

# Hand Tools



32  
36  
41  
46

1"1/4  
1"7/16  
1"5/8  
1"13/16  
2"  
INCH





**Features & benefits**



- Adjustable for broad range of pulleys
- Compact and lightweight
- Usable in all positions

**Available on request**



- Cylinders manufactured in conformity with customer specifications

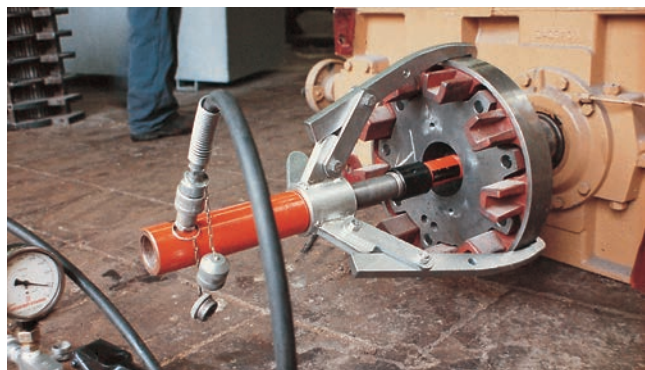
**Additional information**



- Puller sets can also be used in combination with cylinders having other stroke lengths

Hydraulic Pumps  
Hydraulic Hoses  
Pressure Gauges

page 139  
page 166  
page 171

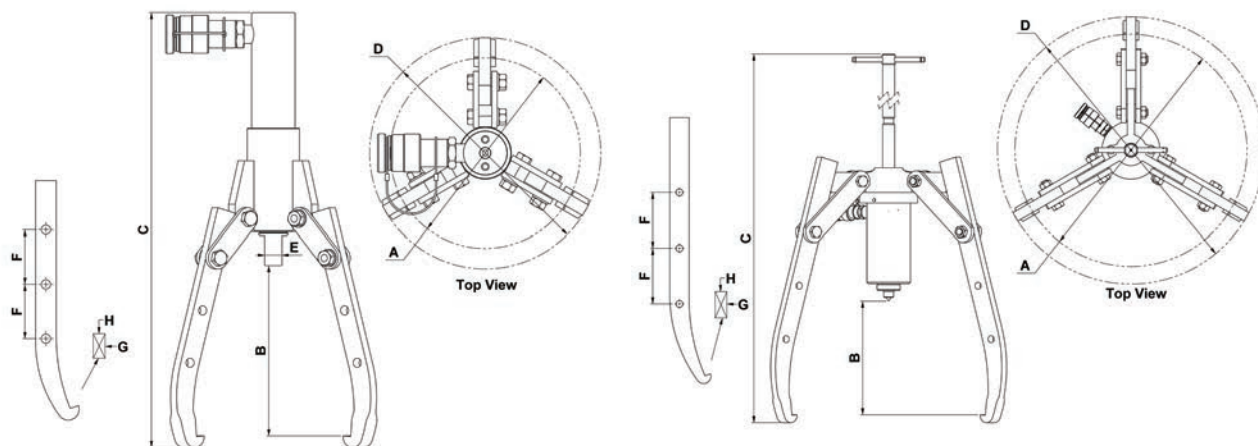


**Puller Sets - Spring Return**


| model                  |    | HP 5 M       | HP 10 M     | HP 17       | HP 30        |
|------------------------|----|--------------|-------------|-------------|--------------|
| art no                 |    | 100.012.014  | 100.012.015 | 100.562.003 | 100.562.004  |
| required cylinder      |    | HGC 5 S 12.5 | HGC 10 S 15 | HHJ 17 S 5  | HHJ 30 S 7.5 |
| return type            |    | spring       | spring      | spring      | spring       |
| connection             |    | A 118        | A 118       | A 118       | A 118        |
| weight, excl. cylinder | kg | 2.3          | 8.4         | 18.5        | 36.5         |
| weight, incl. cylinder | kg | 4.1          | 13.0        | 27.5        | 51.0         |

**Puller Sets - Spring Return (dimensions)**


| model              |    | HP 5 M | HP 10 M | HP 17 | HP 30 |
|--------------------|----|--------|---------|-------|-------|
| dimension A (min.) | mm | 30     | 50      | 80    | 100   |
| dimension A (max.) | mm | 175    | 360     | 390   | 485   |
| dimension B (min.) | mm | 57     | 157     | 10    | 60    |
| dimension B (max.) | mm | 157    | 321     | 240   | 310   |
| dimension C (max.) | mm | 400    | 622     | 950   | 1200  |
| dimension D (max.) | mm | 213    | 417     | 490   | 630   |
| dimension E        | mm | 16     | 19      |       |       |
| dimension F        | mm | 50     | 82      | 115   | 125   |
| dimension G        | mm | 20     | 25      | 32    | 40    |
| dimension H        | mm | 7      | 15      | 18    | 22    |





#### Features & benefits



- Safe; no flying off parts or sparks
- Compact and lightweight
- Easy to use
- Two or more can be used for a more equal distribution of forces

#### Standard supplied with



- High Flow female coupler A 118
- 60° Spreading wedge
- Plastic carrying box, including high-grade grease Molycote®

#### Available on request



- Spreading wedge with 30° angle:
  - FLS 85 M, art no 100.103.009
  - FLS 170 M, art no 100.103.018
  - FLS 210 M, art no 100.182.141
- Flange spreader with opening larger than 210 mm

Hydraulic Pumps

page 139

Hydraulic Hoses

page 166

Pressure Gauges

page 171

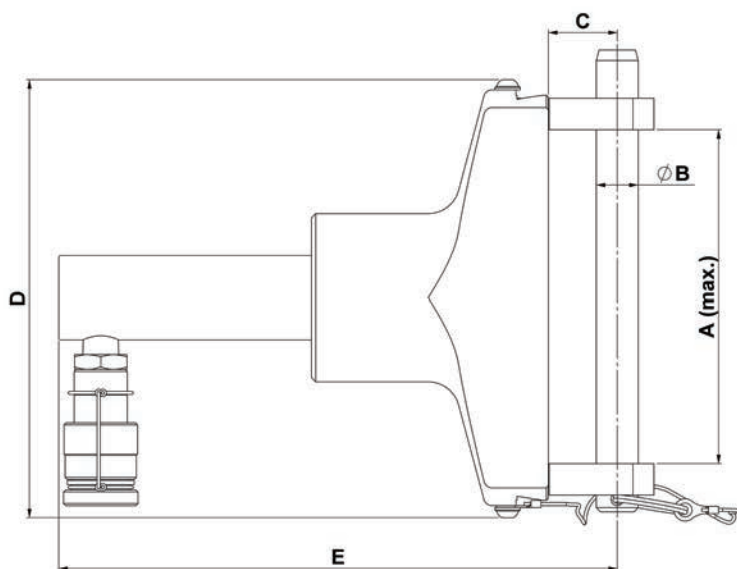


**Flange Spreaders - Spring Return**


| model                            |         | FLS 85 M    | FLS 170 M   | FLS 210 M   |
|----------------------------------|---------|-------------|-------------|-------------|
| art no                           |         | 100.012.011 | 100.012.012 | 100.012.013 |
| max. working pressure            | bar/Mpa | 720 / 72    | 720 / 72    | 720 / 72    |
| flange opening 30° wedge (min.)  | mm      | 2           | 2           | 2           |
| flange opening 30° wedge (max.)  | mm      | 25          | 25          | 25          |
| flange opening 60° wedge (min.)  | mm      | 3           | 3           | 3           |
| flange opening 60° wedge (max.)  | mm      | 32          | 32          | 32          |
| spreading force 30° wedge        | kN/t    | 73.5 / 7.5  | 73.5 / 7.5  | 73.5 / 7.5  |
| spreading force 60° wedge        | kN/t    | 34.3 / 3.5  | 34.3 / 3.5  | 34.3 / 3.5  |
| required oil content (effective) | cc      | 53          | 53          | 53          |
| return type                      |         | spring      | spring      | spring      |
| connection                       |         | A 118       | A 118       | A 118       |
| weight, ready for use            | kg      | 4.5         | 8.0         | 9.5         |
| weight, incl. case               | kg      | 6.3         | 9.5         | 11.0        |

**Flange Spreaders - Spring Return (dimensions)**


| model       |    | FLS 85 M | FLS 170 M | FLS 210 M |
|-------------|----|----------|-----------|-----------|
| dimension A | mm | 85       | 170       | 210       |
| dimension B | mm | 15       | 20        | 30        |
| dimension C | mm | 30       | 32.8      | 75        |
| dimension D | mm | 129      | 209       | 260       |
| dimension E | mm | 264      | 266       | 309       |





#### Features & benefits



- Compact
- Lightweight
- Usable in all positions
- Safe; no flying off parts or sparks
- Adjustable blade; prevents damage to the thread

#### Standard supplied with



- High Flow female coupler A 118
- Plastic carrying box, including:
  - High-grade grease Molycote®
  - Spare blade

Hydraulic Pumps

page 139

Hydraulic Hoses

page 166

Pressure Gauges

page 171



Adjustable blade; prevents damage to the thread

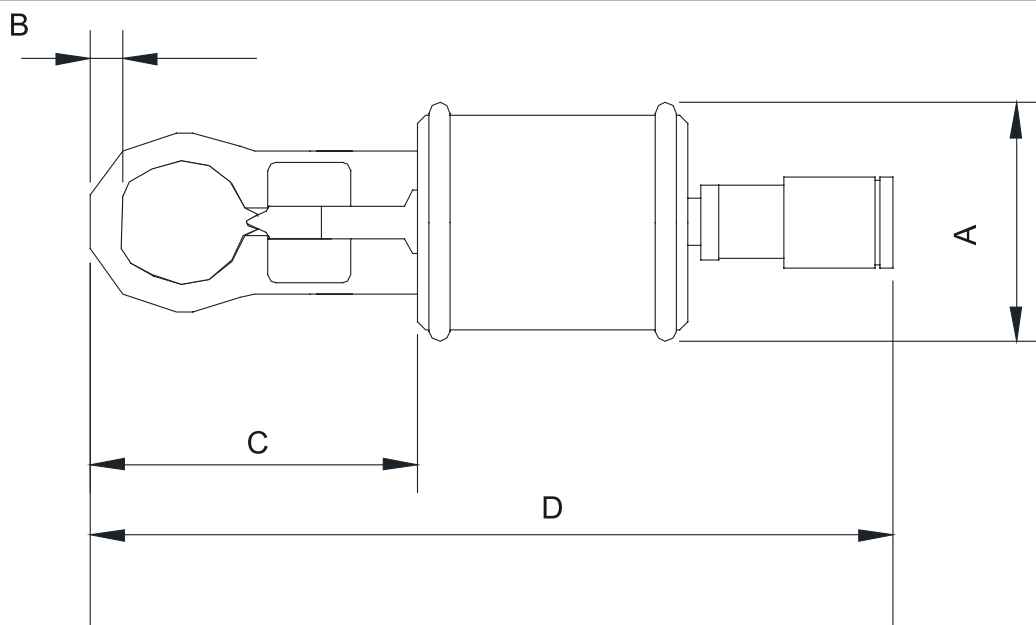


**Nut Splitters - Spring Return**


| model                            |         | HNC 1536 NU | HNC 3250 U   |
|----------------------------------|---------|-------------|--------------|
| art no                           |         | 100.102.009 | 100.102.006  |
| max. working pressure            | bar/Mpa | 720 / 72    | 720 / 72     |
| min. reach bolt                  |         | M12 (1/2")  | M22 (7/8")   |
| max. reach category 8 bolt       |         | M24 (7/8")  | M33 (1 1/4") |
| max. reach 2H bolt               |         | M20 (3/4")  | M33 (1 1/4") |
| capacity                         | kN/t    | 148 / 15.1  | 316 / 32.2   |
| required oil content (effective) | cc      | 32          | 57           |
| return type                      |         | spring      | spring       |
| weight, ready for use            | kg      | 2.9         | 7.2          |
| weight, incl. case               | kg      | 4.2         | 8.6          |
| thickness cutting head           | mm      | 23          | 33           |

**Nut Splitters - Spring Return (dimensions)**


| model       |    | HNC 1536 NU | HNC 3250 U |
|-------------|----|-------------|------------|
| dimension A | mm | 86          | 118        |
| dimension B | mm | 11          | 19         |
| dimension C | mm | 104         | 139        |
| dimension D | mm | 277         | 321        |






**Features & benefits**


- Compact
- Lightweight
- Spark-free; safe alternative for grinding
- Quick and reliable
- Usable in all positions
- Hardened blade that can be sharpened

**Standard supplied with**


- Carrying/storage bag

Hand Pumps

page 140

Hydraulic Hoses

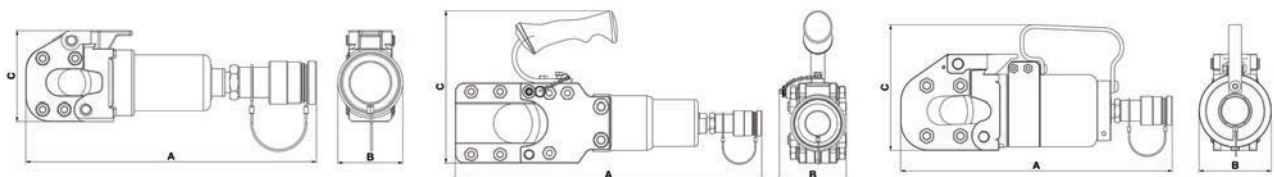
page 166

Pressure Gauges

page 171

**Steel Cable Cutters - Spring Return**


| model                            |         | HWC 16 A      | HWC 25 A       | HWC 32 A       |
|----------------------------------|---------|---------------|----------------|----------------|
| art no                           |         | 100.012.017   | 100.012.018    | 100.012.019    |
| cutter type                      |         | steel cable   | steel cable    | steel cable    |
| max. working pressure            | bar/Mpa | 720 / 72      | 720 / 72       | 720 / 72       |
| max. jaw opening                 | mm      | 20            | 50             | 32             |
| capacity Ø steel cable 6x7       | mm      | 16            | 25             | 32             |
| capacity Ø steel cable 6x12      | mm      | 20            | 30             | 32             |
| capacity Ø steel cable 6x19      | mm      | 20            | 30             | 32             |
| capacity Ø solid steel           | mm      | 13            | 19             | 25             |
| capacity Ø reinforcing steel     | mm      | 13            | 19             | 25             |
| capacity Ø ground cable          | mm      | 18            | 50             | 32             |
| capacity                         | kN/t    | 52 / 5.3      | 146 / 14.9     | 249 / 25.4     |
| required oil content (effective) | cc      | 49            | 106            | 135            |
| return type                      |         | spring        | spring         | spring         |
| weight, ready for use            | kg      | 2.0           | 8.4            | 8.9            |
| temperature range                | °C      | -20 + 55      | -20 + 55       | -20 + 55       |
| dimensions (AxBxC)               | mm      | 242 x 54 x 75 | 425 x 91 x 210 | 340 x 90 x 156 |







**Features & benefits**



- Compact
- Lightweight
- Spark-free; safe alternative for grinding
- Quick and reliable
- Usable in all positions
- Hardened blade that can be sharpened

**Standard supplied with**



- Carrying/storage bag

Hydraulic Pumps

page 139

Hydraulic Hoses

page 166

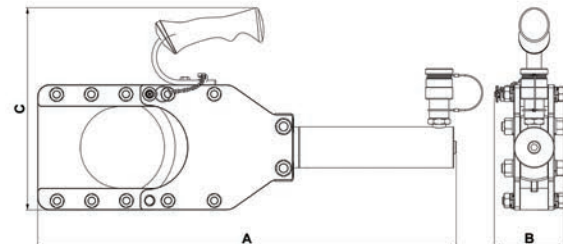
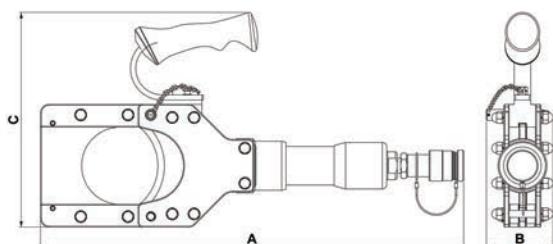
Pressure Gauges

page 171

**Power Cable Cutters - Spring Return**



| model                            | HCC 85 A          | HCC 100 A      |
|----------------------------------|-------------------|----------------|
| art no                           | 100.012.020       | 100.012.021    |
| cutter type                      | power cable       | power cable    |
| max. working pressure            | bar/Mpa 720 / 72  | 720 / 72       |
| max. jaw opening                 | mm 85             | 100            |
| capacity Ø ground cable          | mm 50             | 75             |
| capacity Ø telephone cable       | mm 85             | 100            |
| capacity                         | kN/t 49 / 5       | 87 / 8.9       |
| required oil content (effective) | cc 65             | 140            |
| return type                      | spring            | spring         |
| weight, ready for use            | kg 6.8            | 12.7           |
| temperature range                | °C -20 + 55       | -20 + 55       |
| dimensions (AxBxC)               | mm 485 x 76 x 245 | 545 x 85 x 263 |





HCC 150



### Features & benefits



- Compact
- Lightweight
- Spark-free; safe alternative for grinding
- Quick and reliable
- Usable in all positions
- Hardened blade that can be sharpened

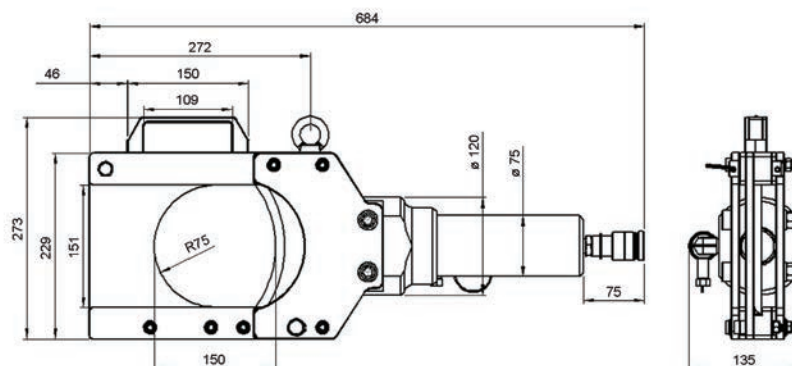
Hydraulic Pumps  
Hydraulic Hoses  
Pressure Gauges

page 139  
page 166  
page 171

### Power Cable Cutters - Hydraulic Return



| model                            | HCC 150     |              |
|----------------------------------|-------------|--------------|
| art no                           | 100.522.150 |              |
| cutter type                      | power cable |              |
| max. working pressure            | bar/Mpa     | 720 / 72     |
| max. jaw opening                 | mm          | 150          |
| capacity Ø ground cable          | mm          | 140          |
| capacity Ø telephone cable       | mm          | 150          |
| capacity                         | kN/t        | 203.6 / 20.8 |
| required oil content (effective) | cc          | 452          |
| return type                      | hydraulic   |              |
| weight, ready for use            | kg          | 24.9         |





HPS 60 AU


**Features & benefits**


- Environmentally friendly; limits leaking of dangerous liquids
- Large squeeze surface of 60 mm; squeezes pipes with a maximum diameter of 60 mm
- Easy to install; can be opened and closed by hand very quickly without any tools
- Prevents/limits potentially dangerous situations; saves costs in case of accidents

Hydraulic Pumps

page 139

Hydraulic Hoses

page 166

Pressure Gauges

page 171

**Pipe Squeezer - Spring Return**


| model                            | HPS 60 AU   |                 |
|----------------------------------|-------------|-----------------|
| art no                           | 100.102.019 |                 |
| max. working pressure            | bar/Mpa     | 720 / 72        |
| max. outside diameter pipe       | mm          | 60              |
| max. wall thickness pipe         | mm          | 4               |
| max. squeezing force             | kN/t        | 152.9 / 15.6    |
| required oil content (effective) | cc          | 130             |
| return type                      | spring      |                 |
| remaining opening                | mm          | 2               |
| weight, ready for use            | kg          | 8.6             |
| dimensions (LxWxH)               | mm          | 410 x 212 x 155 |
| temperature range                | °C          | -20 + 55        |

