

AG Double T.T.L



General description

The AG DOUBLE T.T. L tyre changer is one of the most efficient, complete products on the market thanks to the array of **automated** functions it offers. **Reliability, versatile and construction quality** are the key features of this product, which has always achieved impressive sales success. It is an automatic tyre changer suitable for mounting and demounting tubeless tyre van, truck and bus wheels, supersingle wheels and wheels with rim loop. It is **electrohydraulically** operated and the controls are all located together on a low-voltage portable unit. The hydraulic turntable has top-range design features and uses choice materials. It assures **excellent clamping** during the delicate wheel clamping, bead breaking and tyre demounting functions.

The tool arm is **fully automated and moves in synchrony with the spindle carriage** (although in the opposite direction) for quicker operation. The nodular cast iron tool support has an overhanging **bead breaker disc mounted on tapered roller bearings to ensure durability and smooth travel**. The disc's unusual shape has been specifically developed to allow the best possible penetration between the rim edge and tyre bead; what's more, its rounded external profile prevents damage to or jamming against the tyre wall. The tool used is of tried and tested shape, and has an effective protective coating.

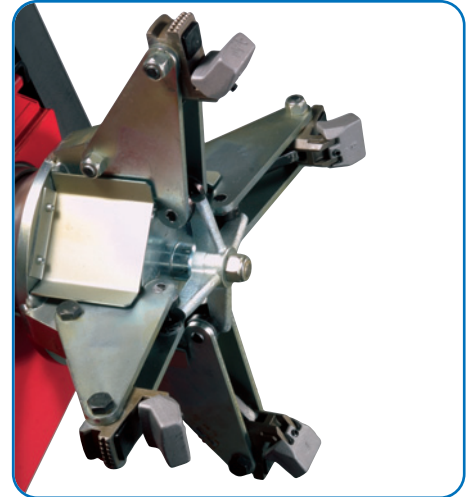
This product is approved by:



»»» Main characteristics

- **Automatic tyre changer** suitable for tubeless tyre van, truck and bus wheels, supersingle wheels and wheels with rim loop.
- **Electrohydraulic** operation
- Portable control unit separate from the machine
- Wheel clamping by means of **hydraulic turntable**
- Machined steel tool arm
- **Fully automated** tool arm
- **Synchronised travel** of tool arm and spindle carriage
- Manual tool rotation
- **Overhanging bead breaker disc mounted on tapered roller bearings**
- With pressure gauge for monitoring the hydraulic pressure

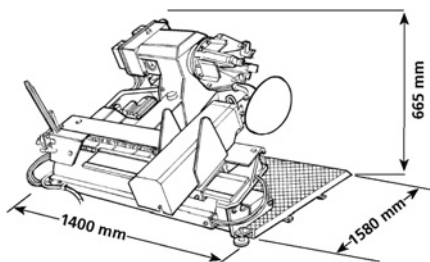
tool arm	demount mode	with lever
	lengthways stroke	545 mm
	lengthways speed	65 mm/s
	working lengthways speed	65 mm/s
bead breaking maximum lengthways force on inside		21600 N
	bead breaking maximum lengthways force on outside	20100 N
	radial stroke	190 mm
	rotation	automatic
	clamping	automatic
	clamping positions	1
spindle carriage	hydraulic lengthways stroke	540 mm
	lengthways speed	65 mm/s
	working lengthways speed	65 mm/s
spindle	clamping system	hydraulic turntable
	rotation motor	1.5 kW
	rotation speed	7 rpm
	rotation torque	2943 Nm
	clamping element	4 (clamps)
	clamping capacity	from 14" to 25"
	clamping positions	1
	maximum clamping force	40000 N
	maximum hydraulic pressure	125 bar
	maximum tyre diameter	1280 mm
	maximum tyre width	700 mm
	maximum wheel weight	350 kg
	wheel central hole minimum Ø	120 mm
	spindle shaft minimum working height	370 mm
power unit	Stand-by function	NO
	operation	electrohydraulic
	electric motor	2.2 kW
	adjustable hydraulic pressure	from 80 to 120 bar
control module	oil tank	8.5 l
	command transmission	by cable
	electrical voltage	24 V
power supply	weight	8 kg
	electrical 3ph	230/400 V -4 kW
noise	level in operating conditions	≤ 70 db (A)
weight		568 kg



► The tool arm moves along the base for easier tool positioning during work.



► The power unit is separate from the machine and can be placed in the position required on each occasion.



Technical Data

Technical data

	HD1000	AG DOUBLE T.T.L.	HD600
tool arm	demount mode lengthways stroke lengthways speed working lengthways speed bead breaking maximum lengthways force on inside bead breaking maximum lengthways force on outside radial stroke rotation clamping clamping positions hydraulic lengthways stroke lengthways speed working lengthways speed clamping system rotation motor rotation speed rotation torque clamping element clamping capacity clamping positions maximum clamping force maximum hydraulic pressure maximum tyre diameter maximum tyre width maximum wheel weight wheel central hole minimum Ø spindle shaft minimum working height	with lever 545 mm 65 mm/s 65 mm/s 21600 N 20100 N 190 mm automatic automatic 1 540 mm 65 mm/s 65 mm/s hydraulic turntable 1.5 kW 7 rpm 2943 Nm 4 (clamps) from 14" to 25" 1 40000 N 125 bar 1280 mm 700 mm 350 kg 120 mm 370 mm NO electrohydraulic 2.2 kW from 80 to 120 bar 8.5 l by cable 24 V 8 kg 230/400 V -4 kW ≤ 70 db (A) 568 kg	with roller/lever 500 mm manual manual 15100 N 21000 N NO/Fix manual manual 3 670 mm 52 mm/s 52 mm/s manual turntable 1.1 kW 6 rpm 1700 Nm 4 (clamps) from 13" to 26" 1 -
spindle carriage	hydraulic lengthways stroke lengthways speed working lengthways speed clamping system rotation motor rotation speed rotation torque clamping element clamping capacity clamping positions maximum clamping force maximum hydraulic pressure maximum tyre diameter maximum tyre width maximum wheel weight wheel central hole minimum Ø spindle shaft minimum working height	hydraulic turntable 1.3/1.85 kW 2 speeds (4 - 8 rpm) 4120/2943 Nm 4 (clamps) from 11" to 56" 3 42000 N 100 bar 2200 mm 980 mm 800 kg 100 mm 385 mm NO electrohydraulic 1.5 kW from 60 to 100 bar 7.6 l by cable 24 V 8 kg 230/400 V -3.6 kW ≤ 70 db (A) 855 kg	NO/Fix manual manual 3 670 mm 52 mm/s 52 mm/s manual turntable 1.1 kW 6 rpm 1700 Nm 4 (clamps) from 13" to 26" 1 -
spindle	clamping system rotation motor rotation speed rotation torque clamping element clamping capacity clamping positions maximum clamping force maximum hydraulic pressure maximum tyre diameter maximum tyre width maximum wheel weight wheel central hole minimum Ø spindle shaft minimum working height	hydraulic turntable 1.5 kW 7 rpm 2943 Nm 4 (clamps) from 14" to 25" 1 40000 N 125 bar 1280 mm 700 mm 350 kg 120 mm 370 mm NO electrohydraulic 2.2 kW from 80 to 120 bar 8.5 l by cable 24 V 8 kg 230/400 V -4 kW ≤ 70 db (A) 568 kg	manual turntable 1.1 kW 6 rpm 1700 Nm 4 (clamps) from 13" to 26" 1 -
power unit	operation motor adjustable hydraulic pressure oil tank command transmission electrical voltage weight electrical 3ph level in operating conditions	electrohydraulic 1.1 kW 110 bar 6 l by cable 24 V 8 kg 230/400 V -2.2 kW ≤ 70 db (A) 390 kg	electrohydraulic 1.1 kW 110 bar 6 l by cable 24 V 8 kg 230/400 V -2.2 kW ≤ 70 db (A) 390 kg
control module	command transmission electrical voltage weight electrical 3ph level in operating conditions	by cable 24 V 8 kg 230/400 V -4 kW ≤ 70 db (A) 568 kg	by cable 24 V 8 kg 230/400 V -2.2 kW ≤ 70 db (A) 390 kg
power supply	electrical 3ph level in operating conditions	230/400 V -4 kW ≤ 70 db (A) 568 kg	230/400 V -2.2 kW ≤ 70 db (A) 390 kg
noise	level in operating conditions	≤ 70 db (A)	≤ 70 db (A)
weight		568 kg	390 kg