

Wir im Allgäu.

## Pit Jacks, Support Systems and Accessories

## Models: MAH • MGH-ZB • MGH-E • MGH • MGH-L SAT • AB • ABT • ABAY

for Vans, Buses and Trucks up to 30 t load capacity





- Lifting technology modular design system for commercial vehicles
- Universal support systems
- Flat support system for storage in the work pit tracks
- Ergonomic, modern, slender, flexible technology



## MAHA Pit Jacks & Accessories

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What ever jack you need, we have it! Manual-hydraulic – Hydraulic/Pneumatic - Electro-hydraulic



A jack without a support system is incomplete!



## MAHA Pit Jack & Accessories

### Selection Criteria for Pit Jacks:

Load capacity:	2,0 / 3,5 / 4,0 / 5,5 / 11,0 / 14,5 / 16,5 / 20,0 / 30,0 t Allow for generous load capacity. Pay attention to loaded vehicles: When lifting a rear axle, the entire flatbed axle and the third axle are lifted.
Stroke:	450 / 600 / 750 / 1050 / 1200 mm 450 mm is sufficient for all standard jobs on trucks. If necessary, extenders can be used to reach high lifting points. 600 mm is an intermediate solution. 750 mm is required for transmis- sion removal or for jobs on elevated units or trailers. For frequent work on units, a telescopic universal jack with 1200 mm is the right choice.
Carriage:	"S-Carriage", "P-Carriage" or "B-Carriage" The standard jack is supplied with <b>"S-Carriage</b> " with a stroke of 450 und 600 mm. We supply <b>"P-Carriages</b> " with a stroke of 750 mm for professional application of support bridges with axle traverses. Testing pits are equipped with floor running "B-Carriages" jacks with 750 mm stroke. Our "floor running" universal jack with a <b>"B-Carriage"</b> is supplied with a stroke of 1200 mm. Due to its low height it is optimally suited for transmission and unit work. This jack can be used outside of the pit for mobile lift systems, four cylinder lifts or multi-cylinder systems.
Working speed/ Operation/Control	Manual-hydraulic, pneumatic, hydraulic-pneumatic Manual-hydraulic jacks (MGH) are offered for infrequent tasks in work pits. A jack variation with faster working speed, the MGH-Z has been developed with pneumatic control (VZ 975604). This is equipped with a compressed air high-speed control up to load point and compressed air feedback control from load point in rest position. The hydraulic-pneumatic control (VZ 975261) is optimum. This is additionally equipped with an air motor for automatic lifting with load. Electro-hydraulic pit jacks are especially suited for working pits without compressed air con- nection.
Lifting platforms:	Lifting platforms are needed to lift vehicles properly and securely. These are divided into axle traverses for vehicles which cannot be lifted in the middle, pads for different lifting points and in unit and transmission plates for safe removal and installation of assemblies.
Support systems:	Two systems are available. In one system (AB) the vehicle is lifted in the middle and sup- ported at two points. The other system (ABT) lifts the vehicle with an axle traverse and is supported by it. The support bridge ABAY is a mixture of both systems. The supports systems are compatible with the lifting platforms and can be used variably in a modular system.

## Hydraulic/Pneumatic-operated Jack as Hanging Version

## MGH



MGH-Z with optional rapid control and air motor

# **MGH Pit Jack** is manually pumped up from the rest position. Experience shows that more time is needed to pump up to the lifting point than the actually lifting itself. This jack is only recommended for pits without compressed air supply or special cases!

## The adjustable carriage can be used in various working pits.

Flexible

#### Fast

To quickly reach the load point, the jack can be equipped with the optional rapid control. (VZ 975604) With the use of the optional air motor (VZ 975261) fast and effective load lifting is enabled.

#### Accuracy

The jack control has a very sensitive setting.

#### Ergonomic

The high speed function is attached to the side of the jack so that it can be operated from either side of the pit.

#### Smooth maneuverability in pit

Running rollers with needle bearings for fast and easy movement in the working pit.

#### Long-life

The guidance pipe is covered with hydraulic oil at each complete lifting stroke to prevent rust build up.

**MGH Pit Jack** is an ideal combination between hydraulic and pneumatic. The jack is at the lifting point in a matter of seconds and the vehicle is raised with a few pump strokes. The retraction of the cylinder is supported by compressed air.







## Electro-hydraulic Pit Jack as Hanging Version

## **MGH-E**



#### MGH-E 14.5/75

The sturdy **Electro-Hydraulic pit jack MGH-E** is designed for frequently used working pits. A mixture of hydraulic, submerged oil unit and electronic control guarantees for a sensitive, quick, quiet and smooth total operation.

Our electrical or hydro-pneumatic jacks have a very slender design to allow for generous passage through the work area. For this reason, lateral jack movement is of great importance.





#### Flexible

A uniform modular plug-in system for using a wide-range of accessories. The lifting platform has a uniform diameter of 45 mm starting at 5.5 t.

This pit jack are well suited for professional operations or for working pits without compressed air connection.

#### Fast

The high speed lifting action under load is 35 sec. for 750 mm.

The jack's working speed can be precisely adjusted using fine control. This function controls the up and down movement.

#### Ergonomic

The shock resistant cover hood has been developed for use in working pits.

Control knobs and a low noise submerged oil unit make for easy handling in the pit.

#### Long-life

The sturdy piston rods are hard-chrome plated and designed for use in extreme workshop pit operation.

# Manual hydraulic/pneumatic Test Stand and Transmission Jack as Floor-running Version

## MGH-ZB / MAH-E



MGH-ZB 14.5/75 with air motor

## The floor running **Telescopic gear jack MAH-E** with its freely movable carriage is especially suitable for motor and gear work in connection with a mobile wheel engaging system.

#### Flexible

The slender carriage (750 x 1.000 mm) makes it easy to use the jack in test pits, mobile lift systems or in connection with rail lifts.

#### Fast

This jack is equipped with a high speed control function. Optionally it can be equipped with an air motor.

#### Safe

At a load of 800 - 1,000 kg the jack sits securely on the floor.

#### Smooth maneuverability in pit

Easy jack movement with spring loaded bearings for easyrun poly rollers 360° rotatable.

#### Ergonomic

This jack type can be adapted to the pit depth. The heightcan be set in steps to 1180 / 1380 / 1580 mm. The adjustment can be selected as an option.

The test stand jack **MAH-ZB** is suitable for test pits which do not have a continuous pit edge fitting for hanging jacks.







## Hydraulic/Pneumatic Universal Jack in Floor-Running Version as Repair Jack

## MAH-Z



MAH-Z 14.5/120

The floor-running Telescopic-Transmission Jack MAH-Z 14.5/120 with a load capacity of 0.5 t is extremely flexible with a sturdy design suitable for removal and installation of motors and transmissions.

#### Low Overall Height

The low overall height of the jack means that a transmission clamped on the jack can be moved underneath the vehicle axle and then, behind the vehicle, removed from the jack.

Thanks to the generous lifting height, the removal and mounting of vehicle components can even be done on offroad vehicles with large ground clearance.

#### Fast

The piston stroke to the load point is done with a high speed lift. To adjust the axle traverse or to do transmission / component work, the slow load stroke is regulated with the foot control. In this way, both hands are free to do adjustment work.

#### Flexible

To easily reach and work in the upper areas of the vehicle, this jack has two steps installed. Working under vehicle is easy with the free-standing lifting cylinder.

#### Ergonomic

The sturdy cover hood safely covers a variety of construction elements such as compressed air maintenance unit, air motor and control elements.

#### Safe

Vehicles must be securely lifted and supported. These accessories can be found on the following pages.

The telescopic-universal jack MAH-Z 16.5/120 is ideal for transmission and other unit work. Suitable for vehicle lifting up to 16.5 t axle load. It can be used in working pits but also as supplement for mobile lift systems, track lifts or multi-cylinder system.



All dimensions in mm!

200



## Adaption Jack Carriage for existing Working Pits

#### **Selection Criteria**

When selecting the jack carriage, pay attention to the existing pit protrusion. Pay close attention to any lighting that is installed in the pit when using hanging carriages.



Serial rollers have a slight angle and fit most profiles.



The serial rollers must be adapted for profiles with pronounced angle. (optional).



Protruding cement, lamps or lines etc. require that elongated rollers be used (optional).



Our pit jacks are made to fit your pit dimensions. Please make use of our dimension sheet when placing your order!

Flexible

By moving the side plates, the jack carriage is adjusted to the pit dimensions.



The adjustment range is calculated in steps so that the jack installation can be done in a closed pit profile U 220. Only welded carriages are supplied with a load capacity of 20 t or more. Custom made carriages are offered for lower load capacities.

#### S-Carriage

With this carriage, the upper end of the retracted piston rod is at the same level as the jack's total height. This means jacks with low lift can be used.

#### P-Carriage

Professional use of support bridges with axle traverses in this version. The smooth, deeply drawn carriage side plates means axle traverses and other platforms can be moved underneath the support bridges.



a pit edge width up to 1.080 mm. Special solutions are possible. (optional).





## **Ideal Pit Working Place**

Optimum Pit Working Place recommended for new installations.



This pit variation offers generous space for working and has versatile usage.

#### Pit Width:

The closed U-design provides a very wide pit opening for optimum working conditions. These details are described on page 14.



Parking:

The jack can be parked in pit pockets.

#### Workplace Utility:

The pit pockets can be used for storage of oil hoses and drums, used oil collector, grease presses, special tools and tool carts.

#### **Track Guided Pit Jacks**

Track guided floor running axle / gear telescopic jacks are the ideal lifting system for working pits. These pit jacks run easy and smoothly on tracks. They offer optimum service for installation work. Another good advantage of the jack system is the fast movement within the working pit.





Flat steel with flange guidance

Axle- / Gear telescopic jack Model: MAH-ZF 14.5/120 with carriage version U



Axle- / Gear telescopic jack Model: MAH-ZF 14.5/120 with carriage version with deflector rollers and cylinder rollers

VP 454222 + VZ 975614



Flat steel with wall guidance

### **Axle traverses**

The axle traverses in the MAHA program are very flat and can remain in the pit when not being used and are not a hindrance for drive over.

58

The movable platform bolts of the AT-NB axle traverse can lift vehicles with offset load points.

To reach the lifting points of the low-platform buses, the axle traverse height was limited to 126 mm.

## **AT 15**

ATY

AT-NB

The flat, slim design of the standard support bridge AT 15 is suitable for storage in the ABT 15 bridge.

The ATY axle traverse is suitable for a large lifting area. This is needed for buses, municipal or military vehicles.

10





82-1018

900



214



## Axle Traverse SAT - Self-supporting traverse

Axle traverse whic can also be used as a support system !





Exended with resting support and two point support

- New, easy operation
- Universal support heights
- Always "ready-for-opeation"
- 15 t load capacity

#### Axle traverse function

Lifting with SAT

- Vehicle lifting via two-point support of 510 1020 mm and synthetic center support
- The pipe extension system enables very high support heights.
- The extremly low support heights of the SAT are achieved by an optimum sliding design.
- The MAHA pit jack accessories can be used with this axle traverse

#### **Support Bridge Function**

SAT setting is done by pulling out the setting support.

Setting under load:

- The SAT setting width or pit width is 910 1150 mm
- The free lifting room underneath the setting height is: Height: ca. 100 mm depedent upon vehicle suspension, Width: min. 910 mm
- After placement of the SAT the pit jack can be used for other tasks.

Resting position without load:

The storage is always in the working pit. Possibilities are:

- on the pit jack, always in the place of application
- in the pit profile
- with placement auxiliary plates when using hanging pit jacks or with oil collection cart

The low design height of the SAT enables easy storage and drive-over stability in the pit profile.

◄ SAT in resting position on the jack always ready for operation!

## **Support Bridges AB**

The use of a support bridge is the only safe method of vehicle support in order to work on it. Once the vehicle sits securely on the support bridge, the jack is freed up for other uses.



The pipe extenders of support bridges may only be extended by one step.

#### Flexible

Thanks to the continuous opening in the middle area of the support bridge the jack can be fully slided to one side.

Our support bridges are specially manufactured for the existing pit design.

The maximum height of the support bridge is 185 mm, so that is fits well into the pit design. See Version C.

Highly placed parts such as frames can be supported with this support bridge and pipe extender set.

The support bridge can be supplied up to 16.5 t, adjustable in steps. It can then be used in various working pits.

#### Ergonomic

The light design makes it easy to move the support bridge in the working pit.



The vehicle is lifted at the front axle yoke and supported with the support bridge via the support pipes.



The jack is freed to be used at other positions. The vehicle is securely supported.





## Support System ABT

#### For lifting of vehicles at two lifting points.

Traverses with their support systems are necessary with offset differentials and many air-cushioned buses.

## ABT



The axle traverses may only be extended by one step (max. 150 mm)!

- Support system rests in the pit.
- **2** Traverse lifts the vehicle up.
- B Jack is freed up for other tasks.



#### Flexible

The support bridge is adjustable in steps and has a standard height of 185 mm. It fits into various working pits and in pit edge design C (picture page 12).

Optimum lifting of offset lifting points thanks to continuous support bridge opening. Especially helpful in connection with an axle traverse, movable sideways, for low-platform buses.

#### User-friendly

Under load, the axle traverse is settled on the wooden blocks, as shown. This is one of the fastest and quickest ways to support vehicles.

#### Ergonomic

When the support system is not used it remains in the pit. The axle traverse is laid in the support bridge.

#### The advantages of this support bridge:

Lift vehicle, support it and free up the jack for other tasks.



## Pit Edge Design

The choice of pit edge design determines whether the working pit is to be used as a repair pit, test stand pit or covered emergency pit.

Our pit edges are designed with width and length dimensions. Re-closable openings are part of the pit edging to hang in the pit jacks and support systems.

4 -Track width Working room Track width Track width



Ideal Pit Edging System Pit profile U 220 withoutwheel deflector is the optimum working pit! The track width equals the working width and there is no wheel deflector to get in the way.

Pit Edging with Cover The pit profile U 220 is set deeper for placement of cover grids. The dimensions for the deeper setting are determined by the drive over load and cover grid thickness.

#### Pit Edging System with Wheel Deflector The pit profile L 180 with

wheel deflector is suitable for test pits.

The working area is the same as the track width.

The track width is ca. 130 mm wider than the working area.

The track width is ca. 180 mm wider than the working area.

A pit head can be used to drive safely in the test area.



#### As commentation venue Building and in the states HE COMMINSTON DE LEGINDES IN 2. AMR COMMERCIAL VALUE Add Die connercial Numerica verices Support and Jack Matrix Vans Article max. sup-Model port load Application for: No. Χ Χ Х XX 13.0 t VZ 975325 Support of Front Axles which can be lifted AB 13 Χ Support system AB in the middle: Х Х Х X 15.0 t AB 15 VZ 975326 X Χ Х 20.0 t AB 20 VZ 975526 consisting of: 1 x support bridge 2 x standard pads 2 x support pipe 400 mm 2 x plug ABAY 13 VZ 975264 Х Х Х Х 13.0 t Х Support of drive axles which must be lifted Support system ABAY with an axle traverse, and for front axles, X Χ X Χ Χ 15.0 t ABAY 15 VZ 975266 Х Χ which can be lifted in the middle: consisting of: 1 x support bridge 2 x standard pads 2 x support pipes 400 mm 2 x plug Х Х X Х Х 15.0 t EG 15 VZ 975268 Extender set to extend support pipes for AB- and ABAY-support systems: XX X Х Х 20.0 t EG 20 VZ 975529 Χ consisting of: Extender set 2 x mushrooms 2 x intermediate piece 150 mm 2 x support pipes 300 mm 2 x support pipe 600 mm 15.0 t XX ABT 15 VZ 975269 Χ XX Х Support and lifting of rear axles (e.g. with differential). These must be lifted via Two XX Х 20.0 t ABT 20 VZ 975271 Support system ABT point platform with axle traverse consisting of: 1 x support bridge 1 x traverse 2 x slim pads 2 x mushrooms 2 x intermediate pieces 100 mm 2 x intermediate pieces 150 mm 2 x wooden blocks X Х 11.0 t AT-NB 11 VZ 975273 Support and lifting of Rear axles which Support system AT-NB must be lifted with an axle traverse. Neces-Х 15.0 t AT-NB 15 | VZ 975274 sary if the bottom clearance of the vehicle is very small and the vehicle cannot be lifted with offset axle. consisting of: 1 x support bridge 1 x traverse for low-platform buses 2 x large pads 2 x wooden blocks X Ideal Possible



		Lift	Load	Drive	Hole diameter	Model	Article No.	Picture	Description
		1200	14.5 t	8 bar	floor-running, on tracks	MAH-ZF 14.5/120	VP 454222		Axle-/ Gear telescopic jack, track-guided with inner flange rollers. Equipped like MAH-Z.
	H-ZF		16.5 t	8 bar		MAH-ZF 16.5/120	VP 454223		
	MA					F-FG	VZ 975614		Equipped like MAH-Z.
						U-FG	VZ 975635		Carriage with flange rollers.
			14.5 t	8 bar		MAH-ZH 14.5/120	VP 454224	Ť	Axle-/ Gear telescopic jack in hanging
Axle and Gear Jack	AH-Z	1200	16.5 t	8 bar	hanging carriage	MAH-ZH 16.5/120	VP 454225		carriage. Equipped like MAH-Z.
	Ň		14.5 t	8 bar		MAH-Z 14.5	VP 454202		Axle-/ Gear telescopic jack, freely mova-
			16.5 t	8 bar	freely movable	MAH-Z 16.5	VP 454203	-	matic load stroke. Pneumatic forced cylin-
									der retraction. With feedbackair maintain- ce unit.
						XQ	VZ 975588		Carriage freely movable and cross-slidable
			2 t	8 bar		MAH-E 2.0/105	VP 254200	-	Gear jack with pneumatic rapid stroke
	-E	1050							sign height is 720 mm lowered without abgesetzt ohne Pratze.
	MAH		4 t	8 bar	freely movable	MAH-E 4.0/120	VP 254201	*	Gear jack with pneumatic rapid stroke
	2	1200							and foot-hydraulic load stroke. The de- sign height is 835 mm positioned without pads.



		Lift	Load	Drive	Hole diameter	Model	Article No.	Picture	Description
		i	11 +			MCH 7RE 11 0/750	VD 454227		Dit jack floor rupping model: MCH ZPE
MGH-ZBF			14.5.t		floor-running, on tracks	MGH-ZBF 14 5/750	VP 454227		750 mm strok with rapid control, optional
		750	16.5 t	ē		MGH-ZBF 16 5/750	VP 454229		air motor, track-guided with inner flange
			20 t	conti		MGH-ZBF 20.0/750	VP 454230		Optional raising assembly for pit adapti-
				pid c					on of the height.
	щ			h ra		F-FG	VZ 975614		Carriage with cylindric rollers
	Ę.			aulic wit		U-FG	VZ 975635		Carriage with flange rollers
	β		11 t		freely movable	MGH-ZB 11.0/750	VP 454231	<u> </u>	Pit jack hydraulic / pneumatic axle jack, Model: MGH-ZB, standard beight 1180
	2		14,5 t	Jydr		MGH-ZB 14.5/750	VP 454232		mm, manual-hydraulic load strokewith
		75	16,6 t	lanual -I		MGH-ZB 16.5/750	VP 454233		a manual pump, pneumatic rapid stro-
			20 t			MGH-ZB 20.0/750	VP 454234		cylinder
	-			2					
						XQ	VZ 975588		vable
			2 t			MGH 2.0/75	VP 254002		Pit Jack, Model: MGH
			5,5 t			MGH 5.5/75	VP 254013		750 mm lifting height, Manual hydrau-
			11 t			MGH 11.0/75	VP 454014		high-speed and load lift, hard-chromed
s		750	14,5 t		P-carriage	MGH 14.5/75	VP 454016		piston rod
Step			16 t	sch		MGH 16.5/75	VP 454017		
pic	_		20 t	rauli		MGH 20.0/75	VP 454018		
ssco	<u>δ</u>		30 t	hydr		MGH 30.0/75	VP 454069		
Tele	_		2 t	-laur		MGH 2.0/45	VP 254001		Pit jack, model: MGH, 450 mm lifting
Jout			5,5 t	Mar		MGH 5.5/45	VP 254014		height, manual -hydraulic operation with hand pump for rapid and load stroke.
with		20	11 t		S-carriage	MGH 11.0/45	VP 454002	1	chromed piston rod
Jack		4	14,5 t			MGH 14.5/45	VP 454003		
E			16 t			MGH 16.5/45	VP 454004		
				8 - 10					Rapid control for fast up and down mo-
				bar			VZ 975604		
									Air Motor, additional unit for automatic
				8 - 10 bar			VZ 975261		load lift, air volume 400 - 500 l/min
	l						12 01 0201		
MGH-L MGH-E			11 t	400 V		MGH-E 11.0/75	VP 454062		Pit jack, model: MGH-E, 750 mm lifting height, electro-hydraulic rapid and load
	뽀	0	14,5 t	400 V	P-carriage	MGH-E 14.5/75	VP 454063		lift power: 2.5 kW/380 V, extreme sen-
	힣	75	16,5 t	400 V		MGH-E 16.5/75	VP 454064	E	sitve or exterme fast control of the jack.
			2,0 t	12 bar	S-carriage	MGH-L 2.0/45	VP 254011		Pit jack pneumatic with key control.
	ب	[	3,5 t	13 bar		MGH-L 3.5/45	VP 254012	1-1-1-10	
	βH	450						1	
	2							9	

Standard delivery includes the adjustable standared carriage up to a load capacity of 16.5 t, all other carriages are custom made. Please fill out the pit dimensions sheet carefully. Special carriages may be necessary due to local circumstances, e.g. due to extra-wide pits or pit protrusions. This is at extra charge. Extra charges may occur subsequently when checking the dimension sheet.

### **Accessories for Pit Jacks**

<b>Standard Pads</b> 4.5 t, 30 mm, VZ 975365 20.0 t, 45 mm, VZ 975278	Narrow pad 100 mm surface 20.0 t, 45 mm, VZ 975280	Large Pad 145 mm surface 20.0 t, 45 mm, VZ 975284 Large Pad 175 mm surface 20.0 t, 45 mm, VZ 975285 Large Pad 220 mm surface 16.5 t, 45 mm, VZ 975283	Wooden pad 4.5 t, 30 mm, VZ 975367 16.0 t, 45 mm, VZ 975409 Pad with rubber surface 4.5 t, 30 mm, VZ 975369 10.0 t, 45 mm, VZ 975287
Mushrooms 20.0 t, 45 mm, VZ 975569	Lift extenders 100 mm 4.5 t, 30 mm, VZ 975372 16.5 t, 45 mm, VZ 975289 Lift extenders 150 mm 4.5 t, 30 mm, VZ 975373 16.5 t, 45 mm, VZ 975290 Lift extenders 200 mm 16.5 t, 45 mm, VZ 975410	Support pipe 300 mm 4.5 t, 30 mm, VZ 975390 15.0 t, 45 mm, VZ 975411 20.0 t, 45 mm, VZ 975412 Support pipe 400 mm 4.5 t, 30 mm, VZ 975391 15.0 t, 45 mm, VZ 975330 20.0 t, 45 mm, VZ 975413 Support pipe 600 mm 4.5 t, 30 mm, VZ 975392 15.0 t, 45 mm, VZ 975331 20.0 t, 45 mm, VZ 975570	Front Axle Fork for MB-Sprinter synthetic coated 2-point surface 15.0 t, 45 mm, VZ 975288
Wooden block for support system ABT, VZ 975414	<b>Transmission plate swivable</b> 1 x 45° and 2 x 10° swivable Platform surface 536 x 366 mm 0.8 t, 45 mm, VZ 975315	<b>Transmission plate swivable</b> 1 x 45° swivable and 2 x 10° inclinable via spindle, incl. tightening strap with quick lashing Platform surface 536 x 366 mm 0.8 t, 45 mm, VZ 975416	Maintenance unit ¼" VZ 975320 at jack
Axle traverse 6.0 Adjustable from 82 – 1018 mm 6.0 t, 45 mm, VZ 975262	Axle traverse 15.0 Adjustable from 82 – 1018 mm 15.0 t, 45 mm, VZ 975263	Adjustable from 82 – 1018 mm 11.0 t, 45 mm, VZ 975395, 126 high 15.0 t, 45 mm, VZ 975396, 146 high	Axle traverse for municipal vehicles Adjustable from 318 – 1318 mm 13.0 t, 45 mm, VZ 975518 , 194 high



#### Support Systems Support system AB Support system ABT without middle recess without middle recess Inclusive: Inclusive: 2 x Standard pads 1 x Support bridge ABT 2 x Support pipe L = 400 mm 1 x Axle traverse 2 x Insert bolts 2 x slim pads 2 x mushrooms Pit width B up to 1080 mm 2 x intermediate piece L=100 mm 13.0 t, VZ 975325 15.0 t, VZ 975326 2 x intermediate piece L=150 mm 2 x wooden block Pit width B up to 1.080 mm 15.0 t, VZ 975269 Pit width B from 1080 mm up to 1200 mm at extra charge 20.0 t, VZ 975271 Pit width B from 1080 mm up to 1280 mm at extra charge Support system ABTA Support system ABAY with middle recess with middle recess Inclusive: Inclusive: 2 x Standard pads 1 x Support bridge ABY 2 x Support pipe L = 400 mm 1 x Axle traverse AT 2 x Insert bolts 2 x Support pipe L = 400 mm 2 x Insert bolts Pit width B up to 1.080 mm 2 x Slim pads 13.0 t, VZ 975264 15.0 t, VZ 975266 2 x Mushrooms 2 x Intermediate pieces L=100 mm 2 x Intermediate pieces L=150 mm 2 x Wooden blocks Pit width B from 1080 mm up to 1200 mm at extra charge Pit width B up to 1080 mm 15.0 t, VZ 975275 Pit width B from 1080 mm up to 1200 mm at extra charge Support system ABT-NB For MB-/MAN-low-platform buses 11 t load capacity Support system ABTY with middle recess Production dimensions up to 1080 mm Inclusive: 1 x Support bridge ABT-NB 1 x Axle traverse for low-platform Inclusive: 1 x Support bridge ABY 1 x Axle traverse ATY buses 2 x Support pipe L = 400 mm 2 x Wooden blocks 2 x Large pads 2 x Insert bolts 2 x Intermediate pieces L=100 mm Pit width B up to 1080 mm 2 x Standard pads 11.0 t, VZ 975273 13.0 t, VZ 975520 Pit width B from 1080 mm up to 1200 mm at extra charge Pit width B from 1080 mm up to 1200 mm at extra charge Extender set Inclusive: 2 x Mushrooms 2 x Intermediate pieces L=150 mm 2 x Support pipes L = 300 mm 2 x Support pipes L = 600 mm 15.0 t, VZ 975268 20.0 t, VZ 975529



#### **Production Program:**

Testing Technology for Cars, Trucks, Motorcycles, Tractors, Forklifts, Aircraft · Roller Brake Testers · Platform Brake Testers · Shock Absorber and Suspension Testers · Side-Slip Testers · Play Detectors · Roller Dynamometers for Performance and Function Testing · Speedometer Testers · Tachograph and Taximeter Testers · Axle and Wheel Load Scales · Scissors Lifts · Two- and Four-Post Lifts · In-Ground Lifts · Pit Jacks · Axle and Transmission Jacks · Mobile Column Lifts · Headlight Testers · Diesel Smoke Meters · Emission Testers for Petrol and Gas Engines · Sound Level Meters · Air Conditioning Service Equipment · Decelerometers · Closing Force Meters · Brake Fluid Testers · Complete Test Lanes for Cars and Trucks · Mobile Test Containers · Wheel Alignment Analysers · Wheel Balancers · Tire Changers. Additional Services: Workshop Design and Planning · Training Seminars for Users and Service Technicians



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