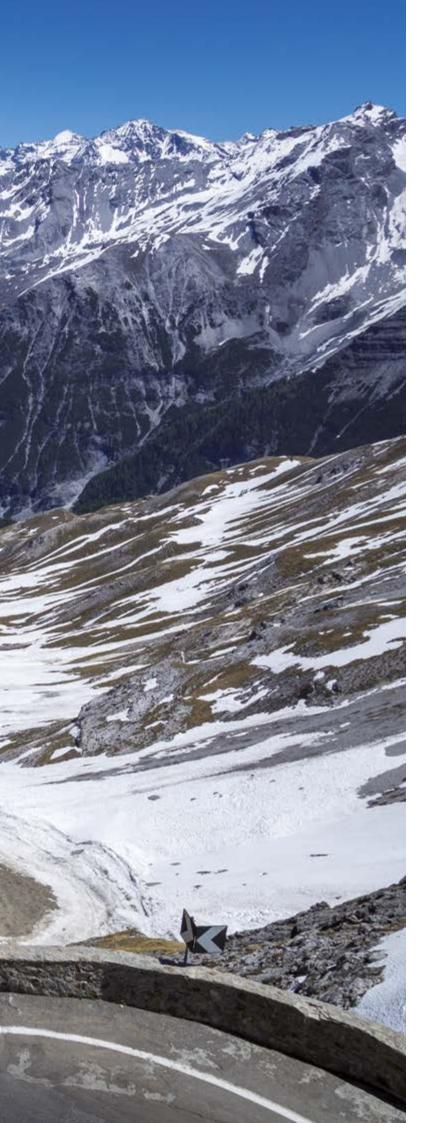
## MOBILITY SOLUTIONS

POWERSPORTS **PERFORMANCE COMPONENTS** 



MAGURA has excelled as an acknowledged OEM leader for the global two-wheel industry for over 90 years, setting standards in safety, comfort and innovation. MAGURA is a pioneer in the world of hydraulics. It's no surprise to find long-established international companies such as BMW, KTM, Triumph, Ducati and many more turning to MAGURA when it comes to steering, brake and clutch products. MAGURA has been on board with BMW, for example, from their very first machine right through to the present day!

Improved safety and the development of innovative hydraulics technology have been the motivating forces driving the MAGURA brand for over nine decades. For high performance motor racing or everyday comfort – MAGURA makes an important contribution to ensuring that safety is a top priority for cyclists and MOTORCYCLE riders.



### Η

HIGHLIGHTS 2019	6
The Rok Bagoros X-line Special-Edition and HC <sup>3</sup> Black	6
125 YEARS MAGURA	8
MAGURA HCT	12
HC <sup>1</sup> Radial-Master HC <sup>3</sup> Radial-Master	14 18
HYDRAULIC MASTER CYLINDERS	22
167 Hydraulic brake and clutch master cylinder	22
MAGURA HYMEC	24
HYMEC Off-Road and HYMEC On-Road HYMEC replacement clutch slave cylinders Build your own HYMEC clutch system	26 29 30
MAGURA PERFORMANCE PARTS FOR BMW	32
Replacement levers BMW Upgrade Parts for R-Models	34 35
X-LINE HANDLEBARS	36
CLASSICS	40
73 Sport brake lever	42
73.202 Sport brake dual pull lever	42
74 Sport clutch lever	42
101 Clutch lever	43
108 Brake lever	43
12 Decompression lever	43
225 Hydraulic brake and clutch lever	43
233 Throttle twist grip with mechanical brake	44 44
273 Throttle twist grip with mechanical brake 307 Throttle twist grip	44
309 Throttle twist grip	44
314 Duo throttle twist grip	45
317 Electric throttle twist grip	45
700 Rear brake master cylinder	45
MAGURA SPARE PARTS AND	
ACCESSORIES	46

HC <sup>1</sup> spare parts and accessories	48
HC <sup>3</sup> spare parts and accessories	50
167 HYMEC spare parts and accessories	52
HYMEC for Harley spare parts	54
195 Radial master cylinder spare parts	55
167 Hydraulic master cylinder spare parts (brake/clutch)	56
190 Radial master cylinder spare parts	57
163 Hydraulic clutch master cylinder spare parts	58
750/770 Radial supermoto brake system spare parts	59
Accessoires	60

64

### LIQUI MOLY

All prices listed are recommended retail pricing valid from the 01.05.2018 and include 19% VAT.

Specifications are subject to change with prior notice Pricing, delivery and other terms and conditions are those in effect at time of delivery.

Any and all riding stunts printed in this catalogue have been completed by professional riders in a controlled environment and are only possible with exceptional skill and experience combined with intensive training. Please do not under any circumstance attempt to replicate these actions!

# HGH-S

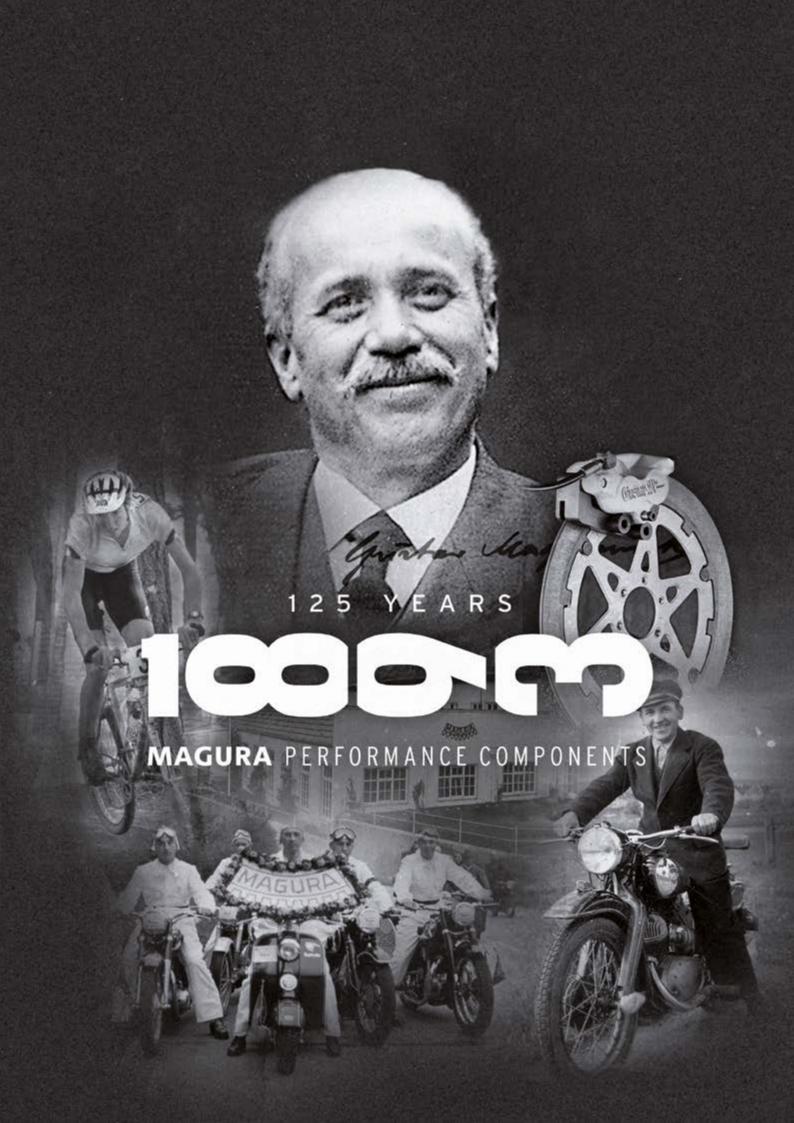
THE ROK BAGOROS X-LINE SPECIAL-EDITION – MORE STYLE AND MORE PERFORMANCE. THIS X-LINE HANDLEBAR HAS BEEN DEVELOPED TO-GETHER WITH THE INTERNATIONALLY RENOWNED STUNT RIDER ROK BAGOROS: THE SPECIAL EDITION VERSION IMPRESSES WITH IMPROVED ERGONOMICS AND EXCLUSIVE ROK-DESIGN! A TYPICAL MAGURA X-LINE HANDLEBAR AND STILL VERY MUCH UNIQUE! FOR MORE DETAILS SEE PAGE 38

**HC<sup>3</sup> BLACK** – PREMIUM GRADE ALUMINIUM ALLOY – ANODISED BLACK WITH RED FEATURES. THESE MASTER CYLINDERS ARE A HIGHLIGHT ON EVERY MOTORCYCLE AND IMPROVE THE PERFORMANCE OF THE CLUTCH AND BRAKE. DETAILS FROM PAGE 20.

1

14

ARUDAM



### 125 YEARS OF MAGURA: A STORY OF SUCCESS

### SUCCESS FOR 125 YEARS

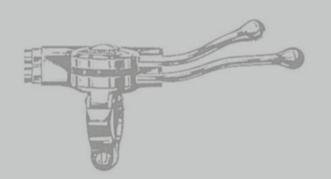
125 years of MAGURA History: from the gear rack, which still forms the main symbol in the company logo, to the production of modern electronic componentry and self-developed high tech composite materials. For decades MAGURA has proved itself to be a reliable and competent partner to the motorcycle and bicycle industry. In the last few years MAGURA has been more and more a propelling and innovative force in the area of electric mobility.

Gustav Magenwirth, born in 1866 in Bad Urach, would look back at these developments with a proud smile. He was renowned as a man who thought hard how best to improve designs and was well ahead of his time. He always placed great value on the flexibility of his company. To the very present day his flexibility remains as an important characteristic of MA-GURA and a corner stone of the company's success.

Beginning as an apprentice and later working as an employee with Karl Benz the MAGURA founder went on to produce engines, hydraulic pumps, plastics, bicycle and motorcycle components. Gustav Magenwirth invented one of the milestones in the company history in the form of the straight cable activation lever for motorcycles, which led to the beginning of a cooperation which remains to this day with the BMW Motorrad division. The combination of tradition and progress is still evident to this very day and the once family home of the company founder is now used as the main company headquarters for the holding company MAGENWIRTH Technologies in Bad Urach.

Even when the company experienced hard times, particularly during the Great Depression in 1928 and in the years until the end of the Second World War, Magenwirth and his daughters Julie, Martha and Klara were always looking ahead. The following generation was marked by husbands and sons, men like Eugen Munz and Werner Auch, who forged the future progress of the company. The fourth generation of the family is now at the forefront in the form of Fabian Auch who is the great grandson of Gustav Magenwirth. MAGURA continues to look and think ahead: MAGURA Powersports concentrates on everything to do with steering, braking and clutch activation for first class performance according to the highest guality standards. Renowned as an innovative and creative think-tank MAGURA continue to delight customers with well-considered new solutions. In addition the cooperation and development work with several big players in the motorcycle industry leads to new benchmark products in terms of comfort, safety and control.

As a competent partner to the international motorcycle industry MAGURA has an excellent reputation. The company always keeps an eye on the market trends away from the OEM business and is also able to supply excellent products with great attention to detail for use in the high end customising scene.



1893 2018







### **PERFORMANCE RE-DEFINED**

In 1957 MAGURA acquired a plastic injection moulding facility for the development of its own products and sophisticated design construction. Nowadays the MAGURA composite production takes place in a modern facility in Hülben, close to Bad Urach. A number of self-developed materials like Carbotecture® und Carbotecture SL® are used to manufacture high quality parts in the injection moulding factory. The neighbouring production facility in Hengen employs 130 workers who produce bicycle brakes, motorcycle components and industrial controls. The affiliated company Bebro electronics is also within a half hour drive from Bad Urach and delivers the technical know-how for electronic assemblies, devices and systems.

Currently MAGURA divides the business into four important domains: Bike, Powersports, Controls and Composite.

The MAGURA motorcycle componentry domain retains its advantage by consequently developing new innovative solutions. Increased safety, more comfort and constant improvements in performance characterise the products from MAGURA Powersports. All OEM and Aftermarket products from MAGURA have been known for decades to provide quality and pioneering technology. High performance master cylinders like HC3 and HC1 stand out with important technical features like the patented HCT primary seal or the advanced secondary seal technology. R&D departments from leading motorcycle manufacturers, race teams, custom shops, motorcycle dealers, accessory shops as well as specialised workshops and motorcycle riders - they all value MAGURA as a supplier of high end motorcycle components.



The bike domain at MAGURA has managed within the last 30 years to move from newcomer, with the invention of the first hydraulic bicycle brake systems in 1987, to technology leader within the bicycle component market. High-Tech-Componentry is manufactured from self-developed products and materials and the success of the MT-Series has been well proven as Test-Winner brake in various comparison tests. Innovative world firsts like the suspension fork eLECT or the first wireless adjustable seat post "VYRON" place MAGURA at the leading edge of new bicycle technologies.

The motorcycle and bicycle business has been expanding year on year at MAGURA. The sales through our associated companies in the USA and Asia ensure worldwide availability of our products. MAGURA is also the service partner for Bosch E-Bike-Components and Drive units since the original market introduction. The long standing cooperation with Bosch led to the 2015 development of the first bicycle ABS Disk Brake which was introduced to the general public in 2017. Since that same year MAGURA has also been involved in a joint venture project with various renowned companies, such as ZF Friedrichshafen, to develop products and strategies to promote the E-Mobility market in the future.

The traditional company from Bad Urach looks back at 125 years of success. This company history is not only a good reason to celebrate the past but also an obligation to shape the future with confidence and spirit.



### THE RADIAL FAMILY



### **BRAKE AND CLUTCH LIKE A PRO**

TWO VERSIONS OF THE BRAKE AND CLUTCH SYSTEMS BASED ON HCT TECHNOLOGY ARE CURRENTLY AVAILABLE. MAGURA OFFERS PERFECTION FOR ALL MOTORBIKE AFICIONADOS FROM COMFORT-ORIENTED TOURING RIDERS AND DISCERNING CUSTOM BIKE FANS TO RACING PROFESSIONALS.

The HCT patented MAGURA technology significantly improves the responsiveness of brake and clutch. Developed for the racetrack, the system inspires motorcycle professionals and recreational riders alike. In extreme conditions like racing, the novel "Advanced Seal Technology" prevents air from penetrating the hydraulic system. The HCT design diminishes internal friction, emphatically improving brake and clutch performance. The HCT hydraulic system uses a slotted piston with a stationary primary seal. It is fully compatible with all brake systems, with or without ABS (as of Q3.2018). Damage caused by ABS kickbacks is also prevented. With its innovative HCT, MAGURA is once again setting the trends for comfort, safety and riding enjoyment.





## STREET KING

### AT A GLANCE:

- For superbikes, supermotos and road sports specialists
- Optimal lever kinematics
- Brake lever reach is individually adjustable
- Highest possible manufacturing quality
- Lever and cylinder parts are forged
- Direct pressure point
- Sensitive and powerful braking and clutch operation
- Space-saving design
- Unmatched price-performance ratio
- ABS-compatible
- Leading international stunt riders rely on the HC<sup>1</sup>



### IF YOUR OWN REQUIREMENTS IN DRIVING DYNAMICS, SAFETY AND COMFORT ARE MORE DEMANDING AND YOU WANT TO MAKE A GOOD BIKE EVEN BETTER, THEN IT'S TIME FOR THE NEW HC<sup>1</sup> FROM MAGURA. THE DECISION TO OPTIMISE YOUR OWN MOTORCYCLE IS MADE EASY BY THIS COMPACTLY-DESIGNED RADIAL FITMENT.

Every real fan of motorcycles will love the confidence-inspiring sensation of being able to brake and operate the clutch much more precisely, and the feeling of the strong, direct pressure point. We truly believe that you won't want to do without the performance of a MAGURA radial master cylinder once you've experienced it. Thanks to the pump's diagonal inclination, the HC<sup>1</sup> is also very easy to mount. Like all brand products from MAGURA, this ABS-compatible radial fitment stands out from the rest with its cutting-edge technology, sophisticated ergonomics and of course the outstanding MAGURA craftsmanship down to the last detail.

The HC<sup>1</sup> is supplied with a pre-mounted brake light switch and a compensating reservoir. Levers in two different lengths are available as spare parts, as well as various types of reservoir with matching holders and mirror mounting brackets.

### **HC<sup>1</sup> BRAKE MASTER**

DESCRIPTION	ORDER CODE	RRP
HC <sup>1</sup> Brake Master Piston diameter 18 mm, long lever blade	2100453	309,95€
HC <sup>1</sup> Brake Master Piston diameter 15 mm, long lever blade	2100451	309,95€
HC <sup>1</sup> Brake Master Piston diameter 12 mm, short lever blade	2100452	309,95€

### **HC<sup>1</sup> CLUTCH MASTER**

DESCRIPTION	ORDER CODE	RRP
HC1 Clutch Master Piston diameter 16 mm (for DOT), long lever blade	2100457	309,95€
HC¹ Clutch Master Piston diameter 13 mm (for DOT), long lever blade	2100489	309,95€
HC¹ Clutch Master Piston diameter 12 mm (for DOT), long lever blade	2100454	309,95€
HC¹ Clutch Master Piston diameter 13 mm (for mineral oil*), long lever blade	2100456	309,95€
HC <sup>1</sup> Clutch Master Piston diameter 12 mm (for mineral oil**), long lever blade	2100455	309,95€

Suitable for use with BMW and KTM mineral oil clutch activation systems.

Suitable for MAGURA HYMEC applications.

### OPTIONAL EXTRAS

WITH ABE

(must be ordered separately)

- Short brake lever
- Mirror mount clampDouble banjo connector
- for 2 brake lines
- Radial adapter for HYMEC pressure line
- Various reservoir options
- HCT reservoir covers



### ITEMS INCLUDED WITH DELIVERY

Every ready-to-mount  $\mathsf{HC}^1$  is delivered with these package contents:

- Banjo bolt with sealing rings (M10x1)
- Remote reservoir
- Standard clamp (without mirror mount)
- Brake light or start safety switch
- ABE for brake fitments
- Owner's Manual

The complete current ABE recommended fitment listing with additional models can be found available to download at **magura.com** 

IF YOUR MOTORCYCLE IS NOT LISTED IN OUR ABE YOU CAN SEND US DETAILS ON THE CURRENT MASTER CYLINDER USED ON YOUR MOTORCYCLE AND REQUEST A RECOMMENDATION FOR A REPLACEMENT OPTION. YOU CAN THEN ARRANGE AN APPOINTMENT WITH YOUR TECHNICAL SERVICE PARTNER AND REQUEST A SINGLE VEHICLE APPROVAL FOR THE UPGRADE PARTS.



### AT A GLANCE:

- For superbikes, supermotos and road sports specialists
- CNC-machined aluminium housing
- 90° radial design
- 3-way adjustable lever bearing point
- Folding lever
- Advanced Seal Technology
- Reservoir kit

1

5

SEJE

3

- Titanium fixing screws
- ABS-compatible



MACHINED CLAMP SUPPLIED WITH TITANIUM RETAINING BOLTS MACHINED ALUMINIUM BODY – this master cylinder body has been produced from high grade aluminium alloy to ensure a lightweight design combined with maximum rigidity which has been built to last.

90° FULL RADIAL DESIGN – Pushrod and cylinder at right angle to handlebar results in decreased friction and more direct brake feeling for improved control.

FULL ABS COMPATIBILITY – MAGURA "HCT" is approved for continuous use with all ABS systems without loss of performance due to pressure compensation (ABS-Kickback). (Status Q3.2018)

3 WAY LEVER RATIO – The hand activated master cylinder lever has a clever 3 way adjustable point of support. This mimics the effect of using a piston size 1 mm below and above the selected hydraulic ratio. Simply remove and reposition the lever support retaining bolt for a softer or harder pressure point. All 3 positions offer 90° full radial activation.

FOLDING LEVER BLADE – Reduces the force exerted on the master cylinder body in the event of a fall over. This will increase the possibility to continue riding following a fall over incident.

ADVANCED SECONDARY SEAL TECHNOLOGY – The rear piston seal has been specially designed to prevent the introduction of air through secondary seal ingress. The advanced X-Ring seal design will reduce or eliminate this problem common on racing motorcycles at higher RPM.

**RESERVOIR MOUNT** – The master cylinder is supplied with an external reservoir and mounting bracket designed to use minimum space and with smoked glass to optically determine the level and condition of the brake fluid at all times.

TITANIUM RETAINING BOLTS – Lever and clamp retaining bolts are high grade titanium saving weight while remaining strong and durable.



### **HC<sup>3</sup> BRAKE MASTER**

Piston diameter

12 mm =11 –<u>13 mm</u>

(for mineral oil use\*)

MODEL	COLOUR	ORDER CODE	RRP
HC <sup>3</sup> Brake Master Piston diameter 18 mm = 17 to 19 mm (fully ABE approved)	Black Gold	2100691 2100299	799,95€ 799,95€
HC <sup>3</sup> Brake Master Piston diameter 15 mm = 14 to 16 mm (fully ABE approved)	Black Gold	2100689 2100297	799,95€ 799,95€
HC <sup>3</sup> Brake Master Piston diameter 12 mm = 11 to 13 mm, short lever blade, without switch and ABE (race version)	Black Gold	2100690 2100298	799,95€ 799,95€
HC <sup>3</sup> CLUTCH MASTER			
MODEL	COLOUR	ORDER CODE	RRP
HC³ Clutch Master Piston diameter 15 mm = 14 to 16 mm (for brake fluid use - DOT)	Black Gold	2100692 2100300	799,95€ 799,95€
HC <sup>3</sup> Clutch Master			

Suitable for use with BMW and KTM mineral oil clutch activation systems Suitable for use with MAGURA HYMEC applications

### **OPTIONAL EXTRAS**

(must be ordered separately)

- Short fold lever\*
- Mirror mount clamp
- Remote lever adjuster
- Double banjo connector for 2 brake lines
- Radial adapter for HYMEC pressure line
- HCT reservoir covers
- \* Standard equipment on 12 mm HC<sup>3</sup> Brake Master for racing

SPARE PARTS AND ACCESSORIES ON PAGES 50-51 se l

### **DELIVERY INCLUDES**

Each HC<sup>3</sup> master cylinder comes ready to install and delivery includes:

Black

Gold

2100693

2100301

799,95€

799,95€

- 3 Way Lever Ratio (mimics ±1mm hydraulic) ratio adjustment)
- Banjo Connector with sealing rings
- Remote Reservoir
- Standard Clamp (without mirror mount)
- Pre-Installed Switch (for brake or clutch activation)
- ABE (German TÜV Approval) for Ø 15 mm and Ø 18 mm brake master
- Owner's Manual

The complete current ABE recommended fitment listing with additional models can be found available to download at magura.com

IF YOUR MOTORCYCLE IS NOT LISTED IN OUR ABE YOU CAN SEND US DETAILS ON THE CURRENT MASTER CYLINDER USED ON YOUR MOTORCYCLE AND REQUEST A RECOMMENDATION FOR A REPLACEMENT OPTION. YOU CAN THEN ARRANGE AN APPOINTMENT WITH YOUR TECHNICAL SER-VICE PARTNER AND REQUEST A SINGLE VEHICLE APPROVAL FOR THE UPGRADE PARTS. HC3 RADIAL MASTER CYLINDER



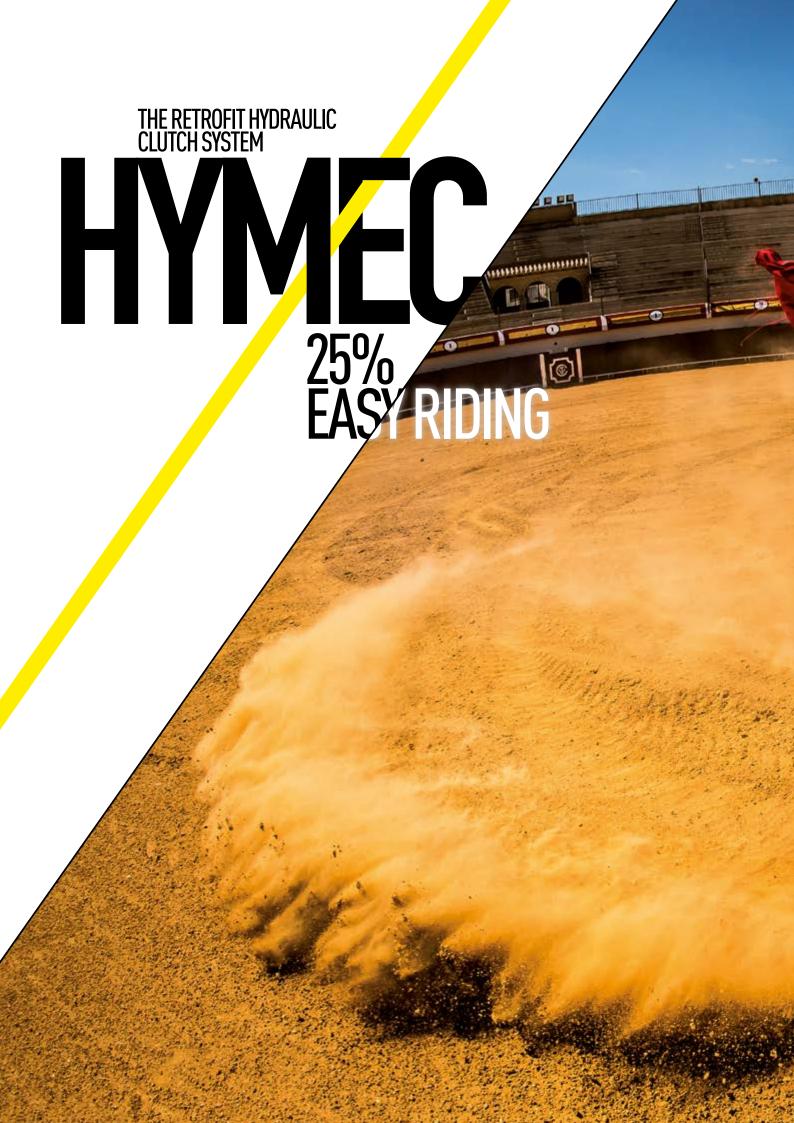
### 167 HYDRAULIC BRAKE AND CLUTCH MASTER CYLINDER

Hydraulic brake and clutch control, one piece aluminium cylinder with reservoir, forged and break-optimised alloy lever blade, improved reach adjust, easy to fit with a folding clamp, the compact construction avoids collisions when riding extreme off road. The cylinder and lever blade pivot are protected against the elements with a rubber cap. Available for use with mineral oil or brake fluid.

Model	PISTON-Ø IN MM	MEDIUM	DESCRIPTION/APPLICATION	ORDER CODE	RRP
CLUTCH MASTER					
Clutch Master 167.2 ls	9,5	Mineral oil	Black Off-Road Master cylinder, silver lever blade 123 mm without deco lever, clutch switch or mirror-mounting bracket	2701581	149,95€
Clutch Master 167.1 ls	10,5	Mineral oil	Black Off-Road Master cylinder, silver lever blade 123 mm without deco lever, clutch switch or mirror-mounting bracket	2701582	149,95€
Clutch Master 167.2 ls	9,5	DOT4/5.1	Black Off-Road Master cylinder, silver lever blade 123 mm without deco lever, clutch switch or mirror-mounting bracket	2701583	149,95€
Clutch Master 167.1 ls	10,5	DOT4/5.1	Black Off-Road Master cylinder, silver lever blade 123 mm without deco lever, clutch switch or mirror-mounting bracket	2701584	149,95€
Clutch Master 167.2 ls	9,5	Mineral oil	Black Off-Road Master cylinder, silver lever blade 146 mm, deco lever, clutch switch, mirror-mounting bracket	2700183	210,15€
Clutch Master 167.1 ls	10,5	Mineral oil	Black Off-Road Master cylinder, silver lever blade 146 mm, deco lever, clutch switch, mirror-mounting bracket	2700186	210,15€
Clutch Master 167.2 ls	9,5	DOT4/5.1	Black Off-Road Master cylinder, silver lever blade 146 mm, deco lever, clutch switch, mirror-mounting bracket	2700184	210,15€
Clutch Master 167.1 ls	10,5	DOT4/5.1	Black Off-Road Master cylinder, silver lever blade 146 mm, deco lever, clutch switch, mirror-mounting bracket	2700187	210,15€
Clutch Master 167.2 ls	9,5	Mineral oil	Black Street Master cylinder, black lever blade 163 mm, deco lever, clutch switch, mirror-mounting bracket	0723295	196,65€
Clutch Master 167.1 ls	10,5	Mineral oil	Black Street Master cylinder, black lever blade 163 mm, deco lever, clutch switch, mirror-mounting bracket	2700185	183,10€
Clutch Master 167.6 ls	12	Mineral oil	Black Street Master cylinder, black lever blade 163 mm, clutch switch BMW, mirror-mounting bracket BMW (M10x1.5 mm)	2700482	208,10€
BRAKE MASTER					
Brake Master 167.51 ls	13	D0T4/5.1	Black Off-Road Master cylinder, black lever blade 163 mm, with brake light switch and mirror mount	2701418	214,95€
Brake Master 167.60 ef	9,5	 DOT4/5.1	Silver Off-Road Master cylinder, silver lever blade 123 mm, with brake light switch and standard mount	2701419	204,95€



\* Find clutch switches page 52-53 and 61 Maximum stroke | 13.8 mm Lever ratio | 1:4 Tubing fitting | M 10x1



### Switch to HYMEC now for hydraulic clutch action. On-road or off-road, on long tours or your home circuit – with HYMEC every trip is just that bit more comfortable. Up to 25 percent less strength needed for clutch action and a clearly defined, constant bite point. HYMEC for an easier biking life.

- robust
- easy to mount
- excellent modulation
- reduced maintenance

NEC.

E E.

(1)

### **BREAKAWAY LEVER**

The HYMEC ensures an easier operating pressure, a constant pressure point, no more cable adjustment and smooth clutch actuation to ensure the perfect take-off every time. HYMEC significantly improves vehicle performance – it allows the user to feel the point where the clutch releases and actuates. This product has been developed over many years and been tested under the toughest conditions possible in the world of motorcycle Off-Road sport. It has been used by world champion riders who all agree as to the benefits but it is just as useful to the complete novice who stalls at the traffic lights. Due to demand MAGURA now offers the HYMEC system for various road going motorcycles.

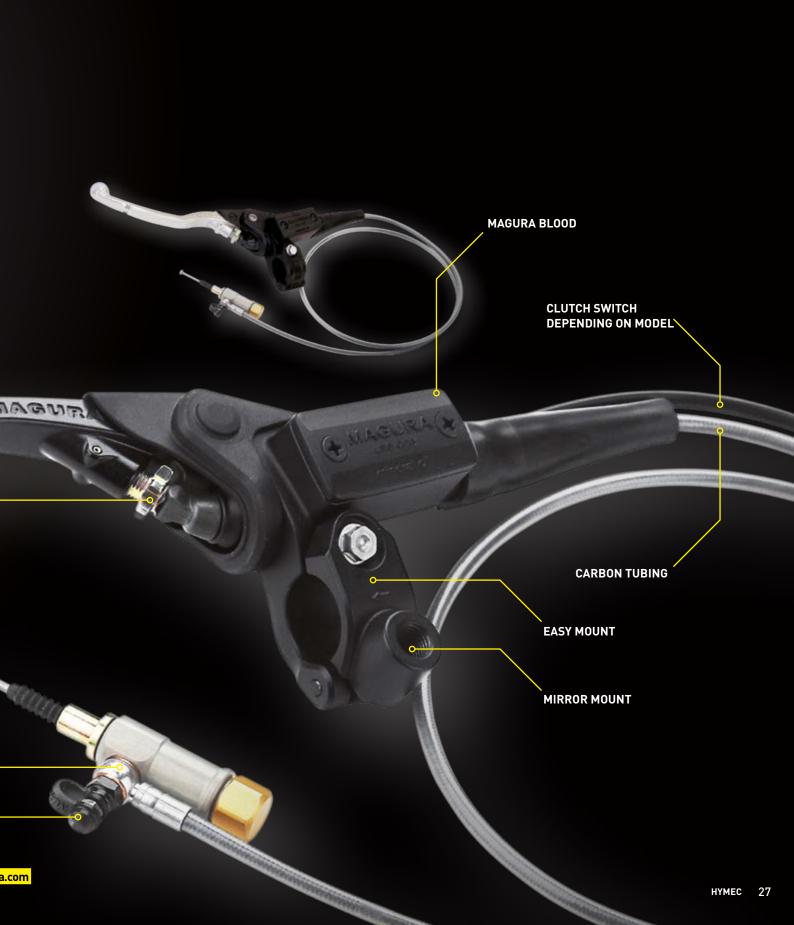
HYMEC OFF-ROAD: from 289,95 € HYMEC ON-ROAD: from 332,95 €

### **REACH ADJUST**

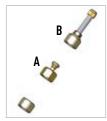
RHR ROTATABLE HOSE ROUTING

EASY FILL

MAGURA HYMEC – AN EASY TO INSTALL ALTERNATIVE TO A MECHANICAL CLUTCH. THIS SYSTEM REPLACES THE CLUTCH LEVER AND CABLE – WITH A SMALL LIGHTWEIGHT HYDRAULIC SYSTEM FOR IMPROVED CLUTCH CONTROL.



### **OPTIONAL EXTRAS FOR YOUR HYMEC SLAVE CYLINDER**



HYMEC-SLAVE-REAR CAP KIT: Contains standard, rearmount and rearmount vario cap options.

ORDER CODE 2100018 RRP 29,95 €

### NIPPLE ADAPTER KIT:

If your clutch cable has a large attachment nipple you will require a nipple for the end of your HYMEC slave cylinder activation rod.

### ORDER CODE 2701674

Contains both an 11 and 14 mm attachment nipple adapter RRP 11,95 €

### **REPLACEMENT HYMEC CLUTCH SLAVE CYLINDERS**

If you have an older HYMEC clutch activation system and require a replacement slave cylinder but are not aware of the correct part number we have devised a method to make it easier for you to establish the part number for the replacement. Remove the slave cylinder from the motorcycle and activate the master cylinder until the slave cylinder activation rod is fully retracted and withdrawn. The piston in the slave cylinder is now contacting the bronze cap at the back of the slave cylinder and the rod length should be measured as shown on top of page 29. If the slave cylinder is no longer working it can be removed from the pressure line and forced slowly and carefully into the slave cylinder for the measurement.

### A. REARMOUNT:

If your slave cylinder is attached with a rearmount together with any of the mounting adapters listed on page 52, pos. 28 you may require this REAR-MOUNT cap.

### **B. REARMOUNT VARIO:**

This kit enables the fitment of the HYMEC slave cylinder STANDARD as a RE-ARMOUNT VARIO option. The VARIO option allows for adjustment and extends the fitment length by 55 to 77mm and can be used with all of the slave cylinders listed on page 29.



### 2 STROKE ATTACHMENT KIT:

If the HYMEC slave cylinder is located under the clutch cover it maybe necessary to use one of the sleeves in conjunction with an o-ring.

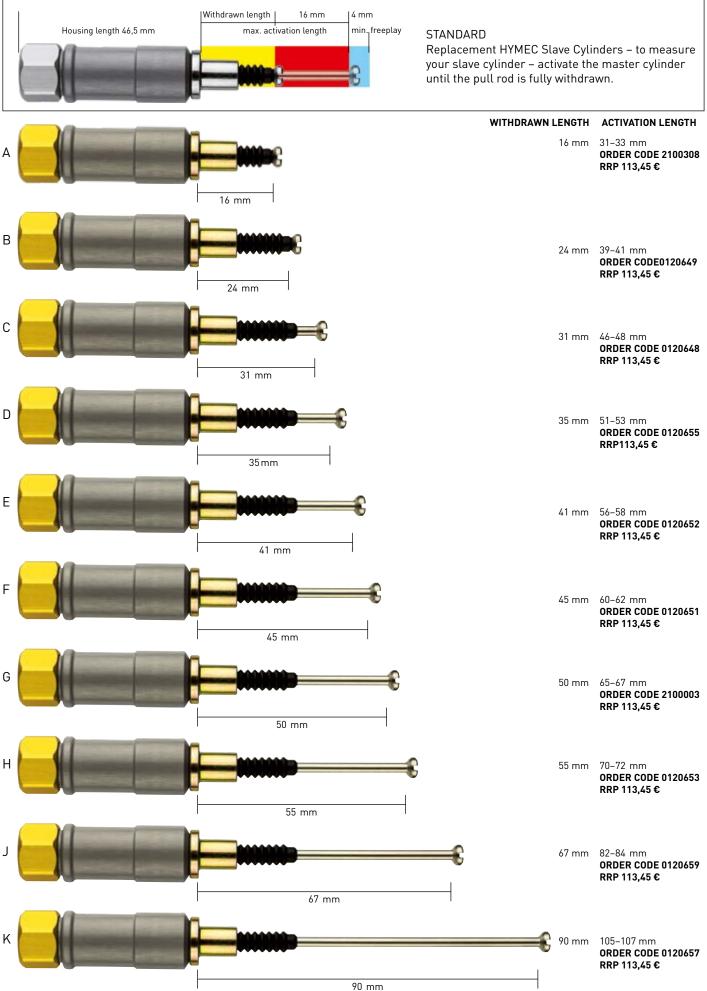
**BMW F 800** 

ORDER CODE 2701697 RRP 26,95 €

Please note – the length you are measuring is not the activation length – the activation length is 16mm longer than the withdrawn length. Following the measurement please do not disregard your old slave cylinder you may require the cap or the support. All of our replacement HYMEC slave cylinders are delivered with the standard cap and standard support as shown in the pictures. If the slave cylinder you require lies between two different activation lengths – always order the longer version and use spacers between the support and the cable attachment to increase the activation length to suit your motorcycle.

### SPECIAL REPLACEMENT HYMEC SLAVE CYLINDERS $\rightarrow$ F 700 GS $\rightarrow$ F 800 GS $\rightarrow$ F 800 R $\rightarrow$ F 800 S STANDARD VARIO → F 800 ST $\rightarrow$ F 800 GT $\rightarrow$ F 650 GS (2-Cylinder) → HUSQVARNA NUDA activation length 57-78 mm ORDER CODE 2100022 70 mm RRP 119,65 € HARLEY SPORTSTER STANDARD BOLT AB 1996 Spacer block for assembly should be removed after installation **ORDER CODE 0722160** RRP 123 60 € BUELL XB-MODELLE 2002 - 2010 STANDARD BOLT Spacer block for assembly should be removed after installation **ORDER CODE 0120624** RRP 119.65 €

### EXAMPLE



### BUILD YOUR OWN HYMEC HYDRAULIC CLUTCH!

HYMEC is the solution for riders with small hands, reduced hand operating force and riders who require a precise clutch activation with a constant pressure point. Due to the number of enquiries we receive for HYMEC systems for motorcycles we have not measured, or have no ready to fit option for, we have completed this double page to assist you in the configuration of a new system. This should enable you to check if the system will fit your motorcycle and which parts list you will require to do so.

The MAGURA HYMEC-System is world renowned as a hydraulic conversion for cable operated mechanical clutch systems. The system is compatible with most clutch activations and offers a direct and constant pressure point. The advantages of this system are well documented in the press and riders forums.

### WHAT DO I NEED TO BUILD A HYMEC FOR MY BIKE?

1. MASTER CYLINDER + 2. SLAVE CYLINDER + 3. PRESSURE LINE, FITTINGS AND OIL + 4. SPECIFIC SPARE PARTS

### 1. MAGURA OFFER 3 MASTER CYLINDER OPTIONS:

Master Cylinder – as the system requires mineral oil and cannot be used with brake fluid the master cylinder should be mineral oil compatible.



HC<sup>1</sup> SLANTED RADIAL MASTER ORDER CODE 2100455 Max. slave stroke: 10 -13 mm\* Full details on page 16

Optional extras on page 48/49



HC<sup>3</sup> FULLY RADIAL MASTER ORDER CODE 2100301 Max. slave stroke: 8 -13 mm\* Full details on page 20

Optional extras on page 50/51

HC<sup>3</sup> - Reservoir, switch and banjo bolt included



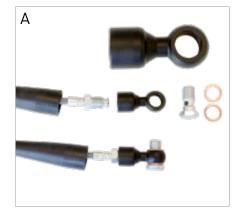
167 AXIAL MASTER Ø 9,5 Street (Light operation) ORDER CODE 0723295 Max. slave stroke: 8-10 mm\* Ø 10,5 Street (Sports clutch) ORDER CODE 2700185 Max. slave stroke: 10-12 mm\* Full details on page 22 167 Street Master – switch, mirror clamp and black street lever included

Optional extras on page 56

### 2. PRESSURE LINE, FITTINGS AND SERVICE-KIT

HC1 - Reservoir, switch and banjo bolt included

	PART DESCRIPTION	ORDER CODE	HC1	HC <sup>3</sup>	167
Α	Radial Pressure Line Adapter	2700499	х	Х	-
в	Pressure Line L=1500 mm cut to size	0722679	x	X	х
в	Pressure Line carbon L=1045 mm fixed length	0722138	X	x	х
в	Pressure Line carbon L=1120 mm fixed length	0722137	x	X	х
С	Banjo Bolt with Bleeder for slave	0722136	x	X	х
D	Service-Kit HYMEC (Fill and Bleed Kit)	0722152	x	X	х









Max. Slave stroke refers to possible max. stroke with lever adjusted to largest reach position.

### **3. SLAVE CYLINDER**

In order to ascertain the correct slave cylinder for your motorcycle you will need to cut the template slave cylinder from this page, fit to the motorcycle and cut to size. If you do not feel qualified to remove the clutch cable please seek assistance from your local motorcycle technician.



STANDARD template 1

### STANDARD

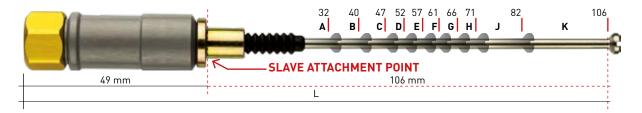
Carefully cut the template out and fit to your motorcycle. The clutch activation arm at the engine should be pushed with your finger as far forward towards the slave cylinder as possible and the template should then be cut at the next longest available point. There are 2 basic forms of slave cylinder attachment: 1. STANDARD cable fitting: Slave template 1 2. REARMOUNT VARIO – Slave template 2

The REARMOUNT VARIO fitting can be adjusted to fit correctly using the rear locknut.



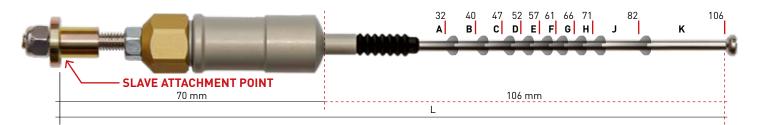
REARMOUNT VARIO template 2

Then compare the number on the template to the list on pages 28/29 to pick the correct slave cylinder. If the slave is too long it can be shortened by placing spacer washers between the slave and the mounting point – if it is too short it will not work correctly. If in doubt choose the longer version.



### REARMOUNT VARIO

Carefully cut the template out and fit to your motorcycle. The clutch activation arm at the engine should be pushed with your finger as far forward towards the slave cylinder as possible and the template should then be cut at the next longest available point. Then compare the number on the template to the list on pages 28/29 to pick the correct slave cylinder – you will also require **ORDER CODE 2100018 REARMOUNT VARIO Kit** to mount the slave from behind. The threaded attachment kit at the rear should allow for sufficient adjustability when installing the slave cylinder.



### POSSIBLE SLAVE CYLINDER DEVIATIONS

Some motorcycle models require a large nipple to attach to the clutch activation arm.



ORDER CODE 2701674

Set with 1x 11 mm and 1x 14 mm

RRP 11,95 €

Some 2 stroke models have the cable fitted beneath an engine casing and require a special 2 stroke bracket.

RRP 26,95 €



ORDER CODE 2701697 2 Stroke Attachment Kit HYMEC Includes Sleeve 15 mm, Sleeve 12 mm, Spacer, disc and O-Ring BEFORE INSTALLING YOUR NEW HYMEC PLEASE DOWNLOAD THE CURRENT HYMEC-MANUAL FROM OUR WEBSITE! HYMEC DOES NOT AFFECT YOUR VEHICLE REGISTRATION.

# MAGURA HAVE BEEN SUPPLYING PARTS TO BMW MOTORCYCLES ON EVERY MODEL SINCE 1923. PERFY MODEL SINCE 1923.

When it comes to control nobody does it better. The experience of over 90 years flows into our aftermarket products to ensure that an upgrade is just that.

....

9

Winideritel

No month

© Scott

### **HYMEC FOR F800**

ORDER CODE	MODEL
2100021	F 800 R, F 800 GS
SUITABLE FOR ALL	(without Handguards),
MODELS FROM 2006	F 800 S/ST, F 800 GT,
TO 2015.	F 650 GS (2 cylinder),
NOT SUITABLE FOR	F 700 GS
2016/17 MODELS.	

Suitable for use with BMW modular hand protectors. Not suitable for use with plastic hand protectors used on the GS Adventure models.



ORDER CODE 2100016

💺 WITH ABE

### REPLACEMENT LEVERS FOR BMW MOTORCYCLE.

MAGURA replacement levers represent an improvement on motorcycles since 1923. The ergonomics, material quality and finish are first class. Tested and approved by the TÜV organisation in Germany these levers meet and surpass the highest standards set for master cylinder operation on a motorcycle. Trust MAGURA to offer the best levers for your bike.

MODELL		YEAR	MODELLCODE	CLUTCH LEVER	<b>BRAKE LEVER</b>	RRP
650/700	F 650 GS	2007 - 2012	K72	Not available	2100016	37,45€
	F 700 GS	2013 - 2015	K72	Not available	2100016	37,45€
800	F 800 GS/Adv	2007 – 2017	K72	Not available	2100016	37,45€
	F 800 GT	2012 - 2017	K71	Not available	2100016	37,45€
	F 800 R	2007 – 2016	K73	Not available	2100016	37,45€
	F 800 S/ST	2007 - 2010	K71	Not available	2100016	37,45€
1200	R 1200 GS/Adv	2003 - 2013	K25	2100017	2100016	je 37,45 €
	R 1200 R	2006 - 2014	K27	2100017	2100016	je 37,45 €
	R 1200 S	2005 - 2009	K29	2100017	2100016	je 37,45 €
	R 1200 ST	2004 - 2008	K28	2100017	2100016	je 37,45 €
	HP2 Enduro	2005 - 2007	K25HP	2100017	2100016	je 37,45 €
	HP2 Megamoto	2007 – 2010	K25/03	2100017	2100016	je 37,45 €
	HP2 Sport*	2007 - 2010	K29HP	0722112	0722202	je 34,30 €
	K 1200 S	2005 - 2009	K40	2100017	2100016	je 37,45 €
	K 1200 R	2005 - 2009	K43	2100017	2100016	je 37,45 €
	K 1200 R Sport	2005 - 2009	K43	2100017	2100016	je 37,45 €
	K 1200 GT	2005 - 2009	K44	2100017	2100016	je 37,45 €
1300	K 1300 S	2009 - 2015	K40	2100017	2100016	je 37,45 €
	K 1300 R	2009 - 2013	K43	2100017	2100016	je 37,45 €
	K 1300 GT	2009 - 2012	K44	2100017	2100016	je 37,45 €

\*This lever is not pictured on this page -

please see 195 Radial Master Cylinder (on page 55)



MODEL	YEAR
K1	1988 – 1993
K 1100 RS	1991 – 1996
K 1100 LT	1991 – 1998
R 850 R	1994 - 2001
R 850 GS	1998 - 2000
R 1100 RS	1993 – 2001
R 1100 GS	1994 – 1999
R 1100 R	1994 – 1999
R 1100 RT	1995 – 2001

ORDER CODE 2701122 RRP 54,95 €

### REPAIR-KIT 288 (20 MM)

The repair kit 288 is suitable for all 20 mm master cylinders which began production with the first BMW K1 model and were also used in the first 4V 1100cc boxer models up to the introduction of the 1150 range. This kit includes all you require to repair a model 288 master cylinder. Before ordering please ensure that the cylinder is not internally scratched or worn.

### APPROVED BY SIMON PAVEY, TOMM WOLF, BMW OFF-ROAD INSTRUCTORS



R 1200 GS LC Adventure
R 1200 R LC
R 1200 RT LC
R 1200 RS
R nineT
Not suitable for application on models Pure, Racer, Scrambler or Urban G/S

Suitable for use on:

• R 1200 GS LC

### UPGRADE YOUR BMW WITH MAGURA PERFORMANCE PARTS

The new BMW R-models have established the benchmark in the Adventure-, Touring- and Urban category. How do you improve the best motorcycle controls available? Easy with MAGURA Performance Parts! To celebrate 90 years in the search for perfect control on a motorcycle we have prepared an upgrade kit for your new BMW Motorcycle with two optional elements.

MAGURA Performance Parts will add value to your motorcycle. They are designed to stand the test of time and can be ordered and fitted separately or together as you wish. The materials used are lightweight, extremely durable and strong. Each product contains 90 years of motorcycling know-how combined with our passion for perfection.



ORDER CODE 2100546 RRP 299,95 €

Fold Away Lever Kit | Fold levers with position detent lock and reach adjust selector are machined from top grade aluminium. Fully ABE tested and approved.

CNC Reservoir Cover Kit | Honed from top grade aluminium this kit will add optically to your new BMW. Reservoir breather remains fully functional and an optional fluid level sight glass protector is included just in case you intend to use the bike to cross continents.

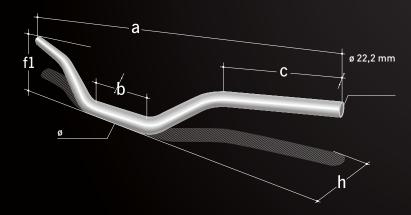
ORDER CODE 2100547 RRP 199,95 €



### AGURA HANDLEBARS INTERNET A MM THE SPECIAL ONE

Light
Ergonomically designed
Robust
Reduced rider fatigue

## K-INE HANDLEBARS



MODEL	COLOUR	DIMENSIONS IN MM						ORDER CODE	RRP
		а	b	С	fl	h	Ø		
AX2 Big-Enduro Handlebar	Silver	827	134	230	206	100	28,6	0723198	146,15€
MX2 Motocross, Supermoto	Silver	808	135	189	119	77	28,6	0721245	119,65€
CX »Street«	Silver	805	135	200	117	76	28,6	0723050	119,65€
EX Enduro	Silver	795	135	186	120	87	28,6	0721053	119,65€
SX Supercross, Supermoto, Motocross	Silver	808	135	189	120	63	28,6	0721055	119,65€
TX Touring	Black	797	139	217	138	97	28,6	0723248	121,70€
FX Streetfighter	Black	750	137	210	98	107	28,6	0723247	121,70€
SX »Street«	Black	808	135	189	120	63	28,6	0723221	119,65€
CPX – Chris Pfeiffer Edition	Black	797	131	231	113	76	28,6	0723283	121,70 €
RBX – Rok Bagoros Edition*	Black	792	116	231	112	74	26	2701776	129,95€

ALT

\* Clamp Diameter 26 mm. Only suitable for KTM Duke models with 26 mm handlebar clamp dimension.

THE BULGED ALLOY HANDLEBARS FROM MAGURA: LIGHT, STABLE, REDUCED RIDER FATIGUE! BALL BURNISHED FINISH FOR INCREASED LIFETIME DURABILITY. MAGURA-QUALITY HANDLEBARS ARE TÜV APPROVED. PATENTED: US 5,950,497

MANUFACTURING PROCESSES

PATENTED

**ERGONOMIC SHAPE** JOINT-PROTECTING **HIGH-STRENGTH ALUMINIUM** 

#### 2014/2015/2016 **TECHNICAL PARTNER TEAM HRC DAKAR -**HANDLEBAR SUPPLIER

#### ACCESSORIES



X-line fork clamp kit for bikes with split clamp. Screw M 10 x 70, with bushings.

#### **OFF-ROAD**

ORDER CODE 0720474 RRP 55,64 €



bridges. Fits HONDA, YAMAHA, SUZUKI etc., hole distance 32–36 mm. Allows fitment of 28,6 mm tapered handlebar into a , standard 22 mm clamp.

#### **OFF-ROAD**

ORDER CODE 0720488 RRP 55,64 €

MAGURA-Barpad,

**OFF-ROAD** 

ORDER CODE

RRP 27,05 €

0723058

Black X-line"Street" clamp kit for bikes with split clamp (complete). Screw M 10 x 70, with bushings.

•

#### **ON-ROAD**

ORDER CODE 0723270 RRP 109,25 €



Black X-line"Street" clamp kit for 22 mm clampconversion, clamping range 32-36 mm. Allows fitment of 28,6 mm tapered handlebar into a standard 22 mm clamp.

#### **ON-ROAD**

ORDER CODE 0723271 RRP 121,70 €







#### 73 SPORT BRAKE LEVER

Sport brake lever for mechanical brakes (drum brakes). Light weight forged alloy black split perch clamp and polished Eurostyle ball-end blade, 160 mm long, Ø 8.2 mm hole for rearview mirror.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
B-lever 73.2	Thread 1/4" for brake light switch (0128496)	Nipple barrel, solder nipple, adjusting screw and protective cap	0116933	48,45€

Technical data: Cable pull 20 mm | thread M7 for adjusting screw



#### 73.202 SPORT BRAKE LEVER DUAL PULL

Sport brake lever for mechanical brakes (twin drum brakes). Light weight forged black split perch clamp and polished ball-end lever, 160 mm long, Ø 8.2 mm hole for rearview mirror.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
B-lever 73.202	Dual-cable pull, with equalizer, to operate two drum brakes	Soldernippel	0116934	99,95€

Technical data: Cable pull 20 mm | thread M7 for adjusting screw



#### 74 SPORT CLUTCH LEVER

Sport clutch lever, light weight forged alloy black split perch clamp and polished, Eurostyle ball-end blade, 160 mm long,  $\emptyset$  8.2 mm hole for rearview mirror

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
C-lever4.1	Cable pull 20 mm at 3.9 ratio, HUSQVARNA, KTM, MAICO etc.	Nipple barrel, solder nippel, adjusting screw and protective cap	0116940	48,45€

Technical data: Cable pull 20 mm | lefthand thread M7 for cable adjusting screw



#### **PROTECTION CAP SET**

Protection cap set for 73 Sport brake lever and 74 Sport clutch lever

MODEL	DESCRIPTION/APPLICATION	ORDER CODE	RRP
Protection cap set 73/516 ksz	Protection cap set for 73 Sport brake lever and 74 Sport clutch lever	0735083	11,90€



#### **101 CLUTCH LEVER**

Clutch lever with clamp for tube-Ø 22 mm, with thread M6 for adjusting screw or supporting hole Ø 6.5 mm for cable.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
C-lever 101.2.9	Black shank with thread for adjusting screw, black fibre reinforced lever blade, SPARTA	Adjusting screw, barrel, nipple	0117380	23,95€
C-lever 101.4.8	Black shank with thread for adjusting screw, polished aluminium lever blade with stop notch	Barrel, nipple, s-nipple	0117421	30,45€
C-lever 101.7.9	Black shank with supporting hole and thread for switch, black fibre reinforced lever blade with pull back spring, PUCH, TOMOS	Barrel, nipple	0117496	23,95€
C-lever 101.8.9	Black shank with thread M 6 and thread for switch, black fibre reinforced lever blade with pull back spring	Adjusting screw, barrel, nipple	0117514	26,95€

Technical data: Cable pull | 18 mm, length of lever blade 125 mm, blade with ball end Ø 18 mm



#### 108 BRAKE LEVER

Brake lever righthand for tube-Ø 22 mm, cable supporting hole, alloy lever blade or reinforced fibre lever blade.

MODEL	DESCRIPTION/APPLICATION	ORDER CODE	RRP
B-lever 108.4.9	Righthand, black fibre reinforced lever blade, thread for brake light switch, pull back spring, supporting hole	0119570	26,95€

Technical data: Cable pull | 18 mm



#### **DECOMPRESSION LEVER**

Decompression lever, shank Ø 22 mm with supporting hole Ø 6.7 mm, cable fixing with clamp screw, cable pull 16 mm.

MODEL	DESCRIPTION/APPLICATION	ORDER CODE	RRP
Lever 12	Decompression lever, shank Ø 22 mm with supporting hole Ø 6.7 mm, cable fixing with clamp screw	0111370	22,80 €

Technical data: Cable pull | 16 mm



#### 225 HYDRAULIC BRAKE AND CLUTCH LEVER Features and benefits

Hydraulic brake and clutch lever, black painted housing with a (22 mm) clamp, polished alloy lever, thread for brake light switch and hole Ø 8.1 mm or thread M8 for rear-view mirror, thread M10 x1, plastic brake fluid reservoir. Obtainable as righthand and lefthand model. Fitting brake and clutch switch see page 61

MODEL	PISTON Ø IN MM	DESCRIPTION/APPLICATION	ORDER CODE	RRP	
BRAKE					
B-lever 225.2	13	Polished lever, hole-Ø 8.1 mm for mirror	0122000	123,95€	
B-lever 225.4 16		Polished lever, hole-Ø 8.1 mm for mirror	0122020	123,95€	
CLUTCH					
C-lever 225.52	13	Polished lever, hole-Ø 8.1 mm for mirror	0122110	123,95€	
C-lever 225.54	16	Polished lever, hole-Ø 8.1 mm for mirror	0122130	123,95€	

Technical data: Stroke | 12 mm



#### **THROTTLE TWIST GRIP WITH MECHANICAL BRAKE 233**

Single cable pulley throttle grip with mechanical brake lever. The throttle cable guide is open to enable external cable attachment. Folded and polished alloy lever.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
Throttle twist grip 233.2.8	Housing painted black, grip black, folded and pol- ished alloy lever. Suitable for Batavus, Hercules, Kreidler, Puch and Zündapp models.	Barrel, nipple and solder nipple	2100541	46,95€

Technical Data: Cable pull | throttle 22 mm at a rotation of 75°, brake 18 mm



#### 273 THROTTLE TWIST GRIP WITH MECHANIC BRAKE

Straight pulleye throttle twist grip with brake lever blade, one cable pull (possibility for outer attachment), black painted housing with supporting hole  $\emptyset$  6.5 mm or adjusting screw for cable, polished alloy lever or fibre reinforced lever blade with or without pull back spring, sliding clamp for screwing or for solder nipple.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
Throttle twist grip 273.6.8	Black housing with thread for brake light switch, sliding clamp, PUCH	Barrel, nipple	0123953	72,45€
Throttle twist grip 273.6.8	As above, but without accessories	-	0123954	68,95€

Technical data: Cable pull | throttle 21 mm at a rotation of 104°, brake 18 mm



#### **307 THROTTLE TWIST GRIP**

Outer pulley throttle twist grip, single cable pull, straight cable up to 38 mm stroke, polished aluminium housing with trap door cover and adjusting screw for twist regulation, cable protection cover.

MODEL	DESCRIPTION/APPLICATION/VERWENDUNG	ACCESSORIES	ORDER CODE	RRP
Throttle twist grip 307.1	For general using	Solder nipple, grub screw, cable protection cover	0125600 B	91,95€

Technical data: Total stroke | 46 mm at a rotation of 115° for handlebars Ø 22 mm and 7/8"



#### **309 THROTTLE TWIST GRIP**

Throttle twist grip, one cable pull, with big rotation, two part housing of reinforced poly-carbon, protective sleeve.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
Throttle twist grip 309.1	With grip "Street", SIMSON, SACHS, KTM, ZÜNDAPP	Cable support, cap, solder nipple	0126003	39,95€

Technical data: Total stroke | 50 mm at a rotation of 213°





#### **314 THROTTLE TWIST GRIP**

Motocross throttle twist grip with single cable, parallel pull. DUO-settings (Motocross or Enduro). Cable routed over roller for ease of pull. Black reinforced poly carbon housing, pro-grid rubber grip, quick and easy cable change, without removing housing. Can be changed to enduro setting.

MODEL	DESCRIPTION/APPLICATION	ACCESSORIES	ORDER CODE	RRP
Throttle twist grip set 314/029	In Motocross setting, with matching left grip	Solder nipple, rubber cable cover	0730218	56,00€
Throttle twist 314	In Motocross setting without matching left grip	Solder nipple, rubber cable cover	0126386	47,95€

Technical data: Total stroke | 48 mm at a rotation of 103°/91°



#### **317 ELECTRIC THROTTLE TWIST GRIP**

Housing made of glass-fibre reinforced plastics for tube-Ø 22 mm. Overall lenght 150 mm, max. current-carrying capacity 1 Watt, resistor and range of control of the potentiometer see below. Outer diameter of connection cable-Ø 6 mm, cable up to 3 seeles.

MODEL	DESCRIPTION/APPLICATION	ORDER CODE.	RRP
Throttle twist grip/ Poti 317.2	5 kOhm-potentiometer, working rate 0–5 kOhm, cable length 800 mm	0026471	65,50 €
Throttle twist grip/ Poti 317.4	5 kOhm-potentiometer, working rate 0–5 kOhm, cable length 1800 mm	2101014	65,50 €
Throttle twist grip/ Poti317.9	5 kOhm-potentiometer, working rate 0–5 kOhm, cable length 225 mm, with Molex-plug, for MuZ-Scooter "Charly"	2101015	65,50€

Technical data: Rotation angle 75°



#### 700 MASTER BRAKE CYLINDER

Master brake cylinder for foot controlled rear disc brakes, tubing fitting M 10x1 to the brake calliper, without brake fluid reservoir, fitting for tubing connection to an external brake fluid reservoir.

MODEL	PISTON Ø IN MM	DESCRIPTION/APPLICATION	ORDER CODE	RRP
Master brake cylinder 700.33	16	Chrome painted housing, EML, KTM	0131411	140,45€

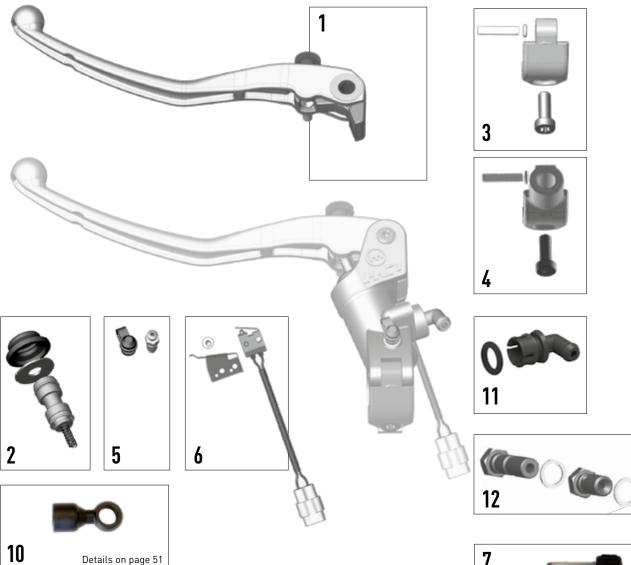
Technical data: Stroke | 12 mm



0

100% performance
100% precise fitment
100% flexible
100% MAGURA-quality

**HC<sup>1</sup> CLUTCH MASTER** 



Details on page 51

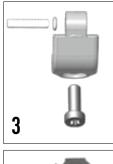
POSITIO	n description/application	ORDER CODE	RRP
1	Clutch lever assembly large L = 180 mm	2701156	34,30€
	Piston kit Ø12 mineral oil	0723234	33,30€
	Piston kit Ø13 mineral oil	0722110	33,30€
2	Piston kit Ø12 DOT	0722211	33,30€
	Piston kit Ø13 DOT	0722210	33,30€
	Piston kit Ø16 DOT	0722209	33,30€
3	Mounting bracket	2701161	12,45€
4	Mirror mounting bracket M10 x 1,25	2701162	22,30 €
5	Bleeding valve M5 x 0,8	0722214	12,45 €
6	Start safety switch	2701168	31,20€
7	Clutch reservoir 9 ml flange mount for mineral oil (compatible with HYMEC)	2700787	36,50€
8	Clutch reservoir 9 ml remote mount for mineral oil	2700492	41,20€
9	Clutch reservoir 9 ml remote mount for DOT	2700491	41,20€
10	Radial Pressure Line Adapter Adapter converts banjo ring from axial to radial connection avoid- ing the requirement for a new brake or clutch pressure line. Suitable for brake and clutch applications Suitable for application with MAGURA HYMEC pressure lines	2700499	36,05€
11	Stutzen mit O-Ring für DOT Stutzen mit O-Ring für Mineralöl	2701678 2701677	12,95 € 12,95 €
12	Hohlschraube M10 x 1 Doppel-Hohlschraube M10 x 1 Beinhaltet Dichtringe	0721786 0721789	10,80€ 10,80€





#### SERVICE

#### **HC<sup>1</sup> BRAKE MASTER**



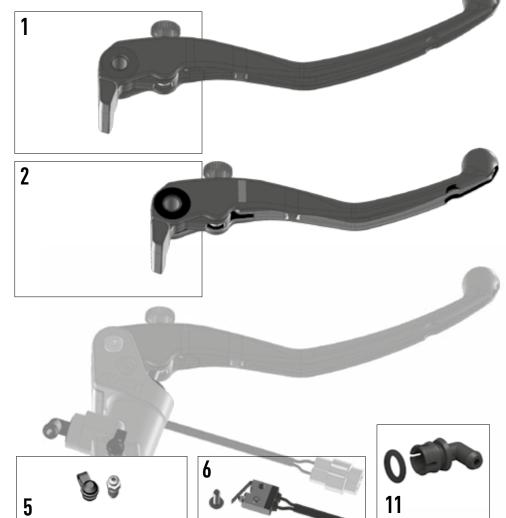






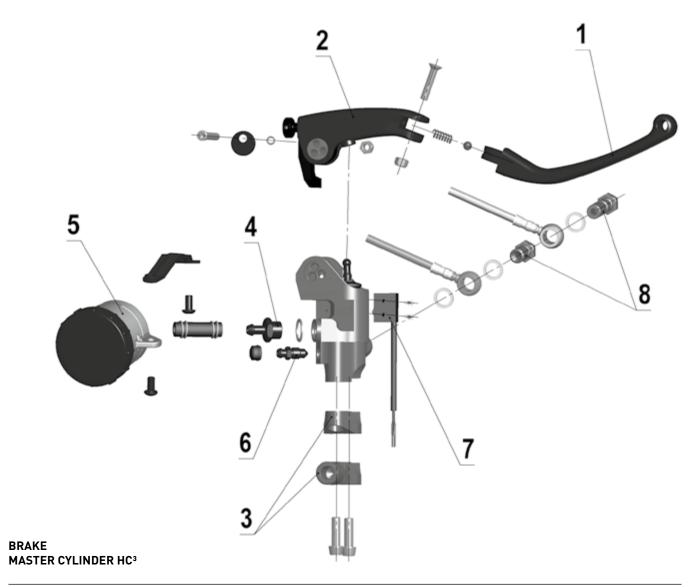


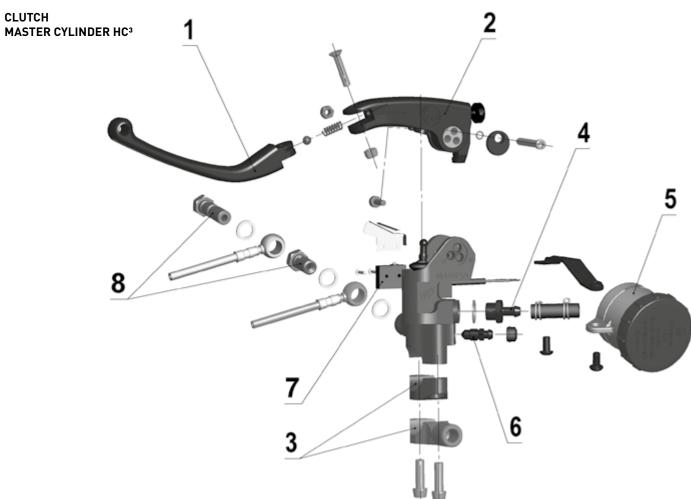
To obtain the full performance from your HC master you will need to return it to MAGURA or to a certified service partner to have it serviced. We recommend a service every 100,000 km or 10 years.





POSITION	DESCRIPTION/APPLICATION	ORDER CODE	RRP
1	Brake lever assembly large L = 180 mm	2701157	34,30 €
2	Brake lever assembly large L = 155 mm	2701158	34,30 €
3	Mounting bracket	2701161	12,45 €
4	Mirror mounting bracket M10 x 1,25	2701162	22,30 €
5	Bleeding valve M5 x 0,8	0722214	12,45 €
6	Brake light switch	0722213	30,70 €
7	Brake reservoir16 ml flange mount for single calliper brake systems	2700786	36,50€
8	Brake reservoir 36 ml remote mount for double calliper brake systems	2700488	41,20€
9	Brake reservoir 9 ml remote mount for single calliper brake systems	2700490	41,20€
10	Radial Pressure Line Adapter Adapter converts banjo ring from axial to radial connection avoiding the requirement for a new brake or clutch pressure line. Suitable for brake and clutch applications Suitable for application with MAGURA HYMEC pressure lines	2700499	36,05€
11	Socket with O-Ring for DOT	2701678	12,95€
12	Banjo Connector M10 x 1 Double Banjo Connector M10 x 1 Includes gasket washers	0721786 0721789	10,80 € 10,80 €





#### SERVICE

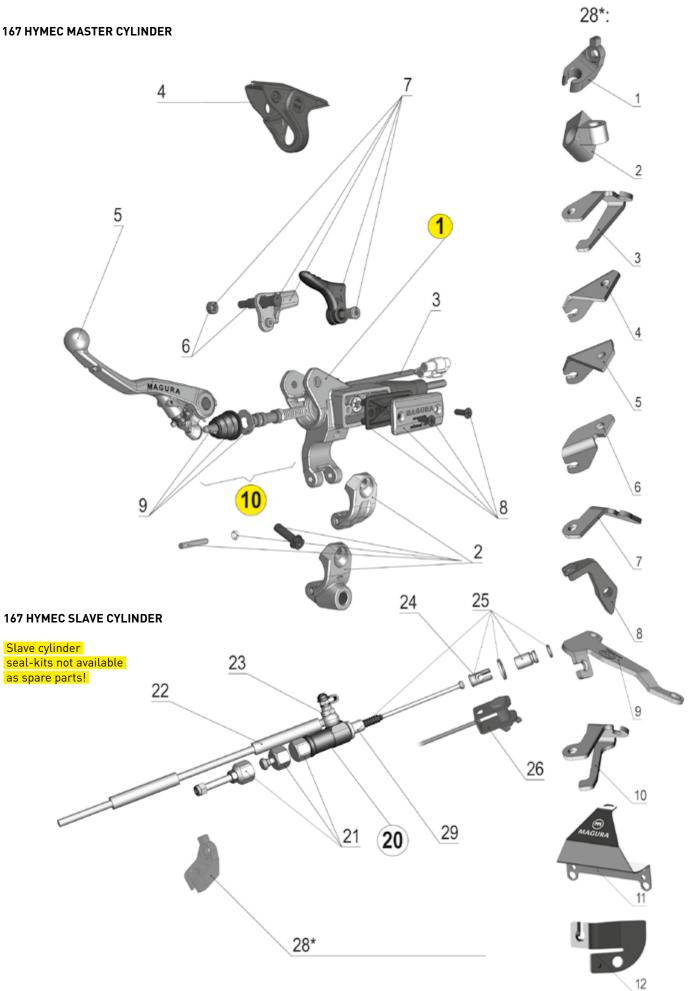
To obtain the full performance from your HC master you will need to return it to MAGURA or to a certified service partner to have it serviced. We recommend a service every 100,000 km or 10 years.





#### HC<sup>3</sup> | OPTIONAL AND SPARE PARTS



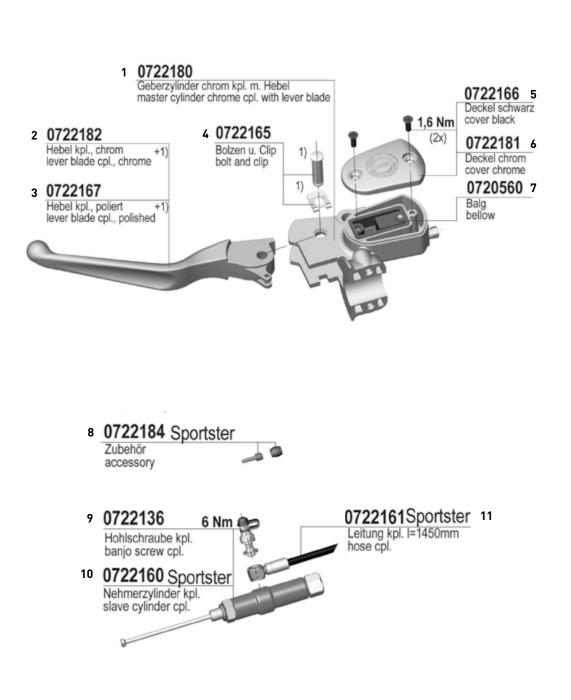


#### **167 HYMEC SPARE PARTS**

POSITION	MODEL	ORDER CODE	RRP
	Master cylinder*	Page 22/23	
	Clamp black	2700176	15,60€
	Clamp black for threaded mirror mount M10 x 1.25 mm	2700177	20,80€
	Clamp black for threaded mirror mount M10 x 1.5mm (BMW F 800 HYMEC) All supplied with fitting pin and retaining bolt	2700385	20,55€
	Clutch switch Clutch switch BMW F 800 HYMEC	0723187 2700384	41,60€ 41,20€
	Protection cover for lever without choke lever	0723163	10,90€
	Protection cover for lever with choke lever	0723202	10,70€ 10,90€
	Lever Off-Road clutch silver long $L = 146 \text{ mm}$	0723290	33,30€
	Lever Off-Road clutch silver short L = 123 mm	0723121	33,30€
	Lever Street clutch black L = 163 mm	0723296	36,40€
	Lever Street clutch silver L = 163 mm	2700244	36,40€
	Screw for lever without deco	0723115	5,15€
	Deco lever black Hot start lever red	0723189 0723188	17,65 € 17,65 €
	Reservoir cover for mineral oil use with bellow and screws	2700501	18,50€
	Reservoir cover for DOT use with bellow and screws	2700215	18,50€
	Bellows with push rod and washer	0723116	5,70€
	Master piston-Ø 9,5 mm mineral oil	0723184	33,30€
)	10,5 mm mineral oil	0723185	33,30€
	12 mm mineral oil	2700489	36,05€
)	Slave cylinder		
1	HYMEC slave rear cap kit includes STANDARD, REARMOUNT and REARMOUNT VARIO cap options		29,95€
	Pressure line kit CARBON with accessories L = 1.120 mm	0722137	34,85€
2	Pressure line kit CARBON with accessories L = 1.045 mm Pressure line kit ARAMID (cut to size) with accessories L = 1.500 mm		34,85 € 30,70 €
}	Banjo bolt with bleeding valve for carbon tubings M 6x16.5 mm	0722136	26,00€
	Nipple Adapter Kit includes 11 and 14 mm attachment nipple adapter		11,95€
5	HYMEC- Slave attachment kit includes 12 and 15 mm 2-stroke adapter sleeve with o-ring, spacer washer and nipple adapter.		26,95€
5	Clutch activation arm adapter (suitable for Suzuki motorcycles)	2701695	34,95€
	1. Mounting adapter Suzuki RM-Z 250, Model year 2004-2008	2701682	44,95€
	1. Mounting adapter Kawasaki KXF 250, Model year 2004-2008	2701682	44,95€
	2. Mounting adapter Honda CRF 450 R, Model year 2004	2701681	44,95€
	3. Mounting adapter Kawasaki KX 450 F, Model year 2006	2701685	29,95€
	4. Mounting adapter Honda CRF 450 R, Model year 2004-2009	2701686	29,95€
	5. Mounting adapter Suzuki RM-Z 250, ab Model year 2009	2701683	29,95€
	6. Mounting adapter Suzuki RM-Z 450, ab Model year 2009	2701684	29,95€
	7. Mounting adapter Kawasaki KX 450 F, ab Model year 2009	2701687	44,95€
	8. Mounting adapter Honda CRF 250 F, ab Model year 2014	2701690	29,95€
	9. Mounting adapter Honda CRF 450 R, Model year 2015	2701692	29,95€
	10. Mounting adapter Kawasaki KX 450 F, Model year 2015	2701691	29,95€
	11. Slave Protection Kawasaki KX 450 R, ab Modeljahr 2016	2701694	44,95€
	12. Mounting adapter Honda CRF 450 R, Model year 2017	2701696	29,95€
	MAGURA-Blood 100 ml - F/NL	2700818	9,35€
1	MAGURA-Blood 1 l - F/NL	2700819	45,75€
,	MAGURA-Blood 100 ml - D/E	0721820	9,35€
	MAGURA-Blood 1l - D/E	0721821	45,75€
	Service-Kit HYMEC 0722152 2		22,65€

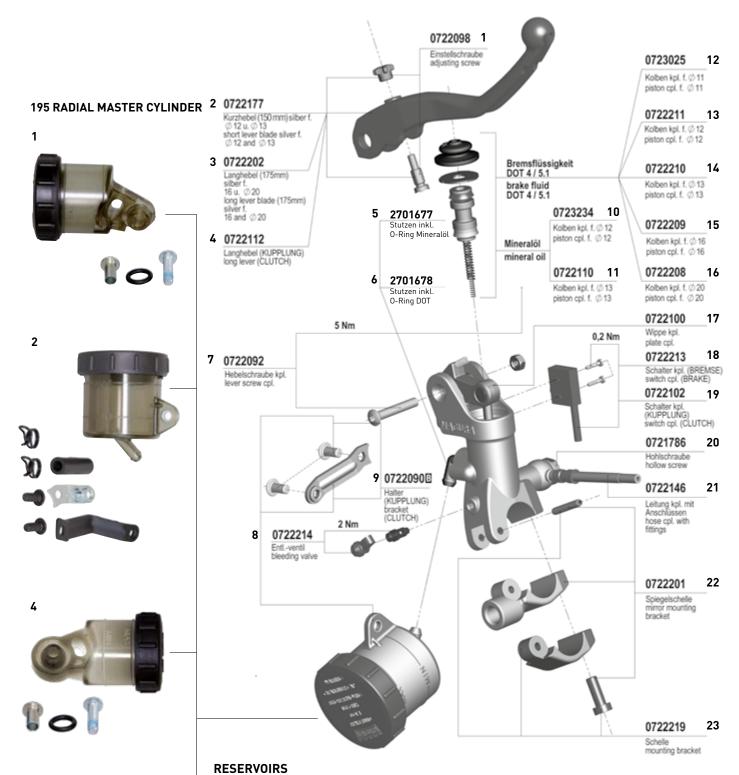


#### HYMEC FOR HARLEY



POSITION	RRP
HYMEC	
1	307,45 € 🖪
2	77,25 € 🖪
3	41,20 € 🖪
4	12,35 € 🖪
5	22,65 € 🖪
6	49,40 € 🖪
7	7,25 €
8	8,50 € 🖪
9	26,00€
10	123,60 € 🖪
11	46,35 € 🖪
RADIAL G	EBERZYLINDER
1	9,35 €

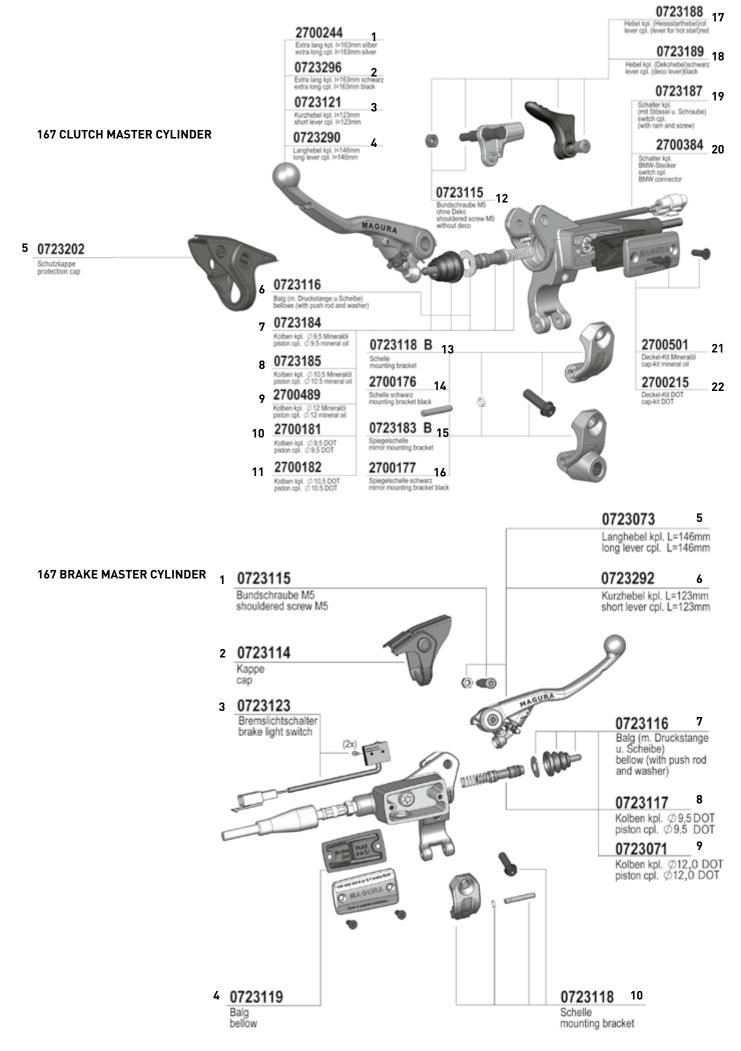
1	9,35 €
2	34,30 €
3	34,30 €
4	34,30 €
5	12,95€
6	12,95€
7	6,20€
8	12,45€
9	14,55€
10	33,30 €
11	33,30 €
12	33,30 €
13	33,30 €
14	33,30 €
15	33,30 €
16	33,30 €
17	20,80 €
18	30,70 €
19	31,20€
20	10,80 €
21	84,25€
22	17,15€
23	12,45€



3 + 5 + 6



POSITION	MODEL	DESCRIPTION/APPLICATION	ORDER CODE	RRP
1	195 Brake reservoir	16 ml flange mount for single calliper brake systems	2700786	36,50€
2	195 Brake reservoir	36 ml remote mount for double calliper brake systems	2700488	41,20€
3	195 Brake reservoir	9 ml remote mount for single calliper brake systems	2700490	41,20€
4	195 Clutch reservoir	9 ml flange mount for mineral oil (compatible with HYMEC)	2700787	36,50€
5	195 Clutch reservoir	9 ml remote mount for mineral oil	2700492	41,20€
6	195 Clutch reservoir	9 ml remote mount for DOT	2700491	41,20€



#### **SPARE PARTS FOR 190 MASTER CYLINDER**

#### **CLUTCH MASTER CYLINDER**

POSITION RRP

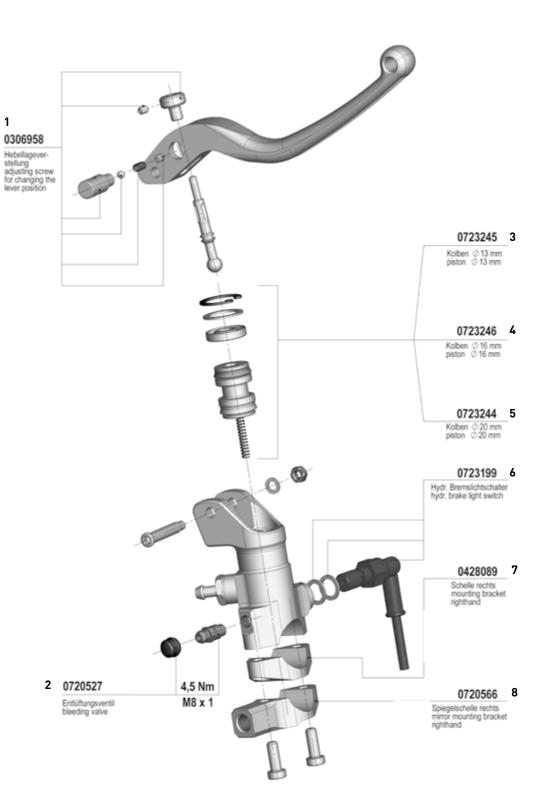
1	36,40 €
2	36,40 €
3	33,30 €
4	33,30 €
5	10,90 €
6	5,70 €
7	33,30 €
8	33,30 €
9	36,05€
10	36,05 €
11	36,40 €
12	5,15 €
13	15,60 €
14	15,60 €
15	20,80 €
16	20,80 €
17	17,65 €
18	17,65 €
19	41,60 €
20	41,20€
21	18,50 €
22	18,50 €

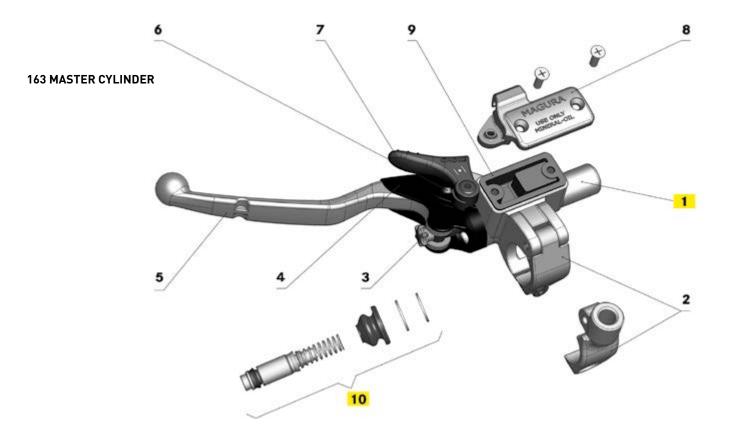
## BRAKE MASTER CYLINDER 1 5,15 € 2 16,75 € 3 34,30 € 4 10,25 €

4	10,25 €
5	39,50 €
6	33,30 € 🖪
7	5,70 €
8	34,40 €
9	34,40 €
10	15,60 €

#### RADIAL MASTER CYLINDER

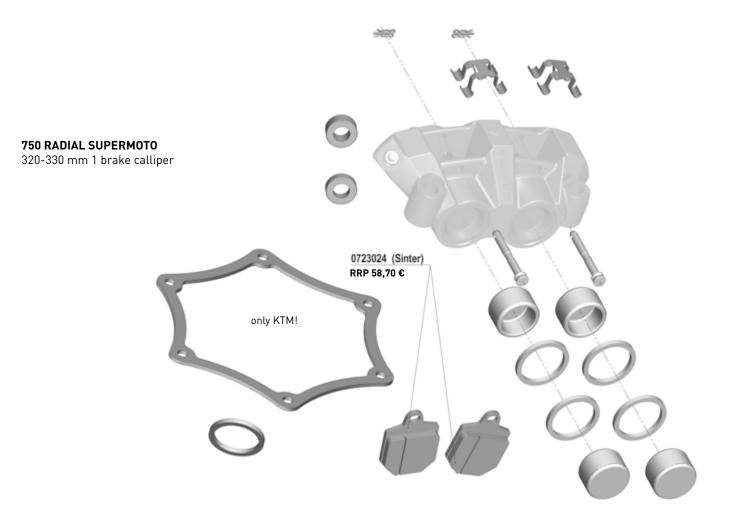
1	41,60€
2	8,30€
3	96,75€
4	96,75€
5	96,75 €
6	30,15 €
7	69,70€
8	72,80 €

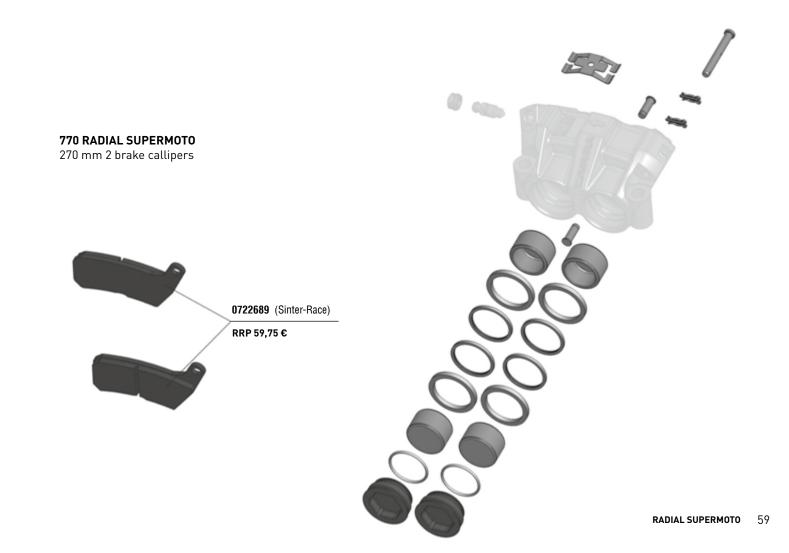




#### 163 MASTER CYLINDER SPARE PARTS

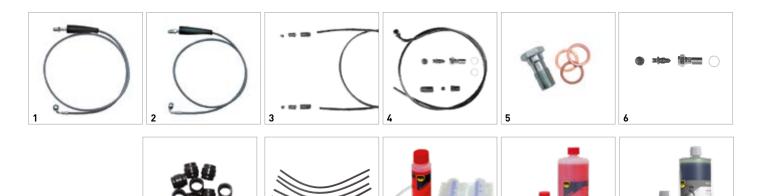
POSITION	MODEL	ORDER CODE	RRP
I	Master cylinder - for replacement options see 167 master	Page 22/23	
	Clamp with spiral spin	0720546	11,95€
2	Clamp for threaded mirror mounting M 10x1.25 mm	0720543	19,75€
	Clamp schwarz for threaded mirror mounting M 10x1.25 mm	0722026 🗉	19,75€
3	Adjuster wheel for lever, red (packaging unit 10 pcs.)	0720572	44,15€
<b>i</b>	Protection cover for lever	2701680	9,25€
	Long lever blade with accessories and coil spring l = 147 mm	0720598	27,05€
5	Short lever blade with accessories and coil spring l = 123.5 mm	0720600	27,05€
	Special lever blade f. master cylinders with bigger space l = 152 mm	0722021	29,10€
5	Screw for lever	0720504 🗈	8,65€
	Deco lever black	0720552	8,30€
7	Choke lever black	0722118	9,35€
	Choke lever red	0722312	9,35€
	Cover without deco-/choke lever	0720544	10,35€
	Cover with thread for deco lever	0720553	17,65€
8	Cover with hole for deco lever	0720559	17,65€
	Cover for choke lever	0722139	20,80€
	Cover black without deco-/choke lever	0720500 🗈	12,45€
<u> </u>	Reservoir membrane for mineral oil	0720560	7,25€
9	Reservoir membrane for DOT	2701679	7,25€
	Master piston Ø		
	9,0mm Mineral oil	0722027	28,05€
10	9,5mm Mineral oil	0720555	28,05€
	10,5 mm Mineral oil	0720499	28,05€
	9,5mm DOT	0723293	28,05€
	10,5 mm DOT	0720525	28,05€





#### HYDRAULIC ACCESSORIES

MODEL	DESCRIPTION/APPLICATION	ORDER CODE	RRP
CARBON TUBINGS			
Carbon tubing kit	For HYMEC, length 1,045 mm	0722138	34,85€
Carbon tubing kit	For HYMEC, length 1,120 mm	0722137	34,85€
Banjo bolt	With bleeding valve M 6x16.5 mm for HYMEC	0722136	26,00€
STEEL BRAIDED HOSES			
Steel braided hose	For MAGURA Brake System 750.1, length 1,185 mm, DOT	0722146	84,25€
Steel braided hose	Length 1,025 mm	0722004	52,00€
Steel braided hose	KTM 4-Stroke Racing, length 975 mm	0722005	52,00€
Steel braided hose	KTM LC8, length 1,140 mm	0722015	52,00€
Steel braided hose	KTM LC4, length 1,025 mm	0722016	52,00 €
Steel braided hose	Husaberg, length 1,020 mm	0722023	52,00 €
Steel braided hose	KTM 250/380, length 970 mm	0722057	52,00€
Steel braided hose	KTM 2-Stroke 125/200, length 970 mm	2701665	44,20€
Banjo bolt	To fix the clutch tubing with thread M10x1, inclusive bleeding screw	0720505	16,60€
Banjo bolt	For single brake line, without bleeding valve, M10 x1	0721786	10,80€
Banjo bolt	For two line fittings, M10 x1	0721789	10,80€
PA-TUBINGS			
PA-tubing kit	Length 1,025 mm	0131890	44,20€
PA-tubing kit	With protection tube, length 1,045 mm	0131893	29,65€
PA-tubing kit	KTM 65/85 SX, with protection tube, length 910 mm	0131894	24,45€
PA-tubing kit	KTM 4-Stroke Racing, length 975 mm	0720551	53,55€
PA-tubing kit	For HYMEC, length 1,500 mm, shortable	0722679	30,70€
Olive/packing unit 10 pcs.	To fix the clutch tubing in the sleeve screw 0720548	0720308	20,50€
Banjo bolt	For HYMEC-versions with PA-tubing	0722136	26,00€
Hose Kit EPDM – Pack of 5	Extension hose for brake fluid use to connect a MAGURA brake fluid reservoir to our HC1 and HC3 radial master cylin- ders. Length 400 mm – pack includes 5 hoses.	2701521	31,00€
SERVICE-KITS			
Service-Kit HYMEC	Contains everything you need to refill MAGURA's HYMEC	0722152	22,65€
MAGURA-Blood 100 ml - F/NL	High quality hydraulic mineral based oil for HYMEC	2700818	9,35€
MAGURA-Blood 1 l - F/NL	High quality hydraulic mineral based oil for HYMEC	2700819	45,75€
MAGURA-Blood 100 ml - D/E	High quality hydraulic mineral based oil for HYMEC	0721820	9,35€
MAGURA-Blood 1l - D/E	High quality hydraulic mineral based oil for HYMEC	0721821	45,75€
MAGURA Royal Blood 100 ml	High quality hydraulic mineral based oil for hydraulic clutch systems	0721630	6,50€
MAGURA Royal Blood 1 l	High quality hydraulic mineral based oil for hydraulic clutch systems	0721631	33,50€



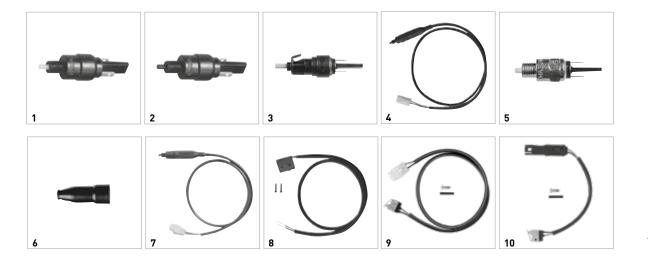


#### MAGURA ANTIBUG: KEEPING YOUR VISION CLEAR

PIECE	DESCRIPTION/APPLICATION	ORDER CODE	RRP
1	With its new Antibug visor cleaning sponge, MAGURA has a chemical-free alternative to keep your helmet visor free from insects and dirt.	2701163	6,00€

#### SWITCHES

MODEL	DESCRIPTION/APPLICATION	ORDER CODE	RRP
Switch 558.61	On in paused position, white pusher, micro-switch with spring, for thread 1/4"	0128496	10,95€
Switch 558.12	Off in paused position, black pusher, for thread 1/4", start safety switch for MAGURA-model 163	0128500	10,95€
Switch 558.51	On in paused position, pluggable, blue pusher, for MAGURA-models 116/117, for Suzuki and Simson scooters	0128510	10,95€
Switch 163 🖪	For Yamaha XT 660 – HYMEC, cable length 620 mm	0306938	28,60€
Switch 558.34	On in paused position, white pusher, for thread M 8x1	2701689	10,95€
Switch 701	Hydraulic brake light switch	0723199	30,15€
Protection cover 558	For all switch models 558 small inner-Ø 3.6/ big inner-Ø 10.5	2701676	8,45€
Clutch switch 163	KTM-models LC 4 from 2003 and LC 8, for thread 1/4", cable length 550 mm	0722014	25,45€
Switch 195	For RADIAL 195 Clutch	0722102	31,20€
Switch 195	For RADIAL 195 Brake, cable length 400 mm	0722213	30,70€
Clutch switch 167	For MAGURA model 167 (Clutch)	0723187	41,60€
Clutch switch 167	For BMW-HYMEC (Clutch)	2700384	41,20€
Brake light switch 167	For MAGURA model 167 (ATV-Brake), cable length 760 mm	0723197	40,05€
Brake light switch 167	For MAGURA model 167, cable length 400 mm	0723123	34,30€



#### **GRIPS, PAIRS OF GRIPS**

1
2
3
4
5









10



MODEL	DESCRIPTION/APPLICATION	LENGTH IN MM	ORDER CODE	RRP
150 sz*/151 sz* for tube-Ø 25/22	BMW/5-models and older	129	0720850	15,60€
125 sz* for tube-Ø25/22	For Oldies and especially for Trial	125	0720851	17,65€
312 szw* for tube-Ø 25/2	2 Special grip for Off-Road	125	0720853	19,75€
250 ksz* for tube-Ø 25/22	For mopeds with automatic engines	114	0720854	9,10€
289 tsz* for tube-Ø 25/22	Our soft grip for street bikes	126	0720855	12,60€
250 ksz* for tube-Ø 25, Wulst-Ø 48	including BMW C1	124	2701673	19,75€
316 ksz* for tube-Ø 25/22	Mopeds with gear grip	116	0720856	9,10€
DAB6 sz for tube-Ø 27,5	Oldie grip for Heinkel Scooter VE 10	116	0720920	13,50€
DAB6 sz for tube-Ø 27,5	Oldie grip for Heinkel Scooter VE 10	121	2701492	55,00€
125 sz* for tube-Ø 25/22	End open – for oldtimer motorcycles with reverse controls	125	2701489	44,30 €
306 sz* for tube-Ø 25/22	End closed	129	2701490	19,30 €
270 ksz* for tube-Ø 25/22	End closed – for oldtimer motorcycles	129	2701491	12,50 €

\*

sz | rubber black szw | rubber black, soft

ksz | fibre reinforced black

tsz | thermoplastic elastomer, black

#### SOLDERNIPPLE, SOLDER NIPPLE BARRELS

	PACKING UNIT		DIMENSIONS IN MM		ORDER CODE	RRP
		ØWIDTH	LENGTH	HOLE		
	SOLDER NIPPLES B	BARREL				
	10	9/8	15,5	2,5	2701504	20,94 €
<u>R 9</u>	10	10	11,6	2,3	2701505	36,05€
	SOLDER NIPPLES					
<b></b> €	10	6/3,5	13	2,3	2701506	16,55€
=)	10	6/3,5	8	2,3	2701507	32,50 €
	10	6/3,5	8	2,0	2701508	20,50 €



#### NIPPLE ASSORTMENT

DESCRIPTION/APPLICATION	ORDER CODE	RRP
A well sorted selection of 100 various screw nipples, solder nipples and nipple barrels in a very comfortable plastic box. "A need in biker's garage!"	0736500	81,15€

#### SCREW NIPPLES

	PACKING UNIT		DIMENSIONS IN MM		ORDER CODE	RRP
		Ø WIDTH	LENGTH	HOLE		
8	10	8	8,5	2,5	2701509	52,55€
н	10	6	9	2,5	2701510	52,55€
3	10	5	9,5	2	2701511	93,95€
3	10	8	15	2,3	2701512	52,55€
	10	5	7,5	2	2701513	27,55€

#### ADJUSTING SCREWS

PACKING		DIMENSIONS IN	MM	ORDER CODE	RRP	RRP
UNIT	Ø WIDTH	LENGTH	HOLE			
UNSLOT	FED ADJUSTING	SCREW, WITH	KNURLED METAL N	<mark>IUT</mark>		
1	M 6	32	6,8	2,8	2701515	4,30€
1	M 6	41	6,1	2,5	2701516	6,95€
1	M6x0,75	31	6,5	3	2701517	1,68€
1	M 10x1	44	11	6,2	2701523	6,95€
SLOTTE	ADJUSTING SO	CREW, WITH KN	URLED METAL NUT			
1	M 7	42	6,5	3,5	2701518	8,85€
1	M 7	42	8,2	3,5	2701519	8,85€
1	M 6	32	6,5	2,2	2701520	8,85€
1	M10x1	44	11	2,4	2701522	6,95€

PACKING UNIT	DESCRIPTION/APPLICATION	ORDER CODE	RRP
 10	Cylinder bolt with shaft and thread M5 x 19.5, Bolt head Ø 9 mm with Philips H2 fitting, Shaft Ø 6 mm, shaft length 10.2mm, thread length 6 mm.	2701514	4,65€

ACCESSORIES 63

# **NAG VRA** TRUSTS INSPECIALISTS



## LIQUI MOLY

MAGURA PLACES ITS TRUST IN STRONG PARTNERSHIPS, LIKE WITH LIQUI MOLY. THE LUBRICATION SPECIALISTS FROM ULM ARE THE FIRST CHOICE FOR MAGURA WHEN IT COMES TO PREMIUM OILS AND LUBRICANTS. ASK YOUR MAGURA DEALER WHICH LIQUI MOLY PRODUCTS ARE SUITABLE FOR YOUR MOTORCYCLE.



POSITION	DESCRIPTION/APPLICATION	ORDER CODE	RRP
1	Motorbike Cleaner, 1 l	2100566	12,29€
2	Motorbike Chain Lube, 200 ml	2100811	6,09€
	Motorbike Chain Lube, 400 ml	2100567	8,89€
3	Motorbike Multispray, 50 ml	2100570	4,39€
4	Motorbike Gloss Spray Wax, 400 ml	2100571	14,89 €
5	Brake Part Cleaner, 500 ml	0103661	7,19€
6	Thread Lock High Strength, 10 g	2100572	5,09€
7	Thread Lock Medium Strength , 10 g	2100573	5,09€
8	Liquid Hand-Wash-Paste, 500 ml	2100574	9,98€

### MAGURA NETWORK



Follow us:



facebook.com/magurapassionpeople

O)

instagram.com/magura\_powersports



MAGURA Bike Parts GmbH & Co. KG Eckisstraße 6 · D-72574 Bad Urach, Germany +49 (0)7125 969460 · info@magura.de · magura.com

@ MAGURA, All rights reserved  $\cdot$  Printed in Germany  $\cdot$  3000  $\cdot$  2 701 806  $\cdot$  8/2018  $\cdot$  Features may be subject to change