

AUTOMOTIVE AIR CONDITIONING CATALOGUE FOR SERVICING

Tube and hose connection technology, tools and accessories for repairs and servicing vehicle air-conditioning systems



WELCOME TO VULKAN LOKRING

WE ARE YOUR GLOBAL PARTNER FOR TOP CONNECTIONS





DEAR CUSTOMER,

For more than 30 years now, VULKAN LOKRING's success has been founded on worldwide patented, unique connecting elements for refrigerant lines. Originally developed for the absolute extreme conditions of space technology, we have continually improved our connections to meet the requirements of air-conditioning technology, thus developing into the leading specialist in this area on the world's market.

In the meantime, more than 1,000,000,000 LOKRINGS have been successfully used in the industrial volume production of vehicle air-conditioning systems, cooling and freezing units. Every year, several million vehicles leave the production lines at leading vehicle manufacturers with LOKRING technology installed. The expert knowledge we have gained as an original equipment manufacturer to the automotive industry can of course be drawn on continually for our tube and hose connections for the field of automotive servicing, too. This allows VULKAN LOKRING to provide a coordinated range of service-optimised tube and hose connections with TÜV certificate and in OEM quality.

Alongside the tried-and-trusted tube and hose connections, VULKAN LOKRING also supplies a comprehensive range of tools and service products in order to offer you, as a garage partner, a complete system solution from a single source.

Thanks to a world-wide sales network in more than 30 countries and production facilities in Germany, USA, Brazil and India, our teams of experienced engineers provide competent service directly on site. Our world-wide procurement management guarantees top-quality products at prices to suit the market.

Make the most of VULKAN LOKRING's experience and services as your best connection!

Sebastian Hackforth

Dr. Achim Brodde

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OVERVIEW OF ALL PRODUCTS

VULKAN LOKRING: OUR PATENTED SYSTEMS | P. 006



AND THIS IS HOW IT WORKS

This information will have you raring to go with the patented LOKRING technology. The use of LOKRINGS is easy, quick, universal and cost-effective – see for yourself!


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LOKRING, LOKCLIP & HOSELOK: CONNECTION TECHNOLOGY FOR SERVICING | P. 018



TOP CONNECTIONS

Whether you are a beginner or experienced user, you will find our comprehensive range of tube and hose connections with the respective assembly tools here. This system will turn you into a specialist for the repairs of vehicle air-conditioning systems in no time.

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A/C SERVICING

Made in Germany. Here you will find everything you need for professional and economic A/C servicing in day-to-day garage work. Thanks to in-house production and certified procurement management, we guarantee top quality for our products.

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A/C SERVICE: PROFESSIONAL TOOLS AND ACCESSORIES | P. 080



TOOLS AND ACCESSORIES

Here you will find further tools and the necessary accessories for professional A/C servicing work.

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OUR SERVICE

Would you like to request more information about other VULKAN LOKRING products, or send an inquiry or order? You'll find the documents you need here. We're happy to help.

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TRIED-AND-TRUSTED MILLIONS OF TIMES THE WORLD OVER: LOKRING AND LOKCLIP USED FOR VEHICLE REPAIR JOBS.

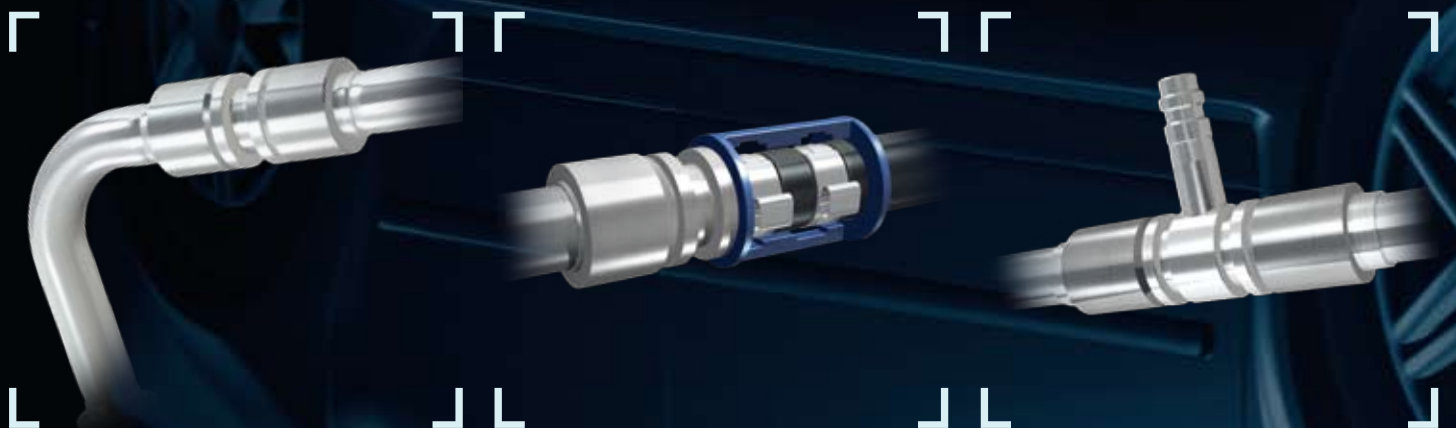
VULKAN LOKRING supplies a perfect range of tube and hose connections for repairs and replication of refrigerant lines in vehicle air-conditioning systems. The system provides you with a low-cost possibility of eliminating almost any damage to vehicle air-conditioning systems without having to wait for expensive spare parts. Depending on the installation situation, the faulty line may not even have to be removed. Help your customers towards a pleasant climate in their vehicle on-the-spot – in OEM quality!

The connection systems LOKRING and LOKCLIP provide repair alternatives based on current vehicle value without soldering, welding or thread cutting being necessary. Enabling you to avoid circuit soiling caused by scale and oxides. And to benefit from maximum flexibility – for cars, trucks, buses or special vehicles. With LOKRING and LOKCLIP you always have the suit-

able solution for every vehicle type, manufacturer and model year.

THE ADVANTAGES OF THE LOKRING PRINCIPLE

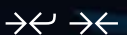
- For universal use, independent of the vehicle type and model year
- No waiting for expensive original spare parts
- TÜV-tested
- No welding, soldering or thread cutting necessary
- Clean: No residue in the pipeline
- Repair alternatives based on current vehicle value
- Eco-friendly and harmless connection technology and repair
- Used by OEMs



THE LOKRING PRINCIPLE!



ONE SYSTEM | ENDLESS POSSIBILITIES



- ⊗ Replication of hoses, tubes and elbows
- ⊗ Connection of hoses and tubes (union and reducing connectors)
- ⊗ Replacement of faulty low-pressure, high-pressure and pressure-switch connections
- ⊗ Repairs to orifice tubes
- ⊗ Replacement and connection of Spring-Lock connections
- ⊗ Connection of auxiliary devices with distributors
- ⊗ Replacement of faulty threads and repairs to compressor connections (with O-ring repair connections and Tube-O connections)
- ⊗ Setting up sealing head connections (SAE-standard)
- ⊗ Replacement of quick disconnect connections

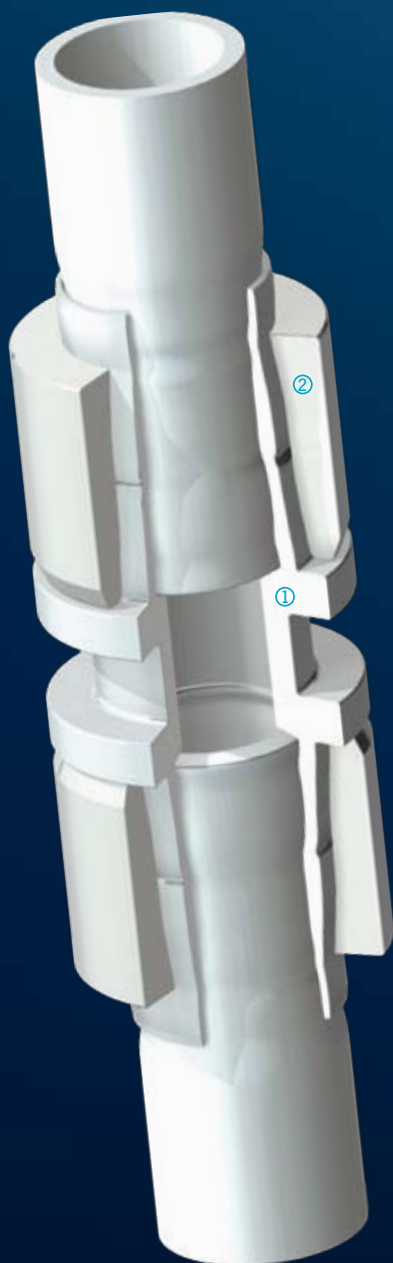


LOKRING ASSEMBLY

ONE JOINT, TWO RINGS, 4 STEPS – THAT'S ALL THERE IS TO IT.

The typical LOKRING union joint consists of two LOKRINGS and one tubular joint for the acceptance of the two tube ends. Thanks to the conical inner contour of the LOKRING and the special outer contour of the joint, the diameter of the connection is reduced during assembly to such an extent that the joint and the tube create a hermetically sealed metal-to-metal

connection. The lifetime air-tightness of the fitted connection is guaranteed by the state of permanent elastic pre-tension, which is produced by the radial forces of the LOKRINGS acting in the opposite direction to the tube-joint connection.



THE COMPONENTS OF A LOKRING CONNECTION

①



JOINT

The shape of the joint to be used is defined by one of the many types, sizes and repair situations.

②



LOKRINGS

When assembled, LOKRINGS guarantee a permanent tube connection. Up to a diameter of 12 mm, the LOKRINGS are pre-assembled on the fitting when delivered.



LOKPREP

Thanks to its specially developed properties, LOKPREP secures the airtight seal of the tube connection for a lifetime.

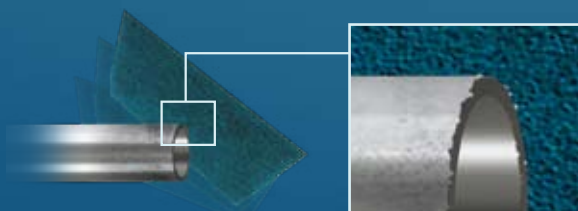


LOKTOOL

The hand assembly tool reduces the manual force needed during assembly. The assembly jaws are easy to replace to match the size of the LOKRING to be fitted.

STEP 01 | CLEAN THE TUBE ENDS

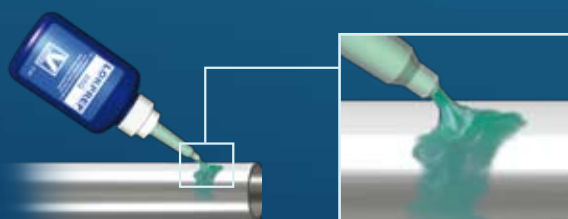
To ensure that the connection is hermetically sealed, the tube ends have to be metallically bright. First, use our abrasive mat to remove all soiling. In order to prevent longitudinal grooves, the tube ends have to be cleaned in a rotary direction. Avoid sanding movements in the longitudinal direction of the tube.



STEP 02 | APPLY LOKPREP

Next, moisten the whole tube circumference with LOKPREP by guiding the bottle 360° around the outside of the tube. Apply the LOKPREP a little away from the cut edge to prevent it getting onto the inside of the tube.

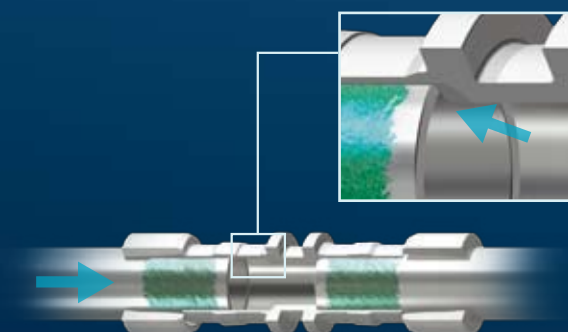
Depending on the repair situation, there are several different possibilities of applying LOKPREP over an area - see opposite.



STEP 03 | INSERT TUBES

Next, insert the tubes with the LOKPREP film into the joint.

Make sure that the ends of the tubes are inserted to the inner limit and remain fixed in this position during assembly.



STEP 04 | PRESS INTO PLACE

Finally, apply the manual assembly tool to the union joint so that the LOKRINGS are seated squarely in the assembly jaws and then press the LOKRINGS axially onto the joint until they meet at the centre stop. – Ready to go.



LOKCLIP ASSEMBLY

EXPENSE? — YOU CAN COUNT IT ON THE FINGERS OF ONE HAND.






LOKCLIP technology provides you with a simple and low-cost alternative to pressed and screwed connections for tubes.

LOKCLIPs can be used to set up both hose-to-hose and hose-to-tube connections for all conceivable repair situations. The system, comprising stainless steel clips, clip position holder and

contoured joint practically excludes application mistakes during assembly. Alongside the important SAE J2064, LOKCLIPs meet all the required standards.



THE COMPONENTS OF A LOKCLIP CONNECTION

- | | | | |
|---|--|------------------------------|---|
| ① |  | JOINT | The shape of the joint to be used is defined by one of the many types, sizes and repair situations. |
| ② |  | LOKRING | When assembled, the LOKRING guarantees a permanent tube connection. |
| ③ |  | STAINLESS STEEL CLIPS | The stainless steel clips press the hose as a tight fit onto the contoured joint. |
| ④ |  | PLASTIC CLIP HOLDER | The clip position holder ensures during assembly that the stainless steel clips are pressed as an exact fit into the contour of the joint. |
| |  | LOKTOOL | Those who already work with LOKRINGS only need an additional pair of assembly jaws to set up tube and hose connections with the same assembly tool. |



STEP 01 | INSERT STAINLESS STEEL CLIPS

Insert the two stainless steel clips in the clip position holder in such a way that the clips are easily accessible for the subsequent pressing process using the assembly tool.



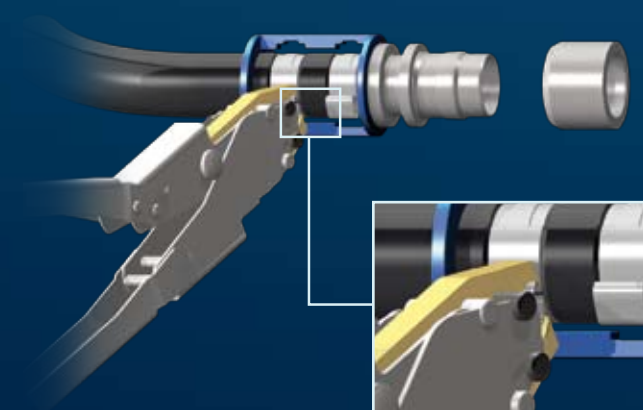
STEP 02 | PUSH THE LOKCLIP ONTO THE HOSE

Insert the hose into the position holder with pre-mounted clips as far as it will go.



STEP 03 | LUBRICATE AND PUSH IN JOINT

Lubricate the joint with a little refrigerant oil. This allows it to be pushed into the end of the hose more easily. Then push the joint into the hose as far as it will go.



STEP 04 | PRESS INTO PLACE

Press the stainless steel clips using the hand assembly tool. Start with the clip positioned at the side of the hose.



STEP 05 | SETTING UP A TUBE CONNECTION

The LOKCLIP connection is ready to use! Now, as shown with this variant, you can connect a tube on the other side with the aid of a LOKRING as before. For a more detailed explanation of LOKRING assembly see pages 008/009. In the case of a hose-to-hose connection, the steps shown here are repeated.

LOKRING AND LOKCLIP MATERIAL COMBINATIONS

DOESN'T WORK? – THERE'S NO SUCH THING!

The LOKRING and LOKCLIP connection technology will make it easier for you to repair connections in the refrigerant circuit. Conventional methods such as soldering, welding or thread-cutting are time-consuming, cause damaging soiling and lead to weak spots in the refrigerant circuit.



LOKRING MATERIAL COMBINATIONS

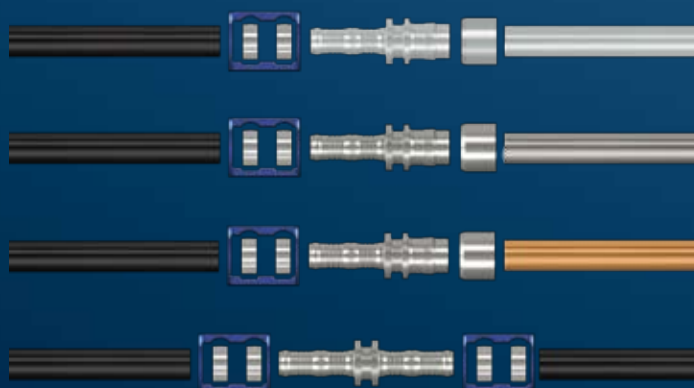


What can you connect using LOKRINGS? There's a simple answer to that: All the metal tubes used in air-conditioning and cooling technology with a wall thickness of 0.5 mm to 1.5 mm. There is almost no limit to the combination variations here. One rule of thumb is: If at least one of the tubes to be connected is made of aluminium, an aluminium LOKRING must be used as well. In all other cases, a brass LOKRING is used.






In contrast, the LOKRING/LOKCLIP system offers you the possibility of connecting a wide range of different materials to each other – without diminishing the quality of the connection in comparison to expensive original spare parts.



LOKCLIP MATERIAL COMBINATIONS



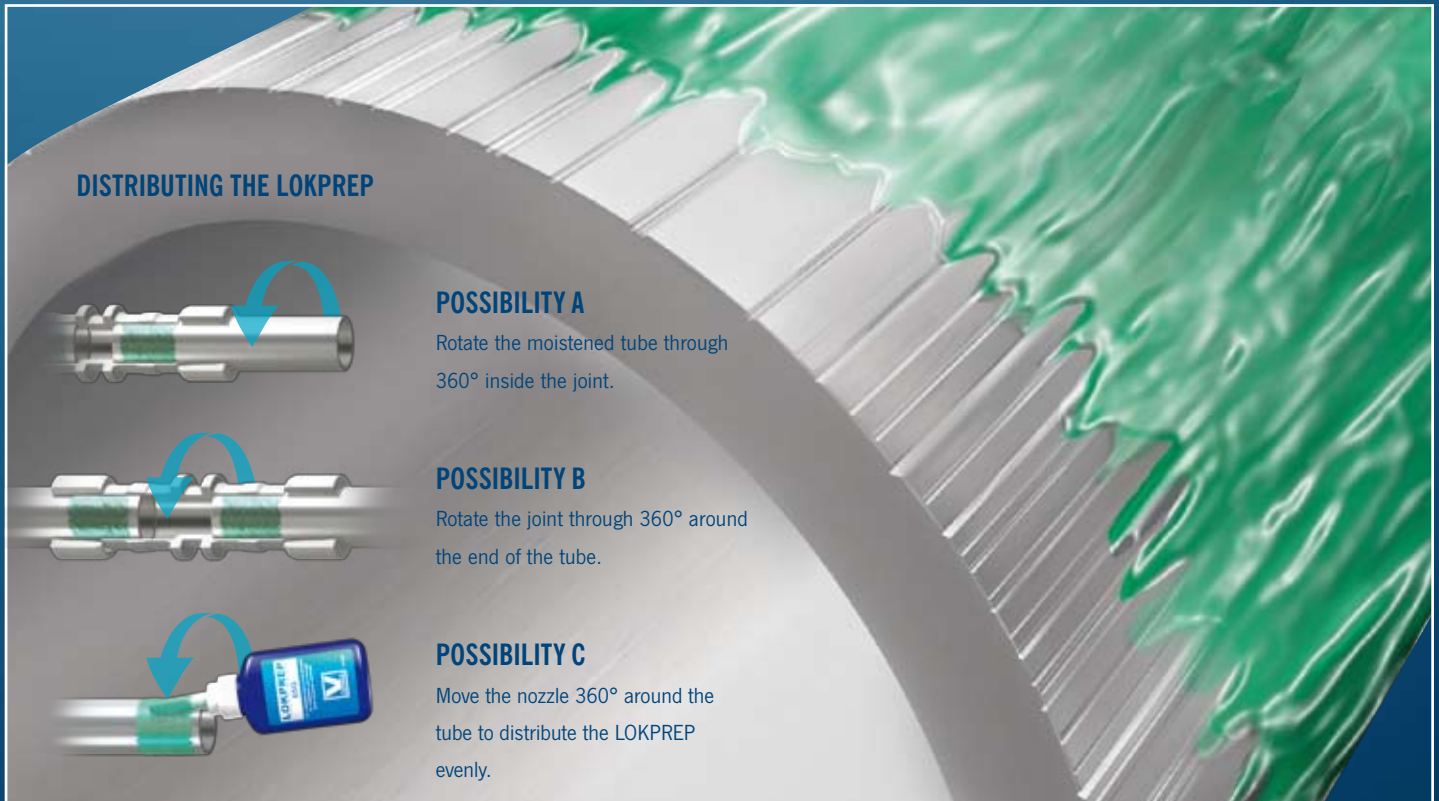
MATERIALZUORDNUNG

 Steel	 Aluminium	 Copper
 Brass	 Hose material	

With the LOKCLIP it's also a case of "Doesn't work? – there's no such thing!" As shown, you can connect every hose either with a hose connection or any other material used for tubes in air-conditioning and cooling technology.

LOKPREP FLUID

HERMETIC SEAL FOR YOUR TUBE CONNECTION.



360° LOKPREP FOR THE TUBE – NO WORRIES FOR YOU ALL ROUND.

Metal tubes can have longitudinal grooves on the surface from production. These production-related faults can be compensated quite easily by moistening the tube ends to be connected with LOKPREP fluid before assembly. Thanks to its capillary characteristic, it can even flow into microscopic cavities and fill these out completely. LOKPREP is not an adhesive, rather an anaerobic sealant which hardens under oxygen exclusion

and in contact with free metal ions. Its elastic structure is permanently retained in a temperature range of –50 to +150°C – thus compensating material-specific deformations due to fluctuations in temperature.

Since LOKPREP does not contain solvents which have to evaporate during hardening, the finished connection is ready for use shortly after assembly.



LOKPREP 65G
Anaerobic sealant

Article no.	Article name	Quantity
L14000878	LOKPREP 65G	15 ml



QUICK. EASY. AND HERMETICALLY SEALED.

LOKRING AND LOKCLIP A CLEAN TEAM.

➔ NO WAITING FOR EXPENSIVE SPARE PARTS

No matter whether it's a car, truck, commercial vehicle or bus. No matter which manufacturer or model year it is. You will always have the suitable solution with LOKRING & LOKCLIP. Where other service providers are still looking for the right original spare part and have to put up with long delivery times, your vehicles are back on the road. Your customers do not have to wait!

REPAIRS WITH LOKRING AND LOKCLIP

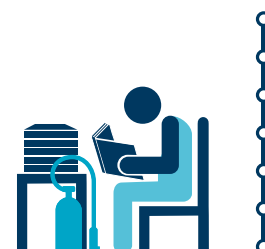


CONVENTIONAL REPAIRS



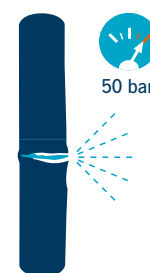
➔ SIMPLE ASSEMBLY

LOKRINGS and LOKCLIPS can be pressed into place extremely easily using only one tool and in next to no time. In most cases, you can carry out assembly directly in the engine compartment without having to remove the faulty refrigerant tube. Saving you time and money.



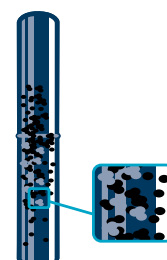
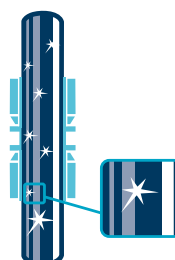
➔ HERMETICALLY SEALED AND PRESSURE-RESISTANT

The German Technical Board (TÜV) confirms: LOKRING connections are hermetically sealed and pressure-resistant up to 50 bar (with four times the safety). Burst pressure tests have shown: The tube is more likely to yield than a LOKRING. Tensile loads of up to 2 tonnes are no problem for the connection either. It's not for nothing that the system, which has proved its worth millions of times over, is used by leading air-conditioning manufacturers. The LOKCLIP system meets the requirements of the international standard SAE J2064 and reduces refrigerant loss by up to 74 % compared with conventional systems.



➔ NEAT AND TIDY SOLUTION

Faulty tubes are still often soldered or welded. The result: soiling such as scale or solder residue often gets into the air-conditioning circuit, contaminating and damaging the whole system. One problem you don't even have to think about with LOKRING & LOKCLIP. The refrigerant keeps clean – and every connection is a neat and tidy solution.



THERE'S A NAME FOR PROFESSIONAL REPAIRS: »LOKRING« AND THAT HAS BEEN TRIED AND TESTED MILLIONS OF TIMES OVER



INDUSTRIAL PRODUCTION

For 3 decades, the world's leading manufacturers of vehicle air-conditioning systems, refrigerators and freezers have been relying on the LOKRING principle. More than 1,000,000,000 LOKRINGS have been installed in original equipment refrigerant circuits ex factory. LOKRING is the most economical, cleanest and most reliable method in industrial production, too. LOKRING often provides the most straightforward solution, where conventional methods do not offer a real economic alternative on account of inaccessible installation situations or problematic material combinations.

VEHICLE AIR CONDITIONING SERVICING

In the field of automotive air conditioning servicing, the tube and hose connection system from VULKAN LOKRING provides a straightforward, clean and versatile alternative based on current vehicle value for the repair of the refrigerant circuit in vehicle air-conditioning systems. Conventional methods such as welding, soldering and thread cutting, as well as long waiting times for expensive original spare parts are thus a thing of the past.

As the test winner in terms of garage suitability, the fully automatic air-conditioning unit SpeedMaxx 3 guarantees economical air-conditioning servicing. Thanks to its »Made in Germany« philosophy, VULKAN LOKRING guarantees you a top precision air-conditioning service unit from its own development and production departments at an amazing price.

WHITE GOODS SERVICING

LOKRING supplies the complete range for the professional servicing of white goods. Leading manufacturers of white goods who use LOKRING as original equipment in their appliances, equip their service technician teams with LOKRING equipment. This way, every repair becomes economical despite increasing cost sensitivity in the service sector, enabling the service life of white goods to be increased significantly.

BUILDING AIR CONDITIONING

During the installation of air-conditioning systems in private and industrial buildings, the connection of refrigerant lines is the one special factor critical for success. Working with an open flame during normal factory working hours is often only allowed once extreme safety precautions have been taken or is prohibited completely. The LOKRING system has no such restrictions. LOKRINGS can be used anywhere, anytime without any problems.

There is no fire hazard when working in rooms where a fire is potentially possible. Clean tube connections without soiling the circuit through oxide formation. No development of toxic substances during the combustion of oils and refrigerants. No transport of heavy tools.

WHEN WE EXCHANGE RINGS, WE'RE MAKING A PROMISE. GUARANTEED BY OUR QUALITY CONTROL.

LOKRING QUALITY MANAGEMENT

The name VULKAN LOKRING has been standing for top quality for 30 years. Our quality management system has been certified by the material testing authority in North-Rhine Westphalia according to DIN EN ISO 9001:2000. To guarantee this quality permanently, we manufacture our LOKRINGS using our own production and control procedures. Thanks to highly developed systems for industrial image processing, we manage to carry out dimension tolerance checks on all the LOKRINGS we produce. As an original equipment manufacturer to the automotive industry, we are used to not making mistakes.

SPEEDMAXX 3 – PUT THROUGH ITS PACES

The SpeedMaxx was developed by the engineering team at VULKAN LOKRING with the requirement of building the best air-conditioning service unit in the world. Leading German vehicle manufacturers confirm today: We have achieved this goal! VULKAN LOKRING's 30 years of experience in cooling and air-conditioning technology were incorporated in the development. Tests were carried out in South Africa under the toughest climate conditions we could find. The result: SpeedMaxx stands out thanks to its all-time precision coupled with no-compromise garage suitability.

The 3rd generation SpeedMaxx is produced 100% »Made in Germany« at VULKAN LOKRING. Every SpeedMaxx 3 that leaves the factory has been built by only one of our experienced employees. Every employee stands behind the quality of the SpeedMaxx 3 when he or she signs the control form at the end of the quality control process following more than 50 test steps.



TUBE AND HOSE CONNECTIONS

LOKRING, LOKCLIP AND HOSELOK

TRIED-AND-TRUSTED BILLIONS OF TIMES THE WORLD OVER

For more than 30 years now, VULKAN LOKRING's success has been founded on worldwide patented, unique connections for refrigerant lines. Originally developed for the absolute extreme conditions of space technology, we have continually improved our connections to meet the requirements of air-conditioning technology. In the meantime, more than 1,000,000,000 »LOKRINGS« have been successfully used in the industrial volume production of vehicle air-conditioning systems and cooling units.

Every year, millions of vehicles leave the production lines at leading vehicle manufacturers with LOKRING technology installed. The expert knowledge we have gained as an industrial original equipment manufacturer can of course be drawn on continually for our tube and hose connections for the field of automotive servicing, too. This allows VULKAN LOKRING to provide a coordinated range of tube and hose connections with TÜV certificate and in OEM quality.





LOKRING

THERE'S A NAME FOR PROFESSIONAL TUBE REPAIRS: LOKRING



QUICK. EASY. HERMETICALLY SEALED.

The patented LOKRING system allows you to repair tubes in vehicle air-conditioning systems easily, quickly and at low cost. Annoying delivery times for sometimes difficult to obtain and expensive original spare parts are now a thing of the past. Thanks to the comprehensive range of special connections, you can help your customer directly on the spot. The special tool firmly presses the connection into place in no time.

You neither have to do any welding, soldering or thread cutting. Manufacturers have been relying on this »clean« connection for

years. Which is why most vehicle air-conditioning systems contain LOKRING connections when they leave the factory. The TÜV-tested LOKRING connection is absolutely airtight and pressure-resistant up to 50 bar with fourfold safety. You can use LOKRING connections without any reservations in a temperature range of -50 °C to +150 °C.


When using LOKRING tube connections it is necessary to follow the instructions in „The LOKRING tube connection – General fundamentals and application guidelines”.

LOKRING: TUBE CONNECTION TECHNOLOGY FOR SERVICING | P. 020



ONE SYSTEM – ENDLESS POSSIBILITIES

Here you will find everything from basic equipment through assembly tools to union joints for different applications in the tube connection field.

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ASSEMBLY TOOLS

FOR LOKRING CONNECTIONS

LOKTOOL: MZ | Hand assembly tool



LOKTOOL hand assembly tool*

The classic model. Our patented hand assembly tools were developed especially for LOKRING assembly. You only need one tool, because the assembly jaws can be exchanged quickly and easily.

* Supplied without assembly jaws

Article no.	Article name	Description
L13002095	LOKtool MZ	Hand assembly tool

LOKTOOL: MZ-V | Hand assembly tool



LOKTOOL hand assembly tool*

The flexible model. The MZ-V was developed for use in areas that are difficult to access. Since the handles are offset on both sides, the MZ-V is also suitable for flexible use during work in the engine compartment.

* Supplied without assembly jaws

Article no.	Article name	Description
L13002811	LOKtool MZ-V	Hand assembly tool

LOKTOOL: MB EVP | Assembly jaws



LOKTOOL assembly jaws for LOKRING

The assembly jaws fit the hand assembly tools LOKTOOL MZ and LOKTOOL MZ-V. They can be replaced easily and quickly, thus enabling LOKRING assembly on different tube diameters using only one tool. For assembly it is necessary to use two assembly jaws. The unit is one piece.

Article no.	Article name	For tube outer ø
L20000304	LOKtool MB 8 EVP	bis 8 mm
L20000305	LOKtool MB 10 EVP	9 – 11 mm
L20000306	LOKtool MB 12 EVP	12 – 13 mm
L20000307	LOKtool MB 16 EVP	14 – 17 mm
L20000308	LOKtool MB 19 EVP	18 – 20 mm

LOKPREP: 65G | Anaerobic sealant



LOKPREP 65G, sealant for LOKRING assembly*

LOKPREP was developed especially for LOKRING assembly and always has to be used wherever LOKRINGS are to be fitted. LOKPREP compensates possible unevenness in the tube surface, thus guaranteeing that every LOKRING connection is hermetically sealed.

* A detailed description of the use of LOKPREP can be found on page 013.

Article no.	Article name	Quantity
L14000878	LOKPREP 65G	15 ml

LOKTOOL: SV.3 | Abrasive mat



LOKTOOL abrasive mat

- ⌚ For cleaning the tube ends
- ⌚ Suitable for all functions
- ⌚ Solvent-resistant
- ⌚ Dimensions: 158 mm x 224 mm
- ⌚ In packs of: 3 mats

Article no.	Article name	Description
L13004251	LOKtool SV.3	Abrasive mat

LOKRING BASIC EQUIPMENT

THE PERFECT STARTER PACKAGE

LOKBOX: LR AUTOMOTIVE BASIC | LOKRING basic equipment



LOKRING basic equipment – LOKBOX LR Automotive basic

All you need for a perfect start in the world of quick, easy and low-cost repairs to tubes in vehicle air-conditioning systems in a sturdy steel case with clear inner compartments.

Scope of supply

- ⊗ LOKRING tools
- ⊗ LOKPREP 65G anaerobic sealant
- ⊗ LOKRING aluminium union joints
- ⊗ LOKRING aluminium reducing connectors
- ⊗ LOKRING aluminium elbows

Article no.	Article name	Description
L13003676	LOKbox LR Automotive basic	Set in case



LOKBOX: LR AUTOMOTIVE PRO | LOKRING extension set



LOKRING extension set – LOKBOX LR Automotive pro

The ideal supplement for the LOKBOX LR Automotive basic set. This extension set provides you with the optimum equipment required by an air-conditioning professional.

Scope of supply

- LOKRING aluminium reducing connectors
- LOKRING aluminium low-pressure connections
- LOKRING aluminium high-pressure connections
- LOKRING aluminium pressure switch connections
- LOKRING repair set for orifice tubes
- LOKRING aluminium O-ring repair connections

Article no.	Article name	Description
L13003692	LOKbox LR Automotive pro	Set in case

①				②			
Article no.	Article name	Description	Quantity	Article no.	Article name	Description	Quantity
L13003676	LOKbox LR Automotive basic	Basic equipment	1	L13003692	LOKbox LR Automotive pro	Extension set	1
L13002811	LOKtool MZ-V	Hand assembly tool	1	L13001443	LOKring 9,53/8 NR AI 50	Aluminium reducing connectors	2
L20000304	LOKtool MB 8 EVP	Assembly jaws	2	L13001690	LOKring 13/12 NR AI 50	Aluminium reducing connectors	2
L20000305	LOKtool MB 10 EVP	Assembly jaws	2	L13001733	LOKring AI LP-NK10	Aluminium low-pressure connection	1
L20000306	LOKtool MB 12 EVP	Assembly jaws	2	L13001427	LOKring AI LP-NK12	Aluminium low-pressure connection	1
L20000307	LOKtool MB 16 EVP	Assembly jaws	2	L13001428	LOKring AI LP-NK13	Aluminium low-pressure connection	1
L20000308	LOKtool MB 19 EVP	Assembly jaws	2	L13001377	LOKring AI LP-NK16	Aluminium low-pressure connection	1
L14000878	LOKPREP 65G	Anaerobic filler	1	L13001378	LOKring AI LP-NK19	Aluminium low-pressure connection	1
L13004251	LOKtool SV.3	Abrasive mat	1	L13001336	LOKring AI HP-NK8	Aluminium high-pressure connection	1
L13001393	LOKring 8 NK AI 50	Aluminium union joints	2	L13001373	LOKring AI HP-NK9,53	Aluminium high-pressure connection	1
L13001394	LOKring 9,53 NK AI 50	Aluminium union joints	2	L13001374	LOKring AI HP-NK10	Aluminium high-pressure connection	1
L13001395	LOKring 10 NK AI 50	Aluminium union joints	2	L13001375	LOKring AI HP-NK12	Aluminium high-pressure connection	1
L13004273	LOKring 12 NK AI 50	Aluminium union joints	2	L13001376	LOKring AI HP-NK13	Aluminium high-pressure connection	1
L13001270	LOKring 13 NK AI 50	Aluminium union joints	2	L13002378	LOKring AI SP F1/4-NK9,53	Aluminium pressure switch connection	1
L13001273	LOKring 16 NK AI 50	Aluminium union joints	2	L13002379	LOKring AI SP F1/4-NK13	Aluminium pressure switch connection	1
L13001275	LOKring 19 NK AI 50	Aluminium union joints	2	L14001066	LOKring AI OTRK GM M3/4-NK13	Aluminium repair set for orifice tubes	1
L13001610	LOKring 10/9,53 NR AI 50	Aluminium reducing connectors	2	L14002595	LOKring AI OR MI06-9,53	Aluminium O-ring repair connections	1
L13001440	LOKring 16/15 NR AI 50	Aluminium reducing connectors	2	L14002596	LOKring AI OR MI08-13	Aluminium O-ring repair connections	1
L13003169	LOKring 17/16 NR AI 50	Aluminium reducing connectors	2	L14002597	LOKring AI OR MI10-16	Aluminium O-ring repair connections	1
L13001691	LOKring 19/18 NR AI 50	Aluminium reducing connectors	2	L14002598	LOKring AI OR MI12-19	Aluminium O-ring repair connections	1
L14002231	LOKring AI EB45° 9,53	Aluminium elbows 45°	1	L14002599	LOKring AI OR F06-9,53	Aluminium O-ring repair connections	1
L14002232	LOKring AI EB45° 13	Aluminium elbows 45°	1	L14002600	LOKring AI OR F08-13	Aluminium O-ring repair connections	1
L14002233	LOKring AI EB45° 16	Aluminium elbows 45°	1	L14002601	LOKring AI OR F10-16	Aluminium O-ring repair connections	1
L14002234	LOKring AI EB90° 9,53	Aluminium elbows 90°	1	L14002602	LOKring AI OR F12-19	Aluminium O-ring repair connections	1
L14002235	LOKring AI EB90° 13	Aluminium elbows 90°	1	L14002603	LOKring AI OR M06-9,53	Aluminium O-ring repair connections	1
L14002236	LOKring AI EB90° 16	Aluminium elbows 90°	1	L14002604	LOKring AI OR M08-13	Aluminium O-ring repair connections	1
				L14002605	LOKring AI OR M10-16	Aluminium O-ring repair connections	1
				L14002606	LOKring AI OR M12-19	Aluminium O-ring repair connections	1

UNION JOINTS AND REDUCING CONNECTORS

FOR CONNECTING TUBES

LOKRING: NK AL 50 | Aluminium union joints



LOKRING aluminium union joints

For connecting aluminium tubes with identical outer diameters.

* Further diameters on request

Article no.	Article name	ø* [mm inches]	
L13001393	LOKring 8 NK Al 50	8	5/16
L13001394	LOKring 9,53 NK Al 50	9.53	3/8
L13001395	LOKring 10 NK Al 50	10	-
L13004273	LOKring 12 NK Al 50	12	-
L13001270	LOKring 13 NK Al 50	13	1/2
L13001273	LOKring 16 NK Al 50	16	5/8
L13001275	LOKring 19 NK Al 50	19	3/4

LOKRING: NK MS 50 | Brass union joints



LOKRING brass union joints

For connecting steel or copper tubes with identical outer diameters

* Further diameters on request

Article no.	Article name	ø* [mm inches]	
L13001392	LOKring 8 NK Ms 50	8	5/16
L13001390	LOKring 9,53 NK Ms 50	9.53	3/8
L13001391	LOKring 10 NK Ms 50	10	-
L13001220	LOKring 12 NK Ms 50	12	-
L13001571	LOKring 12,7 NK Ms 50	13	1/2
L13001261	LOKring 16 NK Ms 50	16	5/8
L13000605	LOKring 19 NK Ms 50	19	3/4

LOKRING: NR AL 50 | Aluminium reducing connectors



LOKRING aluminium reducing connectors

For connecting metric to imperial aluminium tubes.

* Further reducing connectors on request

Article no.	Article name	ø* Tube 1		→	ø* Tube 2	
		[mm inches]	→		[mm inches]	
L13001443	LOKring 9,53/8 NR Al 50	9.53	3/8	→	8	5/16
L13001610	LOKring 10/9,53 NR Al 50	10	-	→	9.53	3/8
L13001690	LOKring 13/12 NR Al 50	13	1/2	→	12	-
L13001440	LOKring 16/15 NR Al 50	16	5/8	→	15	-
L13003169	LOKring 17/16 NR Al 50	17	-	→	16	5/8
L13001691	LOKring 19/18 NR Al 50	19	3/4	→	18	-

LOKRING: NR MS 50 | Brass reducing connectors



LOKRING brass reducing connectors

For connecting metric to imperial steel or copper tubes.

* Further reducing connectors on request

Article no.	Article name	ø* Tube 1		→	ø* Tube 2	
		[mm inches]	→		[mm inches]	
L13001629	LOKring 9,53/8 NR Ms 50	9.53	3/8	→	8	5/16
L13001396	LOKring 10/9,53 NR Ms 50	10	-	→	9.53	3/8
L13001822	LOKring 12,7/12 NR Ms 50	13	1/2	→	12	-
L13001442	LOKring 16/15 NR Ms 50	16	5/8	→	15	-
L13001823	LOKring 19/18 NR Ms 50	19	3/4	→	18	-

SERVICE AND PRESSURE SWITCH CONNECTIONS

FOR LOW-PRESSURE, HIGH-PRESSURE AND SAFETY

LOKRING: AL LP-NK | Low-pressure connections



LOKRING aluminium low-pressure connections

For the replacement of faulty low-pressure connections or for converting an air-conditioning system from R12 to R134a.

Article no.	Article name	ø [mm inches]	
L13001733	LOKring Al LP-NK10	10	-
L13001427	LOKring Al LP-NK12	12	-
L13001428	LOKring Al LP-NK13	13	1/2
L13001377	LOKring Al LP-NK16	16	5/8
L13001378	LOKring Al LP-NK19	19	3/4

LOKRING: AL HP-NK | High-pressure connections



LOKRING aluminium high-pressure connections

For the replacement of faulty high-pressure connections or for converting an air-conditioning system from R12 to R134a.

Article no.	Article name	ø [mm inches]	
L13001336	LOKring Al HP-NK8	8	5/16
L13001373	LOKring Al HP-NK9,53	9.53	3/8
L13001374	LOKring Al HP-NK10	10	-
L13001375	LOKring Al HP-NK12	12	-
L13001376	LOKring Al HP-NK13	13	1/2

LOKRING: AL SP | Pressure switch connections



LOKRING aluminium pressure switch connections

For replacing faulty pressure switch connections.

Article no.	Article name	ø [mm inches]	
L13002378	LOKring Al SP F1/4-NK9,53	9.53*	3/8
L13002379	LOKring Al SP F1/4-NK13	13*	1/2
L14003301	LOKring Al SP M3/8-NK9,53	9.53**	3/8
L14003302	LOKring Al SP M3/8-NK13	13**	1/2

* Inner thread 7/16-20

** Outer thread 3/8-24

T-JOINTS

FOR CONNECTING AUXILIARY UNITS

LOKRING: NTK AL 50 | Aluminium T-joints



LOKRING aluminium T-joints

For the connection of auxiliary units (e.g. rear air-conditioning systems) with aluminium tubes.

Article no.	Article name	ø [mm inches]	
L13003130	LOKring 9,53 NTK AL 50	9.53	3/8
L13003176	LOKring 10 NTK AL 50	10	-
L13003170	LOKring 16 NTK AL 50	16	5/8

LOKRING: NTK MS 50 | Brass T-joints



LOKRING brass T-joints

For the connection of auxiliary units (e.g. rear air-conditioning systems) with steel or copper tubes.

Article no.	Article name	ø [mm inches]	
L13001192	LOKring 8 NTK Ms 50	8	5/16
L13001193	LOKring 9,53 NTK Ms 50	9.53	3/8
L13001194	LOKring 10 NTK Ms 50	10	-
L13001195	LOKring 12 NTK Ms 50	12	-
L13001698	LOKring 12,7 NTK Ms 50	13	1/2
L13001198	LOKring 16 NTK Ms 50	16	5/8
L13001199	LOKring 19 NTK Ms 50	19	3/4

LOKRING: AL MIO-NK | Union joints with MIO connection



LOKRING aluminium union joints with MIO connection

For the connection of auxiliary units (e.g. rear air-conditioning systems).

Article no.	Article name	ø [mm inches]	
L14003303	LOKring Al MIO06-NK9,53	9.53	3/8
L14003304	LOKring Al MIO08-NK13	13	1/2
L14003305	LOKring Al MIO10-NK16	16	5/8
L14003306	LOKring Al MIO12-NK19	19	3/4

REPAIR SETS FOR ORIFICE TUBES

FOR EVAPORATORS, CONDENSERS AND LIQUID LINES

LOKRING REPAIR SETS FOR ORIFICE TUBES

You can use the following repair sets to repair evaporators, condensers and liquid lines in vehicle air-conditioning systems with orifice tubes.

Just install a new, serviceable orifice tube between the condenser and the evaporator.

TIP: Never replace a condenser, evaporator or tube ever again on account of a blocked orifice tube.

LOKRING: AL OTRK GM M3/4-NK13 | Repair set for orifice tubes



LOKRING aluminium repair set for orifice tubes

Article no.	Article name	ø [mm inches]
L14001066	LOKring AI OTRK GM M3/4-NK13	13 1/2
Connection type		
Outer thread 3/4-16		

LOKRING: AL OTRK IL NK13 | Repair set for orifice tubes



LOKRING aluminium repair set for orifice tubes

Article no.	Article name	ø [mm inches]
L14003307	LOKring AI OTRK IL NK13	13 1/2
Connection type		
LOKring 13 NK AI 50		

LOKRING: AL OTRK SL F08-NK13 | Repair set for orifice tubes



LOKRING aluminium repair set for orifice tubes

Article no.	Article name	ø [mm inches]
L14003308	LOKring AI OTRK SL F08-NK13	13 1/2
Connection type		
Spring-Lock (female) size 08		

REPAIR SETS FOR ORIFICE TUBES

FOR EVAPORATORS, CONDENSERS AND LIQUID LINES

LOKRING: AL OTRK GM M20X1,5-NK13 | Repair set for orifice tubes



LOKRING aluminium repair set for orifice tubes

Article no.	Article name	ø [mm inches]
L14003309	LOKring Al OTRK GM M20x1,5-NK13	13 1/2
Connection type		
Outer thread 20 x 1.5		

LOKRING: AL OTRK GM 90°M20X1,5-NK13 | Repair set for orifice tubes



LOKRING aluminium repair set for orifice tubes

Article no.	Article name	ø [mm inches]
L14003310	LOKring Al OTRK GM 90° M20x1,5-NK13	13 1/2
Connection type		
Outer thread 20 x 1.5		

SPRING-LOCK CONNECTIONS

»FORD TYPE«

LOKRING SPRING-LOCK CONNECTIONS

These connections make the repair of faulty or leaking Spring-Lock connections possible. Instead of exchanging the whole tube, the faulty spot is simply replaced.

O-rings and locking springs are available on request, they are not included in the scope of supply.

LOKRING: AL SL M-NK | Spring-Lock connections



LOKRING aluminium Spring-Lock connections (male)

Article no.	Article name	ø [mm inches]	Spring-Lock size
L14003311	LOKring Al SL M06-NK9,53	9.53 3/8	06
L14003312	LOKring Al SL M08-NK1	13 1/2	08
L14003313	LOKring Al SL M10-NK16	16 5/8	10
L14003314	LOKring Al SL M12-NK16	16 5/8	12
L14003315	LOKring Al SL M12-NK19	19 3/4	12

LOKRING: AL SL F-NK | Spring-Lock connections



LOKRING aluminium Spring-Lock connections
(female)

Article no.	Article name	ø [mm inches]	Spring-Lock size
L14003316	LOKring Al SL F06-NK9,53	9.53 3/8	06
L14003317	LOKring Al SL F08-NK13	13 1/2	08
L14003318	LOKring Al SL F10-NK16	16 5/8	10
L14003319	LOKring Al SL F12-NK16	16 5/8	12
L14003320	LOKring Al SL F12-NK19	19 3/4	12

LOKRING: AL SL 90°M-NK | Spring-Lock connections



LOKRING aluminium Spring-Lock connections with
90° elbow (male)

Article no.	Article name	ø [mm inches]	Spring-Lock size
L14003321	LOKring Al SL 90°M06-NK9,53	9.53 3/8	06
L14003322	LOKring Al SL 90°M08-NK13	13 1/2	08
L14003323	LOKring Al SL 90°M10-NK16	16 5/8	10
L14003324	LOKring Al SL 90°M12-NK16	16 5/8	12
L14003325	LOKring Al SL 90°M12-NK19	19 3/4	12

LOKRING: AL SL 90°F-NK | Spring-Lock connections



LOKRING aluminium Spring-Lock connections with
90° elbow (female)

Article no.	Article name	ø [mm inches]	Spring-Lock size
L14003326	LOKring Al SL 90°F06-NK9,53	9.53 3/8	06
L14003327	LOKring Al SL 90°F08-NK13	13 1/2	08
L14003328	LOKring Al SL 90°F10-NK16	16 5/8	10
L14003329	LOKring Al SL 90°F12-NK16	16 5/8	12
L14003330	LOKring Al SL 90°F12-NK19	19 3/4	12

O-RING REPAIR CONNECTIONS

FOR THE REPLACEMENT OF FAULTY THREADS

LOKRING ALUMINIUM O-RING REPAIR CONNECTIONS

You can use these connections together with LOKRING union joints to replace faulty threads. If you should damage a thread during servicing (e.g. while replacing a condenser), it is no longer necessary to replace the whole tube. You can simply repair this again with the O-ring repair connections. The O-ring repair connections are also extremely useful when you use universal spare parts or the original spare part is no longer available.

LOKRING: AL OR MI | O-ring connections



LOKRING aluminium O-ring repair connections
»Male Insert« with union nut
(outer thread)

Article no.	Article name	Tube outer-ø [mm inches]	Thread connection
L14002595	LOKring Al OR MI06-9,53	9.53 3/8	5/8 - 18
L14002596	LOKring Al OR MI08-13	13 1/2	3/4 - 16
L14002597	LOKring Al OR MI10-16	16 5/8	7/8 - 14
L14002598	LOKring Al OR MI12-19	19 3/4	1 1/16 - 14

LOKRING: AL OR F | O-ring connections



LOKRING aluminium O-ring repair connections
with union nut (inner thread)

Article no.	Article name	Tube outer-ø [mm inches]	Thread connection
L14002599	LOKring Al OR F06-9,53	9.53 3/8	5/8 - 18
L14002600	LOKring Al OR F08-13	13 1/2	3/4 - 16
L14002601	LOKring Al OR F10-16	16 5/8	7/8 - 14
L14002602	LOKring Al OR F12-19	19 3/4	1 1/16 - 14

LOKRING: AL OR M | O-ring connections



LOKRING aluminium O-ring repair connections
with union nut (outer thread)

Article no.	Article name	Tube outer-ø [mm inches]	Thread connection
L14002603	LOKring Al OR M06-9,53	9.53 3/8	5/8 - 18
L14002604	LOKring Al OR M08-13	13 1/2	3/4 - 18
L14002605	LOKring Al OR M10-16	16 5/8	7/8 - 18
L14002606	LOKring Al OR M12-19	19 3/4	1 1/16 - 16

LOKRING: AL OR 90°MI | O-ring connections



LOKRING aluminium O-ring repair connections
»Male Insert« with 90° elbow and union nut
(outer thread)

Article no.	Article name	Tube outer-ø [mm inches]	Thread connection
L14003339	LOKring Al OR 90°MI06-9,53	9.53 3/8	5/8 - 18
L14003340	LOKring Al OR 90°MI08-13	13 1/2	3/4 - 16
L14003341	LOKring Al OR 90°MI10-16	16 5/8	7/8 - 14
L14003342	LOKring Al OR 90°MI12-19	19 3/4	1 1/16 - 14

LOKRING: AL OR 90°F | O-ring connections



LOKRING aluminium O-ring repair connections
with 90° elbow and union nut (inner thread)

Article no.	Article name	Tube outer-ø [mm inches]	Thread connection
L14003335	LOKring Al OR 90°F06-9,53	9.53 3/8	5/8 - 18
L14003336	LOKring Al OR 90°F08-13	13 1/2	3/4 - 16
L14003337	LOKring Al OR 90°F10-16	16 5/8	7/8 - 14
L14003338	LOKring Al OR 90°F12-19	19 3/4	1 1/16 - 14

LOKRING: AL OR 90°M | O-ring connections



LOKRING aluminium O-ring repair connections
with 90° elbow and union nut (outer thread)

Article no.	Article name	Tube outer-ø [mm inches]	Thread connection
L14003331	LOKring Al OR 90°M06-9,53	9.53 3/8	5/8 - 18
L14003332	LOKring Al OR 90°M08-13	13 1/2	3/4 - 18
L14003333	LOKring Al OR 90°M10-16	16 5/8	7/8 - 18
L14003334	LOKring Al OR 90°M12-19	19 3/4	1 1/16 - 16

ACCESSORIES AND TOOLS

FOR THE REPAIR AND REPLICATION OF TUBES

LOKRING: AL TU | Aluminium tube



Article no.	Article name	ø [mm inches]	
L14000898	LOKring Al TU 8	8	5/16
L14000766	LOKring Al TU 9,53	9.53	3/8
L14003343	LOKring Al TU 10	10	-
L14000716	LOKring Al TU 12	12	-

Article no.	Article name	ø [mm inches]	
L14000767	LOKring Al TU 13	13	1/2
L14000765	LOKring Al TU 16	16	5/8
L14000768	LOKring Al TU 19	19	3/4

Every aluminium tube in OEM quality, length: 1 m

LOKRING: AL EB45° | Aluminium elbow



LOKRING aluminium elbow 45°

For replicating aluminium tubes with a 45° elbow.

Article no.	Article name	ø [mm inches]	
L14002231	LOKring Al EB45° 9,53	9.53	3/8
L14002232	LOKring Al EB45° 13	13	1/2
L14002233	LOKring Al EB45° 16	16	5/8

LOKRING: AL EB90° | Aluminium elbow



LOKRING aluminium elbow 90°

For replicating aluminium tubes with a 90° elbow.

Article no.	Article name	ø [mm inches]	
L14002234	LOKring Al EB90° 9,53	9.53	3/8
L14002235	LOKring Al EB90° 13	13	1/2
L14002236	LOKring Al EB90° 16	16	5/8
L14002654	LOKring Al EB90° 19	19	3/4

LOKRING: ST EB45° | Steel elbow



LOKRING steel elbow 45°

For replicating steel or copper tubes with a 45° elbow.

Article no.	Article name	ø [mm inches]	
L14003344	LOKring St EB45° 9,53	9.53	3/8
L14003345	LOKring St EB45° 13	13	1/2
L14003346	LOKring St EB45° 16	16	5/8

LOKRING: ST EB90° | Steel elbow



LOKRING steel elbow 90°

For replicating steel or copper tubes with a 90° elbow.

Article no.	Article name	ø [mm inches]	
L14003347	LOKring St EB90° 9,53	9.53	3/8
L14003348	LOKring St EB90° 13	13	1/2
L14003349	LOKring St EB90° 16	16	5/8

LOKTOOL: RC1125 | Ratchet tube cutter**LOKTOOL ratchet tube cutter**

High-quality ratchet tube cutter for the clean cutting of aluminium, copper and thin-walled steel tubes with an outer diameter of 8 mm to 28.5 mm.

Article no.	Article name	Description
L14002051	LOKtool RC1125	Ratchet tube cutter
L14002075	RCS-1125	Cutting wheel

LOKTOOL: RC375 | Ratchet tube cutter**LOKTOOL ratchet tube cutter**

Extremely compact design ratchet tube cutter for the clean cutting of aluminium, copper and thin-walled steel tubes with an outer diameter of 4 mm to 13 mm.

Article no.	Article name	Description
L14000258	LOKtool RC375	Ratchet tube cutter
L14002063	RCS-375	Cutting wheel

LOKTOOL: LRSZ | Tube cutting pliers**LOKTOOL tube cutting pliers**

For the clean cutting of aluminium, copper and thin-walled steel tubes with an outer diameter of 4 mm to 16 mm. A movement through 120° is sufficient for cutting. Clean, perpendicular cuts are produced.

Article no.	Article name	Description
L14000166	LOKtool LRSZ	Tube cutting pliers

LOKTOOL: GRATFIX N-E | Tube deburrer**LOKTOOL tube deburrer**

For the quick and clean deburring of tubes, edges and steel plates.

Article no.	Article name	Description
L14001362	LOKtool Gratfix N-E	Tube deburrer
L14001363	N-E100	Universal replacement blade

LOKCLIP

THE BEST SYSTEM FOR HOSE CONNECTIONS



JUST STAY FLEXIBLE

LOKCLIP technology is the perfect supplement to the LOKRING system. It is the easy and cost-effective alternative for repairs to both hoses and tubes in vehicle air-conditioning systems. Thanks to the handy tool, you can set up the connection required easily even within the engine compartment. The large number of fittings provided enable repairs to be carried out to almost any refrigerant line. The LOKCLIP meets the international SAE J2064 standard.


IMPORTANT: Use the refrigerant hose LOKCLIP RH-R134a R from our range with the LOKCLIP system. This high-quality hose was especially developed for use with the LOKCLIP technology. We guarantee 100% quality and air-tightness when this refrigerant hose is used. We cannot accept liability for products from other manufacturers.

LOKCLIP: HOSE CONNECTION TECHNOLOGY FOR SERVICING | P. 036



JUST STAY FLEXIBLE

The comprehensive LOKCLIP system guarantees you plenty of freedom of action during all repair and installation situations in vehicle air-conditioning systems.

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ASSEMBLY TOOLS

ALL YOU NEED FOR LOKCLIP ASSEMBLY

LOKTOOL: LC FLEX | Hand assembly tool



LOKTOOL hand assembly tool

This extremely handy tool makes LOKCLIP connections even easier to set up. It can even reach those difficult to access spots in the engine compartment.

Article no.	Article name	Description
L14003352	LOKtool LC flex	Hand assembly tool

LOKTOOL: MZ | Hand assembly tool



LOKTOOL hand assembly tool*

The classic model. Our patented hand assembly tools were developed especially for LOKRING assembly. You only need one tool, because the assembly jaws can be exchanged quickly and easily.

Article no.	Article name	Description
L13002095	LOKtool MZ	Hand assembly tool

* Supplied without assembly jaws

LOKTOOL: MZ-V | Hand assembly tool



LOKTOOL hand assembly tool*

The flexible model. The MZ-V was developed for use in areas that are difficult to access. Since the handles are offset on both sides, the MZ-V is also suitable for flexible use during work in the engine compartment.

Article no.	Article name	Description
L13002811	LOKtool MZ-V	Hand assembly tool

* Supplied without assembly jaws

LOKTOOL: MB LC | Assembly jaw



LOKTOOL assembly jaw* for LOKCLIP

Especially developed for the hand assembly tools LOKTOOL MZ and MZ-V. Those who already work with LOKRING only need an additional pair of assembly jaws to set up tube and hose connections with the same assembly tool.

Article no.	Article name	Description
L20000735	LOKtool MB LC	Assembly jaw

* For assembly it is necessary to use two assembly jaws.
The unit is one piece.

LOKRING CONNECTIONS

HOSE-TO-TUBE

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: AL NK | Aluminium LOKRING connections



LOKCLIP aluminium LOKRING connections

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13003869	LOKclip Al NK9,53-06	9.53 3/8	06 (8 mm)
L13003870	LOKclip Al NK13-08	13 1/2	08 (10 mm)
L13003871	LOKclip Al NK16-10	16 5/8	10 (13 mm)
L13003872	LOKclip Al NK19-12	19 3/4	12 (16 mm)

LOKCLIP: ST NK | Steel LOKRING connections



LOKCLIP steel LOKRING connections

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13003913	LOKclip St NK9,53-06	9.53 3/8	06 (8 mm)
L13003914	LOKclip St NK13-08	13 1/2	08 (10 mm)
L13003915	LOKclip St NK16-10	16 5/8	10 (13 mm)
L13003916	LOKclip St NK19-12	19 3/4	12 (16 mm)

LOKCLIP: AL | Aluminium tube connections



LOKCLIP aluminium tube connections

Can be used with LOKRING aluminium reducing connectors.

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13004400	LOKclip Al 9,53-06	9.53 3/8	06 (8 mm)
L13004401	LOKclip Al 13-08	13 1/2	08 (10 mm)
L13004402	LOKclip Al 16-10	16 5/8	10 (13 mm)
L13004403	LOKclip Al 19-12	19 3/4	12 (16 mm)

LOKCLIP: ST | Steel tube connections



LOKCLIP steel tube connections

Can be used with LOKRING brass reducing connectors.

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13004404	LOKclip St 9,53-06	9.53 3/8	06 (8 mm)
L13004405	LOKclip St 13-08	13 1/2	08 (10 mm)
L13004406	LOKclip St 16-10	16 5/8	10 (13 mm)
L13004407	LOKclip St 19-12	19 3/4	12 (16 mm)

SAE 45° SEALING HEAD CONNECTIONS

STRAIGHT, 45° AND 90° ELBOWS

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST SAE45° F | SAE 45° sealing head connections



LOKCLIP steel SAE 45° sealing head connections (inner thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004416	LOKclip St SAE45° F06-06	5/8 - 18	06 (8 mm)
L13004417	LOKclip St SAE45° F08-08	3/4 - 16	08 (10 mm)
L13004418	LOKclip St SAE45° F10-10	7/8 - 14	10 (13 mm)
L13004419	LOKclip St SAE45° F12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST SAE45° 45°F | SAE 45° sealing head connections



LOKCLIP steel SAE 45° sealing head connections (inner thread) with 45° elbow

Article no.	Article name	Thread connection	Hose inner-ø
L13004420	LOKclip St SAE45° 45° F06-06	5/8 - 18	06 (8 mm)
L13004421	LOKclip St SAE45° 45° F08-08	3/4 - 16	08 (10 mm)
L13004422	LOKclip St SAE45° 45° F10-10	7/8 - 14	10 (13 mm)
L13004423	LOKclip St SAE45° 45° F12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST SAE45° 90°F | SAE 45° sealing head connections



LOKCLIP steel SAE 45° sealing head connections (inner thread) with 90° elbow

Article no.	Article name	Thread connection	Hose inner-ø
L13004424	LOKclip St SAE45° 90° F06-06	5/8 - 18	06 (8 mm)
L13004425	LOKclip St SAE45° 90° F08-08	3/4 - 16	08 (10 mm)
L13004426	LOKclip St SAE45° 90° F10-10	7/8 - 14	10 (13 mm)
L13004427	LOKclip St SAE45° 90° F12-12	1 1/16 - 14	12 (16 mm)

O-RING CONNECTIONS

O-RING CONNECTIONS

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST OR | O-ring connections



LOKCLIP steel O-ring connections

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13004477	LOKclip St OR 06-06	9.53 3/8	06 (8 mm)
L13004478	LOKclip St OR 08-08	13 1/2	08 (10 mm)
L13004479	LOKclip St OR 10-10	16 5/8	10 (13 mm)
L13004480	LOKclip St OR 12-12	19 3/4	12 (16 mm)

LOKCLIP: ST OR 45° | O-ring connections



LOKCLIP steel O-ring connections
with 45° elbow

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13004481	LOKclip St OR 45°06-06	9.53 3/8	06 (8 mm)
L13004482	LOKclip St OR 45°08-08	13 1/2	08 (10 mm)
L13004483	LOKclip St OR 45°10-10	16 5/8	10 (13 mm)
L13004484	LOKclip St OR 45°12-12	19 3/4	12 (16 mm)

LOKCLIP: ST OR 90° | O-ring connections



LOKCLIP steel O-ring connections
with 90° elbow

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13004485	LOKclip St OR 90°06-06	9.53 3/8	06 (8 mm)
L13004486	LOKclip St OR 90°08-08	13 1/2	08 (10 mm)
L13004487	LOKclip St OR 90°10-10	16 5/8	10 (13 mm)
L13004488	LOKclip St OR 90°12-12	19 3/4	12 (16 mm)

O-RING CONNECTIONS

WITH UNION NUT

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST OR F | O-ring connections



LOKCLIP steel O-ring connections with union nut (inner thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004428	LOKclip St OR F06-06	5/8 - 18	06 (8 mm)
L13004429	LOKclip St OR F08-06	3/4 - 16	06 (8 mm)
L13004430	LOKclip St OR F08-08	3/4 - 16	08 (10 mm)
L13004431	LOKclip St OR F10-10	7/8 - 14	10 (13 mm)
L13004432	LOKclip St OR F10-12	7/8 - 14	12 (16 mm)
L13004433	LOKclip St OR F12-10	1 1/16 - 14	10 (13 mm)
L13004434	LOKclip St OR F12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR 45°F | O-ring connections



LOKCLIP steel O-ring connections with 45° elbow and union nut (inner thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004435	LOKclip St OR 45°F06-06	5/8 - 18	06 (8 mm)
L13004437	LOKclip St OR 45°F08-08	3/4 - 16	08 (10 mm)
L13004438	LOKclip St OR 45°F10-10	7/8 - 14	10 (13 mm)
L13004439	LOKclip St OR 45°F10-12	7/8 - 14	12 (16 mm)
L13004440	LOKclip St OR 45°F12-10	1 1/16 - 14	10 (13 mm)
L13004441	LOKclip St OR 45°F12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR 90°F | O-ring connections



LOKCLIP steel O-ring connections with 90° elbow and union nut (inner thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004442	LOKclip St OR 90°F06-06	5/8 - 18	06 (8 mm)
L13004443	LOKclip St OR 90°F08-06	3/4 - 16	06 (8 mm)
L13004444	LOKclip St OR 90°F08-08	3/4 - 16	08 (10 mm)
L13004445	LOKclip St OR 90°F10-10	7/8 - 14	10 (13 mm)
L13004446	LOKclip St OR 90°F10-12	7/8 - 14	12 (16 mm)
L13004447	LOKclip St OR 90°F12-10	1 1/16 - 14	10 (13 mm)
L13004448	LOKclip St OR 90°F12-12	1 1/16 - 14	12 (16 mm)

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST OR 180°F | O-ring connections



LOKCLIP steel O-ring connections with 180° elbow and union nut (inner thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004489	LOKclip St OR 180°F06-06	5/8 - 18	06 (8 mm)
L13004490	LOKclip St OR 180°F08-08	3/4 - 16	08 (10 mm)
L13004491	LOKclip St OR 180°F10-10	7/8 - 14	10 (13 mm)
L13004492	LOKclip St OR 180°F12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR F-HP | O-ring connections



LOKCLIP steel O-ring connections with service port and union nut (inner thread)

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004449	LOKclip St OR F06-06-HP*	5/8 - 18	06 (8 mm)
L13004450	LOKclip St OR F08-08-HP*	3/4 - 16	08 (10 mm)
L13004451	LOKclip St OR F10-10-LP**	7/8 - 14	10 (13 mm)
L13004452	LOKclip St OR F12-12-LP**	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR 45°F-HP | O-ring connections



LOKCLIP steel O-ring connections with service port, 45° elbow and union nut (inner thread)

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004453	LOKclip St OR 45°F06-06-HP*	5/8 - 18	06 (8 mm)
L13004454	LOKclip St OR 45°F08-08-HP*	3/4 - 16	08 (10 mm)
L13004455	LOKclip St OR 45°F10-10-LP**	7/8 - 14	10 (13 mm)
L13004456	LOKclip St OR 45°F12-12-LP**	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR 90°F-HP | O-ring connections



LOKCLIP steel O-ring connections with service port, 90° elbow and union nut (inner thread)

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004457	LOKclip St OR 90°F06-06-HP*	5/8 - 18	06 (8 mm)
L13004458	LOKclip St OR 90°F08-08-HP*	3/4 - 16	08 (10 mm)
L13004459	LOKclip St OR 90°F10-10-LP**	7/8 - 14	10 (13 mm)
L13004460	LOKclip St OR 90°F12-12-LP**	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR MS | O-ring connections



LOKCLIP steel O-ring connections with union nut (outer thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004461	LOKclip St OR MS06-06	5/8 - 18	06 (8 mm)
L13004462	LOKclip St OR MS08-08	3/4 - 18	08 (10 mm)
L13004463	LOKclip St OR MS10-10	7/8 - 18	10 (13 mm)
L13004464	LOKclip St OR MS12-12	1 1/16 - 16	12 (16 mm)

O-RING CONNECTIONS

WITH UNION NUT

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST OR 45°MS | O-ring connections



LOKCLIP steel O-ring connections with 45° elbow and union nut (outer thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004465	LOKclip St OR 45°MS06-06	5/8 - 18	06 (8 mm)
L13004466	LOKclip St OR 45°MS08-08	3/4 - 18	08 (10 mm)
L13004467	LOKclip St OR 45°MS10-10	7/8 - 18	10 (13 mm)
L13004468	LOKclip St OR 45°MS12-12	1 1/16 - 16	12 (16 mm)

LOKCLIP: ST OR 90°MS | O-ring connections



LOKCLIP steel O-ring connections with 90° elbow and union nut (outer thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004469	LOKclip St OR 90°MS06-06	5/8 - 18	06 (8 mm)
L13004470	LOKclip St OR 90°MS08-08	3/4 - 18	08 (10 mm)
L13004471	LOKclip St OR 90°MS10-10	7/8 - 18	10 (13 mm)
L13004472	LOKclip St OR 90°MS12-12	1 1/16 - 16	12 (16 mm)

LOKCLIP: ST OR MI | O-ring connections



LOKCLIP steel O-ring connections
»Male Insert«

Article no.	Article name	Thread connection	Hose inner-ø
L13004493	LOKclip St OR MI06-06	5/8 - 18	06 (8 mm)
L13004494	LOKclip St OR MI08-08	3/4 - 16	08 (10 mm)
L13004495	LOKclip St OR MI10-10	7/8 - 14	10 (13 mm)
L13004496	LOKclip St OR MI12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR 45°MI | O-ring connections



LOKCLIP steel O-ring connections
»Male Insert« with 45° elbow

Article no.	Article name	Thread connection	Hose inner-ø
L13004497	LOKclip St OR 45°MI06-06	5/8 - 18	06 (8 mm)
L13004498	LOKclip St OR 45°MI08-08	3/4 - 16	08 (10 mm)
L13004499	LOKclip St OR 45°MI10-10	7/8 - 14	10 (13 mm)
L13004500	LOKclip St OR 45°MI12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST OR 90°MI | O-ring connections



LOKCLIP steel O-ring connections
»Male Insert« with 90° elbow

Article no.	Article name	Thread connection	Hose inner-ø
L13004501	LOKclip St OR 90°MI06-06	5/8 - 18	06 (8 mm)
L13004502	LOKclip St OR 90°MI08-08	3/4 - 16	08 (10 mm)
L13004503	LOKclip St OR 90°MI10-10	7/8 - 14	10 (13 mm)
L13004504	LOKclip St OR 90°MI12-12	1 1/16 - 14	12 (16 mm)

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST ORBH MI | O-ring connections



LOKCLIP steel O-ring connections
»Male Insert« with bulkhead union

Article no.	Article name	Thread connection	Hose inner-ø
L13004513	LOKclip St ORBH MI06-06	5/8 - 18	06 (8 mm)
L13004514	LOKclip St ORBH MI08-08	3/4 - 16	08 (10 mm)
L13004515	LOKclip St ORBH MI10-10	7/8 - 14	10 (13 mm)
L13004516	LOKclip St ORBH MI12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST ORBH 45°MI | O-ring connections



LOKCLIP steel O-ring connections
»Male Insert« with 45° elbow and bulkhead union

Article no.	Article name	Thread connection	Hose inner-ø
L13004517	LOKclip St ORBH 45°MI06-06	5/8 - 18	06 (8 mm)
L13004518	LOKclip St ORBH 45°MI08-08	3/4 - 16	08 (10 mm)
L13004519	LOKclip St ORBH 45°MI10-10	7/8 - 14	10 (13 mm)
L13004520	LOKclip St ORBH 45°MI12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST ORBH 90°MI | O-ring connections



LOKCLIP steel O-ring connections
»Male Insert« with 90° elbow and bulkhead union

Article no.	Article name	Thread connection	Hose inner-ø
L13004521	LOKclip St ORBH 90°MI06-06	5/8 - 18	06 (8 mm)
L13004522	LOKclip St ORBH 90°MI08-08	3/4 - 16	08 (10 mm)
L13004523	LOKclip St ORBH 90°MI10-10	7/8 - 14	10 (13 mm)
L13004524	LOKclip St ORBH 90°MI12-12	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST ORBT 90°F | O-ring connections



LOKCLIP steel O-ring connections 90°
block type with union nut (inner thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004505	LOKclip St ORBT 90°F06-06	5/8 - 18	06 (8 mm)
L13004506	LOKclip St ORBT 90°F08-08	3/4 - 16	08 (10 mm)
L13004507	LOKclip St ORBT 90°F10-10	7/8 - 14	10 (13 mm)
L13004508	LOKclip St ORBT 90°F12-12	1 1/16 - 14	12 (16 mm)

O-RING CONNECTIONS AND ORFS CONNECTIONS WITH UNION NUT

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST ORBT 90°F-HP | O-ring connections



LOKCLIP steel O-ring connections 90°
block type with service port and union nut
(inner thread)

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004509	LOKclip St ORBT 90°F06-06-HP*	5/8 - 18	06 (8 mm)
L13004510	LOKclip St ORBT 90°F08-08-HP*	3/4 - 16	08 (10 mm)
L13004511	LOKclip St ORBT 90°F10-10-LP**	7/8 - 14	10 (13 mm)
L13004512	LOKclip St ORBT 90°F12-12-LP**	1 1/16 - 14	12 (16 mm)

LOKCLIP: ST ORFS MS | ORFS connections



LOKCLIP steel ORFS connections with union
nut (outer thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004526	LOKclip St ORFS MS06-06	11/16 - 16	06 (8 mm)
L13004527	LOKclip St ORFS MS08-08	13/16 - 16	08 (10 mm)
L13004528	LOKclip St ORFS MS10-10	1 - 14	10 (13 mm)
L13004529	LOKclip St ORFS MS12-12	1 3/16 - 12	12 (16 mm)

LOKCLIP: ST ORFS 45°MS | ORFS connections



LOKCLIP steel ORFS connections with 45°
elbow and union nut (outer thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004531	LOKclip St ORFS 45°MS06-06	11/16 - 16	06 (8 mm)
L13004532	LOKclip St ORFS 45°MS08-08	13/16 - 16	08 (10 mm)
L13004533	LOKclip St ORFS 45°MS10-10	1 - 14	10 (13 mm)
L13004534	LOKclip St ORFS 45°MS12-12	1 3/16 - 12	12 (16 mm)

LOKCLIP: ST ORFS 90°MS | ORFS connections



LOKCLIP steel ORFS connections with 90°
elbow and union nut (outer thread)

Article no.	Article name	Thread connection	Hose inner-ø
L13004536	LOKclip St ORFS 90°MS06-06	11/16 - 16	06 (8 mm)
L13004537	LOKclip St ORFS 90°MS08-08	13/16 - 16	08 (10 mm)
L13004538	LOKclip St ORFS 90°MS10-10	1 - 14	10 (13 mm)
L13004539	LOKclip St ORFS 90°MS12-12	1 3/16 - 12	12 (16 mm)

COMPRESSOR CONNECTIONS

»TUBE O«

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST CF F10 | Compressor connections »Tube O«



LOKCLIP steel compressor connections
»Tube O«

Article no.	Article name	Thread connection	Hose inner-ø
L13004540	LOKclip St CF F10-08	1 - 14	08 (10 mm)
L13004541	LOKclip St CF F10-10	1 - 14	10 (13 mm)
L13004542	LOKclip St CF F10-12	1 - 14	12 (16 mm)

LOKCLIP: ST CF 45°F10 | Compressor connections »Tube O«



LOKCLIP steel compressor connections
»Tube O« with 45° elbow

Article no.	Article name	Thread connection	Hose inner-ø
L13004543	LOKclip St CF 45°F10-08	1 - 14	08 (10 mm)
L13004544	LOKclip St CF 45°F10-10	1 - 14	10 (13 mm)
L13004545	LOKclip St CF 45°F10-12	1 - 14	12 (16 mm)

LOKCLIP: ST CF 90°F10 | Compressor connections »Tube O«



LOKCLIP steel compressor connections
»Tube O« with 90° block type

Article no.	Article name	Thread connection	Hose inner-ø
L13004546	LOKclip St CF 90°F10-08	1 - 14	08 (10 mm)
L13004547	LOKclip St CF 90°F10-10	1 - 14	10 (13 mm)
L13004548	LOKclip St CF 90°F10-12	1 - 14	12 (16 mm)

LOKCLIP: ST CF F10-HP | Compressor connections »Tube O«



LOKCLIP steel compressor connections
»Tube O« with service port

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004549	LOKclip St CF F10-08-HP*	1 - 14	08 (10 mm)
L13004550	LOKclip St CF F10-10-LP**	1 - 14	10 (13 mm)
L13004551	LOKclip St CF F10-12-LP**	1 - 14	12 (16 mm)

LOKCLIP: ST CF 45°F10-HP | Compressor connections »Tube O«



LOKCLIP steel compressor connections
»Tube O« with 45° elbow and service port

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004552	LOKclip St CF 45°F10-08-HP*	1 - 14	08 (10 mm)
L13004553	LOKclip St CF 45°F10-10-LP**	1 - 14	10 (13 mm)
L13004554	LOKclip St CF 45°F10-12-LP**	1 - 14	12 (16 mm)

COMPRESSOR CONNECTIONS »TUBE O«

AND QUICK-DISCONNECT CONNECTIONS

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: ST CF 90°F10-HP | Compressor connections »Tube O«



LOKCLIP steel compressor connections
»Tube O« with 90° block type and service port

* High pressure
** Low pressure

Article no.	Article name	Thread connection	Hose inner-ø
L13004555	LOKclip St CF 90°F10-08-HP*	1 - 14	08 (10 mm)
L13004556	LOKclip St CF 90°F10-10-LP**	1 - 14	10 (13 mm)
L13004557	LOKclip St CF 90°F10-12-LP**	1 - 14	12 (16 mm)

LOKCLIP: ST QD | Quick-disconnect connections



LOKCLIP steel quick-disconnect connections

Article no.	Article name	Thread connection	Hose inner-ø
L13004558	LOKclip St QD 08-06	7/8 - 20	06 (8 mm)
L13004559	LOKclip St QD 12-10	1 1/4 - 18	10 (13 mm)

SPLICERS

HOSE-TO-HOSE CONNECTIONS

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: SPLICER | Splicers



LOKCLIP Splicer

For connecting hoses with identical inner diameters.

Article no.	Article name	Hose inner-ø
L13004219	LOKclip Splicer 06-06	06 (8 mm)
L13004220	LOKclip Splicer 08-08	08 (10 mm)
L13004221	LOKclip Splicer 10-10	10 (13 mm)
L13004222	LOKclip Splicer 12-12	12 (16 mm)

LOKCLIP: SPLICER 90° | Splicers



LOKCLIP splicer with 90° elbow

For connecting hoses with identical inner diameters.

Article no.	Article name	Hose inner-ø
L13004560	LOKclip Splicer 90° 06-06	06 (8 mm)
L13004561	LOKclip Splicer 90° 08-08	08 (10 mm)
L13004562	LOKclip Splicer 90° 10-10	10 (13 mm)
L13004563	LOKclip Splicer 90° 12-12	12 (16 mm)

LOKCLIPs are supplied including all the necessary plastic clip holders and stainless steel clips.

LOKCLIP: SPLICER HP | Splicers



LOKCLIP splicer with service port

For the integration of filling ports in hoses.

- * High pressure
- ** Low pressure

Article no.	Article name	Hose inner-ø
L13004564	LOKclip Splicer 06-06-HP*	06 (8 mm)
L13004565	LOKclip Splicer 08-08-HP*	08 (10 mm)
L13004566	LOKclip Splicer 10-10-LP**	10 (13 mm)
L13004567	LOKclip Splicer 12-12-LP**	12 (16 mm)

LOKCLIP: SPLICER T | Splicers



LOKCLIP T-splicer

For the connection of auxiliary units (e.g. rear air-conditioning systems) with hoses.

Article no.	Article name	Hose inner-ø ①	Hose inner-ø ②	Hose inner-ø ③
L13004568	LOKclip Splicer T 06-06-06	06 (8 mm)	06 (8 mm)	06 (8 mm)
L13004570	LOKclip Splicer T 08-08-08	08 (10 mm)	08 (10 mm)	08 (10 mm)
L13004573	LOKclip Splicer T 10-10-10	10 (13 mm)	10 (13 mm)	10 (13 mm)
L13004576	LOKclip Splicer T 12-12-12	12 (16 mm)	12 (16 mm)	12 (16 mm)

ACCESSORIES

REPAIR AND REPLICATION OF HOSES

LOKCLIP: PCH | Plastic clip holders



LOKCLIP plastic clip holder

Article no.	Article name	Hose inner-ø
L14002808	LOKclip PCH 06	06 (8 mm)
L14002809	LOKclip PCH 08	08 (10 mm)
L14002810	LOKclip PCH 10	10 (13 mm)
L14002811	LOKclip PCH 12	12 (16 mm)

LOKCLIP: SSC | Stainless steel clips



LOKCLIP stainless steel clips

Article no.	Article name	Hose inner-ø
L14002804	LOKclip SSC 06	06 (8 mm)
L14002805	LOKclip SSC 08	08 (10 mm)
L14002806	LOKclip SSC 10	10 (13 mm)
L14002807	LOKclip SSC 12	12 (16 mm)

LOKCLIP: O-RING | O-rings



LOKCLIP O-rings

Article no.	Article name	External diameter	Material thickness
L14003399	LOKclip O-Ring 06	7.65 mm	1.78 mm
L14003400	LOKclip O-Ring 08	10.82 mm	1.78 mm
L14003401	LOKclip O-Ring 10	14.00 mm	1.78 mm
L14003402	LOKclip O-Ring 12	17.17 mm	1.78 mm

LOKCLIP: RH R134A R | Reduced barrier refrigerant hose



LOKCLIP reduced barrier refrigerant hose

This extremely high-quality refrigerant hose reduces refrigerant loss by up to 74 %.

IMPORTANT: The hose was especially developed for LOKCLIP technology. We guarantee 100% quality and air-tightness when this refrigerant hose is used. We cannot accept liability for products from other manufacturers.

Article no.	Article name	Inner-ø [mm]	Outer-ø [mm]	Bursting pressure	Operating pressure	Bending radius	Temperature range
L14002664	LOKclip RH R134a R06	7.90 – 8.60	14.20 – 15.20	172 bar	34.50 bar	25 mm	-40°C – 135°C
L14002665	LOKclip RH R134a R08	10.20 – 11.20	16.80 – 17.80	172 bar	34.50 bar	38 mm	-40°C – 135°C
L14002666	LOKclip RH R134a R10	12.50 – 13.50	18.90 – 19.90	121 bar	34.50 bar	51 mm	-40°C – 135°C
L14002667	LOKclip RH R134a R12	15.60 – 16.50	23.10 – 24.10	121 bar	34.50 bar	76 mm	-40°C – 135°C

LOKTOOL: HC 6.12 | Hose cutter



LOKTOOL hose cutter

High-quality hose cutter for cutting through refrigerant hoses. Suitable for all common hose diameters in vehicle air-conditioning systems. Not suitable for film tubes.

Article no.	Article name	Description
L14000672	LOKtool HC 6.12	hose cutter

HOSELOK

THE CLASSICAL SOLUTION FOR HOSE-TO-TUBE REPAIRS



PUT TOGETHER WHAT BELONGS TOGETHER

The HOSELOK system allows you to set up hose connections that correspond to the original crimping quickly and at low cost. This makes HOSELOK a realistically priced alternative to the expensive original spare part.

Thanks to the adaptability to the LOKRING connection, you can repair both hoses and tubes.

TOOLS AND ACCESSORIES

ALL YOU NEED FOR HOSELOK ASSEMBLY

LOKTOOL: HL 250.C | Crimping tool



LOKTOOL crimping tool

High-quality and sturdy tool for crimping HOSELOK connections.

Scope of supply

- ④ Crimping tool with hydraulic pump
- ④ 6 crimping dies for standard hose sizes and reduced barrier refrigerant hoses
- ④ Oil for maintenance of the crimping dies
- ④ Plastic calliper for determining hose diameter

Article no.	Article name	Description
L14000652	LOKtool HL 250.C	crimping tool

LOKTOOL: HC 6.12 | Hose cutter



LOKTOOL hose cutter

High-quality hose cutter for cutting through refrigerant hoses. Suitable for all common hose diameters in vehicle air-conditioning systems. Not suitable for film tubes.

Article no.	Article name	Description
L14000672	LOKtool HC 6.12	hose cutter

HOSELOK: RH R134A | Standard barrier refrigerant hose



HOSELOK standard barrier refrigerant hose

This refrigerant hose for R134a air-conditioning systems corresponds to the highest quality and safety requirements. The small bending radius means there are no routing problems even under tight installation conditions.

Article no.	Article name	Inner-ø [mm]	Outer-ø [mm]	Bursting pressure	Operating pressure	Bending radius	Temperature range
L14000684	RH R134a 06	7.80 – 8.40	18.10 – 18.90	137 bar	34.00 bar	61 mm	-35 °C – 125 °C
L14000685	RH R134a 08	10.20 – 10.80	21.80 – 22.60	137 bar	34.00 bar	70 mm	-35 °C – 125 °C
L14000686	RH R134a 10	12.70 – 13.30	24.40 – 25.20	137 bar	34.00 bar	76 mm	-35 °C – 125 °C
L14000687	RH R134a 12	15.80 – 16.40	27.70 – 28.50	137 bar	34.00 bar	81 mm	-35 °C – 125 °C

HOSELOK: RH R134A R | Reduced barrier refrigerant hose



HOSELOK reduced barrier refrigerant hose

High-quality refrigerant hose with very thin outer diameter for R134a air-conditioning systems.

Article no.	Article name	Inner-ø [mm]	Outer-ø [mm]	Bursting pressure	Operating pressure	Bending radius	Temperature range
L14002664	RH R134a R06	7.90 – 8.60	14.20 – 15.20	172 bar	34.50 bar	25 mm	-40 °C – 135 °C
L14002665	RH R134a R08	10.20 – 11.20	16.80 – 17.80	172 bar	34.50 bar	38 mm	-40 °C – 135 °C
L14002666	RH R134a R10	12.50 – 13.50	18.90 – 19.90	121 bar	34.50 bar	51 mm	-40 °C – 135 °C
L14002667	RH R134a R12	15.60 – 16.50	23.10 – 24.10	121 bar	34.50 bar	76 mm	-40 °C – 135 °C

HOSELOK CONNECTIONS

FOR HOSELOK STANDARD BARRIER REFRIGERANT HOSES

HOSELOK: AL | Tube connections



HOSELOK aluminium tube connections for
HOSELOK standard barrier hose

Can be used with LOKRING aluminium reducing
connectors.

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14000751	HoseLOK AI 9,53-06	9.53 3/8	06 (8 mm)
L14000872	HoseLOK AI 13-08	13 1/2	08 (10 mm)
L14000879	HoseLOK AI 16-10	16 5/8	10 (13 mm)
L14000873	HoseLOK AI 19-12	19 3/4	12 (16 mm)

HOSELOK: AL NK | LOKRING connections



HOSELOK aluminium LOKRING connections
for HOSELOK standard barrier hose

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L13001321	HoseLOK AI NK9,53-06	9.53 3/8	06 (8 mm)
L13001601	HoseLOK AI NK10-06	10 -	06 (8 mm)
L13001602	HoseLOK AI NK12-08	12 -	08 (10 mm)
L13001320	HoseLOK AI NK13-08	13 1/2	08 (10 mm)
L13002344	HoseLOK AI NK14-10	14 -	10 (13 mm)
L13002345	HoseLOK AI NK15-10	15 -	10 (13 mm)
L13001319	HoseLOK AI NK16-10	16 5/8	10 (13 mm)
L13001318	HoseLOK AI NK19-12	19 3/4	12 (16 mm)

HOSELOK: AL 45°NK | LOKRING connections



HOSELOK aluminium LOKRING connections
with 45° elbow for HOSELOK standard barrier
hose

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14003358	HoseLOK AI 45°NK9,53-06	9.53 3/8	06 (8 mm)
L14003359	HoseLOK AI 45°NK13-08	13 1/2	08 (10 mm)
L14003360	HoseLOK AI 45°NK16-10	16 5/8	10 (13 mm)
L14003361	HoseLOK AI 45°NK19-12	19 3/4	12 (16 mm)

HOSELOK: AL 90°NK | LOKRING connections



HOSELOK aluminium LOKRING connections
with 90° elbow for HOSELOK standard barrier
hose

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14003366	HoseLOK AI 90°NK9,53-06	9.53 3/8	06 (8 mm)
L14003367	HoseLOK AI 90°NK13-08	13 1/2	08 (10 mm)
L14003368	HoseLOK AI 90°NK16-10	16 5/8	10 (13 mm)
L14003369	HoseLOK AI 90°NK19-12	19 3/4	12 (16 mm)

HOSELOK CONNECTIONS

FOR HOSELOK REDUCED BARRIER REFRIGERANT HOSES

HOSELOK: AL R | Tube connections



HOSELOK aluminium tube connections for reduced barrier hose

Can be used with LOKRING aluminium reducing connectors.

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14002656	HoseLOK AI 9,53-R06	9.53 3/8	06 (8 mm)
L14002657	HoseLOK AI 13-R08	13 1/2	08 (10 mm)
L14002658	HoseLOK AI 16-R10	16 5/8	10 (13 mm)
L14002659	HoseLOK AI 19-R12	19 3/4	12 (16 mm)

HOSELOK: AL NK-R | LOKRING connections



HOSELOK aluminium LOKRING connections for reduced barrier hose

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14002660	HoseLOK AI NK9,53-R06	9.53 3/8	06 (8 mm)
L14003354	HoseLOK AI NK10-R06	10 -	06 (8 mm)
L14003355	HoseLOK AI NK12-R08	12 -	08 (10 mm)
L14002661	HoseLOK AI NK13-R08	13 1/2	08 (10 mm)
L14003356	HoseLOK AI NK14-R10	14 -	10 (13 mm)
L14003357	HoseLOK AI NK15-R10	15 -	10 (13 mm)
L14002662	HoseLOK AI NK16-R10	16 5/8	10 (13 mm)
L14002663	HoseLOK AI NK19-R12	19 3/4	12 (16 mm)

HOSELOK: AL 45°NK-R | LOKRING connections



HOSELOK aluminium LOKRING connections with 45° elbow for reduced barrier hose

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14003362	HoseLOK AI 45°NK9,53-R06	9.53 3/8	06 (8 mm)
L14003363	HoseLOK AI 45°NK13-R08	13 1/2	08 (10 mm)
L14003364	HoseLOK AI 45°NK16-R10	16 5/8	10 (13 mm)
L14003365	HoseLOK AI 45°NK19-R12	19 3/4	12 (16 mm)

HOSELOK: AL 90°NK-R | LOKRING connections



HOSELOK aluminium LOKRING connections with 90° elbow for reduced barrier hose

Article no.	Article name	Tube outer-ø [mm inches]	Hose inner-ø
L14003370	HoseLOK AI 90°NK9,53-R06	9.53 3/8	06 (8 mm)
L14003371	HoseLOK AI 90°NK13-R08	13 1/2	08 (10 mm)
L14003372	HoseLOK AI 90°NK16-R10	16 5/8	10 (13 mm)
L14003373	HoseLOK AI 90°NK19-R12	19 3/4	12 (16 mm)

SPEEDMAXX

INTRODUCING: YOUR FIRST FULLY AUTOMATIC COLLEAGUE





THE BONUS FOR YOUR TURNOVER

The air-conditioning market is booming. There's hardly a new vehicle delivered without air conditioning these days. This means lucrative additional business for garages. With such a lot of products on the market, it's important to keep everything in view.

VULKAN LOKRING has selected products for you that will make your work easier, and are tailor-made to the requirements of a modern garage.

SPEEDMAXX

PRECISE. RELIABLE. ROBUST.



SPEEDMAXX 3

TECHNICAL DATA

THE FULLY AUTOMATIC AIR-CONDITIONING UNIT SPEEDMAXX 3

provides absolute reliability and top »Made in Germany« quality at an astonishing value-for-money price.

Fully automatic processes are always a »must« for day-to-day work in modern garages. Thanks to its unique operating concept, which guides you quickly and easily through the intelligent menu using only 3 keys and a large display, you also save time and

money. The excellent garage suitability is underlined by the compact and sturdy steel housing. Innovations such as the patented, airtight storage of fresh oil and UV dye make all processes safe and thorough. For these reasons, leading vehicle manufacturers recommend their garages to use the air-conditioning service unit SPEEDMAXX 3.

SPEEDMAXX: 3 | Air-conditioning service unit



SPEEDMAXX 3 air-conditioning service unit

Features

- Updateable database
- Patented, airtight storage of oil and UV dye
- Purity of the treated refrigerant meets SAE J2099
- Menu-guided start-up and maintenance
- Digital measurement and display of high and low pressure as well as cylinder pressure and volume
- Simple and convenient menu guiding using 3 keys
- Large graphic display (5.7")
- Integrated printer
- Sturdy and compact steel housing

Scope of supply

- Housing key
- Adapter for refrigerant bottles with 1/4" SAE connection
- Adapter for refrigerant bottles with W21.8-14 connection
- Software update cable

Article no.	Article name	Description
L13004169	SpeedMaxx3	Air-conditioning service unit

Technical data

Suitable for refrigerant	R134a
Recovery performance	30 kg/h
Vacuum pump displacement	120 L/min
Refrigerant vessel (net volume)	21 kg
Charging accuracy (R134a)	± 10 g
Charging accuracy (oil)	± 1 ml
Length of charging hoses	2.5 m
W x H x D in mm	465 x 1170 x 760
Weight	109 kg
Power supply	220/240 V - 50/60 Hz

Automatic processes

- Recovery/recycling
- Purging of used oil
- Evacuation
- Vacuum leak test
- Charging of: oil, UV dye, refrigerant
- System pressure test
- Graphic print-out of the working pressure curve
- Purging of non-condensable gases

SPEEDMAXX: DC.3 | Dust cover



SPEEDMAXX 3 dust cover

Practical cover to protect the air-conditioning service unit SPEEDMAXX 3 from soiling.

Article no.	Article name	Description
L14002947	SpeedMaxx DC.3	dust cover

SPEEDMAXX FLUSHING UNIT

FOR A CLEAN SOLUTION

FLUSHING WITH R134A

Flushing an air-conditioning system removes substances that can damage the circuit such as soiled oils, humidity, air, metal chips or rubber abrasion.

Following compressor damage in particular, the refrigerant transports compressor abrasion through the whole refrigerant circuit. This could cause a repeat of the compressor damage.

If flushing were not to take place, all the air-conditioning components that carry refrigerant would have to be replaced. The SpeedMaxx 3 in connection with the flushing unit SpeedMaxx FD.9 and the flushing adapter set LOKBOX FD.9-AK assures you the greatest possible flushing success with the refrigerant R134a.

SPEEDMAXX: FD.9 | Flushing unit



SPEEDMAXX Flushing unit*

The pressurised tank ensures that refrigerant flow speed is optimized for cleaning the air-conditioning system. It is simply attached to the SpeedMaxx 3 and is integrated into the flushing circuit by means of the connection hoses provided.

TIP: The success of the flushing operation can be checked even better using the air-conditioning diagnosis sight glass LOKTOOL DSG.600.

Scope of supply

- ⊕ Service hose blue (2.5 m)
- ⊕ Quick coupler blue

Article no.	Article name	Description
L13004581	SpeedMaxx FD.9	Flushing unit

* Illustration shows adaptation of the flushing unit to the SPEEDMAXX 3.
Unit delivered separately (without SPEEDMAXX 3).

LOKBOX: FD.9-AK | Flushing adapter set



LOKBOX flushing adapter set

During the flushing process, compressor, expansion valve and dryer have to be bridged. The air-conditioning service unit has to be connected with the air-conditioning system components to be flushed. For this purpose, this case contains 50 individual parts.

Article no.	Article name	Contents
L14003374	LOKbox FD.9-AK	50 parts

LOKTOOL: DSG.600 | Air-conditioning diagnosis sight glass



Air-conditioning diagnosis sight glass*

You can integrate the sight glass into the flushing circuit for optimum control of flushing success.
For further possible uses of the air-conditioning diagnosis sight glass see the chapter on measuring and diagnosis tools.

Scope of supply

- ⌚ Service hoses red and blue
- ⌚ Quick couplers red and blue

Article no.	Article name	Description
L13004594	LOKtool DSG.600	Air-conditioning diagnosis sight glass

* Further information about the features can be found on page 74 (measuring and diagnosis devices).

SPEEDMAXX CONSUMABLES

FOR AIR-CONDITIONING COMPRESSORS, UV LEAK DETECTION AND MAINTENANCE

SPEEDMAXX: PAG | A/C compressor oil



250 ml

SPEEDMAXX A/C compressor oil in different viscosities

PAG-OIL in OEM quality.

Article no.	Article name	Quantity
L14002648	SpeedMaxx PAG 46	250 ml
L14002649	SpeedMaxx PAG 100	250 ml
L14002650	SpeedMaxx PAG 150	250 ml

SPEEDMAXX: MPL.1000 | A/C compressor multi-purpose oil



1 L

SPEEDMAXX A/C compressor multi-purpose oil

High-grade multi-purpose oil for vehicle air-conditioning systems. Compatible with all conventional mineral, ester and PAG oils.

Article no.	Article name	Quantity
L14002878	SpeedMaxx MPL.1000	1 L

SPEEDMAXX: UVD.240 | UV dye



240 ml

SPEEDMAXX UV dye

This highly effective UV dye is UL listed and meets the international standard SAE J2297. It goes extremely easy on the air-conditioning system and goes a long way. Can be used with all air-conditioning service units with UV dye management.

Article no.	Article name	Quantity
L14003376	SpeedMaxx UVD.240	240 ml
		For approx. 32 car applications.

SPEEDMAXX: MK.3 | Maintenance kit



1 L

SPEEDMAXX Maintenance kit

Maintenance kit for the air-conditioning service unit SpeedMaxx 3.

Scope of supply

- ⊕ Refrigerant filter-dryer
- ⊕ Vacuum pump oil
- ⊕ Particulate filter and O-rings

Article no.	Article name	Quantity
L13003966	SpeedMaxx MK.3	1 L

SPEEDMAXX: PP | Thermal paper



SPEEDMAXX thermal paper

Spare paper roll for the integrated results printer on the air-conditioning servicing unit SpeedMaxx 3 (thermal paper).

Article no.	Article name	Description
L20000612	SpeedMaxx PP	Thermal paper

SPEEDMAXX CONSUMABLES

FOR HYBRID VEHICLES

HYBRID VEHICLES

Hybrid vehicles are becoming more and more popular all the time. Already, 1.5 million hybrid vehicles have been sold around the world. Unlike conventional vehicles, hybrid vehicle air-conditioning systems use electric-drive compressors.

PAG-oils and standard UV dyes loosen the insulation of the electrical windings in the electric motor. For this reason, it is vital to use special oils and UV dyes for the air-conditioning servicing of hybrid vehicles.

SPEEDMAXX: HL | A/C compressor oil



250 ml

SPEEDMAXX A/C compressor oil for hybrid vehicles

High-quality A/C compressor oil especially for hybrid vehicles.

Article no.	Article name	Quantity
L14003375	SpeedMaxx HL	250 ml

SPEEDMAXX: HUVD | UV dye



240 ml

SPEEDMAXX UV dye for hybrid vehicles*

UV dye especially developed for air-conditioning systems in hybrid vehicles.

Article no.	Article name	Quantity
L14003382	SpeedMaxx HUVD	240 ml
		For approx. 32 car applications

* Sufficient for approx. 32 car applications.

RECOVERY, EVACUATION, CHARGING UNITS FOR MOBILE A/C SERVICING

The reliability of charging equipment, recovery units and vacuum pumps is complemented by extraordinary operating convenience, operational safety and environmental protection in order to comply with the high standard required by professional vehicle air-conditioning technicians.

VPSDIGITAL: AUTOMOTIVE | Fully automatic evacuating and charging station



Fully automatic evacuating and charging station VPSdigital Automotive

With the VPSdigital Automotive you can carry out the processes of evacuation, vacuum leak test and refrigerant charging automatically. When combined with the recovery unit RG-5410A-E, you have the functions of an A/C service unit available. The VPSdigital Automotive is especially suitable for mobile A/C servicing.

Features

- Graphic display with background lighting
- Straightforward and quick operation
- Digital pressure value measurement for high and low pressure as well as vacuum
- Integrated results printer
- Flexible thanks to transport feature
- Internal scales for refrigerant cartridges up to 5 kg
- Connection for external scales WP100

Scope of supply

- Service hoses red and blue (2.4 m)
- Quick couplers red and blue

Article no.	Article name	Description
L13003970	VPSdigital Automotive	Evacuating and charging station

Technical data

Suitable for refrigerant	R12, R22, R134a, R404a, R413a
Vacuum pump displacement	72 L/min
W x H x D in mm	430 x 400 x 370
Weight	36.5 kg
Power supply	220/240 V – 50/60 Hz

VPSDIGITAL: WP100 | External scales



VPSdigital external scales

For use with the fully automatic evacuating and charging station VPSdigital Automotive. You can use refrigerant tanks with an overall weight of up to 100 kg. An exact fit with dimensions of 260 mm x 60 mm x 260 mm (W x H x D), the scales can be stored comfortably in the storage compartment of the VPSdigital Automotive and are always on hand quickly.

Article no.	Article name	Description
L13003816	VPSdigital WP100	External scales

LOKTOOL: SC 98210 | Electronic scales with digital display



LOKTOOL electronic scales with digital display

The electronic scales with digital display has a sturdy weighing platform with overload protection. Operating is straightforward and convenient thanks to the separate operating and display unit. The last weight displayed can be stored. With the aid of the integrated spirit level, the weighing platform can be aligned horizontally to guarantee the accuracy of the weighing process. The operating unit has an integrated USB port.

Article no.	Article name	Description
L14001836	SC 98210	Electronic scales

Technical data

Weighing range	110 kg
Resolution	10 g
Units	[kg], [lb], [oz]
Working range	0 °C – 49 °C
Platform size in mm	220 x 220
Power supply	9 V block battery

LOKTOOL: RG-5410A-E | Recovery unit



LOKTOOL recovery unit

For the removal of both liquid and gaseous refrigerant. Thanks to the oil-free compressor, the oil change otherwise required is inapplicable. Also excellently suitable for mobile A/C servicing. Suitable for all commercially available, non-combustible refrigerants except NH3. Charging hoses are not included in the scope of supply.

Article no.	Article name	Description
L14000813	RG-5410A-E	Recovery unit
L14001026	RG5000/5410A-E	Replacement filter-dryer and connecting hose

Technical data

Recovery rate in kg/h	gaseous: 33, liquid: 80
Connections	1/4" SAE
Safety pressure switch	38.5 bar
Power consumption	380 Watt
Power supply	220/240 V – 50/60 Hz
W x H x D in mm	229 x 343 x 483
Weight	14 kg

RECOVERY, EVACUATION, CHARGING UNITS FOR MOBILE A/C SERVICING

LOKTOOL: VPS-16 PA-5/MN-07/MH-07/V80-KFZ | Vacuum pump station



Vacuum pump station

Portable vacuum pump station for the evacuation and charging of R134a air-conditioning systems.
Especially suitable for mobile A/C servicing.

Scope of supply

- ⊕ Service hoses red and blue (1.5 m)
- ⊕ Quick couplers red and blue

Article no.	Article name	Description
L13003701	VPS-16 PA-5/MN-07/ MH-07/V80-Kfz	Vacuum pump station
Technical data		
Vacuum pump displacement		72 L/min
W x H x D in mm		470 x 350 x 260
Weight		20 kg

LOKTOOL: VP-70D / RC.4D / VP-120D / RC.8D | Vacuum pumps



Article no	L14002533	L14000787	L14002822	L14000788
Article name	VP-70D	RC.4D	VP-120D	RC.8D
Power	72 L/min	72 L/min	120 L/min	142 L/min
Final partial pressure	0.005 mbar	0.005 mbar	0.005 mbar	0.005 mbar
Displacement	370 Watt	370 Watt	370 Watt	370 Watt
Voltage supply	220/240 V – 50/60 Hz	220/240 V – 50/60 Hz	220/240 V – 50/60 Hz	220/240 V – 50/60 Hz
L x W x H in mm	336 x 123 x 255	351 x 145 x 246	336 x 123 x 255	390 x 145 x 346
Weight	12.5 kg	12 kg	12.5 kg	13.5 kg

LOKPLUS: ÖL-M068 / ÖL-M0100PLUS | Mineral vacuum pump oil



LOKPLUS mineral vacuum pump oil

ÖL-M068 is suitable for vacuum pumps RC.4D and RC.8D, ÖL-M0100Plus for vacuum pumps VP-70D and VP-120D.

Article no.	Article name	Quantity	Illustration
L14000010	ÖL-M068	1 L	①
L13003963	ÖL-M0100Plus	1 L	②

LEAK DETECTION

USING HIGH-TECH TO TRACK DOWN LEAKS



QUICK LOCATION OF LEAKS

One of the most important service jobs on vehicle air-conditioning systems is leak detection. In many cases, a lack of refrigerant in the system is the reason for a drop in performance. Before the system is recharged, the service technician must check whether the loss of refrigerant was natural due to the life-time of the A/C system or due to a leak.

THE 4 MOST IMPORTANT METHODS FOR DETECTING LEAKS ARE:

1. Leak detection using tracer gas
2. Leak detection using R134a leak detectors
3. Leak detection using UV dye
4. Leak detection using nitrogen and leak detection spray



LEAK DETECTION METHODS

LEAK DETECTION USING TRACER GAS

ADVANTAGES OF LEAK DETECTION USING TRACER GAS

During tracer gas leak detection, the empty air-conditioning system is charged with commercially available tracer gas. Any escaping gas is traced by a leak detection unit especially developed for the application.

- ➞ No cross sensitiveness to other gases.
- ➞ On account of the small molecule size, even the tiniest of leaks can be found
- ➞ The evaporator can easily be checked through the ventilation slots in the passenger compartment.
- ➞ Thanks to the straightforward and reliable method, you save valuable time on every leak detection.

LOKBOX: TLD.500 | Tracer gas leak detection set



LOKBOX tracer gas leak detection set

This set contains all you need for leak detection using tracer gas in a sturdy plastic case.

Scope of supply

- ➞ Tracer gas leak detector LOKtracer 500
- ➞ Tracer gas pressure regulator PR-TG
- ➞ 1-valve manifold with gauge
- ➞ Connecting hoses
- ➞ Quick coupler (red)

Article no.	Article name	Description
L13004583	LOKbox TLD.500	Tracer gas leak detection set

LOKTOOL: LOKTRACER 500 | Tracer gas leak detector



LOKTOOL tracer gas leak detector

The LOKTRACER 500 was especially developed for tracer gas leak detection in vehicle air-conditioning systems. The unit reacts exclusively to tracer gas, so that cross sensitiveness to other gases can be almost completely excluded. The extra-long and highly flexible measuring probe also allows components in the engine compartment which are difficult to access to be checked. The size of the leak is indicated by 3 LEDs.

- ➞ Green LED: No leak
- ➞ Yellow LED: Leak > 1.4 g/year
- ➞ Red LED: Leak > 14 g/year (major leak)

The intermediate range is indicated by an increasingly loud acoustic signal (can be switched off).

Article no.	Article name	Description
L14003015	LOKtracer 500	Tracer gas leak detector

Technical data

Sensitivity	< 1 g/year
Response time	< 1 sec.
Warm-up time	< 2 min.
Measuring probe	500 mm
Working range	-15 °C - 40 °C
Voltage supply	4 x mignon cell LR6/AA 1.2 V
L x W x H in mm	70 x 100 x 28
Weight	154 g

LEAK DETECTION METHODS

LEAK DETECTION USING R134A LEAK DETECTORS

During leak detection with electronic leak detectors, the A/C circuit is monitored using a device which is fitted with a sensor system that reacts to refrigerant.

Escaping refrigerant is indicated to the technician by means of optical or acoustic signals.

LOKTOOL: SNIFFER-FLEX | Leak detection device



LOKTOOL leak detection device

On account of its highly developed sensor technology, the R134a leak detector SNIFFER-FLEX shows extremely little cross sensitivity to other gases. With automatic and manually settable zero setting to suppress background concentrations. 3 LEDs and an acoustic signal (can be switched off) indicate the size of the leak.

- 🟢 Green LED: No leak
- 🟡 Yellow LED: Leak > 3 g/year
- 🔴 Red LED: Leak > 30 g/year (major leak)

The intermediate range is indicated by an increasingly loud acoustic signal (can be switched off).

Article no.	Article name	Description
L14002158	LOKtool SNIFFER-flex	R134a leak detector



LEAK DETECTION METHODS

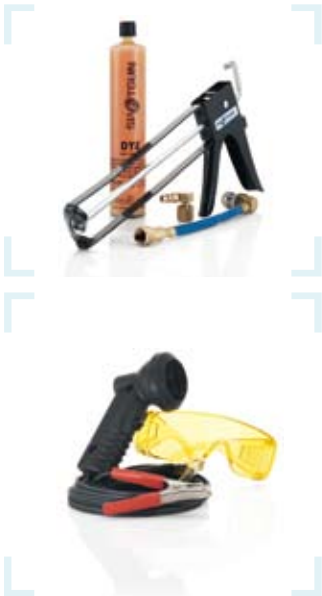
LEAK DETECTION USING UV DYE

APPLICATION DESCRIPTION

During leak detection with a UV dye, a fluorescent dye is charged into the system. This is transported through the air-conditioning system by the refrigerant.

The UV dye escapes from leaky spots together with the refrigerant. The leak is easily found by a special UV lamp which makes the dye glow.

LOKBOX: UV-LD PRO | UV leak detection set



LOKBOX UV leak detection set

Professional case with efficient components. All you need for leak detection using the UV dye.

Scope of supply

- ⊕ Powerful 50 W UV lamp with 5 m cable
- ⊕ Hand piston gun with charging hose and quick coupler
- ⊕ 240 ml UV leak detection additive UV-D.240
- ⊕ UV protective goggles
- ⊕ 120 ml dye cleaner
- ⊕ Adapter for R12 air-conditioning systems
- ⊕ 32 service labels

Article no.	Article name	Description
L14001579	LOKbox UV-LD pro	UV leak detection set

LOKBOX: UV-LD FLEX | UV leak detection set



LOKBOX UV leak detection set

The cordless UV leak detection lamp and the practical »single-shot principle« make UV leak detection extremely convenient. No more dosage of the UV dye is required, you just have to use one cartridge per application.

Scope of supply

- ⊕ Cordless UV lamp UV-DL.7
- ⊕ Hand piston gun with charging hose and quick coupler for »single-shot application«
- ⊕ 7.5 ml UV dye (4 cartridges)
- ⊕ UV protective goggles
- ⊕ 120 ml dye cleaner
- ⊕ Adapter for R12 air-conditioning systems
- ⊕ 32 service labels

Article no.	Article name	Description
L14003379	LOKbox UV-LD flex	UV leak detection set

LEAK DETECTION METHODS

ACCESSORIES AND DYES FOR UV LEAK DETECTION

LOKTOOL: UV-DL.7 | Cordless UV lamp



LOKTOOL cordless UV lamp

A special technique is used to focus the UV light of the 7 LEDs in one area in order to achieve maximum brightness.
Together with the UV protective goggles, this set is ideal for all those who use an air-conditioning service unit with UV dye injection.

Article no.	Article name	Description
L14002644	LOKtool UV-DL.7	Cordless UV lamp

LOKPLUS: UV-D.240 | UV dye cartridge



MANUFACTURER'S
APPROVAL

LOKPLUS UV dye cartridge

Replacement cartridge for the UV leak detection set LOKBOX UV-LD PRO. This highly effective UV dye is UL listed and meets the international standard SAE J2297. Sufficient for approx. 32 car applications. With service labels.

Article no.	Article name	Quantity
L14001022	UV-D.240	240 ml

LOKPLUS: UV-D.6x7,5 | UV dye cartridges



MANUFACTURER'S
APPROVAL

LOKPLUS UV dye cartridges

Replacement cartridges for the UV leak detection set LOKBOX UV-LD FLEX. This highly effective UV dye is UL listed and meets the international standard SAE J2297. One cartridge is sufficient for one passenger car application. With service labels.

Article no.	Article name	Quantity
L14003380	UV-D.6x7,5	In packs of: 6 pcs.

SPEEDMAXX: UVD.240 | Dye



MANUFACTURER'S
APPROVAL

SPEEDMAXX dye

This highly effective UV dye is UL listed and meets the international standard SAE J2297. It goes extremely easy on the air-conditioning system and goes a long way. Can be used with all air-conditioning service units with UV dye management.

Article no.	Article name	Quantity
L14003376	SpeedMaxx UVD.240	240 ml
		For approx. 32 car applications

SPEEDMAXX: HUVD | UV dye for hybrid vehicles



240 ml

SPEEDMAXX UV dye for hybrid vehicles

UV dye especially developed for air-conditioning systems in hybrid vehicles. Sufficient for approx. 32 car applications.

Article no.	Article name	Quantity
L14003382	SpeedMaxx HUVD	240 ml
		For approx. 32 car applications

LEAK DETECTION METHODS

UV DYE CLEANER

LOKPLUS: UV-DC.960 | UV dye cleaner



960 ml

LOKPLUS UV dye cleaner

After each UV leak detection process it is necessary to remove dye residues from the components of the air-conditioning system. The UV dye cleaner UV-DC.960 is very efficient and makes cleaning fast and thorough.

Article no.	Article name	Quantity
L14000998	UV-DC.960	960 ml

LEAK DETECTION METHODS

LEAK DETECTION WITH NITROGEN AND LEAK DETECTION SPRAY

During leak detection with nitrogen and leak detection spray, the air-conditioning system is charged with dry nitrogen.

In the case of major leaks, the leak can then be heard.

In the case of more minor leaks, the individual components are sprayed with leak detection spray. If there is a leak the spray starts to bubble.

LOKBOX: N2-LD | Nitrogen leak detection set



LOKBOX nitrogen leak detection set

This set contains the most important components that you need for nitrogen leak detection.

Scope of supply

- ⊕ Nitrogen pressure regulator (0 bar to 35 bar) with 1/4" SAE connections
- ⊕ Connection hose
- ⊕ Quick coupler (blue)

Article no.	Article name	Description
L13003727	LOKbox N2-LD	nitrogen leak detection set

LOKPLUS: LS-400 | Leak detection spray



400 ml

LOKPLUS leak detection spray

For the quick and easy detection of leaks in pressurised tubes. The spray is anti-corrosive, non-irritating and not flammable. Tested to DIN-DVGW.

Article no.	Article name	Quantity
L14000823	LS-400	400 ml

MEASURING AND DIAGNOSIS DEVICES

OUR DIAGNOSIS: EXACT MEASUREMENT WITH VULKAN LOKRING DEVICES ❄️❄️



RELIABLE ANALYSIS – MINIMUM SERVICING EFFORT

VULKAN LOKRING has a range of practical and reliable instruments and tools available for the important measuring and diagnosis jobs in vehicle air-conditioning systems.

MEASURING AND DIAGNOSIS DEVICES FOR REFRIGERANT ANALYSIS

LOKTOOL: DSG.600 | Air-conditioning diagnosis sight glass



LOKTOOL air-conditioning diagnosis sight glass

This sight glass guarantees you insight into the air-conditioning system for the first time. You can make up to 100 ml refrigerant visible and thus evaluable in the sight glass.

The following tests can be carried out:

- ⊕ Miscibility of the oil
- ⊕ Oil quantity (to a certain extent)
- ⊕ Humidity share
- ⊕ UV dye quantity (to a certain extent)
- ⊕ Chips and other external material

Scope of supply

- ⊕ Quick coupler (red)
- ⊕ Quick coupler (blue)
- ⊕ Service hose (red)
- ⊕ Service hose (blue)

Article no.	Article name	Description
L13004594	LOKtool DSG.600	Air-conditioning diagnosis sight glass

Technical data

Capacity	ca. 100 ml
Max. operating pressure	25 bar
Working range	10 °C – 49 °C
Length	230 mm
Weight	1 kg

LOKTOOL: GA500PLUS | Refrigerant analysis device



LOKTOOL refrigerant analysis device

The share of air-conditioning systems with contaminated refrigerant is increasing all the time. This is why it is important to check the purity of the refrigerant before every recovery process, in order to protect your refrigerant supply and thus your customers' air-conditioning systems from contaminated refrigerant. The GA500Plus determines the degree of purity of R12, R22 and R134a quickly and easily. The result measured can be printed out and presented to the customer.

Scope of supply

- ⊕ 12 V connection for the vehicle battery
- ⊕ Connection hose
- ⊕ Quick coupler for R134a air-conditioning systems
- ⊕ Quick coupler for R12 air-conditioning systems

Article no.	Article name	Description
L14001200	LOKtool GA500Plus	Refrigerant analysis device
L14001851	NT-GA500Plus	230 V mains adapter for LOKtool GA500Plus

Technical data

Accuracy	+ 1 %
Resolution	0.1 %
Measurement time	< 60 Sek.
Working range	10 °C – 49 °C

MEASURING AND DIAGNOSIS DEVICES

FOR PRESSURE TESTS

LOKBOX: KS-PA-4/MN-07/MH-07 AUTOMOTIVE | 4-valve manifold gauge set



LOKBOX 4-valve manifold gauge set for R134a air-conditioning systems

With connections for the low-pressure and high-pressure side of the air-conditioning system, for a vacuum pump as well as for a recovery unit or a refrigerant tank.

Scope of supply

- ⌚ 4-valve manifold gauge
- ⌚ Service hoses (1.5 m) in red, blue and yellow
- ⌚ Quick coupler (red)
- ⌚ Quick coupler (blue)

Article no.	Article name	Description
L13003693	KS-PA-4/MN-07/MH-07 Automotive	Manifold gauge set

LOKBOX: KS-PA-2/MN-07/MH-07 AUTOMOTIVE | 2-valve manifold gauge set



LOKBOX 2-valve manifold gauge set for R134a air-conditioning systems

With connections for the low-pressure and high-pressure side of the air-conditioning system and a vacuum pump, a recovery unit or a refrigerant tank.

Scope of supply

- ⌚ 2-valve manifold gauge
- ⌚ Service hoses (1.5 m) in red, blue and yellow
- ⌚ Quick coupler (red)
- ⌚ Quick coupler (blue)

Article no.	Article name	Description
L13003705	KS-PA-2/MN-07/MH-07 Automotive	Manifold gauge set

MEASURING AND DIAGNOSIS DEVICES FOR TEMPERATURE MEASUREMENTS

LOKTOOL: SA-880-SSX | Digital hand-held thermometer



LOKTOOL digital hand-held thermometer

For monitoring the air outlet temperature. With programmable display of maximum and minimum temperature recording.

Article no.	Article name	Description
L14000501	LOKtool SA-880-SSX	Hand-held thermometer

Technical data

Measuring range	-50 °C - 150 °C
Accuracy	± 1 °C
Resolution	0.1 °C
Stainless steel measuring probe	100 mm
Cable length	1 m

LOKTOOL: LIT 8B | Infrared thermometer



LOKTOOL infrared thermometer

For non-contact temperature measurements in the automotive field. The laser pointer allows you to position the measuring beam exactly, so that accurate measurements are possible even over large distances. The LOKTOOL LIT 8B is particularly suitable for determining temperature on the condenser surface or at the heat exchanger.

Article no.	Article name	Description
L14002340	LOKtool LIT 8B	Infrared thermometer

Technical data

Measuring range	-20 °C - 270 °C
Accuracy	± 2 %
Resolution	1 °C
Weight	200 g

CLEANING AND FLUSHING

ULTRA-CLEAN THANKS TO ULTRA-SOUND



SMALL DROPS, MAJOR EFFECT

The principle of ultrasonic nebulising: The agent, in the form of an aqueous solution, is broken down into tiny drops with the aid of an ultrasonic cell. The integrated fan presses the mist thus produced out of the system via a flexible hose and

distributes it in the whole ventilation system. On account of the tiny size of the drops ($< 5 \mu\text{m}$) these even penetrate the tiniest of spaces between the fins in the evaporator for more effective cleaning in comparison with conventional sprays.



CLEANING AIR-CONDITIONING SYSTEMS FOR FRESH AIR

REFRESH AIR PRO | Ultrasonic nebuliser



REFRESH AIR PRO ultrasonic nebuliser

The REFRESH AIR PRO is an easy to use and highly efficient ultrasonic nebuliser for cleaning air-conditioning systems and neutralising odours in the passenger compartment. Power is supplied via the 12 V on-board connection to the vehicle.

Article no.	Article name	Description
L14003385	REfreshAir pro	Ultrasonic nebuliser

REFRESH AIR PRO: BEC | Adapter cable



REFRESH AIR PRO BEC adapter cable

For extending the power cable of the ultrasonic nebuliser REFRESH AIR PRO for connection to the vehicle battery. The cable length is 4 m.

Article no.	Article name	Description
L14003391	REfreshAir pro BEC	Adapter cable

REFRESH AIR PRO: UCS | Air-conditioning system cleaner



REFRESH AIR PRO UCS air-conditioning system cleaner

For use with the ultrasonic nebuliser REFRESH AIR PRO. Eliminates fungi, bacteria and other harmful microbes from evaporators, air channels and condensation drain tubes. In addition, unpleasant odours in the passenger compartment are neutralised.

Article no.	Article name	Quantity
L14003386	REfreshAir pro UCS	100 ml (sufficient for one application)

REFRESH AIR PRO: VAF | Ventilation freshener



REFRESH AIR PRO VAF ventilation freshener*

The ventilation fresheners are attached to the vents during ultrasonic nebulising. They ensure a pleasant smell. Available in four different scents.

* The photo shows the four different scents as an example. Each packaging unit contains 12 x one scent.

Article no.	Article name	Description
L14003387	REfreshAir pro VAF-SB	Summer Breeze
L14003388	REfreshAir pro VAF-A	Apple
L14003389	REfreshAir pro VAF-C	Citrus
L14003390	REfreshAir pro VAF-V	Vanilla

FLUSHING AIR-CONDITIONING SYSTEMS FOR A CLEAN SOLUTION

LOKTOOL: FD.100 | A/C system flushing set



LOKTOOL A/C system flushing set

This set is used in combination with compressed air to eliminate contamination from the air-conditioning system. Only the individual components of the air-conditioning system can be flushed. Please use the flushing adapter set LOKBOX FD.9-AK to bridge over the compressor, expansion valve and dryer.

Scope of supply

- ② Flushing gun with tapered connector resistant to oil and acids
- ② 1 litre cylinder with pressure relief valve, quick connector with gauge and bleeding valve
- ② Helical hose
- ② Wall mounting bracket
- ② 5 litre plastic tank for collecting the flushing liquid used
- ② Transparent hose
- ② Tapered connector
- ② 2 holders for the tapered adapter

Article no.	Article name	Description
L14002586	LOKtool FD.100	A/C system flushing set

LOKPLUS: MAXIFLUSH | Flushing liquid



LOKPLUS flushing liquid

Highly efficient flushing liquid for vehicle air-conditioning systems for use with the flushing set LOKTOOL FD.100.

Article no.	Article name	Quantity
L14002607	MaxiFlush	5 l

LOKBOX: FD.9-AK | Flushing adapter set



LOKBOX flushing adapter set

During the flushing process, compressor, expansion valve and dryer have to be bridged. The flushing device has to be connected with the air-conditioning system components to be flushed. For this purpose, this case contains 50 individual parts.

Article no.	Article name	Description
L14003374	LOKbox FD.9-AK	Flushing adapter set

TOOLS AND ACCESSORIES

DEVELOPED BY US, PROVED THE WORLD OVER



ONE TOOL, ONE WORD

Whether it's complex machinery or a minor accessory part we're talking about – when it's needed, it has to work.

Which is why VULKAN LOKRING subjects all its products to strict quality checks.



SPRING-LOCK TOOLS

FOR SERVICING WORK ON REFRIGERANT LINES

SPRING-LOCK TOOLS

Some vehicle manufacturers use Spring-Lock connections in the A/C system tubes. Special tools are required for carrying out servicing work on Spring-Lock connections.

LOKTOOL: SLS1 | Spring-Lock set



LOKTOOL Spring-Lock set

Can be used for Audi, VW, Citroën, Chrysler, Ford, Hyundai, Peugeot, PSA, Renault, Seat and Skoda.

Article no.	Article name	Description
L13003697	LOKtool SLS1	Spring-Lock set

LOKTOOL: SLS2 | Spring-Lock set



LOKTOOL Spring-Lock set

Can be used for GM, Opel and Vauxhall.

Article no.	Article name	Description
L14002582	LOKtool SLS2	Spring-Lock set

LOKTOOL: SLS3 | Spring-Lock set



LOKTOOL Spring-Lock set

Can be used for Seat Ibiza, Skoda Fabia, VW Polo and VW Phaeton.

Article no.	Article name	Description
L14002583	LOKtool SLS3	Spring-Lock set

LOKTOOL: SLTT | Spring-Lock tool



LOKTOOL Spring-Lock tool for Toyota vehicles

Article no.	Article name	Description
L14002584	LOKtool SLTT	Spring-Lock tool

LOKTOOL: SLST | Spring-Lock fixing clips

LOKTOOL Spring-Lock fixing clips for Toyota vehicles

Article no.	Article name	Description
L14002585	LOKtool SLST	Spring-Lock fixing clips

LOKTOOL: RTS.LP | Spring-Lock toolLOKTOOL Spring-Lock tool for Smart vehicles
(low-pressure side)

Article no.	Article name	Description
L14002626	LOKtool RTS.LP	Spring-Lock tool

LOKTOOL: RTS.HP | Spring-Lock toolLOKTOOL Spring-Lock tool for Smart vehicles
(high-pressure side)

Article no.	Article name	Description
L14002625	LOKtool RTS.HP	Spring-Lock tool

LOKTOOL: RTMB | Spring-Lock tool

LOKTOOL Spring-Lock tool for Mercedes-Benz vehicles

Article no.	Article name	Description
L14002627	LOKtool RTMB	Spring-Lock tool

LOKPLUS: CL25 | Click Locks service port seal

LOKPLUS Click Locks service port seal*

For sealing service ports after servicing work.

Article no.	Article name	Description
L14002688	LOKplus CL25	Service port seal

* In packs of: 25
For high-pressure and low-pressure ports.

CHARGING AND VACUUM HOSES

FOR ALL AREAS OF A/C SERVICING

CHARGING AND VACUUM HOSES

- ➡ Can be used for all HCFC, HFC and HC refrigerants
- ➡ Available in the colours: blue, red and yellow
- ➡ Connection thread according to SAE standard
- ➡ Minimum bending radius: 40 mm
- ➡ Working pressure 52 bar
- ➡ Bursting pressure: 260 bar

LOKPLUS: NFS-A-G+G-1800 | Charging and vacuum hoses



LOKPLUS charging and vacuum hoses*

Connections: (1/4" SAE straight) x (1/4" SAE straight)
Length: 1800 mm

* Any other length required can be supplied on request.

Article no.	Article name	Description
L13001996	NFS-A-G+G-1800-B	Blue
L13001997	NFS-A-G+G-1800-R	Red
L13001998	NFS-A-G+G-1800-Y	Yellow

LOKPLUS: NFS-B-G+G-1800 | Charging and vacuum hoses



LOKPLUS charging and vacuum hoses*

Connections: (3/8" SAE straight) x (3/8" SAE straight)
Length: 1800 mm

* Any other length required can be supplied on request.

Article no.	Article name	Description
L13002011	NFS-B-G+G-1800-B	Blue
L13002012	NFS-B-G+G-1800-R	Red
L13002013	NFS-B-G+G-1800-Y	Yellow

LOKPLUS: NFS-D-G+G-2000 | Charging and vacuum hoses



LOKPLUS charging and vacuum hoses*

Connections: (M14x1.5) x (1/2" ACME)
Length: 2000 mm

* Any other length required can be supplied on request.

Article no.	Article name	Description
L13002752	NFS-D-G+G-2000-B	Blue
L13002753	NFS-D-G+G-2000-R	Red
L13002754	NFS-D-G+G-2000-Y	Yellow

LOKPLUS: 121-RG-4 | Ball valve



LOKPLUS ball valve

Connection: 1/4" SAE

Article no.	Article name	Description
L14000447	121-RG-4	Ball valve

QUICK COUPLERS

FOR R134A SERVICE PORTS

LOKPLUS: QC-134a-BM | Quick coupler



Low-pressure quick coupler (blue) with 1/4" SAE connector

High-quality quick coupler for connection to R134a air-conditioning systems. Tested to SAE J497.

Article no.	Article name	Description
L14002502	QC-134a-BM	Quick coupler

LOKPLUS: QC-134a-RM | Quick coupler



High-pressure quick coupler (red) with 1/4" SAE connector

High-quality quick coupler for connection to R134a air-conditioning systems. Tested to SAE J497.

Article no.	Article name	Description
L14002503	QC-134a-RM	Quick coupler

LOKPLUS: QC-134a-BF | Quick coupler



Low-pressure quick coupler (blue) with 14x1.5 connector

High-quality quick coupler for connection to R134a air-conditioning systems. Tested to SAE J497.

Article no.	Article name	Description
L14002485	QC-134a-BF	Quick coupler

LOKPLUS: QC-134a-RF | Quick coupler



High-pressure quick coupler (red) with 14x1.5 connector

High-quality quick coupler for connection to R134a air-conditioning systems. Tested to SAE J497.

Article no.	Article name	Description
L14002484	QC-134a-RF	Quick coupler

LOKPLUS: QC-134a Adapter | Quick coupler adapter



Quick coupler adapter

For connection to BMW E60 (5-Series BMW) and Ford air-conditioning systems

Article no.	Article name	Description
L14002876	QC-134a Adapter	Quick coupler adapter

FURTHER ACCESSORIES

USEFUL AIDS

LOKPLUS: W21,8-14 | Connection adapter



Adapter W21,8-14

Connection adapter for reusable refrigerant cylinder with W21.8-14 thread (incl. seal).

Article no.	Article name	Description
L14000689	Adapter W21,8-14	Connection adapter

LOKPLUS: AVL/I 1/4"SAE | Connection adapter



Adapter 1/4" SAE x ND

Connection adapter for reusable refrigerant cylinder with 1/4" SAE outer thread.

Article no.	Article name	Description
L14001983	AVL/I 1/4"SAE	Connection adapter

LOKTOOL: E-6200 | Valve core removing tool



LOKTOOL valve core removing tool

For fitting Schrader valves in R134a air-conditioning systems.

Article no.	Article name	Description
L14000013	LOKtool E-6200	Valve core removing tool

LOKBOX: V.core | Universal valve core set



LOKBOX universal valve core set

Comprehensive selection of frequently required valve cores.

Article no.	Article name	Description
L14003396	LOKbox V.core	Valve core set

LOKBOX: V.cap | Universal valve cap set



LOKBOX universal valve cap set

Comprehensive selection of frequently required valve caps.

Article no.	Article name	Description
L14003397	LOKbox V.cap	Valve cap set

LOKBOX: OT | Universal orifice tube set**LOKBOX universal orifice tube set**

Comprehensive selection of frequently used orifice tubes.

Article no.	Article name	Description
L14003398	LOKbox OT	Orifice tube set

LOKBOX: OR.U | Universal O-ring set**LOKBOX universal O-ring set**

Comprehensive selection of frequently used O-rings.

Article no.	Article name	Description
L14003395	LOKbox OR.U	O-ring set

LOKTOOL: OR.RT | Release tool**LOKTOOL OR.RT release tool for O-rings**

Article no.	Article name	Description
L14003394	LOKtool OR.RT	Release tool

LOKTOOL: FCR6 | Fin comb set**LOKTOOL fin comb set**

For smoothing and cleaning evaporator and condenser fins.

Article no.	Article name	Description
L14001031	LOKtool FCR6	Fin comb set

LOKPLUS: LR-RF 01 | Recycling cylinder**LOKPLUS recycling cylinder**

Welded recycling cylinder with sealed valve and flange to protect the valve. Double valve with dip tube for liquid and gaseous recovery with upright cylinder. Tested to PED 99/36/EC

Article no.	Article name	Description
L14002214	LR-RF 01	Recycling cylinder

Technical data

Max. operating pressure: 47 bar, Contents: 12.3 L, Max. filling quantity: 9 kg
Height: 506 mm, Diameter: 229 mm, Net weight: 7.8 kg

CONSUMABLES TABLE

LOKRING ASSEMBLY, SPEEDMAXX, OILS

LOKPREP: 65G | Anaerobic sealant



LOKTOOL: SV.3 | Abrasive mat



15 ml

Anaerobic sealant LOKPREP 65G

Article no.	Article name	Quantity
L14000878	LOKPREP 65G	15 ml



3 pcs.

High-quality abrasive mat

Article no.	Article name	Quantity
L13004251	LOKtool SV.3	3 pieces

SPEEDMAXX: PP | Thermal paper



SPEEDMAXX: PAG 46 | PAG-OIL



Thermal paper for the SpeedMaxx printer

Article no.	Article name
L20000612	SpeedMaxx PP



250 ml

A/C compressor oil, viscosity 46

Article no.	Article name	Quantity
L14002648	SpeedMaxx PAG 46	250 ml

SPEEDMAXX: PAG 100 | PAG-OIL



SPEEDMAXX: PAG 150 | PAG-OIL



250 ml

A/C compressor oil, viscosity 100

Article no.	Article name	Quantity
L14002649	SpeedMaxx PAG 100	250 ml



250 ml

A/C compressor oil, viscosity 150

Article no.	Article name	Quantity
L14002650	SpeedMaxx PAG 150	250 ml

SPEEDMAXX: MPL | Multi-purpose oil



SPEEDMAXX: HL | Hybrid oil



1 l

A/C compressor multi-purpose oil

Article no.	Article name	Quantity
L14002878	SpeedMaxx MPL	1 l



250 ml

A/C compressor oil, hybrid vehicles

Article no.	Article name	Quantity
L14003375	SpeedMaxx HL	250 ml

SPEEDMAXX: UVD.240 | UV dye**SPEEDMAXX: HUVD | UV dye**

240 ml

UV dye

Article no.	Article name	Quantity
L14003376	SpeedMaxx UVD.240	240 ml



240 ml

UV dye for hybrid vehicles

Article no.	Article name	Quantity
L14003382	SpeedMaxx HUVD	240 ml

LOKPLUS: M068 | Mineral oil for vacuum pumps**LOKPLUS: M0100Plus | Mineral oil for vacuum pumps**

1 l

Mineral oil for vacuum pumps

Article no.	Article name	Quantity
L14000010	Öl-M068	1 l



1 l

Mineral oil for vacuum pumps

Article no.	Article name	Quantity
L13003963	Öl-M0100Plus	1 l

LOKPLUS: PAG 46 OC.240 | PAG-OIL**LOKPLUS: PAG 100 OC.240 | PAG-OIL**

240 ml

A/C compressor oil, viscosity 46

Article no.	Article name	Quantity
L14001605	PAG 46 OC.240	240 ml



240 ml

A/C compressor oil, viscosity 100

Article no.	Article name	Quantity
L14001581	PAG 100 OC.240	240 ml

LOKPLUS: PAG 150 OC.240 | PAG-OIL

240 ml

A/C compressor oil, viscosity 150

Article no.	Article name	Quantity
L14001607	PAG 150 OC.240	240 ml

CONSUMABLES TABLE

LEAK DETECTION

LOKPLUS: UV-D.240 | UV dye



240 ml

UV dye

Article no.	Article name	Quantity
L14001022	UV-D.240	240 ml

LOKPLUS: UV-D.6x7,5 | UV dye



6 x 7,5 ml

UV dye

Article no.	Article name	Quantity
L14003380	UV-D.6x7,5	6 x 7.5 ml

LOKPLUS: UV-DC.120 | Dye cleaner



120 ml

Dye cleaner

Article no.	Article name	Quantity
L14003403	UV-DC.120	120 ml

LOKPLUS: UV-DC.960 | Dye cleaner



960 ml

UV dye cleaner

Article no.	Article name	Quantity
L14000998	UV-DC.960	960 ml

LOKPLUS: SL.32 | Service label



32 pcs.

Service label

Article no.	Article name	Quantity
L14001588	SL.32	32 pcs.

LOKPLUS: LS-400 | Leak detection spray



400 ml

Leak detection spray in spray can

Article no.	Article name	Quantity
L14000823	LS-400	400 ml

CONSUMABLES TABLE

CLEANING, FLUSHING

LOKPLUS: MaxiFlush | Flushing liquid



MaxiFlush flushing liquid

Article no.	Article name	Quantity
L14002607	MaxiFlush	5 l



REFRESHAIR PRO: UCS | Air-conditioning system cleaner



Cleaner for the ultrasonic nebuliser

Article no.	Article name	Quantity
L14003386	REfreshAir pro UCS	100 ml



REFRESHAIR PRO: VAF-SB | Ventilation freshener



Ventilation freshener – Summer Breeze

Article no.	Article name	Quantity
L14003387	REfreshAir pro VAF-SB	12 pcs.

REFRESHAIR PRO: VAF-A | Ventilation freshener



Ventilation freshener – Apple

Article no.	Article name	Quantity
L14003388	REfreshAir pro VAF-A	12 pcs.

REFRESHAIR PRO: VAF-C | Ventilation freshener



Ventilation freshener – Citrus

Article no.	Article name	Quantity
L14003389	REfreshAir pro VAF-C	12 pcs.

REFRESHAIR PRO: VAF-V | Ventilation freshener



Ventilation freshener – Vanilla

Article no.	Article name	Quantity
L14003390	REfreshAir pro VAF-V	12 pcs.

SERVICE – WELL INFORMED RATHER THAN WRONGLY CONNECTED
WE WILL BE HAPPY TO HELP



VULKAN LOKRING ROHRVERBINDUNGEN GMBH & CO. KG

Heerstraße 66 _ D-44653 Herne _ PO Box 20 04 68 _ D-44634 Herne

Phone +49 23 25 92 23 04 _ Fax +49 2 32 55 12 22

E-mail: info.lok@vulkan24.com _ www.vulkan24.com



INFORMATION REQUEST FAX

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Name	Position
Company	Department
Street	Phone
Town	Fax
Country	E-Mail

I WORK IN THE FIELD OF

- ☐ Vehicle air conditioning
- ☐ White goods
- ☐ Building air conditioning
- ☐ Commercial refrigeration systems

THE MAIN FOCUS OF MY WORK IS

- ☐ Service
- ☐ Original equipment suppliers
- ☐ Manufacturers / OEM

YES, I WOULD LIKE MORE DETAILED INFORMATION ...

1. CATALOGUES

- ☐ Catalogue – for servicing
- ☐ Single ring tube connection – for series production
- ☐ LOKRING tube connection for servicing –
General fundamentals and application guidelines

2. BROCHURES

- ☐ LOKRING | LOKCLIP
- ☐ SPEEDMAXX

PLEASE PROVIDE AS

- ☐ Catalogue
- ☐ PDF file
- ☐ CD

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Name	Position
Company	Department
Street	Phone
Town	Fax
Country	E-Mail

I WORK IN THE FIELD OF

- ☐ Vehicle air conditioning
- ☐ White goods
- ☐ Building air conditioning
- ☐ Commercial refrigeration systems

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- ☐ Manufacturers / OEM

Date _____ Signature and company stamp _____

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FOR QUICK CONNECTIONS

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IDEAS CONNECT

NOTE

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