

# DVR M

## DVR M – Precision meets mobility

The DVR M welding rotary device represents a new generation of tools in the field of orbital welding. It was specially developed for applications that require maximum precision, flexibility, and efficiency – both in stationary production and in mobile use on construction sites. Its sophisticated design combines compact construction with industrial robustness, making it an indispensable part of modern welding processes.



The DVR M allows demanding welding tasks to be carried out reliably and reproducibly. The device is designed to deliver consistently high quality even with frequent workpiece changes. This is particularly important in series production or in the prefabrication of pipe systems. The ability to process complex components such as fittings, flanges, or shaped pieces safely and precisely opens up new possibilities in process design.

Special attention was paid to ergonomics and user-friendliness. The device is controlled directly via an integrated control panel, which enables intuitive operation and provides optimum support for the operator in their daily work. The manual adjustability of the swivel frame in several positions allows flexible adaptation to different welding positions – both horizontal and vertical.

The DVR M is not just a tool, but a real productivity booster. It reduces setup times, minimizes sources of error, and ensures consistently high welding quality. Its compatibility with various power sources and accessory components makes it a versatile partner in a wide range of production environments.

Thanks to its compact design, the DVR M is easy to transport and store in a space-saving manner. This is particularly advantageous in dynamic working environments where mobility and rapid deployment are required. The robust construction ensures a long service life even under demanding conditions – a real plus for companies that value reliability and cost-effectiveness.

### The advantages at a glance:

|   |   |
|---|---|
| Compact and mobile: Thanks to its space-saving design, it is ideal for use on construction sites – easy to transport and quickly stowed away when not in use. | ✓ |
| Integrated control panel: Built directly into the machine frame – for maximum ergonomics and ease of use.   | ✓ |
| High productivity and repeatability: Process multiple workpieces with the same settings – reduces setup times and welding errors.                             | ✓ |
| Precise welding quality: Exact alignment and tool-free adjustment of the TIG torch.   | ✓ |
| Large hollow shaft diameter (72 mm): Ideal for forming and holding long workpieces.   | ✓ |
| Swivel turntable (0°–90°): For horizontal and vertical welding positions.   | ✓ |
| Robust & durable: Designed for continuous industrial use.   | ✓ |
| Compact design: Saves space and increases flexibility in the workplace.   | ✓ |
| Reusable, fork-liftable transport crate: For safe, efficient transport, even with a forklift or pallet truck.   | ✓ |

# Technical specification



Illustration: DVR M set for vertical welds



Illustration: DVR M set for horizontal welds



Illustration: Control panel for greater user comfort



Illustration: Position stop for torch arm



Illustration: Torch holder with joints on cross slide for fine adjustment.

| AREA OF APPLICATION  |  |   |
|--|--|---|
| orbital welding of thin-walled pipes, fittings, flanges, and shaped pieces   |  |   |
| Ideal for non-orbital components with high quantities  |  |   |
| Optimal for prefabrication and pre-assembly of workpieces  |  |   |
| Supplement to orbital weld head  |  |   |
| Use in workshops and on construction sites   |  |   |
| GENERAL SPECIFICATIONS   |  |   |
| Diameter Range   | 9.53 - 230.00 mm (0.375 - 9.055 in)              |   |
| Hollow shaft diameter  | 72 mm (2.835)                                    |   |
| Angle of inclination – turntable   | 0°–90° in 22.5° increments                       |   |
| WELDING SPECIFICATIONS   |  |   |
| Welding current @ 100% duty cycle Gas-cooled torch   | 100 A  |   |
| Welding current @ 35% ED Gas-cooled torch  | 140 A  |   |
| DRIVE AND MOTOR  |  |   |
| Supply voltage   | 24 V DC  |   |
| Drive motor  | DC encoder motor                                 |   |
| WORKPIECE DIMENSIONS AND LOAD CAPACITY   |  |   |
| Max. component load capacity without counter support   | 10 kg  |   |
| Max. component load capacity with counter support  | 20 kg  |   |
| Max. welding position Mounting point - welding position  | 300 mm   |   |
| Max. workpiece length without counter support  | 500 mm   |   |
| Max. workpiece length with counter support   | 2000 mm  |   |
| Max. Projecting bodies - horizontal clamping alignment:  | 250 mm   |   |
| Max. Projecting bodies - vertical clamping alignment:  | 300 mm   |   |
| DIMENSIONS AND WEIGHT  |  |   |
| Dimensions:  | 670 x 665 x 600 mm<br>(26.38 x 26.18 x 23.62 in) |   |
| turntable weight   | 22.00 kg   |   |
| Weight of stand  | 4.83 kg  |   |
| Weight Machine Burner GC   | 2.23 kg  |   |
| Weight 3-jaw chuck   | 14.16 kg   |   |
| Weight Transport case  | 33.50 kg   |   |
| SCOPE OF DELIVERY  |  |   |
| DVR M welding turning device   | ST   | 1 |
| Torch Stand  | ST   | 1 |
| TIG machine torch, gas-cooled  | ST   | 1 |
| accessory set DVR M  | ST   | 1 |
| Transport Case   | ST   | 1 |
| General safety instructions Welding turning devices  | ST   | 1 |
| <p><b>NOTICE! The rotating chuck, control cable, and ground cable are not included in the scope of delivery, but are essential for use and must be ordered separately!</b></p> <p><i>The technical specification is non-binding. It does not constitute a guarantee of properties. Subject to change without notice.</i></p> |  |   |



## DVR M

**NOTICE! Can only be used in conjunction with a power source from the Mobile Welder, Smart Welder, or Power Welder series!**

The following accessories are essential for using the welding turning device and must be ordered separately.

- Three-jaw rotary chuck [▶ 4]
- Control cable [▶ 4]
- Ground cable [▶ 4]

| ARTICLE | CODE      | SHIPPING WEIGHT KG |
|---------|-----------|--------------------|
| DVR M   | 855000030 | 50                 |

*\*Included in scope of delivery and transport case*

# Accessories



Illustration: Three-jaw chuck DVR M

## Three-jaw chuck DVR M

Centric clamping three-jaw chuck made of hardened and ground steel.  
With cylindrical mount for clamping the pipe.  
Inner diameter of hollow shaft: 72 mm.

The scope of delivery includes:

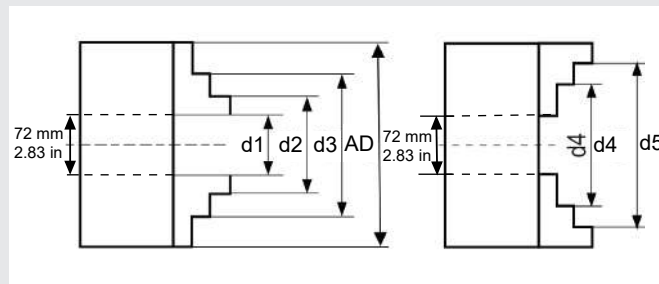
- 1 three-jaw chuck
- 1 spring-loaded safety wrench
- 1 set each of turning and drilling jaws, stepped inwards and outwards
- 1 set of fastening screws for chuck to rotary table

The three clamping jaws are stepped outwards, resulting in different clamping ranges:

**Internal clamping ranges: d1, d4, d5**

**Outer clamping ranges: d2, d3**

The hollow shaft allows pipes with a max. OD of 72 mm (2.83 in) to be pushed through.



### CLAMPING RANGES THREE-JAW CHUCK

| d1                         | d2                        | d3                         | d4                        | d5                           |
|----------------------------|---------------------------|----------------------------|---------------------------|------------------------------|
| 9.53-90 mm<br>0.38-3.54 in | 52-135 mm<br>2.05-5.31 in | 120-202 mm<br>4.72-7.95 in | 60-145 mm<br>2.36-5.71 in | 130-200 mm<br>5.118-7.874 in |

| ARTICLE                     | OUTER Ø CHUCK [MM] | OUTER Ø CHUCK [INCH] | INNER Ø HOLE [MM] | INNER Ø HOLE [INCH] | CODE      | KG    |
|-----------------------------|--------------------|----------------------|-------------------|---------------------|-----------|-------|
| Three-jaw lathe chuck DVR M | 200                | 9.06                 | 72                | 2.83                | 855002001 | 14.16 |

## Control cable TP/MH/DVR M

Suitable for all ORBIWELD TP and MH orbital weld heads and the DVR M welding turning device.

Required for use with DVR M welding turning devices.

| ARTICLE                   | LENGTH [M] | LENGTH [FT] | CODE      | KG    |
|---------------------------|------------|-------------|-----------|-------|
| Control cable TP/MH/DVR M | 7,5        | 24.6        | 811050003 | 1,202 |

## Ground cable

For use in combination with an orbital welding power source from the Mobile Welder and Smart Welder series.

| ARTICLE                                | LENGTH [M] | LENGTH [FT] | CODE      | KG    |
|--|------------|-------------|-----------|-------|
| Ground cable for welding turntable DVR | 5          | 16.40       | 890030015 | 2,100 |



Illustration: Control cable to DVR M



Illustration: Ground cable to DVR M