

# ROLLER'S Disc 100 22V

Patent  
EP 1 782 904



German Top Quality



Compact, light, robust hybrid pipe cutting machine for cordless and mains operation. For mobile cutting and deburring pipes of the press fitting systems made of stainless steel, copper, carbon steel, Ø 8–108 mm, steel pipes EN 10255 (DIN 2440) DN 6–100, Ø 1/8–4", Ø 10–115 mm, cast iron pipes (SML) EN 877 (DIN 19522) DN 50–100, plastic pipes SDR 11 wall thickness  $s \leq 10$  mm, Ø 10–110 mm, composite tubes Ø 10–110 mm. Li-Ion 21.6 V, 5.0 Ah battery for approx. 280 cuts Ø 22 mm per battery charge\*.

- Universal for cutting many types of pipes.
- Also ideal for right-angled and fast cutting of stainless steel tubes and copper tubes of the pressfitting systems, e. g. stainless steel tubes Ø 54 mm in only 4 s.
- Adapted to the requirements of the pressfitting systems:
  - For cutting without external burr, by ROLLER'S special cutting wheel.
  - For dry cutting, therefore no damage to the O-ring by coolant-lubricants.
  - For fast cutting, without impairment of the pipe material by overheating.
  - For chipless cutting, therefore no chips in the pipe system.
  - For right-angle cutting, according to requirements.
- Easy to operate, no setting work, no tools necessary.
- Strong, torsion-free cast structure for right angled cutting. Easy cutting of the pipes by specially designed cutter wheel. Driven cutting wheel and straight feed for fast cutting (Patent EP 10 1 782 904). Effortless feeding by easy-grip, proven feed lever and trapezoidal screw spindle on needle bearing. Cutting wheel protected against touching the running rollers by in-feed limitation.
- With 4 strong, hardened precision tubular steel running rollers on ball bearings mounted for low-friction rotation of the pipes Ø 22–115 mm, Ø 3/4–4", to be cut, trapezoidally arranged, replaceable. No setting work in the whole working range Ø 22–115 mm. Stainless tubular steel rollers (accessory). Cutting of pipes Ø 8–22 mm by placing two pipe sections Ø 28 × 220 mm on the running rollers.
- Optimally set cutting speed (84 rpm) for fast, quiet cutting.
- Low weight, easily portable. Drive unit with battery only 16.8 kg. Practical handle for easy transport
- Robust, maintenance-free gear with high efficiency.
- Powerful 21.6 V battery motor, with safety foot switch.
- Machine status check with overload protection by temperature monitoring of the motor (NTC) with electronic battery charging status check with charging status indicator by a 2-coloured green/red LED.
- **Li-Ion 22 V technology**  
Highly resistant Li-Ion 21.6 V batteries with 5.0 or 9.0Ah capacity, for long service life. Powerful and light. Li-Ion 21.6 V, 5.0 Ah battery for approx. 280 cuts, 9.0 Ah for approx. 520 cuts of pipes of the stainless steel pipe Ø 22 mm press fitting systems per battery charge\*. Graduated charging status indicator by coloured LEDs. Operating temperature range –10 to +60 °C. No memory effect for maximum battery power. 100–240 V, 50–60 Hz, 90 W rapid charger. 100–240 V, 50–60 Hz, 290 W rapid charger, for shorter charging times (accessories).
- **For cordless and mains operation**  
100–240 V/21,6 V, 40 A power supply, for mains operation instead of Li-Ion 21.6 V battery (accessory).
- For workbench. Subframe or mobile subframe (accessory), for easy transport, optimum working height and stable positioning. An alternative feed lever is available for operating the drive unit on the floor (accessory).
- An alternative feed lever (accessory) is available for operating the drive unit on the floor. Pipe rest, height adjustable, for pipes Ø 40–110 mm, Ø 1 1/2–4", for operation of the drive unit with feed lever on the floor (accessory).
- Special cutting wheels each with a special cutting geometry are adapted to the performance data of ROLLER'S Disc 100 22V and the material to be cut and enable fast cutting without outer burr. All cutting wheels made from proven, tenacious special steel for extremely long life.
- **For fast easy removal of burr.**  
For electrical drive by ROLLER Disc 100 or Disc 100 22V pipe cutting machine **Inner pipe deburrer ROLLER'S Rondo 28–108** (accessory) for pipes Ø 28–108 mm, Ø 3/4–4". With surrounding friction element on the deburrer housing (Patent EP 2 500 122) for electric rotary drive by the cutting wheel of the pipe cutting machine ROLLER'S Disc 100, ROLLER'S Disc 100 22 V.  
**Inner/outer pipe deburrer ROLLER'S Rondo 10–54 E** (accessory) for pipes Ø 10–54 mm, Ø 1/2–2 1/8", see page 168.
- Marking device for marking the insertion depth for fittings on pipes (accessory)

With ROLLER'S Rondo 28–108



With ROLLER'S Rondo 10–54 E



With feed lever for operation on the floor



With mobile subframe and Assistant 3B



## ROLLER'S Disc 100 22V Basic

21.6V drive unit with running rollers made of hardened precision steel, safety foot switch, Li-Ion 21.6 V, 5.0 Ah battery, 100–240 V, 90 W rapid charger, ring spanner, without cutting wheel

845002 A220 **2.055,24**

### Accessories

<b>Li-Ion 21.6 V, 5.0 Ah battery</b>	571581 A22	310,36
<b>Li-Ion 21.6 V, 9.0 Ah battery</b>	571583 A22	414,16
<b>100–240 V, 50–60 Hz, 90 W rapid charger</b>	571585 A220	175,42
<b>100–240 V, 50–60 Hz, 290 W rapid charger</b>	571587 A220	414,16
<b>Li-Ion 220–240 V/21,6 V, 50–60 Hz, 40 A power supply, for mains operation instead of Li-Ion 21.6 V battery</b>	571578 A220	517,96
<b>ROLLER'S cutting wheel Cu/INOX</b> for pipes of the pressfitting systems of stainless steel, copper, C-steel	845050 A	111,07
<b>ROLLER'S cutting wheel Cu</b> specially for pipes of the pressfitting systems of copper	845053 A	111,07
<b>ROLLER'S cutting wheel St</b> for steel pipes, cast pipes (SML)	845052 A	111,07
<b>ROLLER'S cutting wheel V, s 10</b> for plastic and composite tubes (wall thickness $s \leq 10$ mm)	845051 A	111,07
<b>ROLLER'S cutting wheel C-SF</b> especially for pipes of the pressfitting systems/push fitting systems of carbon steel, simultaneously produces a chamfer.	845055 A	111,07
<b>Feed lever with spring plug for operating the drive unit on the floor</b>	845218 R	91,66
<b>Pipe rest 1, height adjustable, for pipes <math>\varnothing 40-110</math> mm, <math>\varnothing 1\frac{1}{2}-4</math>"</b> , with operation of the drive unit with feed lever on the floor	845230 R	152,59
<b>Rollers, pack of 4, of hardened, precision steel</b>	845118 R	214,87
<b>Rollers INOX, pack of 4, of stainless steel</b>	845110 RINOX	303,10
<b>Marking device</b> for marking the insertion depth for fittings on pipes. For ROLLER'S Disc 100 or Disc 100 22V	845530 R	129,75
<b>ROLLER'S Rondo 28–108</b> Inner pipe deburrers for pipes $\varnothing 28-108$ mm, $\varnothing \frac{3}{4}-4$ ". For electric rotary drive by the cutting wheel of the ROLLER'S Disc 100 or ROLLER'S Disc 100 22V (with cutting wheel Art. No. 845050 or 845053)	113840 A	333,20
<b>ROLLER'S Rondo 10–54 E</b> Inner/outer pipe deburrers for pipes $\varnothing 10-54$ mm	See page 168	
<b>Subframe</b>	849315 R	216,94
<b>Subframe, mobile</b>	849310 R	351,88
<b>ROLLER'S Werkmeister, collapsible workbenches</b>	See page 170	
<b>ROLLER'S Assistent, height adjustable material rests</b>	See page 172	
<b>ROLLER'S Worklight 2800 22V</b> cordless LED flood light	see page 173	

