



” *Punching tools from Greenlee:  
We accept no compromise when  
it comes to function, quality and  
durability.*“

Mohammed Benali,  
Product Management

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**576**


## *Die-free after every punch!*



### **Efficient punching with Speed Punch™, Slug Buster® and Slug Splitter®.**

Greenlee punching tools are set apart by technical innovations and high quality. Extremely simple handling and fast operations are a matter of course.

The Speed Punch™, Slug Buster® and standard tools are suitable for punching steel, aluminum and plastic. The Slug Splitter® range is also suitable for stainless steel.



*Fix the die and  
start punching.*



- For holes from 12.5 mm to 143.7 mm.
- For sheet metal up to 3.5 mm thickness.
- Extremely high capacity and long durability.
- For hydraulic and manual operation.

## Efficient punching and splitting: *Slug Buster® and Slug Splitter®.*

- ▶ Patented punching profile **splits the slugs into two halves..**
- ▶ Innovative cutting edge shape reduces effort.

### Benefits:

- ▶ The slugs fall free from the die, saving you time.
- ▶ Increased efficiency due to fast operations for little effort.
- ▶ Prolonged service life.



▶ *More from Page 532.*



## Fits any tool:

*Greenlee tools are compatible.*

- ▶ All **punching tools are compatible** and can be used with drivers from other manufacturers.

### Benefits:

- ▶ The investment framework remains manageable.

## Fast. Faster



- ▶ Up to 3-times faster than conventional punching tools.
- ▶ Compatible with all Greenlee hand-operated and battery powered hydraulic tools.

### Benefits:

- ▶ Saves a lot of time, as there is no need to screw and unscrew the counter nut.
- ▶ In combination with the LS50-L FLEX battery powered hydraulic punch, the best possible solution for speed and performance.

## Our punching tools at a glance:

|                   | Mild steel/<br>Aluminum/<br>Plastic | V2A | Self-centring | Splits the<br>slugs | Manual | Hydraulic | Dimensions<br>in mm | Material<br>thickness |
|-------------------|-------------------------------------|-----|---------------|---------------------|--------|-----------|---------------------|-----------------------|
| Standard          | ✓                                   |     |               |                     | ✓      | ✓         | 12.5 – 143.7        | <=3 mm                |
| Slug Buster®      | ✓                                   |     |               | ✓                   | ✓      | ✓         | 12.5 – 64           | <=3 mm                |
| Slug Splitter®    | ✓                                   | ✓   |               | ✓                   |        | ✓         | 15.2 – 64           | <=3.5 mm              |
| Slug Splitter SC™ | ✓                                   | ✓   | ✓             | ✓                   |        | ✓         | 22.5 – 61.5         | <=3.5 mm              |
| Speed Punch™      | ✓                                   |     |               | ✓                   |        | ✓         | 16 – 63             | <=3.5 mm              |

### Standard punch systems



► Ball bearing draw stud for easy manual operation

#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Manual and hydraulic

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

#### Scope of supply

- Complete system consisting of punch, die and draw stud for manual operation

#### Order info

- \*50042181 Draw stud without ball-bearing

| Punch size     |               |        | Max. Material thickness | Complete Unit | Individual parts for manual operation |          |           |                             |                  |          | Draw studs + accessories for hydraulic units |   |                              |                             |
|----------------|---------------|--------|-------------------------|---------------|---------------------------------------|----------|-----------|-----------------------------|------------------|----------|--|---|------------------------------|-----------------------------|
| True dimension | Standard size |        |                         |               | Part No.                              | Punch    | Die       | Draw stud with ball bearing | Ball bearing nut | Spacer   | Draw studs                                   |   |                              | Accessories                 |
|                | mm            | Pg     | ISO                     | mm (St37)     |                                       |          |           |                             |                  |          | Hand hydraulic pump 7304E 7904E              | Battery f. powered LS 50 L FLEX LS 60 L | Hydr. pump 80153062 50250973 | Adapter sleeves 19.0 / 28.6 |
| 12.7           | Pg 7          |        | 1.5                     | 50024086      | 50069969                              | 50042351 | 50042181* |                             |                  |          |  |   |                              |                             |
| 14.3           |               |        | 1.5                     | 50024337      | 50042300                              | 50042297 | 50042181* |                             |                  |          |  |   |                              |                             |
| 15.2           | Pg 9          |        | 2.0                     | 50211153      | 50213164                              | 50320025 | 50000420  |                             |                  |          |  |   |                              |                             |
| 15.9           |               |        | 1.5                     | 50024094      | 50042238                              | 50042246 | 50042181  |                             |                  |          |  |   |                              | 50339672                    |
| 16.2           |               | ISO 16 | 2.0                     | 50351923      | 50351931                              | 50351621 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 18.6           |               |        | 2.0                     | 50188860      | 50177001                              | 50320033 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 19.1           |               |        | 2.0                     | 50206672      | 50039989                              | 50039997 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 20.4           | Pg 13         | ISO 20 | 2.0                     | 50188879      | 50176978                              | 50320041 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 20.6           |               |        | 2.0                     | 50206680      | 50042262                              | 50042254 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 22.5           | Pg 16         |        | 3.5                     | 50225634      | 51040060                              | 51147220 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 23.8           |               |        | 2.0                     | 50253417      | 50042386                              | 50042378 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 25.4           |               | ISO 25 | 2.0                     | 50206702      | 50039865                              | 50351648 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 27.0           |               |        | 2.0                     | 50253425      | 50042408                              | 50042424 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 28.3           | Pg 21         |        | 3.5                     | 50225642      | 51040080                              | 51069720 | 50040405  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 28.3           | Pg 21         |        | 2.0                     | 50369105      | 50368826                              | 50320068 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 28.6           |               |        | 2.0                     | 50206710      | 50039903                              | 50039911 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 30.5           |               |        | 1.5                     | 50365061      | 50362828                              | 50362798 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              | 50339672                    |
| 31.8           |               |        | 1.5                     | 50206737      | 50040022                              | 50040030 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              |                             |
| 32.5           | Pg 32         |        | 3.5                     | 50244760      | 50244590                              | 50351680 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 33.4           |               |        | 1.5                     | 50253441      | 50065874                              | 50065866 | 50000420  |                             |                  | 51300430 | 51300430                                     |   |                              |                             |
| 34.6           |               |        | 3.5                     | 50225650      | 50040103                              | 50040111 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 34.9           |               |        | 3.5                     | 50254278      | 50047345                              | 50047353 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 37.0           | Pg 29         |        | 3.5                     | 50188909      | 50183311                              | 50320084 | 50040405  |                             |                  | 51300430 | 51300430                                     |   |                              |                             |
| 38.1           |               |        | 3.5                     | 50254286      | 50047361                              | 50070444 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 40.5           |               | ISO 40 | 3.5                     | 50244779      | 50244620                              | 50351591 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 41.3           |               |        | 3.5                     | 50253492      | 50042513                              | 50042505 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 43.2           |               |        | 3.5                     | 50225669      | 51069740                              | 50040138 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 44.5           |               |        | 3.5                     | 50253506      | 50042572                              | 50042564 | 50040405  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 47.0           |               |        | 3.5                     | 50188917      | 50176870                              | 50320092 | 50040421  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 47.6           |               |        | 3.5                     | 50253514      | 50042483                              | 50042491 | 50040421  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 49.6           |               |        | 3.5                     | 50225677      | 50069780                              | 50040618 | 50040421  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |
| 50.8           |               | ISO 50 | 3.5                     | 50206761      | 50042327                              | 50351613 | 50040421  |                             |                  | 50318721 | 50318721                                     |   |                              |                             |

| Punch size     |               |        | Max. Material thickness | Complete Unit   | Individual parts for manual operation |          |          |                             |                  | Draw studs + accessories for hydraulic units |                            |   |                              |
|----------------|---------------|--------|-------------------------|-----------------|---------------------------------------|----------|----------|-----------------------------|------------------|--|----------------------------|---|------------------------------|
| True dimension | Standard size |        |                         |                 | Part No.                              | Punch    | Die      | Draw stud with ball bearing | Ball bearing nut | Spacer                                       | Draw studs                 |   |                              |
|                | mm            | Pg     | ISO                     | mm (SI37)       |                                       |          |          |                             |                  |  | Hand hydraulic 7804E 7904E | Battery f. powered LS 50 L FLEX LS 60 L | Hydr. pump 50159062 50250973 |
| 54.0           | Pg 42         |        | 3.5                     | <b>50206788</b> | 50042459                              | 50361732 | 50040421 |                             |                  |  | 50318721                   | 50318721                                |                              |
| 57.2           |               |        | 3.5                     | <b>50253603</b> | 50040588                              | 50040596 | 50040421 |                             |                  |  | 50318721                   | 50318721                                |                              |
| 60.0           | Pg 48         |        | 3.5                     | <b>50188925</b> | 50176900                              | 50320114 | 50040421 |                             |                  |  |                            |   |                              |
| 61.5           |               |        | 3.5                     | <b>50225685</b> | 50040626                              | 50040634 | 50040421 |                             |                  |  |                            |   |                              |
| 63.5           |               | ISO 63 | 3.5                     | <b>50206796</b> | 50042343                              | 50042335 | 50041886 |                             |                  |  |                            |   |                              |
| 66.7           |               |        | 3.5                     | <b>50212141</b> | 50042521                              | 50069977 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 69.9           |               |        | 3.5                     | <b>50253611</b> | 50042475                              | 50042467 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 70.6           |               |        | 3.5                     | <b>50253832</b> | 50024450                              | 50024434 | 50040421 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 74.0           |               |        | 3.5                     | <b>50199757</b> | 50041754                              | 50041770 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 76.2           |               |        | 3.5                     | <b>50253727</b> | 50042599                              | 50042580 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 79.4           |               |        | 3.5                     | <b>50254030</b> | 50063634                              | 50063626 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 82.0           |               |        | 3.5                     | <b>50186353</b> | 50189050                              | 50189069 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 89.8           |               |        | 3.5                     | <b>50199765</b> | 50041800                              | 50041835 | 50041886 | 50041878                    |                  |  | 52045040                   | 52045040                                |                              |
| 95.3           |               |        | 3.5                     | <b>50212168</b> | 50052659                              | 50052667 | 50041886 | 50041787                    |                  |  | 52045040                   | 52045040                                |                              |
| 102.7          |               |        | 3.5                     | <b>50199773</b> | 50046535                              | 50046527 | 50046799 | 50046853                    | 50046861         |  |                            | 52045040                                | 50031708                     |
| 115.4          |               |        | 3.5                     | <b>50199781</b> | 50046551                              | 50046543 | 50046799 | 50046853                    | 50046861         |  |                            | 52045040                                | 50031708                     |
| 120.0          |               |        | 3.5                     | <b>50215191</b> | 50214896                              | 50214918 | 50046799 | 50046853                    | 50046861         |  |                            | 52045040                                | 50031708                     |
| 144.1          |               |        | 3.5                     | <b>50199803</b> | 50054473                              | 50054481 | 50046799 | 50046853                    | 50046861         |  |                            | 52045040                                | 50031708                     |

### SLUG-BUSTER® punch systems



- ▶ For quick, clean, effortless and burr-free holes
- ▶ Split slugs fall free and can be removed easily

#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Manual and hydraulic

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

#### Scope of supply

- Complete system consisting of punch, die and draw stud for manual operation

#### Order info

- \*50042181 Draw stud without ball-bearing

| Punch size     |               |        | Max. Material thickness | Complete Unit | Individual parts for manual operation |          |           | Draw studs + accessories for hydraulic units |                            |  |
|----------------|---------------|--------|-------------------------|---------------|---------------------------------------|----------|-----------|--|----------------------------|--|
| True dimension | Standard size |        |                         |               | Part No.                              | Punch    | Die       | Draw stud with ball bearing                  | Draw studs                 |  |
|                | mm            | Pg     | ISO                     | mm (St37)     |                                       |          |           |  | Hand hydraulic 7304E 7904E | Battery f. powered punch, pump LS 50 L/FLEX LS60 L |
| 12.5           | Pg 7          | ISO 12 | 1.5                     | 50067273      | 50067281                              | 50067290 | 50042181* |  |                            |  |
| 15.2           | Pg 9          |        | 2.0                     | 50319892      | 50319698                              | 50320025 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 16.2           |               | ISO 16 | 2.0                     | 50351770      | 50351630                              | 50351621 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 18.6           | Pg 11         |        | 2.0                     | 50319906      | 50319701                              | 50320033 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 20.4           | Pg 13         | ISO 20 | 2.0                     | 50319914      | 50319710                              | 50320041 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 22.5           | Pg 16         |        | 2.0                     | 50319620      | 50317563                              | 51147220 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 25.4           |               | ISO 25 | 2.0                     | 50351788      | 50351656                              | 50351648 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 28.3           | Pg 21         |        | 3.0                     | 50319639      | 50317571                              | 50069721 | 50040405  | 50318721                                     | 52045040                   | 50339672   |
| 28.3           | Pg 21         |        | 2.0                     | 50319930      | 50319736                              | 50320068 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 30.5           |               |        | 2.0                     | 50365088      | 50362844                              | 50362798 | 50000420  | 51300430                                     | 51300430                   | 50339672   |
| 30.5           |               |        | 3.5                     | 50602462      | 50602373                              | 50362780 | 50040405  | 50318721                                     | 52045040                   | 50339672   |
| 32.5           |               | ISO 32 | 3.5                     | 50351796      | 50351699                              | 50351680 | 50040405  | 50318721                                     | 52045040                   |  |
| 34.6           |               |        | 3.5                     | 50319647      | 50317580                              | 50040111 | 50040405  | 50318721                                     | 52045040                   |  |
| 37.0           | Pg 29         |        | 3.5                     | 50319957      | 50319752                              | 50320084 | 50040405  | 50318721                                     | 52045040                   |  |
| 40.5           |               | ISO 40 | 3.5                     | 50351800      | 50351583                              | 50351591 | 50040405  | 50318721                                     | 52045040                   |  |
| 43.2           |               |        | 3.5                     | 50319655      | 50317598                              | 50040138 | 50040405  | 50318721                                     | 52045040                   |  |
| 47.0           | Pg 36         |        | 3.5                     | 50319965      | 50319760                              | 50320092 | 50040421  | 50318721                                     | 52045040                   |  |
| 49.6           |               |        | 3.5                     | 50319663      | 50317601                              | 50040618 | 50040421  | 50318721                                     | 52045040                   |  |
| 50.8           |               | ISO 50 | 3.5                     | 50351818      | 50351605                              | 50351613 | 50040421  | 50318721                                     | 52045040                   |  |
| 54.0           | Pg 42         |        | 3.5                     | 50361716      | 50361724                              | 50361732 | 50040421  | 50318721                                     | 52045040                   |  |
| 60.0           | Pg 48         |        | 3.5                     | 50319981      | 50319787                              | 50320114 | 50040421  | 50318721                                     | 52045040                   |  |
| 61.5           |               |        | 3.5                     | 50319671      | 50317610                              | 50040634 | 50040421  | 50318721                                     | 52045040                   |  |
| 64.0           |               | ISO 63 | 3.5                     | 50351826      | 50351672                              | 50351664 | 50040421  | 50318721                                     | 52045040                   |  |

**SLUG-SPLITTER® punch systems (stainless steel)**

- ▶ Heavy-duty dies and stainless steel draw studs for longer life
- ▶ Unique punch profile also splits slugs for easier slug removal

**Suitable for**

- Stainless steel (V2A), mild steel (St37), plastic and aluminum up to 3.5 mm thick

**Operation**

- Hydraulic

**Predrilling**

- Draw stud 11.1 mm dia., pilot drill 12.7 mm dia. 50344102
- Draw stud 19.0 mm dia., pilot drill 20.5 mm dia. 50344030


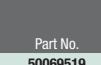
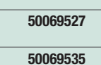
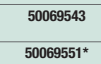
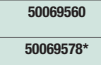
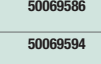


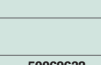
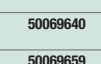
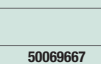

**Scope of supply**

- Heavy duty punch unit including punch and die

**Order info**

- \* Slug Splitter SC® - self-centring



| Item   | Punch size     |               |        | Max. Material thickness | Punch and die   | Individual parts |           | Draw studs |          |
|--|----------------|---------------|--------|-------------------------|---|------------------|-----------|------------|----------|
|  | True dimension | Standard size |        |                         |   | Punch            | Die       |            |          |
| mm   |                | Pg            | ISO    | mm (V2A)                | Part No.  |                  |           |            |          |
| SLUG-SPLITTER® punch set (stainless steel) 15.2 mm | 15.2           | Pg 9          |        | 2.5                     |    | 50069519         | 50311174  | 50311263   | 50294512 |
| SLUG-SPLITTER® punch set (stainless steel) 16.2 mm | 16.2           |               | ISO 16 | 2.5                     |    | 50069527         | 50045997  | 50045989   | 50294512 |
| SLUG-SPLITTER® punch set (stainless steel) 18.6 mm | 18.6           | Pg 11         |        | 2.5                     |    | 50069535         | 50311190  | 50311280   | 50294512 |
| SLUG-SPLITTER® punch set (stainless steel) 20.4 mm | 20.4           | Pg 13         | ISO 20 | 2.5                     |    | 50069543         | 50311204  | 50311298   | 50294512 |
| SLUG-SPLITTER® punch set (stainless steel) 22.5 mm | 22.5           | Pg 16         |        | 3.5                     |   | 50069551*        | 50281542* | 50281550*  | 50294512 |
| SLUG-SPLITTER® punch set (stainless steel) 25.4 mm | 25.4           |               | ISO 25 | 3.5                     |  | 50069560         | 50046020  | 50046012   | 50294512 |
| SLUG-SPLITTER® punch set (stainless steel) 28.3 mm | 28.3           | Pg 21         |        | 3.5                     |  | 50069578*        | 50281569* | 50281577*  | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 30.5 mm | 30.5           |               |        | 3.5                     |  | 50069586         | 50364901  | 50364898   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 32.5 mm | 32.5           |               | ISO 32 | 3.5                     |  | 50069594         | 50046055  | 50046039   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 34.6 mm | 34.6           |               |        | 3.5                     |  | 50069608         | 50281585* | 50281593*  | 59294520 |
| SLUG-SPLITTER® punch set (stainless steel) 37.0 mm | 37.0           | Pg 29         |        | 3.5                     |  | 50069608         | 50311220  | 50311352   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 40.5 mm | 40.5           |               | ISO 40 | 3.5                     |  | 50069616         | 50046080  | 50046071   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 43.2 mm | 43.2           |               |        | 3.5                     |  | 50069624         | 50281607* | 50281615*  | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 47.0 mm | 47.0           | Pg 36         |        | 3.5                     |  | 50069624         | 50311239  | 50311310   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 49.6 mm | 49.6           |               |        | 3.5                     |  | 50069632         | 50281623* | 50281631   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 50.8 mm | 50.8           |               | ISO 50 | 3.5                     |  | 50069632         | 50046110  | 50046098   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 54.0 mm | 54.0           | Pg 42         |        | 3.5                     |  | 50069640         | 50311247  | 50311328   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 60.0 mm | 60.0           | Pg 48         |        | 3.5                     |  | 50069659         | 50311255  | 50311336   | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 61.5 mm | 61.5           |               |        | 3.5                     |  | 50069667         | 50281658* | 50281666*  | 50294520 |
| SLUG-SPLITTER® punch set (stainless steel) 64 mm   | 64.0           |               | ISO 63 | 3.5                     |  | 50069667         | 50046144  | 50046136   | 50294520 |



Round and special shape punches

## SPEED PUNCH™ Knockout-System



- ▶ "No-thread" design eliminates cross-threading
- ▶ Simple operation and great time saving due to speed lock system

### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

### Operation

- hydraulic

### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia.  
Draw stud 19 mm dia., pilot drill 20.5 mm dia.

### Scope of supply

- Complete system consisting of punch and die

### Order info

- Speed lock and draw stud not included

| Punch size     |               | Max. Material thickness | Punch and die   | Individual parts |          | Speed lock     | Draw stud      |
|----------------|---------------|-------------------------|-----------------|------------------|----------|----------------|----------------|
| True dimension | Standard size |                         |                 | Punch            | Die      |                |                |
| mm             | ISO/PG        | mm (St37)               | Part No.        | Punch            | Die      | (not included) | (not included) |
| 16,2           | ISO 16        | 3,5                     | <b>52055431</b> | 52066021         | 52066022 | 52066002       | 52066001       |
| 20,4           | ISO 20        | 3,5                     | <b>52055432</b> | 52066023         | 52066024 | 52066002       | 52066001       |
| 22,5           | PG 16         | 3,5                     | <b>52055433</b> | 52065998         | 52065999 | 52066002       | 52066001       |
| 25,4           | ISO 25        | 3,5                     | <b>52055434</b> | 52066025         | 52066026 | 52066002       | 52066001       |
| 32,5           | ISO 32        | 3,5                     | <b>52055435</b> | 52066027         | 52066028 | 52047817       | 52047818       |
| 40,5           | ISO 40        | 3,5                     | <b>52055436</b> | 52066029         | 52066030 | 52047817       | 52047818       |
| 50,8           | ISO 50        | 3,5                     | <b>52055437</b> | 52066031         | 52066032 | 52047817       | 52047818       |
| 64,0           | ISO 63        | 3,5                     | <b>52055438</b> | 52066033         | 52066034 | 52047817       | 52047818       |

| Scope of supply                                     | Part No. | Page |
|---|----------|------|
| Speed lock and draw stud for ISO 16/20/25 und PG 16 | 52055439 |      |
| Speed lock and draw stud for ISO 32/40/50/63        | 52055440 |      |

**Draw studs with Manual Drivers**
**► High wear resistance**
**Order info**

- To increase the service life, we recommend greasing the draw studs with Greenlee installation paste no. 50115472
- Sizes given are diameter x length
- Subject to tolerance deviations

| Item   | Part No. |
|--|----------|
| Draw studs for manual operation 28.6 mm x 190 mm | 50046799 |
| Draw studs for manual operation 19.0 mm x 140 mm | 50041886 |
| Draw studs for manual operation 19.0 mm x 75 mm  | 50040421 |
| Draw studs for manual operation Ø 19.0 x 55 mm   | 50040405 |
| Draw studs for manual operation Ø 9.5 x 40 mm    | 50000420 |
| Draw studs for manual operation 6.5 mm x 35 mm   | 50042181 |


**Draw studs for Hydraulic Drivers**
**Order info**

- To increase the service life, we recommend greasing the draw studs with Greenlee installation paste no. 50115472
- Sizes given are diameter x length
- Subject to tolerance deviations

| Item  | Part No. |
|---|----------|
| Draw stud for punch with hydraulic operation 9.5 x 71 mm            | 51300430 |
| Draw stud for hydraulic operation, Speed Punch 9,5 auf 19 mm, 97 mm | 52066001 |
| Draw stud for hydraulic operation 19.0 x 105 mm                     | 50318721 |
| Draw stud for hydraulic operation, Speed Punch 19,0 x 121 mm        | 52047818 |
| Draw stud for hydraulic operation 11.1 mm to 19 mm x 108 mm         | 50294512 |
| Draw stud for hydraulic operation 9.5 mm to 19 mm x 122 mm          | 52042827 |
| Draw stud for hydraulic operation 19.0 x 137 mm                     | 52045040 |
| Draw stud for hydraulic operation 19 x 140 mm                       | 50294520 |
| Adapter 19.0 x 48 mm with internal thread 6.3 mm                    | 50601148 |
| Adapter 19.0 x 48 mm with internal thread 9.5 mm                    | 50339672 |
| Adapter 19.0 x 48 mm with internal thread 12.7 mm                   | 50601679 |
| Adapter 28.6 x 76 mm  | 50031708 |



## Rectangular punches



### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.0 mm thick and V2A 1.5 mm thick
- Punching of burr-free, clean and accurate holes

### Operation

- Manual and hydraulic

### Predrilling

- 9.7 mm pilot drill 50360183  
12.7 mm dia. pilot drill 50344102  
15.9 mm dia. Pilot drill 50344030  
30.2 mm dia. Pilot drill 50364146

### Scope of supply

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

### Order info

- \* = only for use with hydraulic punch drivers 50159062, 50250973, L S60L and LS50LFLEX
- \*\* = only for use with hydraulic punch drivers 50159062, 50250973 and LS50LFLEX

| Punch<br>A x B | Max. Material<br>thickness | Operating<br>mode | Complete<br>Unit | Individual parts for manual operation |          |            |                     |             | Mounting<br>hole-dia. | Adapter for<br>hydr. punch<br>driver |
|----------------|----------------------------|-------------------|------------------|---------------------------------------|----------|------------|---------------------|-------------|-----------------------|--------------------------------------|
|                |                            |                   |                  | Punch                                 | Die      | Draw studs | Ball bearing<br>nut | Counter nut |                       |                                      |
| mm             | mm<br>(St37)               |                   | Part No.         |                                       |          |            |                     |             | mm                    | Part No.                             |
| 11.1 x 22.2    | 1.5                        | Hand/Hydr.        | <b>50600257</b>  | 50600265                              | 50600273 | 50601156   | 50601202            | 50052446    | 9.7                   | 50601148                             |
| 17.0 x 19.0    | 2.0                        | Hand/Hydr.        | <b>50610281</b>  |                                       | 50600303 | 52020113   | 50347330            | 50046381    | 12.7                  | 50339672                             |
| 19.1 x 29.0    | 2.0                        | Hand/Hydr.        | <b>50600311</b>  | 50600320                              | 50600338 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 19.1 x 33.3    | 2.0                        | Hand/Hydr.        | <b>50600346</b>  | 50600354                              | 50600362 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 21.9 x 25.9    | 2.0                        | Hand/Hydr.        | <b>50600370</b>  | 50600389                              | 50600397 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 22.0 x 30.0    | 2.0                        | Hand/Hydr.        | <b>50600400</b>  | 50600419                              | 50600427 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 22.0 x 42.0    | 2.0                        | Hand/Hydr.        | <b>50600435</b>  | 50600451                              | 50600460 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 25.1 x 29.0    | 2.0                        | Hand/Hydr.        | <b>50600478</b>  | 50600486                              | 50600494 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 31.8 x 35.1    | 2.0                        | Hand/Hydr.        | <b>50600508</b>  | 50600516                              | 50600524 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 29.0 x 71.0    | 3.0                        | Hydr.             | <b>52045296</b>  |                                       |          | 52033836   |                     | 52033844    | 28.6                  |                                      |
| 30.0 x 90.0    | 3.0                        | Hydr.             | <b>52045297</b>  |                                       |          | 52045298   |                     | 52045300    | 28.6                  |                                      |
| 33.3 x 66.7    | 3.0                        | Hydr.             | <b>50600532</b>  | 50600540                              | 50600559 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 35.0 x 52.0    | 3.0                        | Hydr.             | <b>50600567</b>  | 50600575                              | 50600583 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 35.0 x 65.0    | 3.0                        | Hydr.             | <b>50600591</b>  | 50600605                              | 50600613 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 35.0 x 82.0    | 2.0                        | Hydr.*            | <b>50600621</b>  | 50600630                              | 50600648 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 35.0 x 112.0   | 2.0                        | Hydr.*            | <b>50600656</b>  | 50600664                              | 50600672 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 46.0 x 92.0    | 3.0                        | Hydr.*            | <b>50600680</b>  | 50600699                              | 50600702 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 57.2 x 88.9    | 3.0                        | Hydr.*            | <b>50600710</b>  | 50600729                              | 50600737 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 68.0 x 138.0   | 2.0                        | Hydr.**           | <b>50600745</b>  | 50600753                              | 50600761 | 50601180   |                     | 50602357    | 30.2                  |                                      |

**Square punches**
**Suitable for**

- Mild steel (St37), plastic and aluminum up to 3.0 mm thick and V2A 1.5 mm thick
- Punching of burr-free, clean and accurate holes

**Operation**

- Manual and hydraulic

**Predrilling**

- 9.7 mm pilot drill 50360183
- 12.7 mm dia. pilot drill 50344102
- 15.9 mm dia. Pilot drill 50344030
- 30.2 mm dia. Pilot drill 50364146

**Scope of supply**

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

**Order info**

- \* = only for use with hydraulic punch drivers 50159062, 50250973, LS60L and LS50LFLEX
- \*\* = only for use with hydraulic punch drivers 50159062 and 50250973



| Punch<br>A x B | Max. Material<br>thickness | Operating<br>mode | Complete<br>Unit | Individual parts for manual operation |          |            |                     |             | Mounting<br>hole-dia. | Adapter for<br>hydr. punch<br>driver |
|----------------|----------------------------|-------------------|------------------|---------------------------------------|----------|------------|---------------------|-------------|-----------------------|--------------------------------------|
|                |                            |                   |                  | Punch                                 | Die      | Draw studs | Ball bearing<br>nut | Counter nut |                       |                                      |
| mm             | mm<br>(St37)               |                   | Part No.         |                                       |          |            |                     |             | mm                    | Part No.                             |
| 12.7 x 12.7    | 1.5                        | Hand/Hydr.        | <b>50600010</b>  | 50600028                              | 50600036 | 50601156   | 50601202            | 50052446    | 9.5                   | 50601148                             |
| 15.9 x 15.9    | 2.0                        | Hand/Hydr.        | <b>50610045</b>  |                                       |          | 52020113   | 50347330            | 50046381    | 12.7                  | 50339672                             |
| 19.1 x 19.1    | 2.0                        | Hand/Hydr.        | <b>50610076</b>  | 50600087                              | 50600095 | 52020113   | 50347330            | 50046381    | 12.7                  | 50339672                             |
| 22.4 x 22.4    | 2.0                        | Hand/Hydr.        | <b>50610106</b>  |                                       |          | 52020113   | 50347330            | 50046381    | 12.7                  | 50339672                             |
| 24.0 x 24.0    | 2.0                        | Hand/Hydr.        | <b>50610137</b>  | 50600141                              | 50600150 | 52020113   | 50347330            | 50046381    | 12.7                  | 50339672                             |
| 25.4 x 25.4    | 2.0                        | Hand/Hydr.        | <b>50600168</b>  | 50600176                              | 50600184 | 50601172   | 50601652            | 50602586    | 15.9                  | 50601679                             |
| 45.0 x 45.0    | 3.0                        | Hydr.             | <b>50115723</b>  | 50767640                              | 50767657 | 52033836   |                     | 52033844    | 30.2                  |                                      |
| 46.0 x 46.0    | 3.0                        | Hydr.             | <b>50600192</b>  | 50600206                              | 50600214 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 50.8 x 50.8    | 3.0                        | Hydr.             | <b>50601687</b>  | 50601695                              | 50601709 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 68.0 x 68.0    | 3.0                        | Hydr.             | <b>50601717</b>  | 50601725                              | 50601733 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 92.0 x 92.0    | 3.0                        | Hydr.*            | <b>50601741</b>  | 50601750                              | 50601768 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 104.8 x 104.8  | 2.0                        | Hydr.*            | <b>50601776</b>  | 50601784                              | 50601792 | 50601180   |                     | 50602357    | 30.2                  |                                      |
| 138.0 x 138.0  | 2.0                        | Hydr.**           | <b>506002349</b> | 50600230                              | 50600249 | 50601180   |                     | 50602357    | 30.2                  |                                      |

Round and special shape punches

## Special square punch with flattened corners



### Suitable for

- Mild steel (St37), plastic and aluminum up to 2.0 mm thick
- Punching of burr-free, clean and accurate holes

### Operation







- Manual and hydraulic

### Predrilling

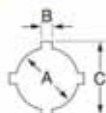
- 12.7 mm dia. pilot drill 50344102

### Scope of supply

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

| Punch<br>A x B | Max.<br>Material<br>thickness | Operating<br>mode | Complete<br>Unit<br> | Individual parts for manual operation   |   |   |   |   | Mounting<br>hole-dia. | Adapter for<br>hydr. punch<br>driver |
|----------------|-------------------------------|-------------------|---|---|---|---|---|---|-----------------------|--------------------------------------|
|                |                               |                   |   |  |  |  |  |  |                       |                                      |
| mm             | mm<br>(St37)                  |                   | Part No.  | Punch   | Die   | Draw studs  | Ball bearing<br>nut   | Counter nut   | mm                    | Part No.                             |
| 22.5 x 20.1    | 2.0                           | Hand/Hydr.        | <b>50611257</b>   | 50611264  | 50601271  | 52020113  | 50347330  | 50046381  | 12.7                  | 50339672                             |

## Round punch with four slots



### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.0 mm thick

### Operation







- Manual and hydraulic

### Predrilling

- 15.9 mm dia. pilot drill 50344030

### Scope of supply

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

| Punch<br>A x B x C | Max.<br>Material<br>thickness | Operating<br>mode | Complete<br>Unit<br> | Individual parts for manual operation   |   |   |   |   | Mounting<br>hole-dia. | Adapter for<br>hydr. punch<br>driver |
|--------------------|-------------------------------|-------------------|---|---|---|---|---|---|-----------------------|--------------------------------------|
|                    |                               |                   |   |  |  |  |  |  |                       |                                      |
| mm                 | mm<br>(St37)                  |                   | Part No.  | Punch   | Die   | Draw studs  | Ball bearing<br>nut   | Counter nut   | mm                    | Part No.                             |
| 22.5 x 3.2 x 25.4  | 2.0                           | Hand/Hydr.        | <b>50602381</b>   | 50602390  | 50602500  | 50601172  | 50601652  | 50602586  | 15.9                  | 50601679                             |
| 30.5 x 4.8 x 36.0  | 3.0                           | Hand/Hydr.        | <b>50602420</b>   | 50602438  | 50602497  | 50601172  | 50601652  | 50602586  | 15.9                  | 50601679                             |

**“D” special shape punch**
**Suitable for**

- Mild steel (St37), plastic and aluminum up to 2.0 mm thick

**Operation**

- Manual and hydraulic

**Predrilling**

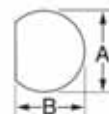
- 12.7 mm dia. pilot drill 50344102







**Scope of supply**

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

**Order info**

- \* 50610809 and 50610830 available only as punch unit



| Punch<br>A x B | Max.<br>Material<br>thickness | Operating<br>mode | Complete<br>Unit<br> | Individual parts for manual operation   |   |   |   |   | Mounting<br>hole-dia.<br>mm | Adapter for<br>hydr. punch<br>driver<br>Part No. |
|----------------|-------------------------------|-------------------|---|---|---|---|---|---|-----------------------------|--|
|                |                               |                   |   |  |  |  |  |  |                             |  |
| mm             | mm<br>(St37)                  |                   | Part No.  | Punch   | Die   | Draw studs  | Ball bearing<br>nut   | Counter nut   |                             | Part No.   |
| 12.7 x 11.9    | 2.0                           | Hand/Hydr.        | <b>50600770</b>   | 50600788  | 51600790  | 50601156  | 50601202  | 50052446  | 9.5                         | 50601148   |
| 15.9 x 15.1    | 2.0                           | Hand/Hydr.        | <b>50610809*</b>  |   |   | 50344218  | 50347330  | 50046381  | 12.7                        | 50339672   |
| 19.1 x 17.9    | 2.0                           | Hand/Hydr.        | <b>50610830*</b>  |   |   | 50344218  | 50347330  | 50046381  | 12.7                        | 50339672   |

**Double-“D” special shape punch**
**Suitable for**

- Mild steel (St37), plastic and aluminum up to 2.0 mm thick

**Operation**

- Manual and hydraulic

**Predrilling**

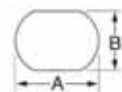
- 15.9 mm dia. pilot drill 50344030







**Scope of supply**

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

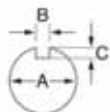
**Order info**

- All punches available only as punch unit



| Punch<br>A x B | Max.<br>Material<br>thickness | Operating<br>mode | Complete<br>Unit<br> | Individual parts for manual operation   |   |   |   |   | Mounting<br>hole-dia.<br>mm | Adapter for<br>hydr. punch<br>driver<br>Part No. |
|----------------|-------------------------------|-------------------|---|---|---|---|---|---|-----------------------------|--|
|                |                               |                   |   |  |  |  |  |  |                             |  |
| mm             | mm<br>(St37)                  |                   | Part No.  | Punch   | Die   | Draw studs  | Ball bearing<br>nut   | Counter nut   |                             | Part No.   |
| 19.5 x 16.3    | 2.0                           | Hand/Hydr.        | <b>50610861</b>   |   |   | 52020113  | 50347330  | 50046381  | 12.7                        | 50339672   |
| 20.2 x 17.6    | 2.0                           | Hand/Hydr.        | <b>50610892</b>   |   |   | 52020113  | 50347330  | 50046381  | 12.7                        | 50339672   |
| 23.2 x 19.2    | 2.0                           | Hand/Hydr.        | <b>50610922</b>   |   |   | 52020113  | 50347330  | 50046381  | 12.7                        | 50339672   |
| 23.2 x 20.2    | 2.0                           | Hand/Hydr.        | <b>50610953</b>   |   |   | 52020113  | 50347330  | 50046381  | 12.7                        | 50339672   |
| 34.9 x 28.6    | 2.0                           | Hand/Hydr.        | <b>50600982</b>   |   |   | 50601660  | 50601652  | 50602586  | 23.8                        | 50601679   |

## Keyway punch



### Suitable for

- Mild steel (St37), plastic and aluminum up to 2.0 mm thick

### Operation


- Manual and hydraulic

### Predrilling

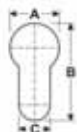
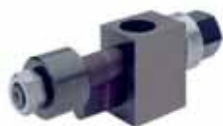
- 23.8 mm dia. pilot drill 50300083

### Scope of supply

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

| Punch<br>A x B x C | Max. Material thickness |            | Complete Unit<br> | Individual parts for manual operation |          |          |          |            | Mounting hole-dia. | Adapter for hydr. punch driver |
|--------------------|-------------------------|------------|--|---------------------------------------|----------|----------|----------|------------|--------------------|--------------------------------|
|                    | mm                      | mm (St37)  |  | Operating mode                        | Part No. | Punch    | Die      | Draw studs |                    |                                |
| 12.2 x 1.4 x 0.8   | 1.5                     | Hand/Hydr. | <b>50601016</b>  | 51601020                              | 51601030 | 50601156 | 50601202 | 50052446   | 9.5                | 50601148                       |
| 29.7 x 3.1 x 2.5   | 2.0                     | Hand/Hydr. | <b>50601040</b>  | 51601050                              | 51601060 | 50601660 | 50601652 | 50602586   | 23.8               | 50601679                       |
| 32.1 x 4.0 x 2.5   | 2.0                     | Hand/Hydr. | <b>50601075</b>  | 51601080                              | 51601090 | 50601660 | 50601652 | 50602586   | 23.8               | 50601679                       |
| 33.7 x 2.6 x 2.5   | 2.0                     | Hand/Hydr. | <b>50601105</b>  | 51601110                              | 50601121 | 50601660 | 50601652 | 50602586   | 23.8               | 50601679                       |

## Cylinder lock punch



### Suitable for

- Mild steel (St37) up to 1.5 mm thick and aluminum 3.5 mm

### Operation

- Manual and hydraulic

### Predrilling

- 12.7 mm dia. pilot drill 50344102

### Scope of supply

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut

| Punch<br>A x B x C | Max. Material thickness |            | Complete Unit<br> | Individual parts for manual operation |          |          |          |            |                  | Mounting hole-dia. | Adapter for hydr. punch driver |
|--------------------|-------------------------|------------|--|---------------------------------------|----------|----------|----------|------------|------------------|--------------------|--------------------------------|
|                    | mm                      | mm (St37)  |  | Operating mode                        | Part No. | Punch    | Die      | Draw studs | Ball bearing nut |                    |                                |
| 17.0 x 33.3 x 10.5 | 2.0                     | Hand/Hydr. | <b>50053078</b>  | 50053027                              | 50053035 | 50053043 | 50347330 | 90050113   | 50053051         | 12.7               | 50339672                       |

**Sub-Min "D" punch**
**Suitable for**

- Mild steel (St37) up to 1.5 mm thick and aluminum 3.5 mm
- Front or rear mounting

**Operation**

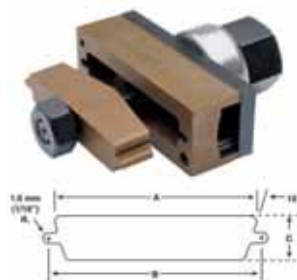
- Manual and hydraulic





**Predrilling**

- 12.7 mm dia. pilot drill 50344102

**Scope of supply**

- Complete system consisting of punch, die, draw stud, counter nut and ball-bearing nut



| Standard | Number Pole | Operating mode | Dimension |      |      | Complete Unit<br> | Individual parts for manual operation   |   |   | Adapter for hydr. punch driver<br>Part No. |
|----------|-------------|----------------|-----------|------|------|--|---|---|---|--|
|          |             |                | A mm      | B mm | C mm |  |  |  |  |  |
| 229      | 9           | Hand/Hydr.     | 20.0      | 24.9 | 11.9 | <b>50344366</b>  | 52020113  | 50347330  | 50046381  | 50339672                                   |
| 231      | 15          | Hand/Hydr.     | 28.6      | 33.3 | 11.9 | <b>50344374</b>  | 52020113  | 50347330  | 50046381  | 50339672                                   |
| RS232    | 25          | Hand/Hydr.     | 42.0      | 47.1 | 11.9 | <b>50344200</b>  | 52020113  | 50347330  | 50046381  | 50339672                                   |
| 234      | 37          | Hand/Hydr.     | 58.3      | 63.4 | 11.9 | <b>50344293</b>  | 52020113  | 50347330  | 50046381  | 50339672                                   |
| 238      | 50          | Hand/Hydr.     | 55.9      | 61.0 | 14.7 | <b>50344447</b>  | 52020113  | 50347330  | 50046381  | 50339672                                   |



### Special shape punches for heavy duty connectors



#### Characteristics

- Rectangular punches for heavy duty connectors feature a drilling jig built into the die, for drilling the 4 locating holes.

#### Suitable for

- Mild steel (St37) up to 3.0 mm thick and aluminum up to 3.5 mm

#### Operation

- Hydraulic

#### Predrilling

- 30.2 mm dia. pilot drill 50364146

#### Scope of supply

- Complete system consisting of punch, die, draw stud and counter nut

| Item  | Punch size<br>A x B<br>mm | Max. Material<br>thickness<br>mm | Operating mode | Complete<br>Unit<br>Part No. | Individual parts<br>for manual operation |             | Mounting<br>hole-dia.<br>mm |
|---|---------------------------|----------------------------------|----------------|------------------------------|--|-------------|-----------------------------|
|   |                           |                                  |                |                              | Punch                                    | Counter nut |                             |
| Special shape punch for heavy duty connectors 36 x 52 mm                      | 36.0 x 52.0               | 3.0                              | Hydraulic      | <b>52033816</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shape punch for heavy duty connectors 36 x 65 mm                      | 36.0 x 65.0               | 3.0                              | Hydraulic      | <b>52033817</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shape punch for heavy duty connectors 36 x 86 mm                      | 36.0 x 86.0               | 3.0                              | Hydraulic      | <b>52033818</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shape punch for heavy duty connectors 36 x 91 mm                      | 36.0 x 91.0               | 3.0                              | Hydraulic      | <b>52033819</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shape punch for heavy duty connectors 36 x 112 mm                     | 36.0 x 112.0              | 3.0                              | Hydraulic      | <b>52033820</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shape punch for heavy duty connectors 46 x 86 mm                      | 46.0 x 86.0               | 3.0                              | Hydraulic      | <b>52033831</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shape punch for heavy duty connectors 46 x 112 mm                     | 46.0 x 112.0              | 3.0                              | Hydraulic      | <b>52033832</b>              | 52033836                                 | 52033844    | 30.2                        |
| Special shaped punch HAN Yellock® 30 with 4 centre mark points 47.2 x 56.4 mm | 47.2 x 56.4               | 3.0 / 3.0 VA                     | Hydraulic      | <b>52058591**</b>            | 52033836                                 | 52033844    | 30.2                        |
| Special shaped punch HAN Yellock® 30 with 4 centre mark points 47.2 x 56.4 mm | 47.2 x 85.5               | 3.0 / 3.0 VA                     | Hydraulic      | <b>52058592**</b>            | 52033836                                 | 52033844    | 30.2                        |

**Draw studs for shaped punch**
**Order info**

- To increase the service life, we recommend greasing the draw studs with Greenlee installation paste no. 50115472
- Sizes given in diameter x length
- Subject to tolerance deviations

| Item                                    | Part No. |
|---|----------|
| Draw stud for shape punch 19 x 117 mm   | 50601180 |
| Draw stud for shape punch 12.7 x 117 mm | 50601660 |
| Draw stud for shape punch 12.7 x 117 mm | 50601172 |
| Draw stud for shape punch 9.5 x 135 mm  | 50053043 |
| Draw stud for shape punch 9.5 x 93 mm   | 50601130 |
| Draw stud for shape punch 9.5 x 95 mm   | 51601160 |
| Draw stud for shaped punch 9.5 x 88 mm  | 52020113 |
| Draw stud for shape punch 6.3 x 87 mm   | 50601156 |



## *Force for punched holes to 143.7 mm.*

### **Hydraulic punches for manual and battery powered operation.**

No matter whether hand, foot or battery powered, all hydraulic punches serve just one purpose: punching holes. Yet, contrary to popular belief, personal preferences have very little to do with choosing a punch. The punches are suitable for various applications or for holes up to certain sizes.

In addition, each punch has its own particular features that come into their own depending on the application.



- Hydraulic punches for hand operation with straight head.
- Hydraulic punches for hand operation with angled and rotating head.
- Hydraulic punches for foot operation.
- Hydraulic punches for battery and mains operation.



*Greenlee punching tools permit punching operations in various shapes and sizes.*

## ■ Battery powered punch for every angle: *LS 50-L FLEX*

- ▶ Head rotatable through 360°.
- ▶ Compact design with high punching force of 60 kN and automatic limit switch.

### Benefits:

- ▶ Effortless operations even in difficult areas thanks to ergonomic and lightweight design.
- ▶ Can be used with all Greenlee round and special shaped punches.
- ▶ The integrated control preserves the tools and significantly increases service life, thereby saving you money.



## ■ *LS 60-L: Punches 60 mm (PG48) holes in 8 seconds and shuts off automatically.*





- ▶ Punches 60 mm (PG48) holes in ST37 up to 3 mm in just 8 seconds.
- ▶ **Integrated micro processor control shuts off motor once punching operation is complete.**

### Benefits:

- ▶ Considerably faster punching operations save you time.
- ▶ The integrated control **preserves the tools and significantly increases service life**, thereby saving you money.

▶ More on Page 549.

## ■ Features of hydraulic punches.

|  | Hand operation | Foot operation | Battery/mains operation | Max. hole, round | Max. hole, square | Max. punching force | Auto-matic shut-off |
|--|----------------|----------------|-------------------------|------------------|-------------------|---------------------|---------------------|
| Quick Draw™                     | ✓              |                |                         | 64 mm            | 68 x 68 mm        | 80 kN               |                     |
| Quick Draw™ 90°                 | ✓              |                |                         | 64 mm            | 68 x 68 mm        | 80 kN               |                     |
| LS 50-L FLEX                    |                |                | ✓                       | 143.7 mm         | 104.8 x 104,8 mm  | 60 kN               | ✓                   |
| LS 60-L                         |                |                | ✓                       | 96 mm            | 104.8 x 104,8 mm  | 60 kN               | ✓                   |
| Hydraulic punch with hand pump  | ✓              |                |                         | 143.7 mm         | 138 x 138 mm      | 110 kN              |                     |
| Hydraulic punch with foot pump  |                | ✓              |                         | 143.7 mm         | 138 x 138 mm      | 110 kN              |                     |

### Speed Nut



► Up to 3 x faster then conventional punch draw stud setup

#### Characteristics

- Compatible with all Greenlee hand hydraulic and battery powered punch drivers
- Simple operation and great time-saving due to quick-lock system
- Suitable for all rectangular punches up to 33.3 x 66.7 mm and square punches up to 46.0 x 46.0 mm

| Item                        | Part No.      |      |
|-----------------------------|---------------|------|
| Speed Nut Set               | <b>SLSN34</b> |      |
| Scope of supply             | Part No.      | Page |
| Speed Nut draw stud         | SLSNDS34      | 546  |
| Quick-lock bajonet coupling | SLSNN34       | 546  |

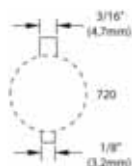
### Keyway punch



► Time-saving punching of slots for anti-twist protected parts

#### Suitable for

- Mild steel (St37) up to 3 mm thick
- Manual operation



| Item         | Part No.        |
|--------------|-----------------|
| Keyway punch | <b>50265342</b> |

| Accessories                  | Art-Nr.  | Seite |
|------------------------------|----------|-------|
| Spare punch for keyway punch | 50265369 | 546   |
| Spare die for keyway punch   | 50265385 | 546   |

**Hydraulic punch driver Quick Draw™ 7804E**

- ▶ Perfect for fast, straight on panel punching
- ▶ Develops 8 tons of hydraulic force for easy punching

**Characteristics**

- Hand hydraulic punch driver with straight head

**Suitable for**

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64 mm dia.)

| Technical data   |                   |      |
|--|-------------------|------|
| Dimension  | 321 x 110 x 70 mm |      |
| Punching force   | 80 kN             |      |
| Weight   | 2.5 kg            |      |
| Item   | Art.-Nr.          |      |
| Quick Draw™ 7804E  | <b>50342916</b>   |      |
| Scope of supply  | Part No.          | Page |
| Hand hydraulic punch 7804E                               | 50342886          | 547  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm | 51300430          | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm          | 50318721          | 535  |
| Spacer bush, short                                       | 50032488          | 547  |
| Adapter 19.0 x 48 mm with internal thread 9,5 mm         | 50339672          | 535  |
| Plastic case   | 50352024          | 547  |


**Hydraulic punch driver Quick Draw 90™ 7904E**

- ▶ Perfect for fast, straight-on front panel punching
- ▶ Head rotates 180° allows greater versatility in tight spaces

**Characteristics**

- Compact design
- Hand hydraulic punch driver with 90° head

**Suitable for**

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64 mm dia.)

| Technical data   |                   |      |
|--|-------------------|------|
| Dimension  | 312 x 110 x 65 mm |      |
| Punching force   | 80 kN             |      |
| Weight   | 3.35 kg           |      |
| Item   | Part No.          |      |
| Quick Draw 90™ 7904E                                     | <b>50342991</b>   |      |
| Scope of supply  | Part No.          | Page |
| Hand hydraulic punch 7904E                               | 50337866          | 547  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm | 51300430          | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm          | 50318721          | 535  |
| Spacer bush, short                                       | 50032488          | 547  |
| Adapter 19.0 x 48 mm with internal thread 9,5 mm         | 50339672          | 535  |
| Plastic case   | 50352024          | 547  |



### Hand hydraulic driver



► Flexible head allows greater versatility in tight spaces

#### Characteristics

- Unlimited driver orientation

#### Suitable for

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64 mm dia.)

#### Order info

- Knockout punches not included
- Without punch

| Technical data  |                   |      |
|---|-------------------|------|
| Dimension   | 340 x 150 x 85 mm |      |
| Punching force  | 80 kN             |      |
| Weight  | 5 kg              |      |
| Revolving/rotatable                                       | 360°              |      |
| Item  | Part No.          |      |
| Hand hydraulic punching set                               | <b>52033843</b>   |      |
| Scope of supply   | Part No.          | Page |
| Draw stud for hydraulic operation 9.5 mm to 19 mm, 122 mm | 52042827          | 535  |
| HSS Co5 step bit  | 52049371          | 548  |
| Spacer bush, short  | 50032488          | 547  |
| Plastic case  |                   |      |

## LS 60-L Battery powered hydraulic punching tool

- ▶ Automatic stop makes the punching tools last longer
- ▶ Lithium-ion technology allows long operating times and short recharging times

### Characteristics

- Battery-Powered punch driver with microprocessor
- Automatic retraction
- Automatic battery charge status recognition

### Suitable for

- Punches up to 104.8 x 104.8 mm St37 2.0 mm
- Punches 92 x 92 mm or 46 x 92 mm, 68 x 68 mm or ISO 63 (64 mm dia.) round in St37 3 mm
- Suitable for 96 mm round - St37 2.5 mm
- Suitable for Slug Splitter up to 64 mm round - 2.5 mm stainless steel

| Technical data        |   |
|-----------------------|---|
| Punching force        | 60 kN   |
| Weight                | 3.9 kg  |
| Battery capacity      | 3 Ah (RAL2 / BL1830)  |
| Charging time         | 22 min. (RAL2 / BL1830)   |
| Punching time         | 5 s at 22,5 mm dia., 3 mm mild steel<br>12 s at 61,5 mm dia., 3 mm mild steel   |
| Ambient temperature   | -15 to +40 °C   |
| Head outside diameter | 73 mm   |
| Dimensions            | 325 x 285 x 80 mm   |
| Punching capacity     | 90 punches/battery at 22.5 mm dia. and 3.5 mm mild steel<br>170 punches/battery at 2,5 mm dia. and 3.5 mm mild steel<br>250 punches/battery at 22.5 mm dia. and 2.5 mm mild steel |

| Item   | Part No.     |      |
|--|--------------|------|
| Battery-operated hydraulic punch driver LS 60-L          | <b>LS60L</b> |      |
| Scope of supply  | Part No.     | Page |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm | 51300430     | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm          | 50318721     | 535  |
| Spacer bush, short                                       | 50032488     | 547  |
| Adapter 19.0 x 48 mm with internal thread 9,5 mm         | 50339672     | 535  |
| HSS Co5 step bit   | 52049371     | 548  |
| KKLS60LGL Plastic case                                   | KKLS60LGL    | 549  |
| Quick-charger for 18V Li-Ion batteries, 230 V            | LGL1         | 400  |
| Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)                    | RAL2         | 316  |

| Accessories                          | Part No. | Page |
|--------------------------------------|----------|------|
| 18 V mains adapter for 240 V Voltage | NG2230   | 399  |
| EU plug                              |          |      |





### LS 50-L Flex Battery powered hydraulic punching tool



- ▶ High flexibility using 360° rotating head
- ▶ Lithium-ion technology allows long operating times and short recharging times
- ▶ Automatic stop makes the punching tools last longer

#### Characteristics

- Battery-powered punch driver with microprocessor
- Automatic retraction
- Automatic battery charge status recognition

#### Suitable for

- Punches up to 104.8 x 104.8 mm St37 2.0 mm
- Punches 92 x 92 mm or 46 x 92 mm, 68 x 68 mm or ISO 63 (64 mm dia.) round in St37 3 mm
- Suitable for 144,1 mm round - St37 2.5 mm
- Suitable for Slug Splitter up to 64 mm round - 2.5 mm stainless steel

#### Order info

- Complete set incl. draw stud, pilot drill and spacer bush, battery and charger in case
- LBOXXLS50LFLEX: identical content, but in Sortimo L-BOXX



LS50LFLEX



LBOXXLS50LFLEX

| Technical data      |  |
|---------------------|--|
| Capacity            | 120 punch operations at Ø 22.5 mm, 3.4 mm mild steel resp.<br>190 punch operations at Ø 22.5 mm, 3 mm mild steel<br>280 punch operations at Ø 22.5 mm, 2.5 mm mild steel |
| Punching force      | 60 kN  |
| Weight              | 2.1 kg   |
| Battery voltage     | 18 V DC V  |
| Battery capacity    | 3 (RAL2/BL1830) or 1.5 (RAL1/BL1815)   |
| Charging time       | 22 min. (RAL2/BL1830) or 15 min. (RAL1/BL1815)   |
| Punching time       | 5 s at 22.5 mm dia., 3 mm mild steel<br>6 s at 63.5 mm dia., 3 mm mild steel   |
| Hydraulic oil       | Rivolta S.B.H. 11  |
| Ambient temperature | -15 to +40 °C  |
| Dimensions          | 340 x 115 x 80 mm  |

| Item   | Part No.         | Page |
|--|------------------|------|
| Battery powered hydraulic punch driver LS 50-L FLEX      | <b>LS50LFLEX</b> |      |
| Scope of supply  | Part No.         | Page |
| Quick-charger for 18V Li-Ion batteries, 230 V            | LGL1             | 400  |
| Battery 18 V / 3.0 Ah, Li-Ion (54 Wh)                    | RAL2             | 316  |
| Draw stud for hydraulic operation 19.0 x 105 mm          | 50318721         | 535  |
| Spacer bush, short                                       | 50032488         | 547  |
| HSS Co5 step bit   | 52049371         | 548  |
| Adapter 19.0 x 48 mm with internal thread 9,5 mm         | 50339672         | 535  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm | 51300430         | 535  |
| Plastic case   | KK50LFLEX        |      |

| Accessories                          | Part No. | Page |
|--------------------------------------|----------|------|
| 18 V mains adapter for 240 V Voltage | NG2230   | 399  |
| EU plug                              |          |      |

| Variants   | Part No.        | Page |
|--|-----------------|------|
| L-BOXX with flexible battery powered hydraulic punch LS50LFLEX | LBOXXLS50L-FLEX | 550  |

## Hydraulic punch driver with hand pump

► Compact design

### Characteristics

- With hand pump, hose and cylinder
- Covers ranges up to 138 x 138 mm

### Suitable for

- All punches up to 143.7 mm round and 138 x 138 mm square
- Suitable for mild steel up to 3.5 mm St37 and 3.5 mm V2A (depending on punch size)

### Operation

- Hydraulic



| Technical data   |                 |      |
|--|-----------------|------|
| Punching force   | 110 kN          |      |
| Weight   | 8.3 kg          |      |
| Item   | Part No.        |      |
| Hydraulic punch driver with hand pump, hose and cylinder       | <b>50159062</b> |      |
| Scope of supply  | Part No.        | Page |
| Hydraulic cylinder   | 50170910        | 551  |
| Draw stud for hydraulic operation 9.5 mm to 19 mm dia., 122 mm | 52042827        | 535  |
| Spacer bush, short   | 50032488        | 547  |
| Spacer bush, medium  | 51032490        | 551  |
| Spacer bush 38 mm, long  | 50069047        | 551  |
| Kwik Stepper™ step bit 12.7 mm                                 | 50344102        | 551  |
| 767 Hydraulic hand pump  | 50132849        | 551  |
| Hydraulic hose, 0.9 m  | 50063022        | 551  |
| Draw stud for hydraulic operation 19.0 x 137 mm                | 52045040        | 535  |



### Hydraulic punch driver with foot pump



#### Characteristics

- With foot pump, hose and cylinder
- Covers ranges up to 138 x 138 mm

#### Suitable for

- For all punches
- Up to 143.7 mm round and 138 x 138 mm square
- Suitable for mild steel up to 3.5 mm St37 and 3.5 mm V2A (depending on punch size)

#### Operation

- Hydraulic

| Technical data   |                 |      |
|--|-----------------|------|
| Punching force   | 110 kN          |      |
| Weight   | 15.2 kg         |      |
| Item   | Part No.        |      |
| Hydraulic punch driver with foot pump, hose and cylinder       | <b>50250973</b> |      |
| Scope of supply  | Part No.        | Page |
| Hydraulic cylinder   | 50170910        | 551  |
| Spacer bush, short   | 50032488        | 547  |
| Spacer bush, medium  | 51032490        | 551  |
| Spacer bush 38 mm, long  | 50069047        | 551  |
| Kwik Stepper™ step bit 12.7 mm                                 | 50344102        | 551  |
| 1725 Hydraulic foot pump                                       | 50313533        | 552  |
| Hydraulic hose   | 50377299        | 552  |
| Draw stud for hydraulic operation 9.5 mm to 19 mm dia., 122 mm | 52042827        | 535  |
| Draw stud for hydraulic operation 19.0 x 137 mm                | 52045040        | 535  |

### Assembly paste

- ▶ Increases the service life
- ▶ Prevents "seizing"
- ▶ Screws and nuts threads resistant to wear



#### Suitable for

- Statically and dynamically high stressed thread connections

| Item                | Part No.        |
|---------------------|-----------------|
| Assembly paste, 30g | <b>50115472</b> |

**Portable C-frame punch driver, 15.2 - 34.6 mm**

► Fast, one shot punching - no pre-drilling of pilot holes required

**Order info**

- For actuation we recommend hydraulic foot pump 1725, Part No. 50313533, hand pump 767, Part No. 50132849 or electro-hydraulic pump Part No. 50052799
- When using AHP700L the adapter CMGSK is required



| Technical data    |                 |
|-------------------|-----------------|
| Throat            | 200 mm          |
| Weight            | 6.8 kg          |
| Punching capacity | up to 3 mm St37 |
| Punching range    | 15.2 - 34.6 mm  |

| Item                               | Part No.        |
|------------------------------------|-----------------|
| Portable C-frame punch driver 1731 | <b>50159119</b> |

| Scope of supply      | Part No. | Page |
|----------------------|----------|------|
| Punch adapter 9.5 mm | 50132768 | 553  |
| Punch adapter 19 mm  | 50132776 | 553  |
| Punch Pg 16          | 51040060 | 553  |
| Punch Pg 21          | 51040080 | 553  |
| Punch 34.6 mm        | 50040103 | 553  |
| Die Pg 16 (22.5 mm)  | 50120875 | 553  |
| Die Pg 21 (28.3 mm)  | 50120867 | 553  |
| Die 34.6 mm          | 50120859 | 553  |
| Metal case           | 50166344 | 553  |

| Accessories               | Part No. | Page |
|---------------------------|----------|------|
| Punch Pg 9 (15.2 mm)      | 50213164 | 553  |
| Die Pg 9 (15.2mm)         | 50185578 | 553  |
| Punch Pg 11 (18.6 mm)     | 50177001 | 553  |
| Die Pg 11 (18.6 mm)       | 50185586 | 553  |
| Punch Pg 13 (20.4 mm)     | 50176978 | 553  |
| Die Pg 13 (20.4 mm)       | 50185594 | 553  |
| Punch 30.5 mm (oil-tight) | 50362828 | 553  |
| Die 30.5 mm (oil-tight)   | 50371037 | 553  |
| Die ISO 16                | 50766421 | 553  |
| Die ISO 20                | 50766438 | 553  |
| Die ISO 25                | 50766445 | 553  |
| Die ISO 32                | 50766452 | 553  |
| Punch ISO 16              | 50351931 | 553  |
| Punch ISO 25              | 50039865 | 553  |
| Punch ISO 32              | 50244590 | 553  |

## Portable C-frame punch driver, 15.2 - 115.4 mm



### Suitable for

- For use with standard punches and dies, punching range 15.2 to 115.4 mm

### Order info

- For actuation we recommend hydraulic hand pump 755, Part No. 50156772 or electro-hydraulic pump 50052799
- When using AHP700L the adapter CMGSK is required

| Technical data    |                   |
|-------------------|-------------------|
| Throat            | 200 mm            |
| Weight            | 27 kg             |
| Punching capacity | up to 3 mm St37   |
| Punching range    | 15.2 bis 115.4 mm |

| Item                               | Part No.        |      |
|------------------------------------|-----------------|------|
| Portable C-frame punch driver 1732 | <b>50273612</b> |      |
| Scope of supply                    | Part No.        | Page |
| Die adapter 9.5 mm                 | 50117912        | 554  |
| Die adapter 19 mm                  | 50117904        | 554  |
| Die adapter 28.6 mm                | 50117890        | 554  |
| Die adapter 9.5 mm                 | 50132660        | 554  |
| Die adapter 19 mm                  | 50132679        | 554  |
| Die adapter 28.6 mm                | 50132687        | 554  |
| Hexagonal nut                      | 90542657        | 554  |
| Metal case                         | 50273353        | 554  |

| Accessories               | Part No. | Page |
|---------------------------|----------|------|
| Punch Pg 9 (15.2 mm)      | 50213164 | 553  |
| Die Pg 9 (15.2mm)         | 50185578 | 553  |
| Punch Pg 11 (18.6 mm)     | 50177001 | 553  |
| Die Pg 11 (18.6 mm)       | 50185586 | 553  |
| Punch Pg 13 (20.4 mm)     | 50176978 | 553  |
| Die Pg 13 (20.4 mm)       | 50185594 | 553  |
| Punch 30.5 mm (oil-tight) | 50362828 | 553  |
| Die 30.5 mm (oil-tight)   | 50371037 | 553  |
| Die ISO 16                | 50766421 | 553  |
| Die ISO 20                | 50766438 | 553  |
| Die ISO 25                | 50766445 | 553  |
| Die ISO 32                | 50766452 | 553  |
| Punch ISO 16              | 50351931 | 553  |
| Punch ISO 25              | 50039865 | 553  |
| Punch ISO 32              | 50244590 | 553  |

## LSK 120 Hydraulic hole punching head - basic tool

- ▶ Fast and precise cutting
- ▶ Punching in just a few seconds
- ▶ Compact design permits working in tight areas

### Suitable for

- For punching aluminum and copper up to 10 mm thick.
- Hole diameters: 6.5 - 17 mm
- Centric punching: 120 mm max. material width
- Drive with EHP 4 and AHP 700-L available

### Order info

- Operation with EHP 4 and AHP 700-L adapter CMGSK required



| Technical data          |                   |
|-------------------------|-------------------|
| Max. operating pressure | max. 700 bar      |
| Max. compressive force  | 160 kN            |
| Dimension               | 234 x 174 x 88 mm |
| Weight                  | approx. 9.5 kg    |

| Item                                 | Part No.        |
|--------------------------------------|-----------------|
| Hydraulic hole punching head LSK 120 | <b>50052110</b> |

| Accessories            | Part No. | Page |
|------------------------|----------|------|
| Punch and die Ø 6.5 mm | 50052276 | 555  |
| Punch and die Ø 8.5 mm | 50052284 | 555  |
| Punch and die Ø 11 mm  | 50052292 | 555  |
| Punch and die Ø 13 mm  | 50052306 | 555  |
| Punch and die Ø 15 mm  | 50052314 | 555  |
| Punch and die Ø 17 mm  | 50052322 | 555  |



### Slug Buster® punch set for all applications from ISO 16 - 40



#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Manual

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

| Item   | Part No.        |      |
|--|-----------------|------|
| Slug Buster® punch set ISO 16 - 40             | <b>50366920</b> |      |
| Scope of supply                                | Part No.        | Page |
| Slug Buster® punch set ISO 16/20/25/32/40      | 50356178SET     | 563  |
| Draw studs for manual operation Ø 9.5 x 40 mm  | 50000420        | 534  |
| Draw studs for manual operation Ø 19.0 x 55 mm | 50040405        | 534  |
| Ratchet  | 50349414        | 556  |
| Kwik Stepper™ step bit 9.7 mm                  | 50360183        | 556  |
| Plastic case                                   | 50366858        | 556  |

### Slug Buster® punch set for all applications from PG 9 to PG 21 and 30.5 mm



#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Manual

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

| Item  | Part No.        |      |
|---|-----------------|------|
| Slug Buster® punch set PG 9 - PG 21 and 30.5 mm | <b>50366904</b> |      |
| Scope of supply                                 | Part No.        | Page |
| Slug Buster® punch set PG 9 - PG 21, 30.5 mm    | 50323989SET     | 564  |
| Draw studs for manual operation 9.5 x 40 mm     | 50000420        | 534  |
| Ratchet   | 50349414        | 556  |
| Kwik Stepper™ step bit 9.7 mm                   | 50360183        | 556  |
| Plastic case                                    | 50366858        | 556  |

**Slug Buster® punch set for ISO 16 - 63**
**Suitable for**

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

**Operation**

- Manual

**Predrilling**

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030



| Item   | Part No.        |      |
|--|-----------------|------|
| Slug Buster® punch set ISO 16 - 63           | <b>50366939</b> |      |
| Scope of supply                              | Part No.        | Page |
| Slug Buster® punch set ISO 16 - 63           | 50068920SET     | 563  |
| Draw studs for manual operation 9.5 x 40 mm  | 50000420        | 534  |
| Draw studs for manual operation 19.0 x 55 mm | 50040405        | 534  |
| Ratchet                                      | 50349414        | 556  |
| Kwik Stepper™ step bit 9.7 mm                | 50360183        | 556  |
| Plastic case                                 | 50366858        | 556  |

**Slug Buster® punch set for all applications from PG 9 - 48 and 30.5 mm**
**Suitable for**

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

**Operation**

- Manual

**Predrilling**

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030



| Item  | Part No.        |      |
|---|-----------------|------|
| Slug Buster® punch set PG 9 - PG 48 and 30.5 mm | <b>50366912</b> |      |
| Scope of supply                                 | Part No.        | Page |
| Draw studs for manual operation 9.5 x 40 mm     | 50000420        | 534  |
| Draw studs for manual operation 19.0 x 55 mm    | 50040405        | 534  |
| Ratchet   | 50349414        | 556  |
| Slug Buster® punch set PG 9 - PG 48, 30.5 mm    | 50328034SET     | 557  |
| Plastic case                                    | 50366858        | 556  |



### Speed Punch™ set ISO 16 - 40



- ▶ Up to 3x faster than conventional punching tools
- ▶ Quick and easy handling because there is no screwing and unscrewing the lock nut needed
- ▶ Compatible with all Greenlee hydraulic and battery powered punch drivers

#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- hydraulic

#### Predrilling

- Draw studs 9.5 mm, pilot drill 9.7 mm 50360183  
Draw studs 19 mm, pilot drill 20.5 mm 50344030

#### Scope of supply

- Complete system consisting of draw stud, speed lock, punch and die in 5 sizes including plastic case

| Item   | Part No.        |      |
|--|-----------------|------|
| Slug Buster® punch set ISO 16 - 40                       | <b>50366920</b> |      |
| Description  | Part No.        | Page |
| Punch & Die ISO 16 (16,2 mm)                             | 52055431        | 534  |
| Punch & Die ISO 20 (20,4 mm)                             | 52055432        | 534  |
| Punch & Die ISO 25 (25,4 mm)                             | 52055434        | 534  |
| Punch & Die ISO 32 (32,5 mm)                             | 52055435        | 534  |
| Punch & Die ISO 40 (40,5 mm)                             | 52055436        | 534  |
| SPEED LOCK & Draw stud 9,5 mm for ISO 16/20/25 and PG 16 | 52055439        | 534  |
| SPEED LOCK & Draw stud 9,5 mm for ISO 32/40/50/63        | 52055440        | 534  |
| Plastic case   | KKSPISO16B63    |      |

**Speed Punch™ set ISO 16 - 63**

- ▶ Up to 3x faster than conventional punching tools
- ▶ Quick and easy handling because there is no screwing and unscrewing the lock nut needed
- ▶ Compatible with all Greenlee hydraulic and battery powered punch drivers

**Suitable for**

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

**Operation**

- hydraulic

**Predrilling**

- Draw studs 9,5 mm, pilot drill 9,7 mm 50360183  
 Draw studs 19 mm, pilot drill 20,5 mm 50344030

**Scope of supply**

- Complete system consisting of draw stud, speed lock, punch and die in 7 sizes including plastic case

| Item   | Part No.           |      |
|--|--------------------|------|
| Speed Punch™ set ISO 16 – 63                             | <b>52055440SET</b> |      |
| Scope of supply  | Part No.           | Page |
| Punch & Die ISO 16 (16,2 mm)                             | 52055431           | 534  |
| Punch & Die ISO 20 (20,4 mm)                             | 52055432           | 534  |
| Punch & Die ISO 25 (25,4 mm)                             | 52055434           | 534  |
| Punch & Die ISO 32 (32,5 mm)                             | 52055435           | 534  |
| Punch & Die ISO 40 (40,5 mm)                             | 52055436           | 534  |
| Punch & Die ISO 50 (50,8 mm)                             | 52055437           | 534  |
| Punch & Die ISO 63 (64,0 mm)                             | 52055438           | 534  |
| SPEED LOCK & Draw stud 9,5 mm for ISO 16/20/25 and PG 16 | 52055439           | 534  |
| SPEED LOCK & Draw stud 9,5 mm for ISO 32/40/50/63        | 52055440           | 534  |
| Plastic case   | KKSPISO16B63       |      |


**SLUG-SPLITTER® punch set (stainless steel) ISO 16 - 40**

- ▶ Unique punch profile
- ▶ Split slugs fall free and can be removed easily

**Suitable for**

- Stainless steel (V2A), mild steel (St37), plastic and aluminum up to 3.5 mm thick

**Operation**

- Hydraulic

**Predrilling**

- Draw stud 19 mm, pilot drill 20.5 mm dia. 50344030  
 Draw stud 11.1 mm, pilot drill 12.7 mm dia. 50344102

| Item  | Part No.        |      |
|---|-----------------|------|
| Slug Splitter® punch set (stainless steel) ISO 16/20/25/32/40   | <b>50766803</b> |      |
| Scope of supply   | Part No.        | Page |
| SLUG-SPLITTER® punch set (stainless steel) 16.2 mm              | 50069527        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 20.4 mm              | 50069543        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 25.4 mm              | 50069560        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 32.5 mm              | 50069594        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 40.5 mm              | 50069616        | 533  |
| Draw stud for hydraulic operation 11.1 mm to 19 mm dia., 108 mm | 50294512        | 535  |
| Draw stud for hydraulic operation 19 x 140 mm                   | 50294520        | 535  |
| Plastic case  | KKSSISO16B63    |      |



## SLUG-SPLITTER® punch set (stainless steel) ISO 16 - 63



- ▶ Unique punch profile
- ▶ Split slugs fall free and can be removed easily

### Suitable for

- Stainless steel (V2A), mild steel (St37), plastic and aluminum up to 3.5 mm thick

### Operation

- Hydraulic

### Predrilling

- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030
- Draw stud 11.1 mm dia., pilot drill 12.7 mm dia. 50344102

| Item  | Part No.        |      |
|---|-----------------|------|
| Slug Splitter® punch set (stainless steel) ISO 16/20/25/32/40/50/63 | <b>50766797</b> |      |
| Scope of supply   | Part No.        | Page |
| SLUG-SPLITTER® punch set (stainless steel) 16.2 mm                  | 50069527        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 20.4 mm                  | 50069543        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 25.4 mm                  | 50069560        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 32.5 mm                  | 50069594        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 40.5 mm                  | 50069616        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 50.8 mm                  | 50069632        | 533  |
| SLUG-SPLITTER® punch set (stainless steel) 64 mm                    | 50069667        | 533  |
| Draw stud for hydraulic operation 11.1 mm to 19 mm dia., 108 mm     | 50294512        | 535  |
| Draw stud for hydraulic operation 19 x 140 mm                       | 50294520        | 535  |
| Plastic case  | KKISO16B63      |      |

## Slug Buster® hand hydraulic punch driver set PG 9 - 21, 30.5 mm



### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

### Operation

- Hydraulic

### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

| Item  | Part No.           |      |
|---|--------------------|------|
| Slug Buster® hand hydraulic punch driver set PG 9 - PG 21 and 30.5 mm | <b>50356119SET</b> |      |
| Scope of supply   | Part No.           | Page |
| Hand hydraulic punch 7804E  | 50342886           | 547  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm              | 51300430           | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm                       | 50318721           | 535  |
| Spacer short  | 50032488           | 547  |
| Adapter 19.0 dia. x 48 mm with internal thread 9.5 mm                 | 50339672           | 535  |
| Slug Buster® punch set PG 9 - PG 21, 30.5 mm                          | 50323989SET        | 556  |
| Plastic case  | 50352024           | 547  |

## Slug Buster® hand hydraulic punch driver set 90° PG 9 - 21, 30.5 mm

### Suitable for

- Suitable for mild steel (ST37), plastic and aluminum up to 3.5 mm thick

### Operation

- Hydraulic

### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030



| Item  | Part No.           |      |
|---|--------------------|------|
| Slug Buster® hand hydraulic punch driver set PG 9 - PG 21 and 30.5 mm | <b>50356151SET</b> |      |
| Scope of supply   | Part No.           | Page |
| Hand hydraulic punch 7904E  | 50337866           | 547  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm              | 51300430           | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm                       | 50318721           | 535  |
| Spacer, short   | 50032488           | 547  |
| Adapter 19.0 dia. x 48 mm with internal thread 9.5 mm                 | 50339672           | 535  |
| Slug Buster® punch set PG 9 - PG 21, 30.5 mm                          | 50323989SET        | 556  |
| Plastic case  | 50352024           | 547  |

## Slug Buster® hand hydraulic punch driver set ISO 16 - 40

### Suitable for

- Suitable for mild steel (ST37), plastic and aluminum up to 3.5 mm thick

### Operation

- Hydraulic

### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030



| Item   | Part No.           |      |
|--|--------------------|------|
| Slug Buster® hand hydraulic punch driver set ISO 16 - 40 | <b>50356143SET</b> |      |
| Scope of supply  | Part No.           | Page |
| Hand hydraulic punch 7804E                               | 50342886           | 547  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm | 51300430           | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm          | 50318721           | 535  |
| Spacer, short  | 50032488           | 547  |
| Adapter 19.0 x 48 mm with internal thread 9.5 mm         | 50339672           | 535  |
| Slug Buster® punch set ISO 16/20/25/32/40                | 50356178SET        | 556  |
| Plastic case   | 50352024           | 547  |

### Slug Buster® hand hydraulic punch driver set 90° ISO 16 - 40



#### Suitable for

- Suitable for mild steel (ST37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Hydraulic

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183  
 Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

| Item   | Part No.           |      |
|--|--------------------|------|
| Slug Buster® hand hydraulic punch driver set ISO 16 - 40 | <b>50356160SET</b> |      |
| Scope of supply  | Part No.           | Page |
| Hand hydraulic punch 7904E                               | 50337866           | 547  |
| Draw stud for punch with hydraulic operation 9.5 x 71 mm | 51300430           | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm          | 50318721           | 535  |
| Spacer, short  | 50032488           | 547  |
| Adapter 19.0 x 48 mm with internal thread 9.5 mm         | 50339672           | 535  |
| Slug Buster® punch set ISO 16/20/25/32/40                | 50356178SET        | 556  |
| Plastic case   | 50352024           | 547  |

### Hand hydraulic punching set 90° ISO 16 - 40



► Flexible head allows greater versatility in tight spaces

#### Suitable for

- Special shape punches up to a maximum size of 68 x 68 mm or 35 x 65 mm
- Round punches up to ISO 63 (64 mm dia.)

| Item  | Part No.        |      |
|---|-----------------|------|
| Hand hydraulic punching set ISO 16 - 40                   | <b>52034233</b> |      |
| Scope of supply   | Part No.        | Page |
| Slug Buster® punch set ISO 16/20/25/32/40                 | 50356178SET     | 556  |
| Draw stud for hydraulic operation 9.5 mm to 19 mm, 122 mm | 52042827        | 535  |
| Draw stud for hydraulic operation 19.0 x 105 mm           | 50318721        | 535  |
| Spacer, short   | 50032488        | 547  |
| HSS Co5 step bit  | 52049371        | 548  |
| Plastic case  |                 |      |

**Slug Buster® punch set ISO 16 - 40**

- ▶ For quick, clean, effortless and burr-free holes
- ▶ Split slugs fall free and can be removed easily

**Suitable for**

- Mild steel (St37), plastic and aluminum up to 3.0 mm thick

**Operation**

- Manual and hydraulic

**Predrilling**

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

**Scope of supply**

- Complete system consisting of punches, dies and plastic case in 5 sizes



| Item                                      | Part No.           |
|---|--------------------|
| Slug Buster® punch set ISO 16/20/25/32/40 | <b>50356178SET</b> |

| Accessories  | Part No.   | Page |
|--------------|------------|------|
| Plastic case | KKISO16B63 |      |

**Slug Buster® punch set ISO 16 - 63**

- ▶ Long service life
- ▶ Less effort thanks to simple use

**Suitable for**

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

**Operation**

- Manual and hydraulic

**Predrilling**

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

**Scope of supply**

- Complete system consisting of punches, dies and plastic case in 7 sizes



| Item  | Part No.           |
|---|--------------------|
| Slug Buster® punch set ISO 16/20/25/32/40/50/63 | <b>50068920SET</b> |

| Accessories  | Part No.   | Page |
|--------------|------------|------|
| Plastic case | KKISO16B63 |      |

### Slug Buster® punch set PG 9 - 21, 30.5 mm



- ▶ Unique punch profile
- ▶ Split slugs fall free and can be removed easily

#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Manual and hydraulic

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

#### Scope of supply

- Complete system consisting of punches, dies and plastic case in 6 sizes

| Item  | Part No.           |
|---|--------------------|
| Slug Buster® punch set PG 9/11/13/16/21 and 30.5 mm | <b>50323989SET</b> |

| Accessories  | Part No. | Page |
|--------------|----------|------|
| Plastic case | KKPG9B48 |      |

### Slug Buster® punch set PG 9 - 48, 30.5 mm



- ▶ Unique punch profile
- ▶ Split slugs fall free and can be removed easily

#### Suitable for

- Mild steel (St37), plastic and aluminum up to 3.5 mm thick

#### Operation

- Manual and hydraulic

#### Predrilling

- Draw stud 9.5 mm dia., pilot drill 9.7 mm dia. 50360183
- Draw stud 19 mm dia., pilot drill 20.5 mm dia. 50344030

#### Scope of supply

- Complete system consisting of punches, dies and plastic case in 9 sizes

| Item   | Part No.           |
|--|--------------------|
| Slug Buster® punch set PG 9/11/13/16/21/29/36/48 and 30.5 mm | <b>50328034SET</b> |

| Accessories  | Part No. | Page |
|--------------|----------|------|
| Plastic case | KKPG9B48 |      |





## *Deep cuts, fast change.*

### **Bi-metal and carbide-tipped hole saws and arbors.**

Hole saws are used extensively to cut holes in different materials. These tools differentiate from other brands (manufacturers) by their extremely long service life. Their clever design enables a quick and easy blade change.



*Countersink hole saws ensure burr free holes for easy mounting of electrical outlets.*

- For nominal dimensions from 14 mm to 152 mm.
- Suitable for a range of materials.

## ■ A strong back plate for precise concentricity.

- ▶ **Solid back plate for increased stability.**
- ▶ For installing wall outlets, halogen lightings etc.

### Benefits:

- ▶ The reinforced back plate gives additional stability, creating more precise holes.
- ▶ Hole saws are multi-purpose tools, and so fewer tools are needed.



## ■ A little more: Cutting depth to 41.3 mm.

- ▶ Cutting depth of 41.3 mm.
- ▶ For metal, aluminum, wood and plastic, stainless steel, cast iron, fibreglass, non-ferrous metal.

### Benefits:

- ▶ These hole saws achieve deeper cuts than tools from other suppliers.
- ▶ You need **just one hole saw for a range of materials.**

## ■ For fast change: *Kwik Change™*.

- ▶ **Bayonet connection for fast** hole saw change.
- ▶ Ejector spring makes removal of slugs easier.

### Benefits:

- ▶ The bayonet connection significantly reduces tooling thus, saving you time.
- ▶ Slugs are mechanically expelled - accelerating drilling operations.



▶ *More on  
Page 572.*



## ■ The multi-purpose tool: *HKP carbide-tipped hole saw.*

- ▶ Optimised chip clearance.
- ▶ **Suitable for a range of materials.**

### Benefits:

- ▶ Safe and fast operations.
- ▶ One tool for numerous applications.



### HSS bi-metal hole saws



- ▶ Vibration-reduction and high true running accuracy due to thick back section
- ▶ Positive combi-toothing easily assured, precise cut
- ▶ Cooling slots ensure low heat build-up

#### Characteristics

- Positive rake variable pitch design provides faster and easier cutting
- Variable pitch design
- Max. cutting depth 41.3 mm
- Tooth hardness Rc 65-68

#### Suitable for

- For mild steel, cast iron, brass, aluminum, fibreglass, wood and plastic

#### Order info

- Arbors have to be ordered separately, not included in scope of supply

| Part No. | Item                         | Punch size<br>mm | Standard size |        | Weight<br>g | Recommended cutting speed r.p.m. for |                 |           |                   |          |      |
|----------|------------------------------|------------------|---------------|--------|-------------|--------------------------------------|-----------------|-----------|-------------------|----------|------|
|          |                              |                  | Pg            | ISO    |             | mild steel                           | stainless steel | cast iron | non-ferrous metal | aluminum | wood |
| 50191314 | HSS bi-metal hole saws 14 mm | 14               |               |        | 46          | 580                                  | 300             | 400       | 790               | 900      | 800  |
| 52057722 | HSS bi-metal hole saws 15 mm | 15               |               |        | 46          | 580                                  | 300             | 400       | 790               | 900      | 800  |
| 52057723 | HSS bi-metal hole saws 16 mm | 16               | Pg 9          | ISO 16 | 46          | 550                                  | 275             | 365       | 730               | 825      | 760  |
| 52057724 | HSS bi-metal hole saws 17 mm | 17               |               |        | 46          | 500                                  | 250             | 330       | 665               | 750      | 720  |
| 52057725 | HSS bi-metal hole saws 18 mm | 18               |               |        | 46          | 500                                  | 250             | 330       | 665               | 750      | 720  |
| 52057726 | HSS bi-metal hole saws 19 mm | 19               | Pg 11         |        | 46          | 460                                  | 230             | 300       | 600               | 690      | 680  |
| 52057727 | HSS bi-metal hole saws 20 mm | 20               |               | ISO 20 | 46          | 445                                  | 220             | 290       | 580               | 660      | 640  |
| 52057728 | HSS bi-metal hole saws 21 mm | 21               | Pg 13         |        | 46          | 425                                  | 195             | 280       | 560               | 635      | 580  |
| 52057729 | HSS bi-metal hole saws 22 mm | 22               | Pg 16         |        | 46          | 390                                  | 195             | 260       | 520               | 585      | 560  |
| 52057730 | HSS bi-metal hole saws 23 mm | 23               |               |        | 46          | 380                                  | 190             | 250       | 510               | 570      | 540  |
| 52057731 | HSS bi-metal hole saws 24 mm | 24               |               |        | 46          | 370                                  | 185             | 245       | 494               | 555      | 520  |
| 52057732 | HSS bi-metal hole saws 25 mm | 25               |               | ISO 25 | 46          | 350                                  | 175             | 235       | 470               | 525      | 500  |
| 52057733 | HSS bi-metal hole saws 26 mm | 26               |               |        | 46          | 325                                  | 160             | 215       | 435               | 480      | 500  |
| 52057734 | HSS bi-metal hole saws 27 mm | 27               |               |        | 46          | 300                                  | 150             | 200       | 400               | 450      | 450  |
| 52057735 | HSS bi-metal hole saws 28 mm | 28               |               |        | 46          | 300                                  | 150             | 200       | 400               | 450      | 450  |
| 52057736 | HSS bi-metal hole saws 29 mm | 29               | Pg 21         |        | 91          | 285                                  | 145             | 190       | 380               | 425      | 430  |
| 52057737 | HSS bi-metal hole saws 30 mm | 30               |               |        | 91          | 270                                  | 140             | 180       | 360               | 410      | 410  |
| 52057738 | HSS bi-metal hole saws 32 mm | 32               |               | ISO 32 | 91          | 270                                  | 140             | 180       | 360               | 410      | 410  |
| 52057739 | HSS bi-metal hole saws 33 mm | 33               |               |        | 46          | 250                                  | 125             | 165       | 330               | 375      | 370  |
| 52057740 | HSS bi-metal hole saws 35 mm | 35               |               |        | 46          | 240                                  | 120             | 160       | 315               | 360      | 30   |
| 52057741 | HSS bi-metal hole saws 36 mm | 36               |               |        | 91          | 240                                  | 120             | 160       | 315               | 360      | 30   |
| 52057742 | HSS bi-metal hole saws 37 mm | 37               | Pg 29         |        | 91          | 230                                  | 115             | 150       | 300               | 345      | 330  |
| 52057743 | HSS bi-metal hole saws 38 mm | 38               |               |        | 91          | 220                                  | 110             | 145       | 290               | 330      | 310  |
| 52057744 | HSS bi-metal hole saws 40 mm | 40               |               | ISO 40 | 91          | 210                                  | 110             | 140       | 280               | 315      | 290  |
| 52057745 | HSS bi-metal hole saws 41 mm | 41               |               |        | 91          | 205                                  | 105             | 135       | 270               | 305      | 270  |
| 52057746 | HSS bi-metal hole saws 42 mm | 42               |               |        | 137         | 205                                  | 105             | 135       | 270               | 305      | 270  |
| 52057747 | HSS bi-metal hole saws 43 mm | 43               |               |        | 91          | 195                                  | 100             | 130       | 260               | 295      | 250  |
| 52057748 | HSS bi-metal hole saws 44 mm | 44               |               |        | 91          | 190                                  | 95              | 125       | 250               | 285      | 230  |
| 52057749 | HSS bi-metal hole saws 45 mm | 45               |               |        | 91          | 190                                  | 95              | 125       | 250               | 285      | 230  |
| 52057750 | HSS bi-metal hole saws 46 mm | 46               |               |        | 137         | 180                                  | 90              | 120       | 240               | 270      | 210  |
| 52057751 | HSS bi-metal hole saws 48 mm | 48               | Pg 36         |        | 91          | 180                                  | 90              | 120       | 240               | 270      | 210  |
| 52057752 | HSS bi-metal hole saws 50 mm | 50               |               | ISO 50 | 91          | 170                                  | 85              | 115       | 230               | 255      | 200  |
| 52057753 | HSS bi-metal hole saws 51 mm | 51               |               |        | 137         | 165                                  | 80              | 110       | 220               | 245      | 200  |
| 52057754 | HSS bi-metal hole saws 52 mm | 52               |               |        | 137         | 165                                  | 80              | 110       | 220               | 245      | 200  |
| 52057755 | HSS bi-metal hole saws 53 mm | 53               |               |        | 137         | 160                                  | 80              | 105       | 210               | 240      | 190  |
| 52057756 | HSS bi-metal hole saws 54 mm | 54               | Pg 42         |        | 137         | 160                                  | 80              | 105       | 210               | 240      | 190  |
| 52057757 | HSS bi-metal hole saws 55 mm | 55               |               |        | 137         | 150                                  | 75              | 100       | 200               | 225      | 185  |
| 52057758 | HSS bi-metal hole saws 57 mm | 57               |               |        | 227         | 150                                  | 75              | 100       | 195               | 225      | 185  |
| 52057760 | HSS bi-metal hole saws 59 mm | 59               |               |        | 137         | 140                                  | 70              | 95        | 190               | 220      | 180  |
| 52057761 | HSS bi-metal hole saws 60 mm | 60               | Pg 48         |        | 137         | 135                                  | 70              | 90        | 180               | 205      | 180  |

| Part No. | Item                          | Punch size<br>mm | Standard size |        | Weight<br>g | Recommended cutting speed r.p.m. for |                 |           |                   |          |      |
|----------|-------------------------------|------------------|---------------|--------|-------------|--------------------------------------|-----------------|-----------|-------------------|----------|------|
|          |                               |                  | Pg            | ISO    |             | mild steel                           | stainless steel | cast iron | non-ferrous metal | aluminum | wood |
| 52057762 | HSS bi-metal hole saws 63 mm  | 63               |               | ISO 63 | 182         | 130                                  | 65              | 85        | 175               | 200      | 175  |
| 52057763 | HSS bi-metal hole saws 65 mm  | 65               |               |        | 182         | 130                                  | 65              | 85        | 170               | 195      | 170  |
| 52057764 | HSS bi-metal hole saws 67 mm  | 67               |               |        | 182         | 125                                  | 60              | 80        | 160               | 185      | 165  |
| 52057765 | HSS bi-metal hole saws 68 mm  | 68               |               |        | 182         | 125                                  | 60              | 80        | 160               | 185      | 160  |
| 52057766 | HSS bi-metal hole saws 70 mm  | 70               |               |        | 182         | 120                                  | 55              | 80        | 160               | 180      | 160  |
| 52057767 | HSS bi-metal hole saws 73 mm  | 73               |               |        | 182         | 115                                  | 55              | 75        | 150               | 170      | 150  |
| 52057768 | HSS bi-metal hole saws 74 mm  | 74               |               |        | 182         | 115                                  | 55              | 75        | 150               | 170      | 150  |
| 52057769 | HSS bi-metal hole saws 75 mm  | 75               |               |        | 227         | 115                                  | 55              | 75        | 150               | 170      | 150  |
| 52057770 | HSS bi-metal hole saws 76 mm  | 76               |               |        | 227         | 110                                  | 55              | 70        | 140               | 165      | 145  |
| 52057771 | HSS bi-metal hole saws 80 mm  | 80               |               |        | 227         | 110                                  | 55              | 70        | 140               | 165      | 145  |
| 52057773 | HSS bi-metal hole saws 83 mm  | 83               |               |        | 273         | 105                                  | 50              | 70        | 140               | 155      | 140  |
| 52057774 | HSS bi-metal hole saws 86 mm  | 86               |               |        | 273         | 100                                  | 50              | 65        | 130               | 150      | 135  |
| 52057775 | HSS bi-metal hole saws 89 mm  | 89               |               |        | 273         | 95                                   | 45              | 65        | 130               | 145      | 130  |
| 52057776 | HSS bi-metal hole saws 92 mm  | 92               |               |        | 273         | 95                                   | 45              | 60        | 120               | 130      | 120  |
| 52057777 | HSS bi-metal hole saws 95 mm  | 95               |               |        | 318         | 95                                   | 45              | 60        | 120               | 135      | 110  |
| 52057778 | HSS bi-metal hole saws 98 mm  | 98               |               |        | 318         | 90                                   | 40              | 60        | 120               | 135      | 110  |
| 52057779 | HSS bi-metal hole saws 102 mm | 102              |               |        | 318         | 85                                   | 10              | 55        | 110               | 130      | 100  |
| 50191772 | HSS bi-metal hole saws 105 mm | 105              |               |        | 363         | 80                                   | 40              | 55        | 110               | 120      | 110  |
| 50191780 | HSS bi-metal hole saws 108 mm | 108              |               |        | 363         | 80                                   | 40              | 55        | 110               | 120      | 110  |
| 50191799 | HSS bi-metal hole saws 111 mm | 111              |               |        | 363         | 80                                   | 40              | 50        | 100               | 120      | 110  |
| 50191802 | HSS bi-metal hole saws 114 mm | 114              |               |        | 409         | 75                                   | 40              | 50        | 100               | 105      | 100  |
| 50191810 | HSS bi-metal hole saws 121 mm | 121              |               |        | 499         | 75                                   | 35              | 50        | 95                | 95       | 100  |
| 50191829 | HSS bi-metal hole saws 127 mm | 127              |               |        | 545         | 65                                   | 35              | 45        | 90                | 90       | 100  |
| 50191837 | HSS bi-metal hole saws 140 mm | 140              |               |        | 545         | 60                                   | 35              | 35        | 85                | 85       | 100  |
| 50191845 | HSS bi-metal hole saws 152 mm | 152              |               |        | 636         | 55                                   | 35              | 35        | 75                | 75       | 100  |

## HSS bi-metal hole saw set

► Positive combi-toothing easily assured, precise cut

### Characteristics

- High true running accuracy
- Less effort when cutting

### Suitable for

- Metal, brass, fibreglass, non-ferrous metal, cast iron, aluminum, wood and plastics



| Part No. | Description       | Nominal size mm | Standard size |        | 52059292SET | 52059293SET | 50069497SET | 52059294SET | 50292099SET | 52059295SET | 50125630SET |
|----------|-------------------|-----------------|---------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|          |                   |                 | Pg            | ISO    | Electro II  | Universal   | ISO16-63    | Plumbing    | 830PG       | Standard    | Electro     |
| 52057723 | Bi-Metal Hole Saw | 16              | PG9           | ISO 63 |             | •           | •           |             | •           | •           |             |
| 52057724 | Bi-Metal Hole Saw | 17              |               |        |             |             |             |             |             |             |             |
| 52057726 | Bi-Metal Hole Saw | 19              | PG11          |        |             | •           | •           |             | •           | •           |             |
| 52057727 | Bi-Metal Hole Saw | 20              |               | ISO20  |             |             | •           |             |             |             |             |
| 52057728 | Bi-Metal Hole Saw | 21              | PG13          |        |             |             |             |             | •           |             |             |
| 52057729 | Bi-Metal Hole Saw | 22              | PG16          |        | •           | •           |             |             | •           | •           |             |
| 52057731 | Bi-Metal Hole Saw | 24              |               |        |             |             | •           |             |             |             |             |
| 52057732 | Bi-Metal Hole Saw | 25              |               | ISO25  |             | •           | •           |             |             |             |             |
| 52057733 | Bi-Metal Hole Saw | 26              |               |        |             |             |             |             |             |             |             |
| 52057736 | Bi-Metal Hole Saw | 29              | PG21          |        | •           | •           |             | •           |             | •           |             |
| 52057737 | Bi-Metal Hole Saw | 30              |               |        |             |             |             |             | •           |             |             |
| 52057738 | Bi-Metal Hole Saw | 32              |               | ISO32  |             |             | •           |             |             |             |             |
| 52057739 | Bi-Metal Hole Saw | 33              |               |        |             |             |             |             |             |             |             |
| 52057740 | Bi-Metal Hole Saw | 35              |               |        | •           | •           |             |             |             | •           | •           |

| Part No. | Description                   | Nominal size mm | Standard size |     | 52059292SET<br>Electro II | 52059293SET<br>Universal | 50069497SET<br>ISO16-63 | 52059294SET<br>Plumbing | 50292099SET<br>830PG | 52059295SET<br>Standard | 50125630SET<br>Electro |
|----------|-------------------------------|-----------------|---------------|-----|---------------------------|--------------------------|-------------------------|-------------------------|----------------------|-------------------------|------------------------|
|          |                               |                 | Pg            | ISO |                           |                          |                         |                         |                      |                         |                        |
| 52057742 | Bi-Metal Hole Saw             | 37              | PG29          |     |                           |                          |                         |                         | •                    |                         |                        |
| 52057743 | Bi-Metal Hole Saw             | 38              |               |     |                           | •                        |                         | •                       |                      |                         |                        |
| 52057744 | Bi-Metal Hole Saw             | 40              | ISO40         |     |                           |                          | •                       |                         |                      |                         |                        |
| 52057745 | Bi-Metal Hole Saw             | 41              |               |     |                           |                          |                         |                         |                      |                         |                        |
| 52057748 | Bi-Metal Hole Saw             | 44              |               |     | •                         | •                        | •                       |                         |                      | •                       |                        |
| 52057751 | Bi-Metal Hole Saw             | 48              | PG36          |     |                           |                          |                         |                         | •                    |                         |                        |
| 52057752 | Bi-Metal Hole Saw             | 50              | ISO50         |     |                           |                          | •                       |                         |                      |                         |                        |
| 52057753 | Bi-Metal Hole Saw             | 51              |               |     | •                         | •                        |                         |                         |                      |                         |                        |
| 52057754 | Bi-Metal Hole Saw             | 52              |               |     |                           |                          |                         |                         |                      | •                       |                        |
| 52057758 | Bi-Metal Hole Saw             | 57              |               |     |                           |                          | •                       |                         |                      | •                       |                        |
| 52057761 | Bi-Metal Hole Saw             | 60              | PG48          |     |                           |                          |                         |                         | •                    |                         |                        |
| 52057762 | Bi-Metal Hole Saw             | 63              | ISO63         |     | •                         | •                        | •                       |                         |                      |                         |                        |
| 52057764 | Bi-Metal Hole Saw             | 67              |               |     |                           |                          | •                       |                         |                      | •                       |                        |
| 52057765 | Bi-Metal Hole Saw             | 68              |               |     | •                         |                          |                         |                         |                      |                         |                        |
| 52057769 | Bi-Metal Hole Saw             | 75              |               |     |                           |                          |                         |                         |                      |                         | •                      |
| 52057770 | Bi-Metal Hole Saw             | 76              |               |     |                           | •                        |                         |                         |                      |                         |                        |
| 52033839 | Countersink for Hole Saw 68mm |                 |               |     |                           |                          |                         |                         |                      |                         | •                      |
| 52057780 | Arbor 14 to 30 mm             |                 |               |     | •                         | •                        | •                       | •                       | •                    | •                       | •                      |
| 52057781 | Arbor 32 to 152 mm            |                 |               |     | •                         | •                        | •                       | •                       | •                    | •                       | •                      |
| 52059258 | Case                          |                 |               |     | •                         | •                        | •                       | •                       | •                    | •                       | •                      |

### Electro set with countersink

#### Characteristics

- Sockets can be mounted flush with the wall.
- Countersink with two specially-hardened cutting teeth

#### Suitable for

- Steel, non-ferrous metal, aluminum, cast iron, wood, plastic and building materials

#### Scope of supply

- Consisting of hole saws 35 mm, 68 mm, 75 mm, countersink for 68 mm hole saw, arbor with pilot drill and counter nut for hole saws 32 - 152 mm and spare HSS pilot drill 6.35 mm dia.



| Item                                     | Part No.           |      |
|--|--------------------|------|
| Electro set with countersink 35/68/75 mm | <b>50125630SET</b> |      |
| Scope of supply                          | Part No.           | Page |
| HSS bi-metal hole saw 35 mm              | 52057740           | 568  |
| HSS bi-metal hole saw 68 mm              | 52057765           | 569  |
| HSS bi-metal hole saw 75 mm              | 52057769           | 569  |
| Countersink for hole saws                | 52033839           | 570  |
| Arbor for HSS bi-metal hole saws 8.6 mm  | 52057781           | 570  |
| Plastic case                             | 52059258           | 570  |

### Arbor for HSS bi-metal hole saws 14 - 30 mm

#### Suitable for

- Sizes from 14 mm - 30 mm



| Item          | Part No. |
|---------------|----------|
| Arbor 6.3 mm  | 50371576 |
| Arbor 7.9 mm  | 50385224 |
| Arbor 8.6 mm  | 52057780 |
| Arbor 11.1 mm | 50371550 |

**Arbor for HSS bi-metal hole saws 32 - 152 mm**
**Suitable for**

- Sizes from 32 mm - 51 mm
- Sizes from 32 mm - 152 mm

| Item   | Part No.        |
|--|-----------------|
| Arbor 7.9 mm for HSS bi-metal hole saws 32 - 51 mm   | <b>50371541</b> |
| Arbor 8.6 mm for HSS bi-metal hole saws 32 - 152 mm  | <b>52057781</b> |
| Arbor 11.1 mm for HSS bi-metal hole saws 32 - 152 mm | <b>50371568</b> |


**SDS arbor for HSS bi-metal hole saws**
**Suitable for**

- Sizes from 32 mm - 152 mm
- Sizes from 14 mm - 30 mm

| Item   | Part No.        |
|--|-----------------|
| SDS arbor for HSS bi-metal hole saws 14 - 30 mm  | <b>50069691</b> |
| SDS arbor for HSS bi-metal hole saws 32 - 152 mm | <b>50069292</b> |


**Interchangeable pilot drill arbor for HSS bi-metal hole saws**

| Item   | Part No.        |
|--|-----------------|
| Interchangeable pilot drill arbor for HSS bi-metal hole saws | <b>52057782</b> |



## Kwik Change carbide-tipped hole saw



► Bayonet connection allows quick change of hole saws

### Characteristics

- Ejector spring pushes the metal out of the hole saw
- Triangular arbor 9.5 mm for 50057529
- Triangular arbor 12.7 mm for 50057537

### Suitable for

- Steel, stainless steel, non-ferrous metals, plastics, light building boards and wood to 4.5 mm thick

### Order info

- Arbors are not included in scope of supply, to be ordered separately
- Hole saws 19 - 54 mm - Arbor 50057529
- Hole saws 64 - 76 mm - Arbor 50057537

| Item                                      | True dimension<br>mm | Standard size |        | Part No. |
|---|----------------------|---------------|--------|----------|
|   |                      | Pg            | ISO    |          |
| Kwik Change carbide-tipped hole saw 19 mm | 19                   | Pg 11         |        | 50056930 |
| Kwik Change carbide-tipped hole saw 22 mm | 22.2                 | Pg 16         |        | 50056956 |
| Kwik Change carbide-tipped hole saw 25 mm | 25.4                 |               | ISO 25 | 50056964 |
| Kwik Change carbide-tipped hole saw 29 mm | 28.6                 | Pg 21         |        | 50056972 |
| Kwik Change carbide-tipped hole saw 31 mm | 31                   |               |        | 50056980 |
| Kwik Change carbide-tipped hole saw 32 mm | 31.8                 |               | ISO 32 | 50056999 |
| Kwik Change carbide-tipped hole saw 35 mm | 34.9                 |               |        | 50057006 |
| Kwik Change carbide-tipped hole saw 37 mm | 36.5                 | Pg 29         |        | 50059599 |
| Kwik Change carbide-tipped hole saw 38 mm | 38.1                 |               |        | 50057014 |
| Kwik Change carbide-tipped hole saw 45 mm | 44.4                 |               |        | 50057022 |
| Kwik Change carbide-tipped hole saw 51 mm | 50.8                 |               |        | 50057030 |
| Kwik Change carbide-tipped hole saw 54 mm | 54                   | Pg 42         |        | 50059602 |
| Kwik Change carbide-tipped hole saw 64 mm | 63.5                 |               | ISO 63 | 50057057 |
| Kwik Change carbide-tipped hole saw 76 mm | 76.2                 |               |        | 50057073 |

**Kwik Change carbide-tipped hole saw set**

► Bayonet connection allows quick change of hole saws

**Characteristics**

- Arbor 50057529
- Ejector spring pushes the metal out of the hole saw

**Suitable for**

- Steel, stainless steel, non-ferrous metals, plastics, light building boards and wood to 4.5 mm thick



| Item   | Part No.        |
|--|-----------------|
| Kwik Change carbide-tipped hole saw set PG 16, PG 21, 35 mm, 45 mm, ISO 50 | <b>50057669</b> |
| Kwik Change carbide-tipped hole saw set PG 16, PG 21, 35 mm                | <b>50058207</b> |

**Kwik Change arbor**
**Suitable for**

- Sizes 16 mm - 58 mm; 60 mm - 76 mm

**Order info**

- Arbors are not included in scope of supply, to be ordered separately



| Item                         | Part No.        |
|------------------------------|-----------------|
| Kwik Change arbor 16 - 58 mm | <b>50057529</b> |
| Kwik Change arbor 60 - 76 mm | <b>50057537</b> |

**Pilot drill for arbor**

| Item                           | Part No.        |
|--------------------------------|-----------------|
| Pilot drill for arbor 50057529 | <b>50057618</b> |
| Pilot drill for arbor 50057537 | <b>50057626</b> |





### HKP carbide-tipped hole saw



- ▶ Easy chip removal with extra wide tooth pitch
- ▶ No clogging or burning of carbide teeth

#### Characteristics

- Groove permits easy removal of the drilling core
- Maximum cutting depth: 60 mm
- Flute covers two third of the total length

#### Suitable for

- Wood, chipboard, coated chipboard, pressboard, PVC, fibreglass, plaster board, porous concrete, claystone and clay tiles

| Item   | Part No. |
|--|----------|
| HKP carbide-tipped hole saw 35 mm without arbor  | 52033834 |
| HKP carbide-tipped hole saw 68 mm without arbor  | 52033835 |
| HKP carbide-tipped hole saw 74 mm without arbor  | 52033837 |
| HKP carbide-tipped hole saw set 35, 68 and 74 mm incl. 3-zone arbor, SDS arbor, HSS and HM pilot drill | 52033833 |
| HKP carbide-tipped hole saw set 68 mm incl. 3-zone arbor, HSS and HM pilot drill, countersink          | 52034333 |

| Accessories                                     | Part No. | Page |
|---|----------|------|
| 3-zone arbor 70 mm long, shaft diameter 13 mm   | 52034328 | 574  |
| SDS arbor shaft for HKP carbide-tipped hole saw | 52034329 | 574  |

### Carbide-tipped hole saw



- ▶ Carbide-tipped cutting edges for long service life and clean cuts
- ▶ Interchangeable cobalt steel pilot drill with unique tip to prevent long chips

#### Characteristics

- Cuts quick, clean and accurate holes in stainless steel, copper, aluminum and steel
- Flange stop prevents over drilling
- Maximum cutting depth: 10 mm
- Maximum material thickness: 4 mm

| Item                                   | True dimension | Minimum chuck size | Standard size |     | Recommended cutting speed r.p.m. |            | Part No. |
|--|----------------|--------------------|---------------|-----|----------------------------------|------------|----------|
|  |                |                    | Pg            | ISO | Stainless steel                  | mild steel |          |
|  |                |                    |               |     |                                  |            |          |
| Carbide-tipped hole saw 19 mm (Pg 11)  | 19.0           | 6.4                | Pg 11         |     | 550                              | 800        | 50383248 |
| Carbide-tipped hole saw 22.2 mm (PG16) | 22.2           | 6.4                | Pg 16         |     | 475                              | 690        | 50383264 |
| Carbide-tipped hole saw 25.4 mm        | 25.4           | 9.5                | ISO 25        |     | 415                              | 600        | 50383272 |
| Carbide-tipped hole saw 28.6 mm (PG21) | 28.6           | 9.5                | Pg 21         |     | 370                              | 535        | 50383280 |
| Carbide-tipped hole saw 30.5 mm        | 30.5           | 9.5                |               |     | 345                              | 500        | 50383299 |
| Carbide-tipped hole saw 31.7 mm        | 31.7           | 9.5                |               |     | 330                              | 485        | 50383302 |
| Carbide-tipped hole saw 35 mm          | 35.0           | 9.5                |               |     | 300                              | 435        | 50383310 |
| Carbide-tipped hole saw 38.1 mm        | 38.1           | 9.5                |               |     | 275                              | 400        | 50383329 |
| Carbide-tipped hole saw 44.4 mm        | 44.4           | 9.5                |               |     | 235                              | 340        | 50383337 |
| Carbide-tipped hole saw 50.8 mm        | 50.8           | 9.5                | ISO 50        |     | 205                              | 300        | 50383345 |
| Carbide-tipped hole saw 63.5 mm        | 63.5           | 12.7               | ISO 63        |     | 165                              | 240        | 50383361 |

**Pilot drill for carbide-tipped hole saws**
**Suitable for**

- Wood, aluminum, steel, plastic, fiberglass and stainless steel

| Item   | Part No.        |
|--|-----------------|
| Interchangeable pilot drill for carbide-tipped hole saws 19 mm - 50.8 mm | <b>50398725</b> |
| Interchangeable pilot drill for carbide-tipped hole saws 63.5 mm         | <b>50383906</b> |


**Carbide-tipped hole saw set**

- ▶ Carbide-tipped cutting edges for long service life and clean cuts
- ▶ Interchangeable cobalt steel pilot drill with unique tip to prevent long chips
- ▶ Cuts quick, clean and accurate holes in stainless steel, copper, aluminum and steel

**Characteristics**

- Flange stop prevents over drilling
- Maximum cutting depth: 10 mm
- Maximum material thickness: 4 mm

| Item   | Part No.        |
|--|-----------------|
| Carbide-tipped hole saw set PG 16, PG 21 and 35 mm | <b>50035991</b> |

| Scope of supply                          | Part No. | Page |
|--|----------|------|
| Carbide-tipped hole saw 22.2 mm (PG16)   | 50383264 | 574  |
| Carbide-tipped hole saw 28.6 mm (PG21)   | 50383280 | 574  |
| Carbide-tipped hole saw 35 mm            | 50383310 | 574  |
| Pilot drill for carbide-tipped hole saws | 50398725 | 575  |
| Plastic case                             |          |      |



## *Step by step burr-free.*

### **Precise step bits milled using the latest CNC technology.**

For burr-free drilling of sheet metal, pipes, non-ferrous metals, stainless steel and plastics.

Step bits are top quality products and manufactured to the latest standards using CNC technology.



- For holes from 3.2 mm to 40 mm.
- Suitable for a wide range of materials.
- With spiral flute and edge breaker.



*Step bits are suitable for a wide range of materials and surfaces.*

## ■ Burr-free thanks to the edge breaker: Kwik Stepper™ step bits.

- ▶ For the burr-free drilling and reaming of sheet metal, pipes, non-ferrous metals, stainless steel and plastics.
- ▶ **Centering, drilling and deburring in one operation.**

### Benefits:

- ▶ Step bits are multi-purpose tools and can be used for a wide range of materials.



## ■ Spiral flute for more holes with less effort.

- ▶ Spiral flute (DBGM) reduces effort and improves cutting performance.

### Benefits:

- ▶ Less effort means less wear and tear.
- ▶ The holes are more precise and operation is trouble free.

## ■ 90% transmission zone, 0% slippage: ROTASTOP®.

- ▶ Tool change in a flash.
- ▶ **Maximum torque transmission.**
- ▶ 90% transmission zone on the drills.



### Benefits:

- ▶ No more drill slippage, making your work more efficient.
- ▶ Faster tool change.
- ▶ Improved power transmission.

## ■ Features of bits.

| Step bits | Drilling range mm Ø | Step sizes mm Ø   | Length mm | Number of steps | Shank mm Ø | Rota-stop® |
|-----------|---------------------|---|-----------|-----------------|------------|------------|
| 50344013  | 3.2 – 12.7          | 3.2 / 4.0 / 4.8 / 5.6 / 6.4 / 7.1 / 7.9 / 8.7 / 9.5 / 10.3 / 11.1 / 11.9 / 12.7 | 80        | 13              | 6.4        |            |
| 50364022  | 4.8 – 12.7          | 4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7   | 80        | 6               | 6.4        |            |
| 50344110  | 22.2                | 22.2  | 85        | 1               | 9.5        |            |
| 50344030  | 4.8 – 22.2          | 4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7 / 14.3 / 15.9 / 17.5 / 19.1 / 20.6 / 22.2   | 85        | 12              | 9.5        |            |
| 50300083  | 22.2 – 28.6         | 12.7 / 22.2 / 28.6  | 57        | 3               | 9.5        |            |
| 50364146  | 22.2 – 34.9         | 22.2 / 28.6 / 31.0 / 31.8 / 34.9  | 73        | 5               | 9.5        |            |
| 50360183  | 9.7                 | Pilot drill for Greenlee draw studs Ø 9.5 mm                                    | 40        | 1               | 6.4        |            |
| 50344102  | 12.7                | Pilot drill for Greenlee draw studs Ø 11.1 mm                                   | 40        | 1               | 6.4        |            |
| 50360205  | Pg 7 – 21           | Pg7 / Pg9 / Pg11 / Pg13 / Pg16 / Pg21/30.5                                      | 90        | 7               | 9.5        |            |
| 50360221  | ISO 16 – 32         | For ISO dimensions 16 / 20 / 25 / 32  | 80        | 4               | 9.5        |            |
| 50069845  | 4 – 12              | 4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 9.0 / 10.0 / 11.0 / 12.0                          | 80        | 9               | 6.0        | ✓          |
| 50069853  | 4 – 20              | 4.0 / 6.0 / 8.0 / 10.0 / 12.0 / 14.0 / 16.0 / 18.0 / 20.0                       | 67        | 9               | 8.0        | ✓          |
| 50069861  | 6 – 30              | 6.0 - 30.0 (2.0 mm steps)   | 98        | 13              | 10.0       | ✓          |
| 50069870  | 6 – 36              | 6.0 - 36.0 (3.0 mm steps)   | 82        | 11              | 12.0       | ✓          |
| 50069888  | ISO 12 – 40         | For ISO sizes 12 / 16 / 20 / 25 / 32 / 40                                       | 110       | 6               | 12.0       | ✓          |

### Kwik Stepper™ step bit



#### Characteristics

- For burr-free drilling of mild steel, pipes, non-ferrous metals and plastics.
- Drilling range from 3.2 mm - 34.9 mm

#### Suitable for

- Reaming of mild steel, pipes, non-ferrous metals and plastic

| Item                                     | Drilling range dia. | Step sizes dia.   | Total length | Number of steps | Shank dia. | Part No. |
|--|---------------------|---|--------------|-----------------|------------|----------|
|  | mm                  | mm  | mm           |                 | mm         |          |
| Kwik Stepper™ step bit<br>3.2 - 12.7 mm  | 3.2 - 12.7          | 3.2 / 4.0 / 4.8 / 5.6 / 6.4 / 7.1 / 7.9 / 8.7 / 9.5 / 10.3 / 11.1 / 11.9 / 12.7 | 80           | 13              | 6.4        | 50344013 |
| Kwik Stepper™ step bit<br>4.8 - 12.7 mm  | 4.8 - 12.7          | 4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7   | 80           | 6               | 6.4        | 50364022 |
| Kwik Stepper™ step bit<br>22.2 mm        | 22.2                | 22.2  | 85           | 1               | 9.5        | 50344110 |
| Kwik Stepper™ step bit<br>4.8 - 22.2 mm  | 4.8 - 22.2          | 4.8 / 6.4 / 7.9 / 9.5 / 11.1 / 12.7 / 14.3 / 15.9 / 17.5 / 19.1 / 20.6 / 22.2   | 85           | 12              | 9.5        | 50344030 |
| Kwik Stepper™ step bit<br>22.2 - 28.6 mm | 22.7 - 28.6         | 12.7 / 22.2 / 28.6  | 57           | 3               | 9.5        | 50300083 |
| Kwik Stepper™ step bit<br>22.2 - 34.9 mm | 22.2 - 34.9         | 22.2 / 28.6 / 31.0 / 31.8 / 34.9  | 73           | 5               | 9.5        | 50364146 |
| Kwik Stepper™ step bit<br>9.7 mm         | 9.7                 | For drilling pilot holes for Greenlee draw studs<br>dia. 9.5 mm                 | 40           | 1               | 6.4        | 50360183 |
| Kwik Stepper™ step bit<br>12.7 mm        | 12.9                | For drilling pilot holes for Greenlee draw studs<br>dia.11.1 mm                 | 40           | 1               | 6.4        | 50344102 |
| Kwik Stepper™ step bit<br>Pg 7-21        | Pg 7-21             | Pg7 / Pg9 / Pg11 / Pg13 / Pg16 / Pg21 / 30.5                                    | 90           | 7               | 9.5        | 50360205 |
| Kwik Stepper™ step bit<br>ISO 16-32      | ISO 16 – 32         | ISO 16 / 20 / 25 / 32   | 80           | 4               | 9.5        | 50360221 |

**Kwik Stepper™ step bit with ROTASTOP® shaft**

- ▶ Longer lifetime
- ▶ Less force needed
- ▶ Improved cutting performance
- ▶ Smooth cutting
- ▶ Minimum burr

**Characteristics**

- Drilling range from 4 mm - 40.5 mm

**Suitable for**

- Reaming of mild steel, pipes, non-ferrous metals and plastic



| Item   | Drilling range dia. | Step sizes dia.  | Total length | Number of steps | Shank dia. | Part No.        |
|--|---------------------|--|--------------|-----------------|------------|-----------------|
|  | mm                  | mm   | mm           |                 | mm         |                 |
| Kwik Stepper™ step bit with ROTASTOP® shaft 4 - 12 mm      | 4 – 12              | 4.0 / 5.0 / 6.0 / 7.0 / 8.0 / 9.0 / 10.0 / 11.0 / 12.0                                 | 80           | 9               | 6.0        | <b>50069845</b> |
| Kwik Stepper™ step bit with ROTASTOP® shaft 4 - 20 mm      | 4 – 20              | 4.0 / 6.0 / 8.0 / 10.0 / 12.0 / 14.0 / 16.0 / 18.0 / 20.0                              | 67           | 9               | 8.0        | <b>50069853</b> |
| Kwik Stepper™ step bit with ROTASTOP® shaft 6 - 30 mm      | 6 – 30              | 6.0 / 8.0 / 10.0 / 12.0 / 14.0 / 16.0 / 18.0 / 20.0 / 22.0 / 24.0 / 26.0 / 28.0 / 30.0 | 98           | 13              | 10.0       | <b>50069861</b> |
| Kwik Stepper™ step bit with ROTASTOP® shaft 6 - 36 mm      | 6 – 36              | 6.0 / 9.0 / 12.0 / 15.0 / 18.0 / 21.0 / 24.0 / 27.0 / 30.0 / 33.0 / 36.0               | 85           | 11              | 12.0       | <b>50069870</b> |
| Kwik Stepper™ step bit with ROTASTOP® shaft ISO 12 - 40 mm | ISO 12 - 40         | For ISO sizes 12 / 16 / 20 / 25 / 32 / 40  | 110          | 6               | 12.0       | <b>50069888</b> |

**Kwik Stepper™ step bit set**

- ▶ Longer lifetime
- ▶ Less force needed
- ▶ Improved cutting performance
- ▶ Smooth cutting
- ▶ Minimum burr

**Characteristics**

- Drilling range from 4 - 30 mm

**Suitable for**

- Reaming of mild steel, pipes, non-ferrous metals and plastic



| Item  | Part No.        |      |
|---|-----------------|------|
| Kwik Stepper™ step bit set                            | <b>50069900</b> |      |
| Scope of supply                                       | Part No.        | Page |
| Kwik Stepper™ step bit with ROTASTOP® shaft 4 - 12 mm | 50069845        | 579  |
| Kwik Stepper™ step bit with ROTASTOP® shaft 4 - 20 mm | 50069853        | 579  |
| Kwik Stepper™ step bit with ROTASTOP® shaft 6 - 30 mm | 50069861        | 579  |

## Combi bit set in plastic cassette M 3 - M 10



► Drill, tap and deburr in one operation

### Suitable for

- For use with mild steel, non-ferrous metals and plastics

| Item   | Part No.        |      |
|--|-----------------|------|
| Combi bit set in plastic cassette M 3 - M 10 | <b>50116304</b> |      |
| Scope of supply                              | Part No.        | Page |
| Combi bit M3                                 | 50116312        | 580  |
| Combi bit M4                                 | 50116320        | 580  |
| Combi bit M5                                 | 50116339        | 580  |
| Combi bit M6                                 | 50116347        | 580  |
| Combi bit M8                                 | 50116355        | 580  |
| Combi bit M10                                | 50116363        | 580  |
| Combi bit holder                             | 50116371        | 580  |