

TYRE CHANGERS



THE COMPLETE SERIES OF JOHN BEAN TYRE CHANGERS

The innovative tyre changer range -
ideal for the workshop and tyre service

SERIES **T1300, T5300, T5320**
T5340, T5540, T7300

JohnBean



BEAD BREAKER BLADE

Owing to its special shape the bead breaker blade handles rims most gently and facilitates operation considerably.



TOP-SIDE BEAD SEATER

A direct burst of compressed air facilitates bead seating. The B models offer a top-side bead seater with a 24-litre tank.



PNEUMATIC VERTICAL ARM

Fast and ergonomic: the pneumatic vertical arm facilitates positioning of the mounting head on all wheels (Serie T5540 2S).

PROspeed

The innovative technology - patent-protected - that optimises the torque applied to the wheel and automatically sets the maximum rotation speed of the wheel accordingly.

PLUS CONFIGURATION

The *plus* models are certified by wdk. They come standard with MH 320 pro and *plus* kit that enable the correct mounting and demounting of UHP and run-flat tyres.

HIGH CAPABILITY

With the outer clamping range up to 24" and a wheel width capability up to 15" the T5540 2S series is designed to mount and demount almost all OE wheels.

ACCURATE CLAMPING

The self-centring jaws actuated by two clamping cylinders provide a high clamping force, avoiding that the rim slips in the jaws - the wheel is accurately centred and clamped. Sliding jaws allow a shorter cylinder stroke, reducing clamping time and increasing clamping force (T5340 2S and T5540 2S series). They come with a rounded profile specially developed to accommodate modern rims.

ERGONOMIC

Low cabinet allows working at a more comfortable height even with very large wheels. The specially designed contact surface makes bead breaking ergonomic and simple (T5540 2S series only).





HEAVY-DUTY DESIGN

The rugged cabinet and tower are highly resistant to torsion, meeting the requirements of modern tyre service technology.

BEAD BREAKER

The tyre changers are equipped with a double-acting bead breaking cylinder so that the bead breaker is applied carefully and with no damage to the rim. Both arm length and blade inclination of the bead breaker are adjustable, which grants high performance and flexibility. The rubber pad and the plastic blade protector protect rims from damage.

MOUNTING HEAD

The mounting head is provided with plastic inserts to make sure no rim is damaged. It is automatically locked in spaced-apart position to the rim avoiding any risk of damage.



PLUS KIT

The *plus* kit is certified by wdk. It consists of plastic bead breaker disc, tyre lever plus, rod with tapered roll, plastic tyre protector, triangular bead pusher, spacers and plastic protector for bead breaker blade, Smart Bead Spacer and a bead clamp.



OPTIONAL QUICK-EXCHANGE DEVICE WITH PLASTIC MOUNTING HEAD

Owing to the quick exchange device, steel and plastic mounting heads can be quickly swapped over.



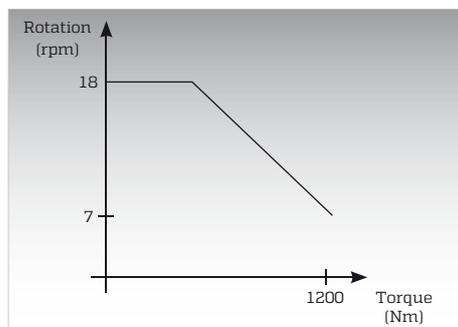
SIMPLE

Gentle demounting with the bead pusher.



OPTIONAL SMART BEAD SPACER

For mounting UHP and run-flat tyres. The Smart Bead Spacer comes standard with the *plus* kit.

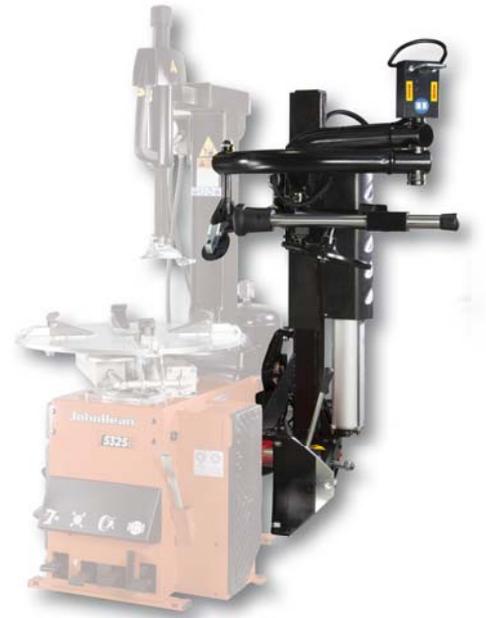


PROspeed

PROspeed technology is the best choice for high-productivity workshops. It provides maximum speed in mounting and demounting operations depending on the torque applied.

PROspeed / MH 320 PRO

Pneumatische Montagehilfe MH 320 pro



PROSPEED

- The PROspeed inverter technology comes standard with the T5320 2S, T5340 2S and T5540 2S series. PROspeed will never exceed maximum torque thus preventing damage to the tyre bead. In the first pedal position a fixed speed of as low as 7 rpm is provided which is useful for critical tasks and when full control is required. In the second pedal position the operator does not need to change speed, PROspeed always uses the maximum possible speed up to 18 rpm which reduces cycle time and increases productivity.
- Both T1300 and T5300 series are single-speed tyre changers equipped with a redesigned motor and gearbox to ensure the ruggedness required for modern tyre service.

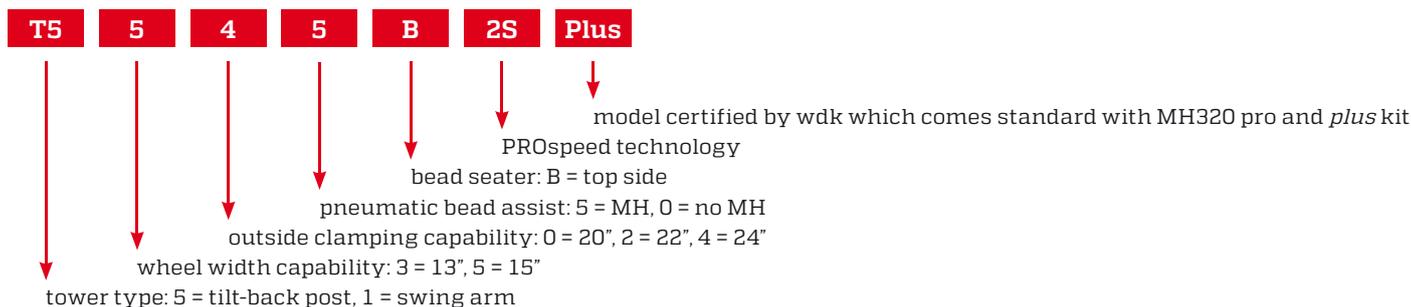
MH 320 PRO

- The powerful pneumatic bead assist device is an indispensable accessory for mounting and demounting tyres which are difficult to handle, such as low profile tyres and run flat tyre systems or tyres with hard sidewalls. It is an optimum complement to a tyre changer.
- During the demounting operation the bead pusher presses the upper bead into the drop centre of the rim so that it can be easily levered over the mounting head nose and finally demounted without any effort.
- During the mounting operation of the upper bead the disc retains the bead under the mounting head nose. The bead pusher follows rotation of the wheel, doing the otherwise tedious job of the operator, while preserving both tyre and rim.
- The pneumatic bead assist device is an optional extra for tyre changers from T1300 (MH 310 pro) up to T5540 2S series (MH 320 pro) and can be easily fitted by the customer. It is a standard feature of all *plus* tyre changers.

TABLE-TOP TYRE CHANGERS OF T1300 / T 5300 SERIES



NAMING CONVENTION FOR THE NEW GENERATION OF TABLE-TOP TYRE CHANGERS



T1300 SERIES

- T1300 - The swing-arm tyre changer with low footprint and 20" outside clamping capability ideal for the use in general service shops
- The strong and rugged design of all components ensures long life.
- The mounting arm swings to the side so that the machine can be installed in a space-saving way directly near a wall.
- The double-acting bead breaker cylinder ensures gentle handling of rims.
- The bead breaker is provided with a large anti-skid rubber pad to protect tyres and rims.
- Plastic protectors inside the mounting head protect delicate alloy rims.
- The one-part mounting head is manually adjusted in spaced-apart position relative to the rim to avoid any damage.
- The T1300 comes standard with the short tyre lever.

- The MH 310 pro pneumatic bead assist device, jaw and blade protectors are available as optional extras.

ADDITIONAL FEATURES OF T5300 SERIES

- T5300 - The pneumatic tilt-back post tyre changer with low footprint and 20" outside clamping capability ideal for the use in general service shops and low-volume tyre shops.
- Pneumatic control such as tilting of the post and locking of the post in working position combines user-friendliness with high precision.

Configurations available		
Standard tyre changer	T1300	T5300
with pneumatic bead assist MH 320 pro	-	T5305
with top-side bead seating and inflating kit	T1300B	T5300B

TABLE-TOP TYRE CHANGERS WITH PROspeed TECHNOLOGY



T5320 SERIES

- The T5320 series – Pneumatic tilt-back post tyre changers ideal for the use in general service shops and tyre shops
- The T5320 2S series is powered with the new PROspeed inverter technology.
- Outer clamping range up to 22", even up to 28" with optional adaptors.
- The machines are equipped with a double-acting bead breaking cylinder and an oversize bead breaker blade which protect tyre and rim.
- Alloy rims are handled particularly gently as the mounting head and the clamping jaws are provided with plastic protectors. The one-part mounting head is manually adjusted in spaced-apart position relative to the rim to avoid any damage.
- The self-centring four-jaw turntable is controlled by two clamping cylinders – quickly and accurately.
- The bead breaker is adjustable in three positions, granting high performance and flexibility. The adjustable blade inclination allows adjustment to different wheel diameters.
- For convenient and accurate inflation the machines come standard with a pedal-operated tyre inflator and a precision gauge fitted on the post.
- The T5325 2S Plus is certified by wdk under certification number 05-078, T5325B 2S Plus under 05-079.

ADDITIONAL FEATURES OF T5340 SERIES

- The T5340 series – Pneumatic tilt-back post tyre changers ideal for the use in tyre shops.
- On T5345 2S the self-centring turntable with redesigned sliding jaws offers a clamping range of up to 24", even up to 28" with optional adaptors.
- The tool box with integrated pressure gauge keeps tools and valves within easy reach of the operator.
- The T5345 2S Plus is certified by wdk under certification number 05-082, T5345B 2S Plus under 05-083.

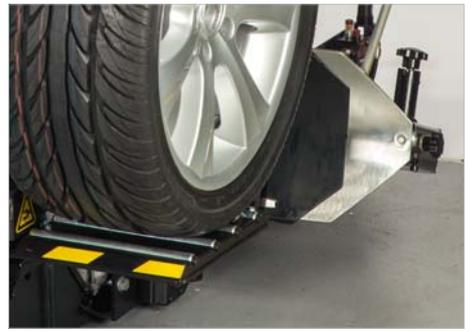
ADDITIONAL FEATURES OF T5540 SERIES

- The T5540 series – Pneumatic tilt-back post tyre changers ideal for the use in high-volume tyre shops and car dealerships.
- With the outer clamping range of up to 24" the T5545 2S is designed to handle wheels of large diameter and a width of up to 15".
- The mounting head is located on a pneumatic vertical arm easy to operate with any type and size of wheel. All arm settings are made by a single switch.
- The horizontal arm is supported on rollers for speedy and smooth operation.
- The T5545 2S Plus is certified by wdk under certification number 05-085, T5345 2S Plus under 05-087.

Configurations available

Standard tyre changer	T5320 2S	T5340 2S	T5540 2S
with pneumatic bead assist MH 320 pro	T5325 2S	T5345 2S	T5545 2S
with top-side bead seating and inflating kit	T5320B 2S	T5340B2S	T5540B 2S
with pneumatic bead assist MH 320 pro and <i>Plus</i> kit	T5325 2S Plus	T5345 2S Plus	T5545 2S Plus
with pneumatic bead assist MH 320 pro, <i>Plus</i> kit and top-side bead seating and inflating kit	T5325B 2S Plus	T5345B 2S Plus	T5545B 2S Plus

CENTRE-CLAMP TYRE CHANGER OF T7300 SERIES



WHEEL LIFT

The ergonomic wheel lift reduces fatigue on the operator and increases productivity. It comes standard on T7300P and is optionally available for T7300G and T7300S.

T7300 SERIES

- The T7300 series – High-volume tyre changers for wheels up to 44" – ideal for the use in high-volume tyre shops and car dealerships.
- The T7300 series covers pneumatic tilt-back post car tyre changers which combine conventional solutions such as mounting head plus tyre lever and on-side bead breaker with the innovative centre-clamp design and automatic pilot hole clamping.
- The PROspeed inverter technology optimises mounting and demounting speeds up to 20 rpm and helps to increase productivity.
- T7300S with tilt-back tower, PROspeed technology, pneumatic bead assist PBA
- T7300G with additional top-side bead seating and inflating kit, bead press roller for the pneumatic bead assist and certified by wdk under certification number 05-073.
- T7300P with additional top-side bead seating and inflating kit, bead press roller for the pneumatic bead assist, wheel lift and certified by wdk under certification number 05-072.



CENTRE CLAMP

The centre-clamp design has numerous benefits: most important is the drastically reduced risk of damage and that there are no restrictions of the turntables with clamping jaws, while automatic locking of the wheel provides fast, safe and correct clamping of the wheel.



CONVENTIONAL MOUNTING HEAD

The mounting head with tyre lever and the on-side bead breaker are a favourite choice of operators, combining familiar design with fast operation.

OPTIONAL EXTRAS AND TECHNICAL SPECIFICATIONS

OPTIONAL EXTRAS

	26582	Plastic protector for bead breaker blade		4029455	+4" adaptors to increase outer clamping range for T5340 2S series and T5540 2S series
	4026853	Plastic rim protector set (option for T1300 and T5300 series, standard on all other tyre changers)		4030649	+6" adaptors to increase outer clamping range for T1300 series, T5300 series and T5320 2S series
	4024784	Plastic mounting head		4027629	Light-truck adaptors 17,5" for T5340 2S series and T5540 2S series
	4027646	Plastic mounting head for rims with elevated spokes		4030651	Light-truck adaptors 17,5" for T1300 series, T5300 series and T5320 2S series
	4029337	Mounting head for motorcycle wheels (not for T7300 series)		4028568	Motorcycle adaptors for T5340 2S series and T5540 2S series
	4028229	Quick exchange device including plastic mounting head for rims with elevated spokes		4030648	Motorcycle adaptors for T1300 series, T5300 series and T5320 2S series
	4028629	+4" quick-exchange device including steel mounting head for T5340 2S series and T5540 2S series		4026290	Roller board for T1300 series up to T5540 2S series
				EAK-0279G89A	CW1015 wheel lift for T5300 series, T5320 2S series and T5340 2S series
				EAK-0279G86A	CW1025 wheel lift for T5540 2S series
				EAK-0317G64A	Wheel lift for T7300 (option on T7300S and T7300G)

TECHNICAL SPECIFICATIONS

		T1300	T5300	T5325 2S Plus	T5345 2S Plus	T5545 2S Plus	T7300
Inner clamping range	inch	12-22	12-22	12-24	12-24	12-24	12 - 26
Outer clamping range	inch	10-20	10-20	12-22	10-24	10-24	12 - 26
Rim width	inch	3-12	3-12	3-12	3-12	3-14	3-14
Max. tyre width	inch	13	13	13	13	15	15
Max. wheel diameter	mm	1000	1000	1000	1000	1000	1120
Speed	rpm	7	7	7/7-18	7/7-18	7/7-18	7/7-20
Bead breaking range	mm	70-340	70-340	40-392	40-392	40-392	40-390
Compressed air supply	bar	8-12	8-12	8-12	8-12	8-12	8-12
Dimensions (W x D x H)	mm	1150x1030x1730	1160x1700x1850	1300x1700x1860	1220x1700x1870	1350x1800x1920	1850x1960x2270
Weight	kg	173	230	300	310	315	485
Power supply		400V3ph50Hz	400V3ph50Hz	230V1ph50-60Hz	230V1ph50-60Hz	230V1ph50-60Hz	230V1ph50-60Hz

EMEA-JA

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Part of the machines is illustrated with optional extras which are available at extra cost. Technical and visual modifications reserved.

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