CORGHI

Military Vehicle
Maintenance Equipment

Military Wheel Solution 20





Power

Precision

Total Safety

Military Wheel Solution 20

Designed for the **maintenance of tyres for military and defence vehicles with Hutchinson RFT run flat system**. This equipment is solid, robust and designed for maximum operational efficiency. It conveniently and safely handles all work steps on reinforced carcass tyres with **Toroidal insert**.
The **mobile hydraulic control unit** provides a **thrust force of up to 45,000 N,** guaranteeing **efficient, controlled and safe operations,** with maximum protection for the operator.

GENERAL FEATURES

Structure

Made of high-strength steel load-bearing structure, it is designed and dimensioned to guarantee **maximum rigidity, operational stability and reliability over time**, even under heavy and continuous use.

Control unit

It offers **high precision and full control of operations** thanks to handling systems designed for a **progressive and controlled action,** allowing the operator to handle each work phase **accurately, safely and with operational continuity**.

Technical solutions

They allow a **constant control to be maintained during Run Flat system extraction,** 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

Control, precision and ease of use make Military Wheel Solution 20 a reliable and high-performance solution, fully consistent with Corghi's **quality standards and technological expertise** in the professional equipment sector.

Critical components

Manufactured with **selected materials and protective surface treatments**, they ensure a **long service life** and help **reduce maintenance requirements**, increasing overall system efficiency.

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.



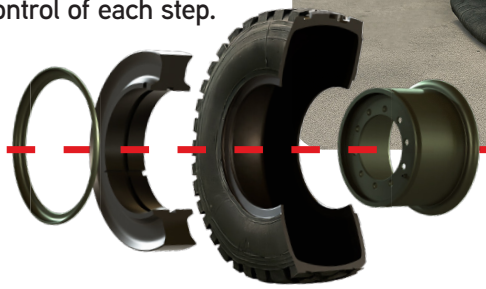
Military Wheel Solution 20 | MWS 20

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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



2

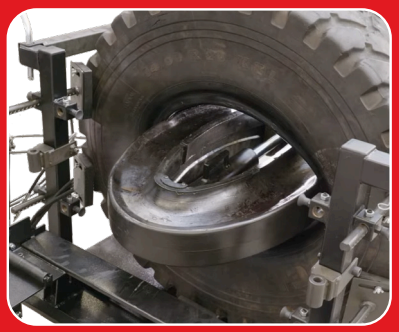


3



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







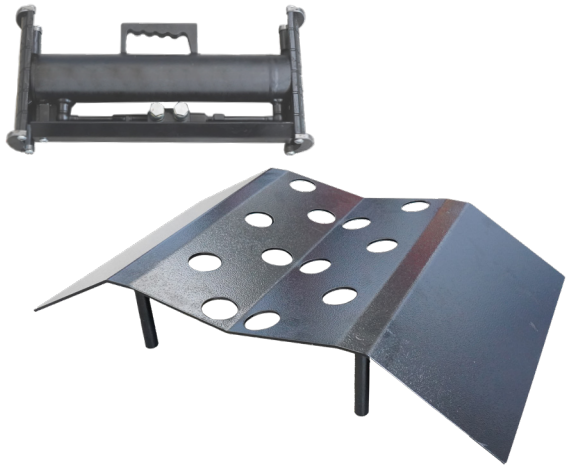
For more information, scan the QR code to watch the video available on the website.

OPTIONAL KITS ON REQUEST

8-12120050/90
TOROID HANDLING ROLLER CONVEYOR

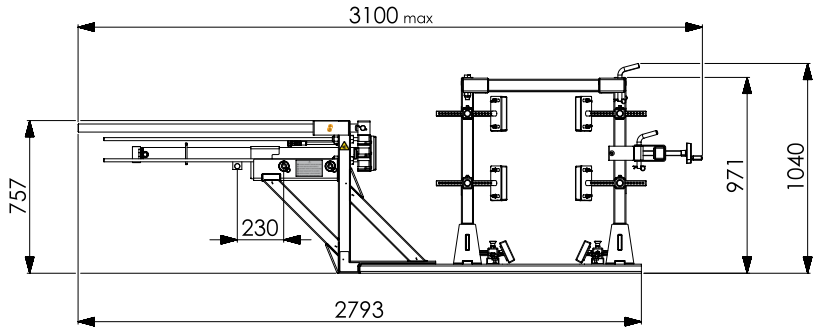


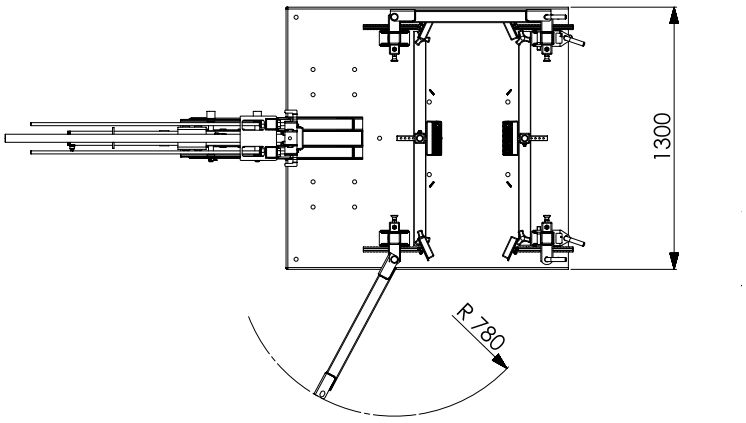
8-12120051/90
16" TYRE MAINTENANCE KIT



For other accessories, please refer to the relevant catalogue.

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

WARNING: it is recommended to verify in advance that the equipment is compatible with the specifications relating to tires, rims, and any integrated run-flat systems. in case of doubt, please contact nexion to obtain and share the relevant specifications.

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

www.corghi.com

CORGHI is a brand of the Nexion Spa Group
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