



**Military Vehicle  
Maintenance Equipment**

# Military Wheel Solution TMW 20 S



**Operational Force  
Absolute Control**

# TMW 20 S

This solution is designed to meet the most stringent requirements of **maintenance on military and defence vehicles with Hutchinson RFT run flat system**. This equipment combines structural robustness, operational control and reliability over time, ensuring consistent performance even under intensive use. It conveniently and safely handles all work steps on reinforced carcass tyres with **Toroidal insert**.

**The mobile hydraulic control unit ensures a thrust force of up to 45,000 N**, guaranteeing efficient, controlled and safe operations, providing the operator with a safe tool consistent with the highest professional standards.

## GENERAL FEATURES

### Structure

The high-strength steel load-bearing structure is designed to ensure **high rigidity and stability during operations, offering long-term reliability** even with heavy and prolonged use.

### Control unit

It is designed to ensure **progressive and controlled movements**, allowing the operator to handle each work step safely with **precision and continuity of operation**.

### Technical solutions

The solutions adopted allow handling the Run Flat system extraction operations in a **continuous and controlled manner**, limiting stress and reducing the risk of damage to the tyre and internal components.



## APPLICATIONS

- Heavy-duty military transport vehicles
- Armoured and tactical vehicles
- Military light-duty vehicles.

### Balance

The combination of **operational precision, movement control and ease of use** makes TMW 20 S an efficient and reliable solution, in line with **Mondolfo Ferro's experience and quality standards**.

### Critical components

The main components are made from **selected materials using protective treatments**, designed to ensure **durability, reliability and low maintenance requirements**.

## PRESS FOR SIDE RING REMOVAL

The rim clamping system on the tyre changer turntable **ensures a stable and precise fit**.

The hydraulic press, powered by an independent control unit, **ensures high safety standards and maximum operating precision**, reducing work time and operator effort.



### MAIN TECHNICAL FEATURES

- Standalone, transportable station for maximum operational flexibility
- Power supply of 400V/3/50-60 Hz (230V/3/50-60 Hz version available on request).
- Designed for extraction of toroidal ring Run Flat systems, compatible with Hutchinson VFI and bead-lock systems with rigid ring.
- High level of operational safety.
- Simple and intuitive operation, with progressive manual controls for precise control of each step.
- Solution ideal for independent workshops and military maintenance service centres.



### OPERATIONAL PHASES

**Clamping** of the rim on the tyre changer and subsequent mounting/demounting of the tyre with integrated Run Flat system, using the pressing equipment supplied for side ring removal.



1



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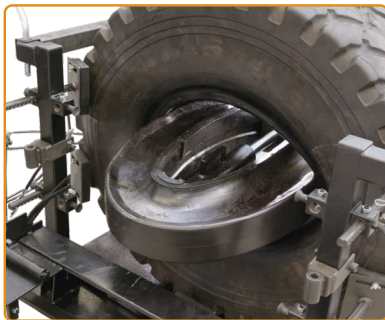


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**Extraction and insertion** of the Run Flat toroidal ring system from/into the tyre using the standalone extraction station.



For more information, scan the QR code to watch the video available on the website.

### OPTIONAL KITS ON REQUEST

8-12120050/90

TOROID HANDLING ROLLER CONVEYOR



8-12120051/90

16" TYRE MAINTENANCE KIT

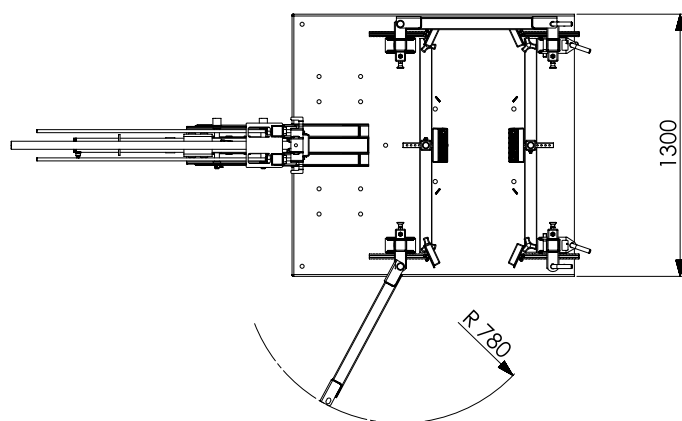
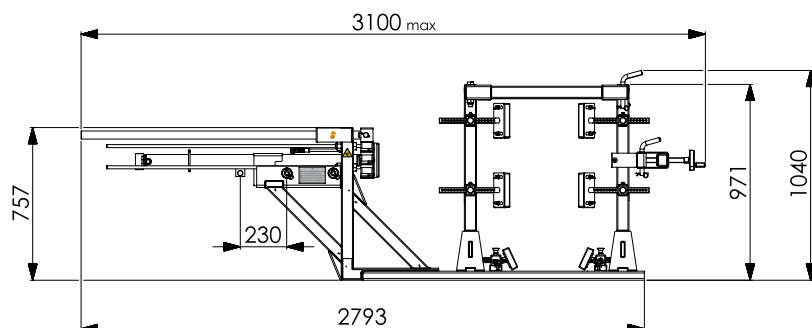


For other accessories, please refer to the relevant catalogue.

The manufacturer reserves the right to modify the features of its products at any time.

### DIMENSIONS

### SPECIFICATIONS



MAXIMUM WHEEL DIAMETER	1600 mm
MAXIMUM WHEEL WIDTH	650 mm
MOST FREQUENTLY USED TYRE TYPES (BY WAY OF EXAMPLE)	12.00R20 14.00R20 325/85R16 335/80R20 365/80R20 395/85R20
MAXIMUM WHEEL WEIGHT	600 kg
CLAMPING CAPACITY	14"-26"
RUN FLAT SYSTEM TYPE	HUTCHINSON VFI
OVERALL DIMENSIONS	3000X1300X1050
POWER SUPPLY	400/3/50-60 230/3/50-60 (ON REQUEST)
DRIVES	HYDRAULIC - PROGRESSIVE MANUAL
EQUIPMENT WEIGHT	500 kg