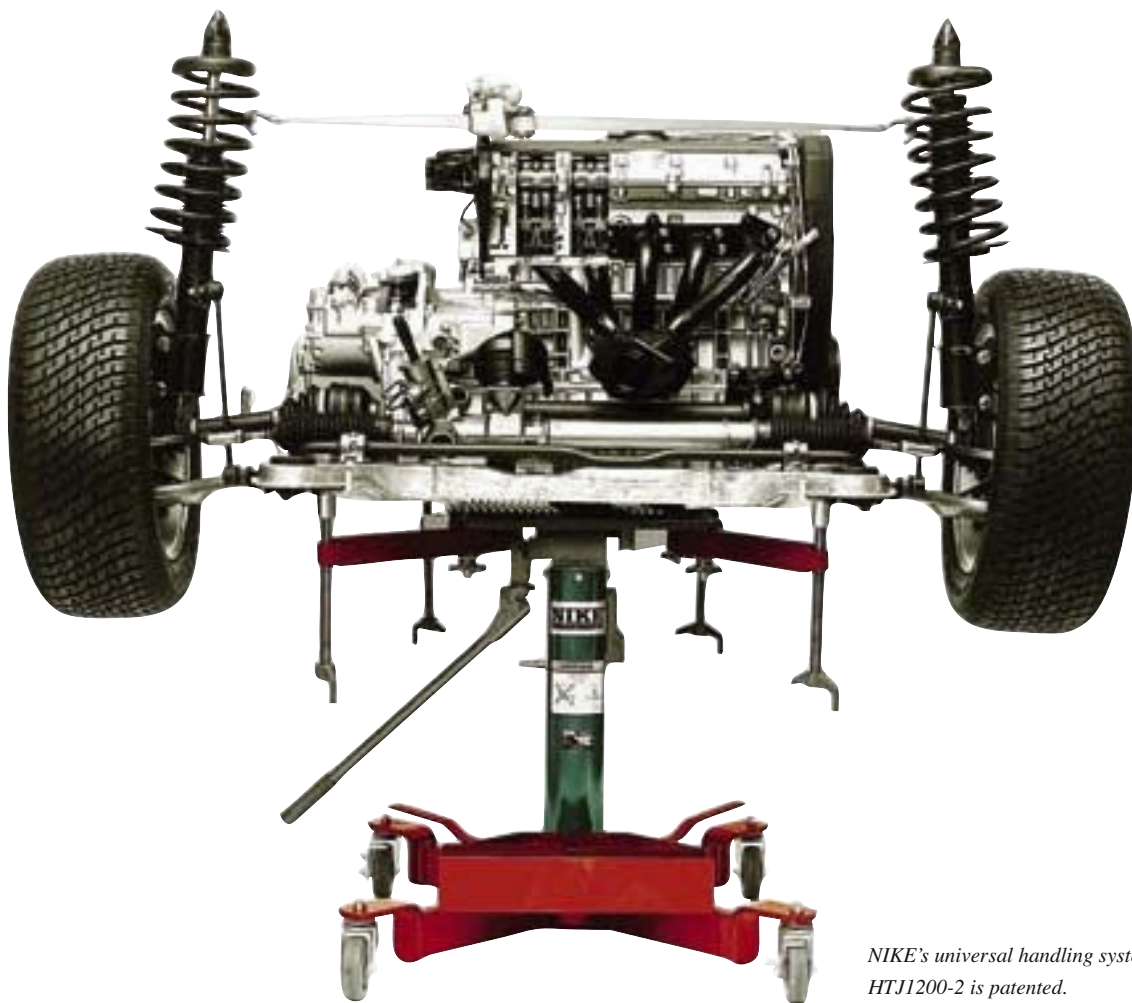


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# Universal handling system

*Strong and smart!  
- The universal handling system ...*



*NIKE's universal handling system  
HTJ1200-2 is patented.*

*... can easily be adapted to suit the  
lifting task you require.*

It has several advantages - it makes work easier and quicker, and it improves safety considerably. You can secure the load, there's no need to work in an unnatural position and you don't risk muscle strain through

heavy lifting. The tool box that comes with the system contains adapters to suit every vehicle on the market, and new adapters are continually being developed.

# Hydraulic automotive tools



*With the adapter kit, the universal handling system can easily be adapted for any lifting job.*

*Today's solutions for your needs of tomorrow.*

## **... is designed to meet today's and tomorrow's needs.**

The modular construction methods now used in the automotive industry are placing new demands on workshop equipment. Vehicle parts such as motor blocks or rear axles have to be dismantled and mounted from below. With the HTJ1200 system, these heavy lifts can be done in an effective and controlled way.

## **... lifts up to 545 kilograms.**

The system is capable of removing and fitting complete engine assemblies, rear axles, gearboxes, fuel tanks, exhaust systems and much more.

## **... saves time.**

Work can be carried out by one person instead of several. Furthermore, additional repair jobs can be carried out directly on the working platform. Therefore, the system reduces the total working time for complete repairs.

## **... has pneumatic and hydraulic operation.**

Lifting is done pneumatically and hydraulically. With pneumatics the load can be raised or lowered quickly. The hydraulic lifting gives the operator higher control and precision.

*NIKE's universal handling system is patented.*



## Technical data

<b>Model</b>	HTJ1200-2 universal
<b>Capacity</b>	545 kg
<b>Min. height</b>	755 mm
<b>Stroke, pneumatic/hydraulic</b>	472/473 mm
<b>Max. height</b>	1700 mm
<b>Length/width of base</b>	1050/1050 mm
<b>Weight</b>	76 kg
<b>Required air pressure</b>	0.8 MPa

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# Hydraulic spring compressor

*"It's amazing how powerful and easy-to-use this tool is..."*



*The hydraulic spring compressor from NIKE HYDRAULICS is a universal and very powerful tool. The spring compressor uses exchangeable jaws in order to suit almost any car model.*

**Universal, simple and safe** - these were the major criteria used when we developed and designed this tool. Due to enormous strong forces, working with springs is often both complicated and risky. Thanks to NIKE's

hydraulic spring compressor, this work can now be carried out much easier and safer. Because of the unique characteristics of the hydraulic spring compressor, this tool is a must-have-tool for any workshop.



Exchangeable jaws, easy to set up



Jaws for different types of springs

**Universal** - The hydraulic spring compressor uses common jaws which in many cases are already part of the work-shop equipment. Jaws are available for many different car models.\*

**Safe** - Mechanical tools with worn-out and heavy loaded parts mean a higher risk for personal injury. The hydraulic spring compressor has minimal wear and is therefore much safer than comparable mechanical tools.

**Easy to operate** - The hydraulic spring compressor is equipped with a quick-coupling which makes it easy to connect the tool to a foot-operated air/hydraulic pump (this type of pump is highly recommended). Thanks to the pump, the

operator has both hands free for controlling the tool. Further more, the spring compressor is provided with a flexible holding block, which allows the tool to be placed in a suitable angle on a work bench.

**Time saving** - The hydraulic spring compressor is a time saving tool because compression and decompression is done very quickly. Besides that, in many cases the tool can be used directly on the car.



Quick coupling with safety feature

## Technical data

<b>Model</b>	SC-23
<b>Max. working pressure</b>	70 MPa (700 bar)
<b>Max. load</b>	23 kN (2.3 t)
<b>Compression length</b>	250 mm (9.8 in)
<b>Total length of tool (max.)</b>	733 mm (28.8 in)
<b>Total length of tool (min.)</b>	483 mm (19 in)
<b>Weight (without jaws)</b>	7,7 kg (16.9 lbs)

\*For more detailed information, see separate product information.

# Universal hydraulic tool kit

*“The universal hydraulic tool kit’s unique adaptability allows the technician to carry out those awkward bushing replacement jobs with the absolute minimum of effort and can significantly reduce labour time on each job.”*



- Time saving
- Smart handling
- Flexible

The universal hydraulic tool kit is a powerful concept when it comes to the replacement of bushings and other similar components. The tool kit with the hydraulic cylinder, the air/hydraulic

pump, the patented adapter AD6-18 (\*), tube adapters, threaded rods and counter supporters is a universal solution for today and for the future.



*NIKE's universal hydraulic tool kit is patented.*

Time saving,  
smart handling and flexibility



*Control your work with the help of your foot.*



*Cylinder attached to wheel hub.*

**Reduce labour times** - With the universal hydraulic tool kit it is possible to significantly reduce labour times for many different applications. In many cases the amount of strip-down preparation is reduced since the tool kit allows you to work directly on the vehicle and the need to take the part to a workshop press eliminated.

The risk of damaging expensive components during the job, can be avoided with the hydraulic alternative.

**Get the work done** - Those situations where you earlier had to use a workshop press, for example to push out a bushing, a bearing or an axle, can be avoided by using the universal hydraulic tool kit. In many cases the replacement work can be done directly in place.



*NIKE recommends: the air/hydraulic pump PP70-1000*

**One man job** - When the hydraulic tool kit is assembled and connected to foot-operated air/hydraulic pump, the work can be carried out with high precision, because the operator has both hands free at all times.

## Step-by-step

- 1 Choose a tube adapter that fits, take the threaded rod and the nut.
- 2 Assemble the hydraulic tool kit
- 3 Pull out the old bushing by operating the air/hydraulic pump with your foot.

*Once you have become familiar with the tool and how to use it, you will find it very easy to adapt the tool for many different jobs.*

## Three different choices

Using hydraulic tools instead of its mechanical counterpart gives the operator major benefits and advantages. e.g. the tool allows high precision setting. Damage on componets and tools can therefore be avoided.

Choose from three different capacities, 6 tons, 13 tons or 18 tons. The size is depending on the types of bushing and other similar parts you encounter on a regular basis.

### *EBH6 - Tool kit 6 tons*



- Capacity 6 tons
- Suitable for many different passenger cars

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### *EBH13 - Tool kit 13 tons*



- Capacity 13 tons
- Suitable for vans and commercial vehicles

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### *EBH18 - Tool kit 18 tons*



- Capacity 18 tons
- Suitable for heavy commercial, plant and construction vehicles



## Some examples

Heavy jobs, like removing a bushing from a link arm, will be easier with the universal hydraulic tool kit.

The kit also contains the universal adapter AD6-18. The picture to the right shows the adapter and the cylinder CHF 62 attached to a bearing hub.



\* The adapter AD6-18 is patented.

## Technical data

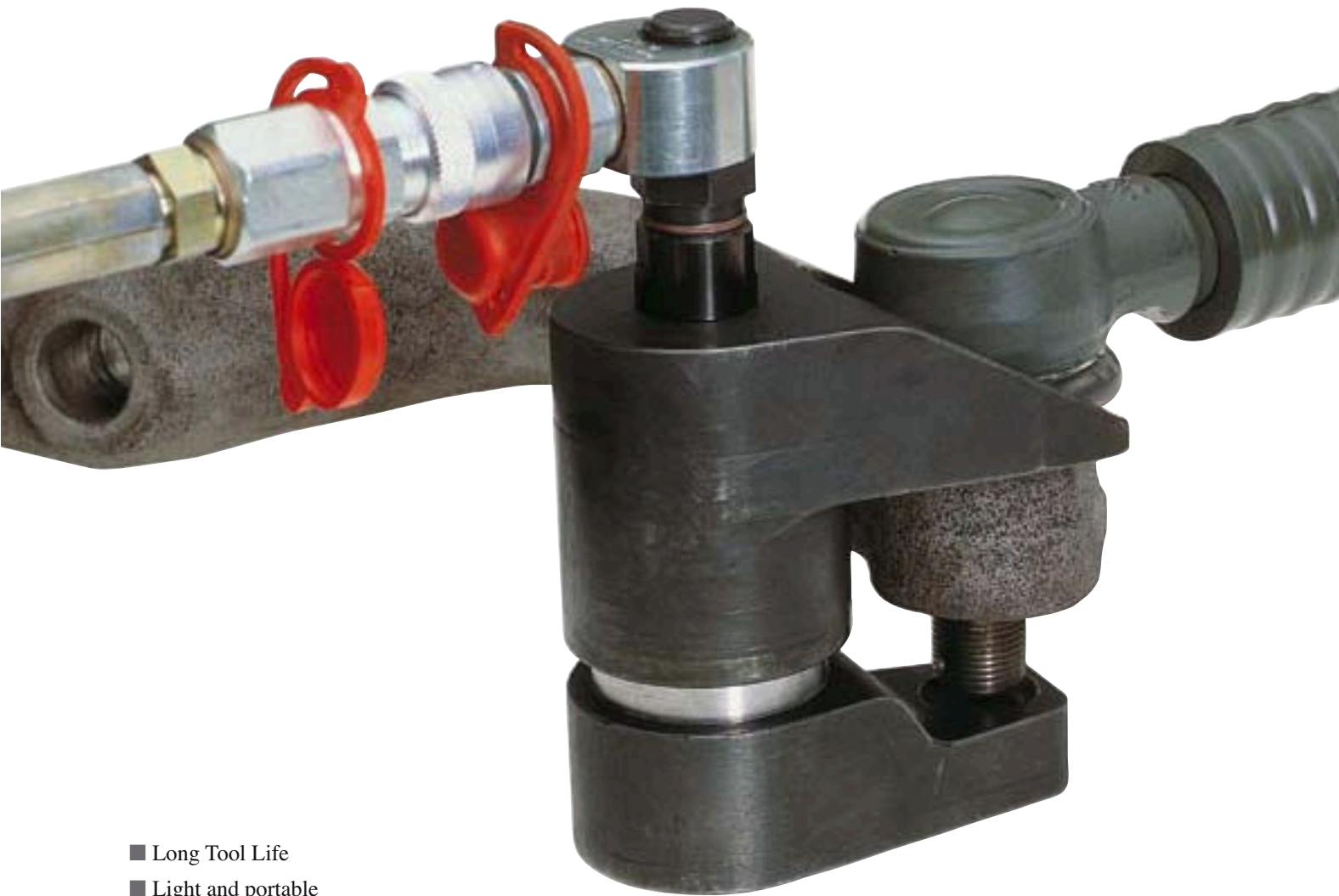
Hollow Cylinder	Capacity	Min height	Stroke	Hole	Art.no. EBH6	Art.no. EBH13	Art.no. EBH18
CHF62	60 kN	136 mm	50 mm	17 mm	X		
CHFA132	123 kN	165 mm	51 mm	22 mm		X	
CHFA182	176 kN	171 mm	51 mm	26 mm			X
Adapter	Outer diam	Height					
AD6-18	105 mm	30 mm			X	X	X
Tube adapter	Inner diam	Length					
TA49	49 mm	114 mm			X	X	(optional)
TA73	73 mm	115 mm			X	X	X
TA95	95 mm	116 mm			(optional)	(optional)	X
Bush remover	Outer diam	Inner diam	Hole				
BR35-25	35 mm	25 mm	16,5 mm		X	X	
BR45-30	45 mm	30 mm	16,5 mm		X	X	
BR55-35	55 mm	35 mm	16,5 mm		X	X	
BR65-40	65 mm	40 mm	16,5 mm		X	X	
BR70-50	70 mm	50 mm	25 mm				X
Threaded rod	Thread	Length	Breaking force				
TR12-500	M12	500 mm	88 kN		X		
TR16-500	M16	500 mm	163 kN		X	X	
TR20-500	M20	500 mm	255 kN			X	X



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# Hydraulic ball joint extractor

*Extracting ball joints becomes very easy with the simple-to-use hydraulic ball joint extractor.*



- Long Tool Life
- Light and portable
- Easy to use and safe



As with all other hydraulic tools, the universal hydraulic tool kit can be used either with hand operated pumps (A) or with air/hydraulic foot-operated pumps (B).

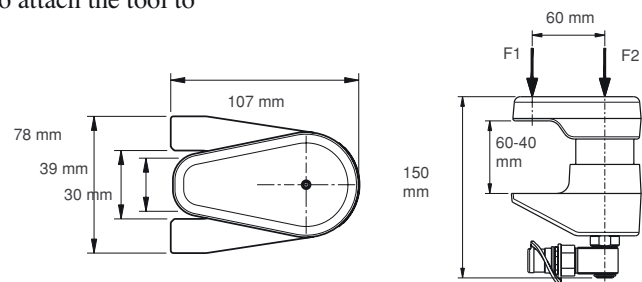


**Long tool life** - The hydraulic ball joint extractor has a substantially longer life time, than comparable mechanical tools. Because it is been operated together with an hydraulic pump with a safety valve which prevents the tool from overloading.

**Light and portable** - The light and handy hydraulic ball joint extractor is provided with a sviveling quick-coupling, which makes it easy to attach the tool to

a hydraulic pump and prepares the tool for beeing used directly on the vehicle.

**Easy to use** - When the hydraulic ball joint extractor is attached to a foot-operated air/hydraulic pump, the operator is able to handle the tool in a controlled way with both hands.



## Technical data

<b>Model</b>	BE57-39
<b>Max. working pressure</b>	70 MPa (700 bar)
<b>Capacity (F1)</b>	33 kN
<b>Capacity (F2)</b>	57 kN
<b>Stroke</b>	20 mm
<b>Working range</b>	40 - 60 mm
<b>Oil volume</b>	13 cm <sup>3</sup>
<b>Weight</b>	3.0 kg

# Hydraulic express puller

*Pullers for mounting and dismounting joints, gear wheels, bearings and many other applications.*

- Easily converted from three arm to two arm puller mode
- Adaptable to many applications
- With use of the support bar, can be converted into a 5t bench press
- Express puller together with the adapters is suited for standard sockets

**High flexible tool** - An express puller is a amazing tool. It can be used for such different and heavy jobs like mounting and dismounting joints, gear wheels, bearings and many other applications. Because the express puller can be converted from three to two arm mode, its possibilities are almost endless.

Furthermore, the EP55 can be converted to a fully operating bench press in just a matter of minutes.

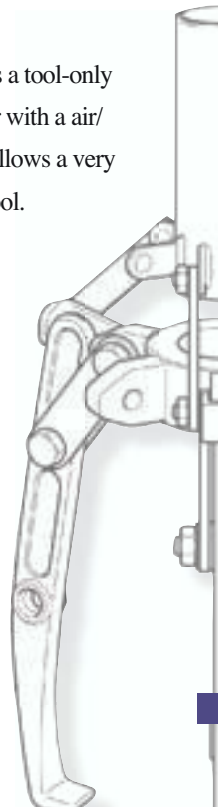
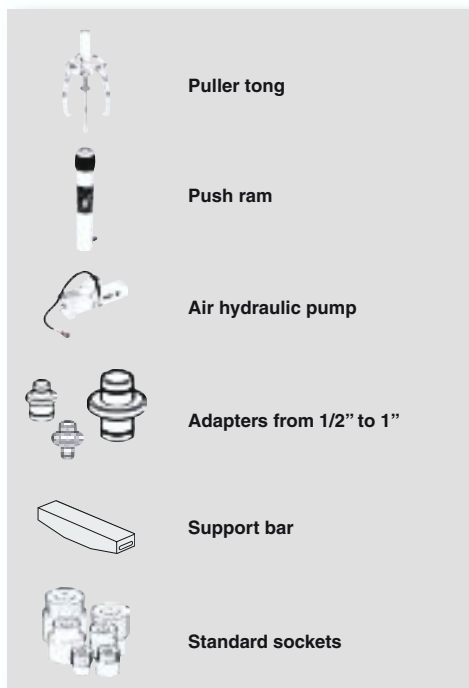
**A complete tool kit** - The express puller is available either as a tool-only version (EP55) or, which is preferred by most customers, together with a air/hydraulic pump (EPP55). The foot-operated air/hydraulic pump allows a very comfortable working position, since both hands can operate the tool.



*Converted two arm express puller EP55 operated by hydraulic hand pump*



*Express puller EP55 in three-arm-mode operated by air/hydraulic pump PP70-1000*



Model	EP55	EPP55
Puller tong, 5-208-N	●	●
Push ram, CFC55	●	●
Air hydraulic pump, PP70-1000Z	-	●
Adapter 1/2"	●	●
Adapter 3/4"	●	●
Adapter 1"	●	●
Support bar	●	●

# Hydraulic oil filter crusher

- For a better working environment and a cleaner world
- Reduce waste volume and disposal costs

## ZMF113

Drum-mounted oil filter crushers with pneumatically operated hydraulic pump. Can be mounted directly on drum.

Model	ZMF113
Press capacity	10 ton/111 kN
Weight	35 kg
Req. air pressure	0,6 - 1,0 MPa
Max. filter height	375 mm
Max. filter diameter	150 mm



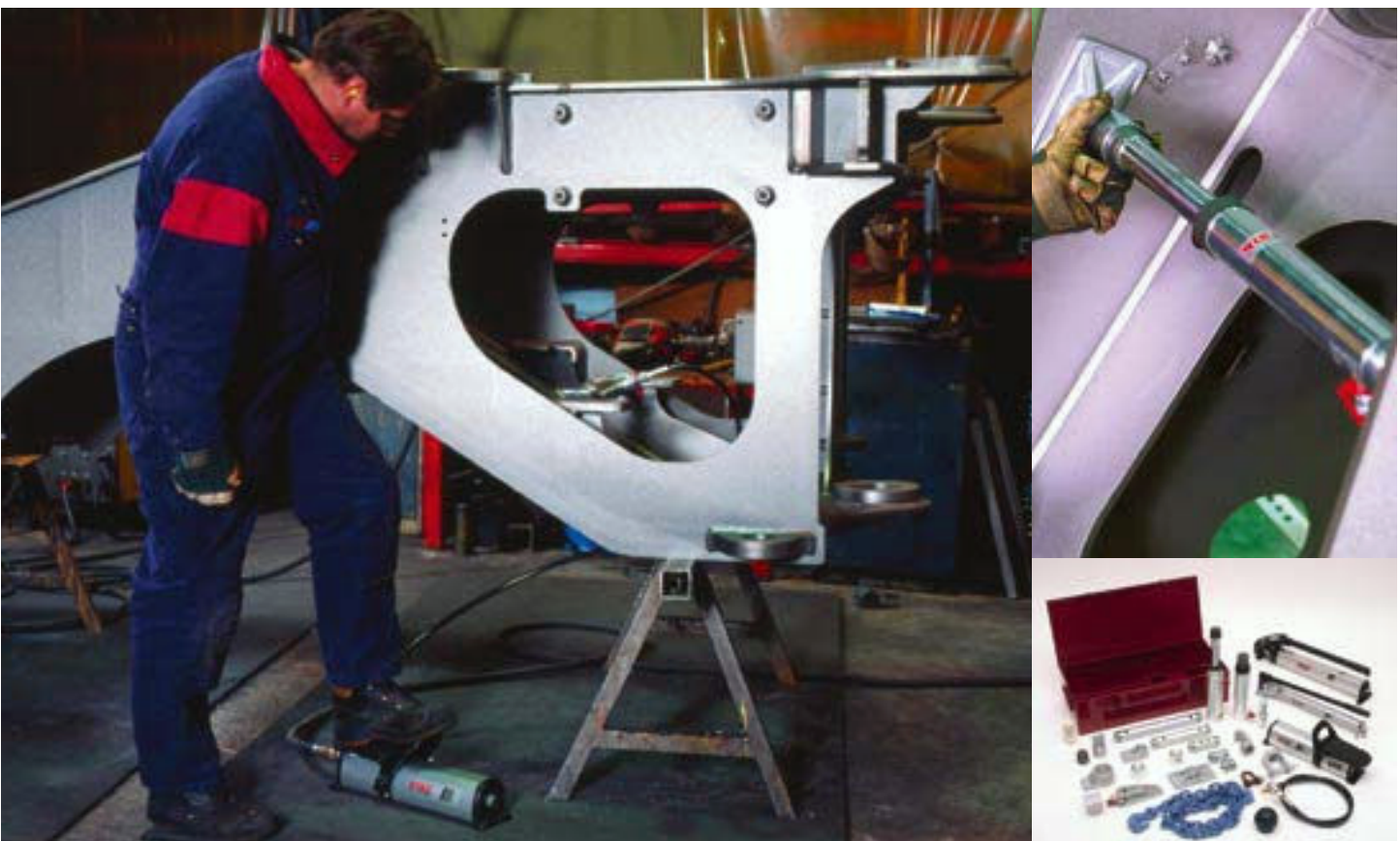
ZMF113



*When the tremendous forces of nature are revealed they make our own physical abilities seem rather insignificant. NIKE's hydraulic automotive tools let you use nature's forces in a controlled manner.*

# Hydraulic push and pull kits

*A hydraulic push and pull kit is an extremely flexible tool kit with many possibilities. Whenever it comes to pushing, pulling, compressing or to straightening operations, a hydraulic push and pull kit is the only tool you need.*



**Pushing, pulling, compressing and straightening operations** - At NIKE HYDRAULICS AB you can choose between several hydraulic push and pull kits with different capacities and accessories. Push and pull kits are

widely used by work shops in many different situations. Thanks to the broad range of accessories, a push and pull kit is a highly flexible tool.

Heavy, heavier, heaviest



### Three sizes

NIKE's hydraulic push and pull kits are manufactured in three different capacities. The smallest kit has a capacity of 5 tons, medium size has a capacity of 10 tons and the largest kit has a capacity of 20 tons.

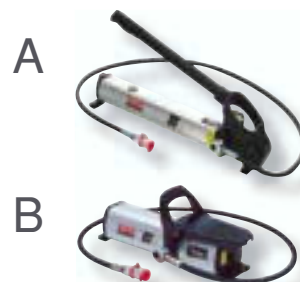
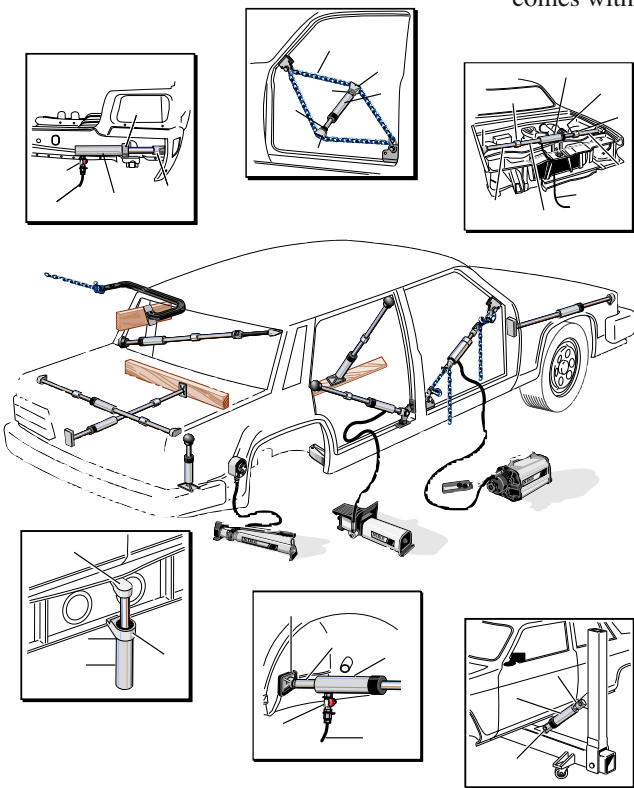
operations. If more power is needed, choose the 10 ton-kit instead. For really heavy jobs, we recommend the 20 ton-kit. Whether you choose the 5, 10 or 20 ton-kit you always get a flexible, effective and cost effective tool for different purposes.

Depending on the equipment you need, you choose between basic, standard or universal kits (5 or 10 ton-kit). The 20 ton-kit always comes with standard equipment.

### Hand or foot operated

And besides, in order to increase flexibility, each one of the kits can be ordered with either a hand operated pump (single or two step) or a air/hydraulic foot operated pump.

The smallest kit is recommended for light to medium heavy



As with all other hydraulic tools, the hydraulic push and pull kits can be used either with hand operated pumps (A) or with air/hydraulic foot-operated pumps (B).



### *NIKE push and pull kit - 5 tons*

- **Basic** - Ram (5 tons), pump, hose, extension tubes, clamp heads
- **Standard** - same as basic plus spreader and several extensions for the ram
- **Universal** - basic and standard parts plus pull ram (5 tons), chain, adapters for the extension tubes (as shown on the picture)



### *NIKE push and pull kit - 10 tons*

- **Basic** - Ram (10 tons), pump, hose, clamp heads, extension tubes
- **Standard** - same as basic plus spreader and several extensions for the ram
- **Universal** - basic and standard plus pull ram (10 tons), chain, adapters for the extension tubes (as shown on the picture)



### *NIKE push and pull kit - 20 tons*

- **Standard** - Ram (20 tons), pump, hose, extension tubes, clamp heads for the ram, pressure heads (as shown on the picture)

*For more detailed information regarding equipment included in the kits, please see separate product information.*