       | —      | 17.5  | 11/16 | 45 | 1 3/4 | 8201011                                    | 19   | 3/4    | 51  | 2  | 820877 | —       | —                | —                |
| 13                       | —      | 19  | 3/4   | 45 | 1 3/4 | 8129311                                    | 22   | 7/8    | 51  | 2  | 820878 | 25      | 1                | 85 311/32 804402 |
| 16                       | 5/8    | —   | —     | —  | —     | —  | 24.5 | 31/32  | 51  | 2  | 820879 | 30      | 1 3/16           | 80 3 5/32 820534 |
| 17                       | —      | —   | —     | —  | —     | —  | 25.5 | 1      | 51  | 2  | 820880 | 30      | 1 3/16           | 85 311/32 804403 |
| 18                       | —      | —   | —     | —  | —     | —  | 26.5 | 1 9/64 | 51  | 2  | 820881 | 30      | 1 3/16           | 80 3 5/32 820535 |
| 19                       | 3/4    | —   | —     | —  | —     | —  | 28   | 1 3/32 | 51  | 2  | —      | 30      | 1 3/16           | 80 3 5/32 804404 |
| 21                       | —      | —   | —     | —  | —     | —  | —    | —      | —   | —  | 30     | 1 3/16  | 80 3 5/32 820536 |                  |
| 22                       | —      | —   | —     | —  | —     | —  | —    | —      | —   | —  | 32.5   | 1 9/32  | 85 311/32 804405 |                  |
| 24                       | —      | —   | —     | —  | —     | —  | —    | —      | —   | —  | 35     | 1 3/8   | 85 311/32 804406 |                  |
| 27                       | 1 1/16 | —   | —     | —  | —     | —  | —    | —      | —   | —  | 38.5   | 1 33/64 | 85 311/32 804407 |                  |

| hex. screws<br>hex. nuts |         | long execution, non-magnetic               |         |    |         |  |     |         |     |  |        |      |         |  |         |        |                            |                            |
|--------------------------|---------|--|---------|----|---------|--|-----|---------|-----|--|--------|------|---------|--|---------|--------|----------------------------|----------------------------|
| AF                       |         | Internal square drive G 16 DIN 3121 (5/8") |         |    |         | Internal square drive H 20 DIN 3121 (1") |     |         |     | Internal square drive H 25 DIN 3121 (1 1/2") |        |      |         | Internal square drive H 40 DIN 3121 (1 1/2") |         |        |                            |                            |
| mm                       | in.     | D  |         | L  |         | D  |     | L       |     | D  |        | L    |         | D  |         | L      |                            | Part no.                   |
| mm                       | in.     | mm   | in.     | mm | in.     | mm                                       | in. | mm      | in. | mm   | in.    | mm   | in.     | mm   | in.     | mm     | in.                        | Part no.                   |
| 17                       | —       | 35   | 1 3/8   | 90 | 3 5/8   | 803891                                   | 44  | 1 47/64 | 100 | 3 15/16                                      | 804420 | —    | —       | —  | —       | —      | —                          | —                          |
| 18                       | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | —      | —                          | —                          |
| 19                       | 3/4     | 35   | 1 3/8   | 90 | 3 5/8   | 803892                                   | 44  | 1 47/64 | 100 | 3 15/16                                      | 804421 | —    | —       | —  | —       | —      | —                          | —                          |
| 21                       | —       | —  | —       | —  | —       | —  | 44  | 1 47/64 | 100 | 3 15/16                                      | 820537 | —    | —       | —  | —       | —      | —                          | —                          |
| 22                       | —       | 35   | 1 3/8   | 90 | 3 5/8   | 803893                                   | 44  | 1 47/64 | 100 | 3 15/16                                      | 804422 | —    | —       | —  | —       | —      | —                          | —                          |
| 24                       | —       | 37   | 1 29/64 | 90 | 3 35/64 | 803894                                   | 44  | 1 47/64 | 100 | 3 15/16                                      | 804423 | 54   | 2 1/8   | 110  | 4 21/64 | 820067 | —                          | —                          |
| 27                       | 1 1/16  | 40.5                                       | 1 19/32 | 90 | 3 35/64 | 803895                                   | 44  | 1 47/64 | 100 | 3 15/16                                      | 804424 | 54   | 2 1/8   | 110  | 4 21/64 | 804440 | —                          | —                          |
| 30                       | —       | —  | —       | —  | —       | —  | 46  | 1 13/16 | 100 | 3 15/16                                      | 804425 | 54   | 2 1/8   | 110  | 4 21/64 | 804441 | —                          | —                          |
| 32                       | 1 1/4   | —  | —       | —  | —       | —  | 49  | 1 15/16 | 100 | 3 15/16                                      | 804426 | 54   | 2 1/8   | 110  | 4 21/64 | 804442 | —                          | —                          |
| 34                       | —       | —  | —       | —  | —       | —  | 51  | 2 1/64  | 100 | 3 15/16                                      | 820538 | 54   | 2 1/8   | 108  | 4 1/4   | 820539 | —                          | —                          |
| 36                       | —       | —  | —       | —  | —       | —  | 54  | 2 1/8   | 100 | 3 15/16                                      | 804427 | 57   | 2 1/4   | 108  | 4 1/4   | 804443 | —                          | —                          |
| 41                       | —       | —  | —       | —  | —       | —  | 60  | 2 23/64 | 100 | 3 15/16                                      | 804428 | 63   | 2 31/64 | 108  | 4 1/4   | 804444 | —                          | —                          |
| 46                       | 1 13/16 | —  | —       | —  | —       | —  | 67  | 2 41/64 | 100 | 3 15/16                                      | 804429 | 69.5 | 2 47/64 | 110  | 4 21/64 | 804445 | 86                         | 3 25/64 130 5 1/8 804465   |
| 50                       | 1 31/32 | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | 74.5 | 2 15/16 | 115  | 4 17/32 | 804446 | 86                         | 3 25/64 140 5 33/64 804466 |
| 55                       | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | 81   | 3 3/16  | 115  | 4 17/32 | 804447 | 87                         | 3 27/64 140 5 33/64 804467 |
| 60                       | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | 87.5 | 3 7/16  | 115  | 4 17/32 | 804448 | 93                         | 3 27/64 140 5 33/64 804468 |
| 65                       | 2 9/16  | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 99     | 3 57/64 150 5 29/32 804469 |                            |
| 70                       | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 106    | 4 11/64 150 5 29/32 804470 |                            |
| 75                       | 2 61/64 | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 112    | 4 13/32 160 6 19/64 804471 |                            |
| 80                       | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 118    | 4 41/64 170 6 11/16 804472 |                            |
| 85                       | 3 11/32 | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 125    | 4 59/64 170 6 11/16 804473 |                            |
| 90                       | 3 35/64 | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 131    | 5 5/32 180 7 3/32 804474   |                            |
| 95                       | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 137    | 5 25/64 180 7 3/32 804475  |                            |
| 100                      | 3 15/16 | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 143    | 5 5/8 190 7 31/64 804476   |                            |
| 105                      | —       | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 150    | 5 29/32 200 7 7/8 804477   |                            |
| 110                      | 4 21/64 | —  | —       | —  | —       | —  | —   | —       | —   | —  | —      | —    | —       | —  | —       | 156    | 6 9/64 200 7 7/8 804478    |                            |

Please order locking pin and rubber ring extra



## Extensions with internal square drive DIN 3121

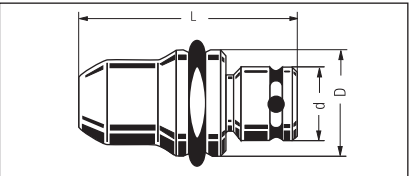
| Internal-□<br>External-□ | G 10 DIN 3121 (3/8")<br>E 10 DIN 3121 (3/8") |     |          |        | G 12.5 DIN 3121 (1/2")<br>E 12.5 DIN 3121 (1/2") |       |     |         | H 20 DIN 3121 (3/4")<br>F 20 DIN 3121 (3/4") |    |         |     | H 25 DIN 3121 (1")<br>F 25 DIN 3121 (1") |        |       |       | H 40 DIN 3121 (1 1/2")<br>F 40 DIN 3121 (1 1/2") |         |        |                            |                             |
|--------------------------|--|-----|----------|--------|--|-------|-----|---------|--|----|---------|-----|--|--------|-------|-------|--|---------|--------|----------------------------|-----------------------------|
|                          | D  |     | L        |        | D  |       | L   |         | D  |    | L       |     | D  |        | L     |       | D  |         | L      |                            | Part no.                    |
| mm                       | in.  | mm  | in.      | mm     | in.  | mm    | in. | mm      | in.  | mm | in.     | mm  | in.                                      | mm     | in.   | mm    | in.  | mm      | in.    | Part no.                   |                             |
| 19                       | 3/4  | 75  | 2 91/64  | 804490 | 25   | 63/64 | 75  | 2 61/64 | 804493                                       | —  | —       | —   | —  | 54     | 2 1/8 | 100   | 3 15/16  | 804500  | 86     | 3 25/64 250 9 27/32 804505 |                             |
| 19                       | 3/4  | 150 | 5 29/32  | 804491 | 25   | 63/64 | 125 | 4 59/64 | 804494                                       | 44 | 1 47/64 | 175 | 6 57/64                                  | 804497 | 54    | 2 1/8 | 175  | 6 57/64 | 804501 | 86                         | 3 25/64 380 14 31/32 804506 |
| 19                       | 3/4  | 300 | 11 13/16 | 804492 | 25   | 63/64 | 250 | 9 27/32 | 804495                                       | 44 | 1 47/64 | 250 | 9 27/32                                  | 804498 | 54    | 2 1/8 | 250  | 9 27/32 | 804502 | —                          | —                           |
| —                        | —  | —   | —        | —      | —  | —     | —   | —       | —  | —  | —       | —   | —  | —      | —     | —     | —  | —       | —      | —                          | —                           |
| —                        | —  | —   | —        | —      | —  | —     | —   | —       | —  | 44 | 1 47/64 | 330 | 13                                       | 804499 | 54    | 2 1/8 | 330  | 13      | 804503 | —                          | —                           |

Please order locking pin and rubber ring extra

# FOR IMPACT WRENCHES, PULSE TOOLS, EC-SERVO SCREWDRIVER

| internal hex. screws             |        | Bits   |  |  | Holder                                      |                     |    |         |    |         |          |  |
|----------------------------------|--------|--|--|--|---|---------------------|----|---------|----|---------|----------|--|
| threaded pins with internal hex. |        | External hex. drive                                    |  |  | Internal hex. drive / Internal square drive |                     |    |         |    |         |          |  |
| AF mm                            | AF in. | L = 35 mm = 1 <sup>3</sup> / <sub>8</sub> in. Part no. | L = 40 mm = 1 <sup>37</sup> / <sub>64</sub> in. Part no. | L = 50 mm = 1 <sup>31</sup> / <sub>32</sub> in. Part no. | internal square drive DIN 3121              | internal hex. drive | mm | D in.   | mm | L in.   | Part no. |  |
| 3                                | 1/8    | 804525   |  |  |   |                     |    |         |    |         |          |  |
| 4                                | —      | 804526   |  |  |   |                     |    |         |    |         |          |  |
| 5                                | —      | 804527   |  |  |   |                     |    |         |    |         |          |  |
| 6                                | —      | 804528   | —  |  |   |                     |    |         |    |         |          |  |
| 6                                | —      | 804528   | —  |  |   |                     |    |         |    |         |          |  |
| 7                                | —      | 820046   |  |  |   |                     |    |         |    |         |          |  |
| 8                                | 5/16   | 804529   |  |  |   |                     |    |         |    |         |          |  |
| 10                               | —      | 804530   | 804533   | —  |   |                     |    |         |    |         |          |  |
| 10                               | —      | 804530   | 804533   | —  | G 10 (3/8")                                 | 7/16" (11.1 mm)     | 22 | 55/64   | 32 | 1 1/4   | 804520   |  |
| 12                               | —      | 804531   | 804534   |  | G 12.5 (1/2")                               | 7/16" (11.1 mm)     | 30 | 1 3/16  | 38 | 1 1/2   | 804521   |  |
| 12                               | —      | 804531   | 804534   |  | H 20 (3/4")                                 | 5/8" (15.9 mm)      | 44 | 1 47/64 | 52 | 2 3/64  | 804522   |  |
| 14                               | —      | 804532   | 804535   |  | H 20 (3/4")                                 | 7/8" (22 mm)        | 44 | 1 47/64 | 60 | 2 23/64 | 804519   |  |
| 14                               | —      | 804532   | 804535   |  | H 25 (1")                                   | 5/8" (15.9 mm)      | 54 | 2 1/8   | 68 | 2 43/64 | 8045231  |  |
| 17                               | —      | 820215   | 804536   |  | H 25 (1")                                   | 7/8" (22 mm)        | 54 | 2 1/8   | 70 | 2 3/4   | 804524   |  |
| 17                               | —      | 820215   | 804536   |  |   |                     |    |         |    |         |          |  |
| 19                               | 3/4    |  |  | 804537   |   |                     |    |         |    |         |          |  |
| 19                               | 3/4    |  |  | 804537   |   |                     |    |         |    |         |          |  |
| 22                               | —      |  |  | 804541   |   |                     |    |         |    |         |          |  |
| 24                               | —      |  |  | 804542   |   |                     |    |         |    |         |          |  |
| 27                               | 1 1/16 |  |  | 804619   |   |                     |    |         |    |         |          |  |
| 32                               | —      |  |  | 804574   |   |                     |    |         |    |         |          |  |
| 36                               | —      |  |  | 804618   |   |                     |    |         |    |         |          |  |

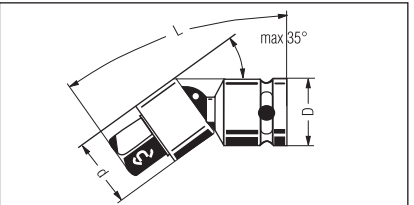
Please order locking pin and rubber ring extra



## Chuck for stud screws with internal square drive DIN 3121

| Thread size | Internal square drive G 10 DIN 3121 (3/8") |       |      |          | Internal square drive G 12.5 DIN 3121 (1/2") |         |      |          | Internal square drive H 20 DIN 3121 (3/4") |         |      |          | Internal square drive H 25 DIN 3121 (1") |         |      |          |
|-------------|--|-------|------|----------|--|---------|------|----------|--|---------|------|----------|--|---------|------|----------|
|             | D mm                                       | d in. | L mm | Part no. | D mm   | d in.   | L mm | Part no. | D mm                                       | d in.   | L mm | Part no. | D mm                                     | d in.   | L mm | Part no. |
| M 4         | 35   | 1 3/8 | 22   | 790025 A | —  | —       | —    | —        | —  | —       | —    | —        | —  | —       | —    | —        |
| M 5         | 35   | 1 3/8 | 22   | 790025 B | —  | —       | —    | —        | —  | —       | —    | —        | —  | —       | —    | —        |
| M 6         | 35   | 1 3/8 | 22   | 790025 C | —  | —       | —    | —        | —  | —       | —    | —        | —  | —       | —    | —        |
| M 8         | 35   | 1 3/8 | 22   | 790025 D | 47   | 1 27/32 | 28   | 390203 A | —  | —       | —    | —        | —  | —       | —    | —        |
| M 10        | 35   | 1 3/8 | 22   | 790025 E | 47   | 1 27/32 | 28   | 390203 B | —  | —       | —    | —        | —  | —       | —    | —        |
| M 12        | —  | —     | —    | —        | 47   | 1 27/32 | 28   | 390203 C | —  | —       | —    | —        | —  | —       | —    | —        |
| M 14        | —  | —     | —    | —        | 47   | 1 27/32 | 28   | 390203 D | 60   | 2 23/64 | 41   | 390135A  | —  | —       | —    | —        |
| M 16        | —  | —     | —    | —        | 47   | 1 27/32 | 28   | 390203 E | 60   | 2 23/64 | 41   | 390135B  | —  | —       | —    | —        |
| M 18        | —  | —     | —    | —        | —  | —       | —    | —        | 60   | 2 23/64 | 41   | 390135C  | —  | —       | —    | —        |
| M 20        | —  | —     | —    | —        | —  | —       | —    | —        | 60   | 2 23/64 | 41   | 390135D  | 66                                       | 2 19/32 | 54   | 390168 A |
| M 22        | —  | —     | —    | —        | —  | —       | —    | —        | 60   | 2 23/64 | 41   | 390135E  | 66                                       | 2 19/32 | 54   | 390168 B |
| M 24        | —  | —     | —    | —        | —  | —       | —    | —        | 60   | 2 23/64 | 41   | 390135F  | 66                                       | 2 19/32 | 54   | 390168 C |
| M 27        | —  | —     | —    | —        | —  | —       | —    | —        | —  | —       | —    | —        | 66                                       | 2 19/32 | 54   | 390168 D |
| M 30        | —  | —     | —    | —        | —  | —       | —    | —        | —  | —       | —    | —        | 66                                       | 2 19/32 | 54   | 390168 E |
| M 33        | —  | —     | —    | —        | —  | —       | —    | —        | —  | —       | —    | —        | 66                                       | 2 19/32 | 54   | 390168 F |

Please order locking pin and rubber ring extra



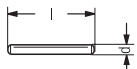

## Ball joint with internal square drive DIN 3121

| Internal-□ | G 6.3 DIN 3121 (1/4") | G 10 DIN 3121 (3/8") | G 12.5 DIN 3121 (1/2") | H 20 DIN 3121 (3/4") | H 25 DIN 3121 (1") | H 40 DIN 3121 (1 1/2") |        |        |           |       |       |           |        |        |            |         |         |            |
|------------|-----------------------|----------------------|------------------------|----------------------|--------------------|------------------------|--------|--------|-----------|-------|-------|-----------|--------|--------|------------|---------|---------|------------|
| External-□ | E 6.3 DIN 3121 (1/4") | E 10 DIN 3121 (3/8") | E 12.5 DIN 3121 (1/2") | F 20 DIN 3121 (3/4") | F 25 DIN 3121 (1") | F 40 DIN 3121 (1 1/2") |        |        |           |       |       |           |        |        |            |         |         |            |
|            | D mm                  | d mm                 | L = 43 mm              | D mm                 | d mm               | L = 58 mm              | D mm   | d mm   | L = 78 mm | D mm  | d mm  | L = 95 mm | D mm   | d mm   | L = 128 mm | D mm    | d mm    | L = 178 mm |
|            | mm                    | mm                   | Part no.               | mm                   | mm                 | Part no.               | mm     | mm     | Part no.  | mm    | mm    | Part no.  | mm     | mm     | Part no.   | mm      | mm      | Part no.   |
|            | 16                    | 16                   | 804518                 | 22                   | 22                 | 804510                 | 28     | 28     | 804511    | 38    | 38    | 804512    | 53     | 53     | 804513     | 86      | 86      | 804514     |
|            | 5/8                   | 5/8                  |                        | 55/64                | 55/64              |                        | 1 1/64 | 1 1/64 |           | 1 1/2 | 1 1/2 |           | 2 3/32 | 2 3/32 |            | 3 25/64 | 3 25/64 |            |

Please order locking pin and rubber ring extra

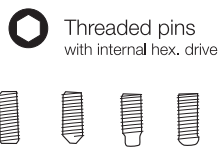
# FOR IMPACT WRENCHES, PULSE TOOLS, EC-SERVO SCREWDRIVER

## Locking pins and rubber rings for sockets, holder, extensions, ball joints and chucks for stud screws

| Internal square drive<br>DIN 3121 | Sockets  |           | Extension<br>Ball joint<br>Holder |               | Chuck for<br>stud screws |        | Locking pin<br> |       |     |        | Rubber ring<br> |     |        |      |          |        |
|-----------------------------------|----------|-----------|-----------------------------------|---------------|--------------------------|--------|---|-------|-----|--------|--|-----|--------|------|----------|--------|
|                                   | AF<br>mm | AF<br>in. | D                                 |               | d                        |        | d   |       | l   |        | D  |     | d      |      | Part no. |        |
|                                   |          |           | mm                                | in.           | mm                       | in.    | mm  | in.   | mm  | in.    | mm   | in. | mm     | in.  |          |        |
| G 10 (3/8")                       | 7-19     | 3.0       | 19/22                             | 3/4 / 55/64   | 22                       | 55/64  | 2.5   | 3/32  | 16  | 5/8    | 800078   | 14  | 35/64  | 3    | 1/8      | 802513 |
| G 12.5 (1/2")                     | 8-13     | 3.2       | 25                                | 63/64         | —                        | —      | 3   | 1/8   | 20  | 25/32  | 802348   | 18  | 45/64  | 3    | 1/8      | 803370 |
| G 12.5 (1/2")                     | 16-27    | 3.8       | 28/30                             | 17/64 / 13/16 | 28                       | 17/64  | 3   | 1/8   | 24  | 15/16  | 800012   | 20  | 25/32  | 4    | 5/32     | 802499 |
| G 16 (5/8")                       | 8-27     | 4.0       | 35                                | 13/8          | —                        | —      | 3   | 1/8   | 28  | 17/64  | 802346   | 24  | 15/16  | 4    | 5/32     | 802524 |
| H 20 (3/4")                       | 17-46    | 4.2       | 38/44                             | 11/2 / 147/64 | 41                       | 139/64 | 4   | 5/32  | 32  | 17/64  | 800056   | 34  | 111/32 | 5.5  | 7/32     | 802546 |
| H 25 (1")                         | 27-60    | 4.3       | 54                                | 21/8          | 54                       | 21/8   | 5   | 13/64 | 45  | 149/64 | 804546   | 42  | 121/32 | 7.5  | 19/64    | 802547 |
| H 40 (1 1/2")                     | 46-90    | 4.7       | 86                                | 325/64        | —                        | —      | 5   | 13/64 | 75  | 261/64 | 804547   | 72  | 253/64 | 6.5  | 17/64    | 802548 |
| H 40 (1 1/2")                     | 95-110   | 5.0       | —                                 | —             | —                        | —      | 6   | 1/4   | 110 | 421/64 | 804549   | 114 | 431/64 | 10.5 | 27/64    | 802468 |
| H 63 (2 1/2")                     | 100-155  | 5.5       | —                                 | —             | —                        | —      | 8   | 5/16  | 115 | 417/32 | 804548   | 114 | 431/64 | 10.5 | 27/64    | 802468 |

# FOR IMPACT WRENCHES WITH QUICK CHANGE CHUCK (INTERNAL HEX. DRIVE DIN ISO 1173 F11.2)


## Bits



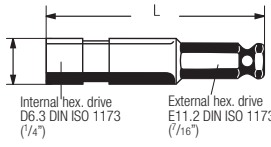
External hex. drive E11.2 DIN ISO 1173 (7/16)

| AF<br>mm | AF<br>in. | Part no. |
|----------|-----------|----------|
| 5        | —         | 804515   |
| 6        | —         | 804516   |
| 8        | 5/16      | 804538   |
| 10       | —         | 804539   |
| 10       | —         | 804539   |
| 12       | —         | 804540   |
| 12       | —         | 804540   |
| 14       | —         | 804517   |

## Holder

| External square drive  | L<br>mm / in. | Part no. | for sockets<br> |
|------------------------|---------------|----------|--|
| E 10 DIN 3121 (3/8")   | 50 / 131/32   | 8043651  |  |
| E 12.5 DIN 3121 (1/2") | 54 / 21/8     | 8043661  |  |
| F 20 DIN 3121 (3/4")   | 76 / 3        | 8043631  |  |

External hex. drive  
E11.2 DIN ISO 1173 (7/16)

| for bit<br>with external hex. drive C 6.3 DIN ISO 1173 (1/4") |               |        | non-magnetic<br>Part no. |  |
|---|---------------|--------|--------------------------|---|
| L<br>mm / in.   | D<br>mm / in. |        |                          |   |
| 65 / 29/16  | 11.1 / 7/16   | 825021 |                          |   |

Internal hex. drive  
D6.3 DIN ISO 1173  
(1/4") External hex. drive  
E11.2 DIN ISO 1173  
(7/16)

# DEPRAG

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