

# Pro-fit

High-quality professional automatic tyre changer

**DQN**  
DU QUESNE

Free!  
Choose your  
RAL colour



## OPTIONAL ACCESSORIES

- Claw covers
- +3" claws for rims up to 26"
- Manu-fit A for small wheels: quad, cart, wheelbarrow, etc. as from 4" to 21"



## SPECIFICATIONS

- For run-flat, low profile tyres and all other passenger car, motorcycle and van wheels as from 10" to 23"
- Standard colour: red RAL 3020

## STANDARD EQUIPMENT

- Run-flat arm for mounting and dismounting of run-flat and low-profile tyres
- Tyre-inflator with calibrated air gauge
- Dismounting lever
- Trident
- Rim edge protector
- Rubber spacers
- Mounting paste + brush

## TECHNICAL INFORMATION

RIM Ø	10" - 23" (26")
THREE-PHASE MOTOR	0,95kW-230/400V-50Hz
MAX. WHEEL WIDTH	96 cm
MAX. TYRE WIDTH	31,5 cm
RIM WIDTH	2" to 11" (13" at beadbreaker)
BEAD BREAKER AIR PRESSURE	8 - 15 bar
MIN. DIMENSIONS	L 92 x W 97 x H 145 cm
MAX. DIMENSIONS	L 120 x W 103 x H 177 cm
WEIGHT	217 kg
WORK SURFACE	150 cm x 150 cm

## OPTIONS

- Motor with other voltages
- RAL colour on demand
- Customized adaptations
- Maintenance service (only in Belgium and Luxembourg)



📍 Neerveld 9 - 2550 Kontich - België

☎ +32 3 201 51 10 ✉ info@dqn.be 🌐 www.dqn.be





### SWIVEL ARM (DQN PATENT)

The Pro-fit is equipped with a swivel arm of unequalled rigidity that always keeps the mounting head away from the rim.

The positioning of the mounting head and the automatic distance taking of the rim is done in a single movement. In addition, this adjustment is preserved from one wheel to the other.

The design of the mounting head is the result of a long work experience. It limits the tensions in the tyre to a minimum!

### CLAMPING PLATE (DQN PATENT)

The Pro-fit is equipped with an electromechanical (non-pneumatic) clamping plate. The great advantage is that the clamping has no elasticity unlike a pneumatic system (Air is compressible and always leaks out at the swivel).

Its unique control system ensures the automatic transition from rim clamping to the rotation of the plate. The greater the resistance to rotation, the greater the clamping will be. The plate does not clamp more than necessary and always clamps tight enough (DQN feature).

The grip from the outside of the rim ensures a perfect centring and horizontal positioning (contrary to an inside grip).

The "Smooth-Grip" claws distribute the forces in the rim and avoid any deformation of it. The rim edge is also protected thanks to a perfectly smooth contact surface.

Its capacity from 10" to 23" allows you to work with all passenger car, motorcycle and light vehicles wheels on the market. (Up to 26" for the most exceptional cases with +3" claws).

Its driving power allows it to keep a rotation speed of 11 rpm at full load (NB: the machine needs less than 5 rotations to do a full dismounting and re-mounting).



## The "Stress-less" trio



### **TRIDENT (DQN PATENT)**

Used together with the run-flat arm, this accessory can be placed in a second and allows you to mount the most difficult tyres.

The trident uses the resistance force on one side when mounting the tyre to force it to take its place on the other side. This surprising power transmission offers the advantage of limiting unnecessary tensions and of being powerful enough.



### **RUN-FLAT ARM (DQN PATENT)**

It is a multi-purpose arm that requires no adjustment. It pushes the bead well into the rim and allows the dismounting spacer to be placed. During the dismounting process it helps lift the tyre to find the second bead.

It is very efficient when used together with the trident for the mounting of all types of low-profile and run-flat tyres.



### **DISMOUNTING SPACER (EXCLUSIVE TO DQN)**

The dismounting spacer holds the bead in the groove of the rim opposite to the mounting head and allows the bead to be lifted over the dismounting tool effortlessly. It keeps the tyre in place without unnecessary tensions and is placed in no time.

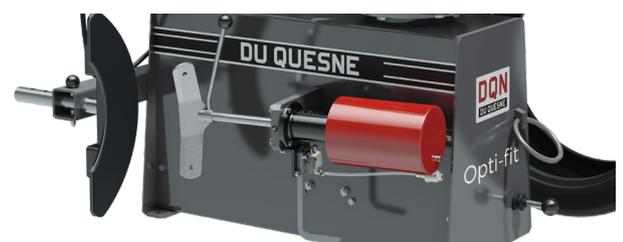
These three features completely replace all motorized mechanical assistants. Here, the driving force is the resistance of the tyre itself. None of these features require prior adjustment or positioning. Features that illustrate DQN's "less is more" philosophy.

### **POWERFUL LINEAR BEAD BREAKER (DQN FEATURE)**

The bead breaker shovel "the ram" with pre-positioning is designed to maintain the desired position on the tyre, whether it is a tyre with rim edge protection, run-flat or standard tyres.

The linear motion offers many advantages: the full power of the cylinder is directly related to the ram, making it a very powerful bead breaker. There is no need to change the angle of the wheel based upon the rim width. It allows to have a better visualization of the trajectory and to avoid contact between the rim and the ram.

The bead breaker spacer is an accessory that prevents the tyre from sticking back and makes it easier to grip the rim with the "Smooth-Grip" claws of the clamping table.



# SERVICE MAINTENANCE



Are you a professional? Do you like quality equipment? Do you believe that taking care of your equipment also means taking care of your team and customers? You don't like bad surprises?

Then this maintenance service\* is for you. It guarantees that your machines will work perfectly and increases their productivity and lifespan.

This practical service provides a complete yearly maintenance for 3 years.

We contact you when it is time for a new maintenance so you don't have to think about this yourself anymore.

\*Only available in Belgium and Luxembourg

Decreasing price according to the number of machines € ↘



Opti-fit

Manu-fit

Ergo-Line

