



**HIRSCHMANN**

# ANTENNE 1

▶ BAHNHOFSTRASSE

FRANKFURT-SÜD

1

CD

SMS

500  
METER

Menu

TMC

**CAR ANTENNAS  
FOR RADIO,  
MOBILE COMMUNICATION  
AND GPS**

The information/details in this publication merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products. The desired performance factors shall only be deemed binding if these are expressly agreed on conclusion of the contract.

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## Automatic antennas

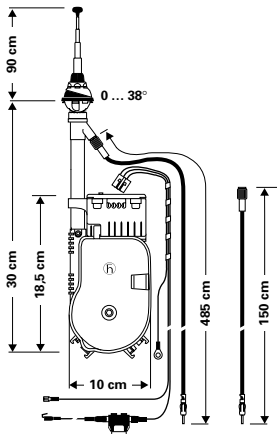
### AUTA 6000 KE 1/11

Universal antenna  
(front or rear mounting)

0 - 38° bodywork slope<sup>1)</sup>

**Ord. code 921 514-003**

Replacement mast  
Ord. code 820 902-106 (code 06)



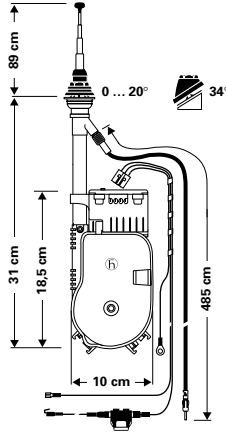
### AUTA 6000 KE 14

Universal antenna  
(rear mounting)

0 - 20° and 34° bodywork slope<sup>2)</sup>

**Ord. code 921 386-001**

Replacement mast  
Ord. code 820 902-105 (code 05)



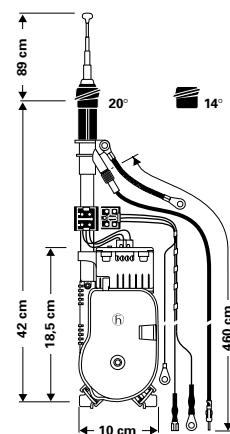
### AUTA 6000 KE-F 467

Special antenna  
(rear mounting)

MERCEDES BENZ: C 126, W 126

**Ord. code 921 488-001**

Replacement mast  
Ord. code 820 902-103 (code 03)



<sup>1)</sup> for further antenna head parts see page 21

<sup>2)</sup> for further antenna head parts see page 18 - 21



## Automatic antennas

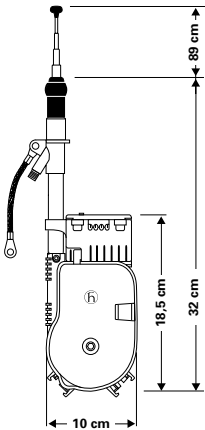
### AUTA 6000 KE-F 10

Special antenna <sup>1)</sup>  
(rear mounting)

BMW, MERCEDES BENZ, OPEL

**Ord. code 921 504-002**

Replacement mast  
Ord. code 820 902-105 (code 05)



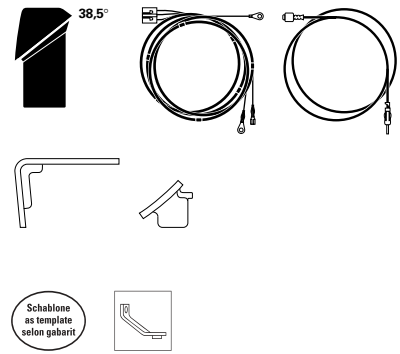
### AUTA 74 F W 201/2

Mounting kit

MERCEDES BENZ: W 201 05.87 →

**Ord. code 822 893-001**

For basic model AUTA 6000 KE-F 10



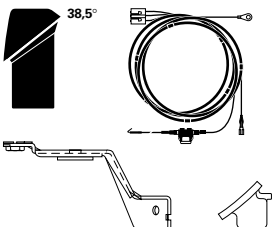
### AUTA 74 F W 210

Mounting kit

MERCEDES BENZ: W 210  
E-Class-Limousines 06.95 →

**Ord. code 823 417-001**

For basic model AUTA 6000 KE-F 10



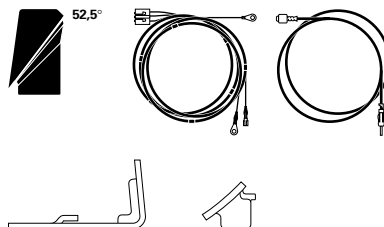
### AUTA 74 F W 124/2

Mounting kit

MERCEDES BENZ: W 124  
E-Class-Limousines 09.88 → 95

**Ord. code 822 892-001**

For basic model AUTA 6000 KE-F 10



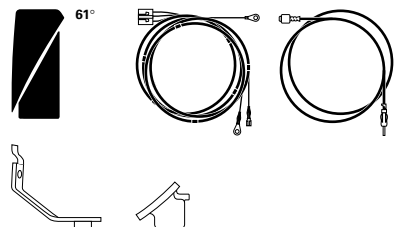
### AUTA 74 F S 124

Mounting kit

MERCEDES BENZ: S 124  
E-Class-T-Limousines → 03.96

**Ord. code 822 895-001**

For basic model AUTA 6000 KE-F 10



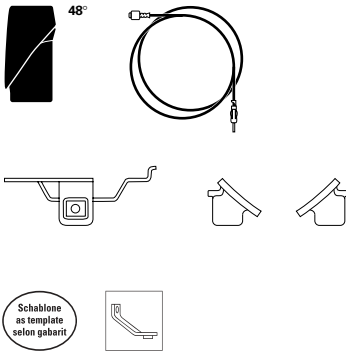

**Automatic antennas**
**AUTA 74 F W 140**

Mounting kit

 MERCEDES BENZ: W 140 <sup>1)</sup>  
 S-Class-Limousines

**Ord. code 822 890-001**

For basic model AUTA 6000 KE-F 10

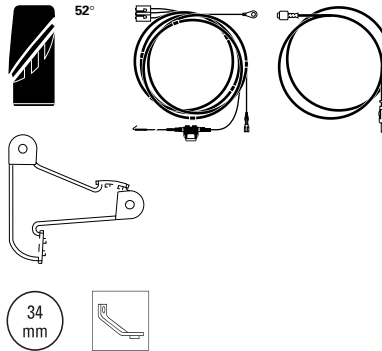

**AUTA 77 F OSVA**

Mounting kit

 OPEL: Omega-, Vectra-, Astra-  
 Limousines, Senator B

**Ord. code 822 927-001**

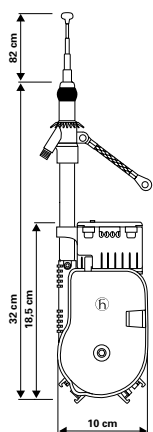
For basic model AUTA 6000 KE-F 10


**AUTA 6000 KE-F 474**

 Special antenna <sup>2)</sup>  
 (rear mounting)

MERCEDES BENZ: W 202

**Ord. code 921 601-001**

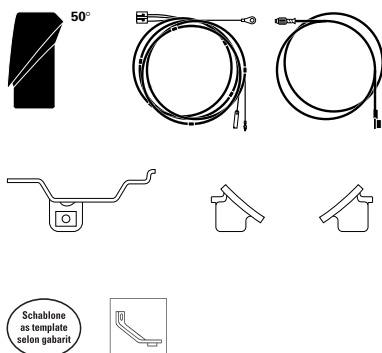
 Replacement mast  
 Ord. code 823 112-111 (code 11)

**AUTA 74 F W 202**

Mounting kit

 MERCEDES BENZ: W 202  
 C-Class-Limousines

**Ord. code 823 130-001**

For basic model AUTA 6000 KE-F 474


<sup>1)</sup> electrical wiring ex-factory fitted

<sup>2)</sup> in combination with mounting kit for specific car type



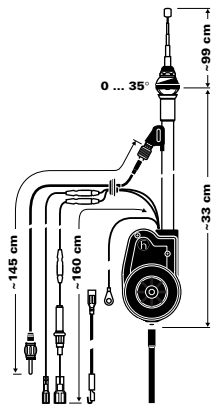
# HIT Automatic antennas

## HIT AUTA 2040

Universal antenna  
(front mounting)<sup>2)</sup>  
Telescope stainless steel  
0 - 35° bodywork slope

Ord. code 921 738-001

Replacement mast  
Ord. code 823 674-001

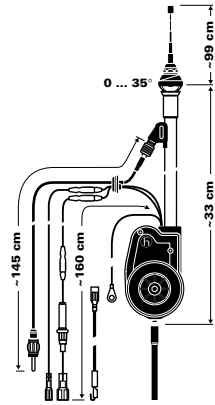


## HIT AUTA 2040 SW

Universal antenna  
(front mounting)<sup>2)</sup>  
Telescope black anodized  
0 - 35° bodywork slope

Ord. code 921 738-002

Replacement mast (black anodized)  
Ord. code 823 674-002

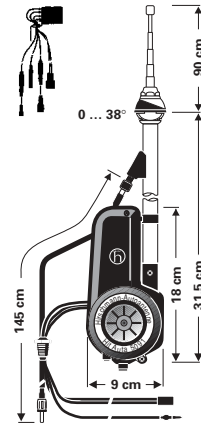


## HIT AUTA 5091

Universal antenna  
(front mounting)<sup>2)</sup>  
0 - 38° bodywork slope<sup>1)</sup>

Ord. code 921 008-001

Replacement mast  
Ord. code 820 764-011

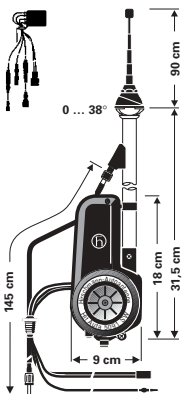


## HIT AUTA 5091 SW

like HIT AUTA 5091  
Telescope black anodized

Ord. code 921 010-001

Replacement mast (black anodized)  
Ord. code 821 362-011



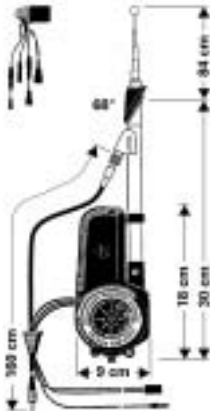
## HIT AUTA 5091 A 910

Special antenna  
(front mounting)

VW: Golf III, Vento 08.91 →

Ord. code 921 442-001

Replacement mast  
Ord. code 822 965-001



<sup>1)</sup> spezial antenna heads see page 21

<sup>2)</sup> for rear mounting, pls. order extension cable HIT AUKAB ..., see page 27





## Roof mounted and short-rod antennas

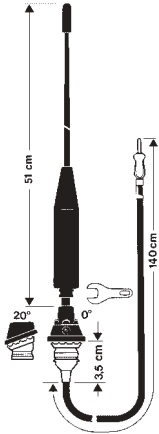
### AUTA 51

Universal roof mounted antenna

Black glassfibre rod  
Trucks, buses, off-road cars

**Ord. code 920 902-001**

Replacement rod  
Ord. code 821 352-001



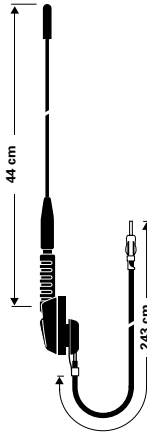
### AUTA 91 TOP

Universal roof mounted antenna <sup>1)</sup>

Black INOX rod

**Ord. code 920 944-005**

Replacement rod  
Ord. code 821 511-003



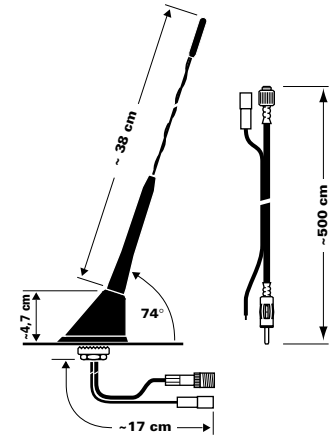
### HIT AUTA 16 V FLEX

Universal roof mounted antenna  
Replacement model for ex-factory fitted antenna

AM/FM pre-amplifier  
Anti-noise-rod

**Ord. code 921 768-001**

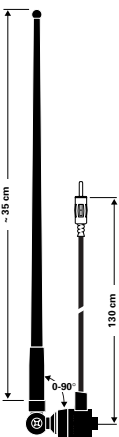
Replacement rod  
Ord. code 823 870-001



### HIT AUTA 35 GA

Universal fender antenna

**Ord. code 602 305-001**



### HIT AUTA 40 FI

Special roof mounted antenna

FIAT, LANCIA, ALFA ROMEO

**Ord. code 602 300-001**

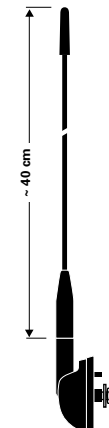


### HIT AUTA 40 FO

Special roof mounted antenna

FORD

**Ord. code 602 301-001**



<sup>1)</sup> mounting from outside

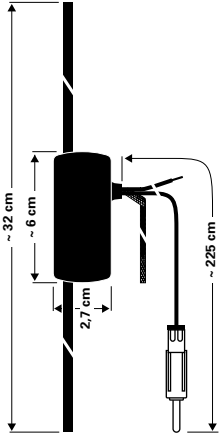


## Roof mounted and short-rod antennas

### HIT AUTA 60 EL

Universal window aerial

Ord. code 602 306-001

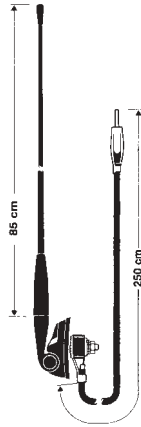


### HIT AUTA 70 B

Universal roof mounted antenna

Black glassfibre rod

Ord. code 602 364-001

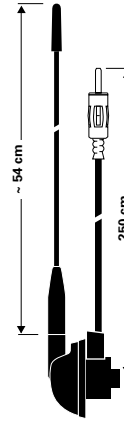


### HIT AUTA 200

Universal roof mounted antenna

Black INOX rod

Ord. code 602 330-001



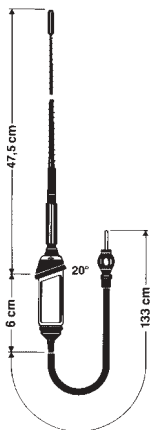
### HIT AUTA 3000 FLEX

Universal short-rod antenna<sup>2)</sup>

Black glassfibre rod

Ord. code 921 186-002

Replacement rod  
Ord. code 822 137-001





## Retractable antennas

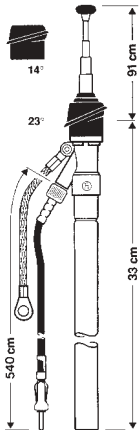
### AUTA 4000 F 317 L

Special antenna (rear mounting)

BMW: 3.. (E30) Lim./Cab.  
11.82 → 90/10.92  
BMW: 5.. (E28) 06.81 → 87

**Ord. code 920 936-011**

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011



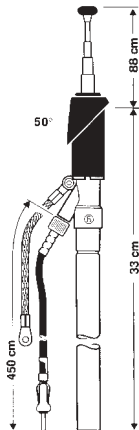
### AUTA 4000 F 410 L

Special antenna (rear mounting)

MERCEDES BENZ: W 124 Lim.  
→ 08.88

**Ord. code 920 772-001**

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011



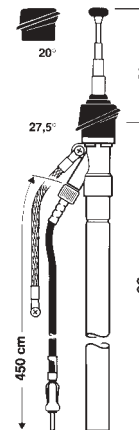
### AUTA 4000 F 419 L

Special antenna (rear mounting)

MERCEDES BENZ: W 201 Lim.  
→ 04.87  
W 123 Lim.

**Ord. code 920 514-011**

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011



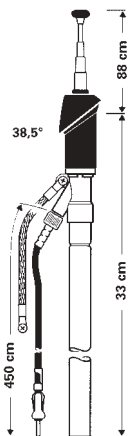
### AUTA 4000 F 420 L

Special antenna (front mounting)

MERCEDES BENZ: W 201  
05.87 →

**Ord. code 921 172-001**

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011



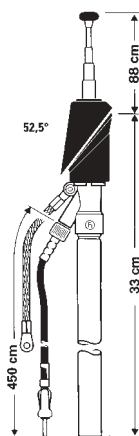
### AUTA 4000 F 457 L

Special antenna (rear mounting)

MERCEDES BENZ: C 124 Coupés,  
W 124 Lim.  
08.88 → 05.95

**Ord. code 921 174-001**

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011



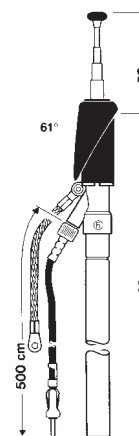
### AUTA 4000 F 458 L

Special antenna (rear mounting)

MERCEDES BENZ: S 124 T-Lim.  
→ 03.96

**Ord. code 921 054-001**

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011





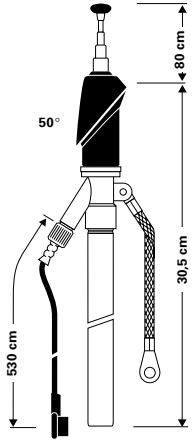
## Retractable antennas

### AUTA 4000 F 474 L

Special antenna (rear mounting)

MERCEDES BENZ: W 202 Lim.

Ord. code 921 608-001



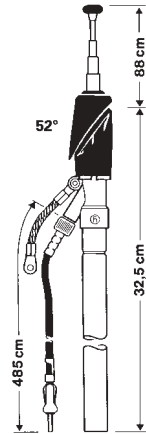
### AUTA 4000 F 710 L

Special antenna (rear mounting)

OPEL: Omega, Senator 09.87 → Vectra Limousines

Ord. code 920 972-001

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011



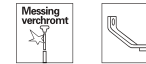
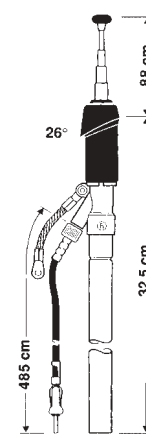
### AUTA 4000 F 712 L

Special antenna (rear mounting)

OPEL: Astra Limousines

Ord. code 921 420-001

Replacement antenna:  
AUTA 4091 LF, Ord. code 920 986-011

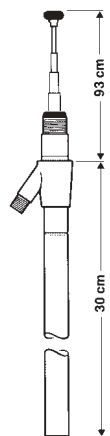


### AUTA 4090 L

Replacement model

for models AUTA 4000 C ...

Ord. code 920 141-001

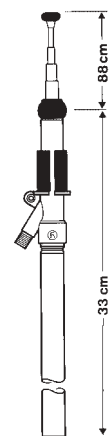


### AUTA 4091 LF

Replacement model

for models AUTA 4000 F ...

Ord. code 920 986-011

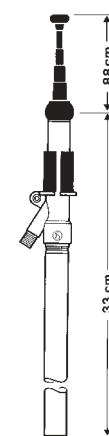


### AUTA 4091 LFM

Replacement model

for models AUTA 4000 FM ...

Ord. code 921 148-001





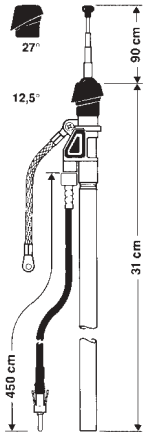
## Retractable antennas

### AUTA 3100 F 217

Special antenna (rear mounting)

AUDI: Limousinen:  
80 08.78 →  
A 4  
100 09.76 → 11.90  
200

Ord. code 921 210-002



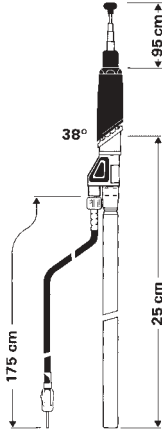
### AUTA 3100 C 909

Special antenna (front mounting)

VW: Bus/Transporter T4 09.90 →

Ord. code 921 400-002

Impedance 150 Ω



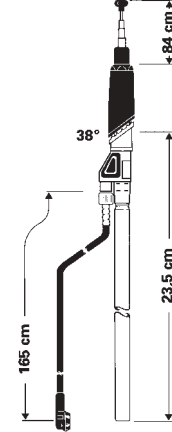
### AUTA 3175 K 909

Special antenna (front mounting)

VW: Bus/Transporter T4 09.90 →

Ord. code 921 612-002

Impedance 75 Ω, with condenser



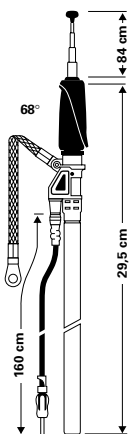
### AUTA 3400 F 910

Special antenna (front mounting)

VW: Golf III 08.91 →  
Vento

Ord. code 921 418-001

Impedance 150 Ω



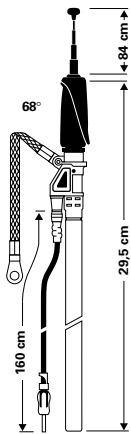
### AUTA 3400 FM 910

Special antenna (front mounting)

VW: Golf III 08.91 →  
Vento

Ord. code 921 468-001

Impedance 150 Ω  
Mast black anodized

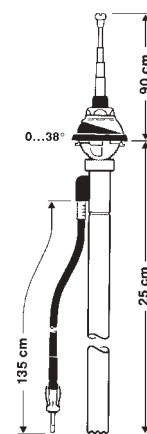


### AUTA 2670 A

Universal antenna (front mounting)

0 - 38° bodywork slope

Ord. code 920 624-011





## Retractable antennas

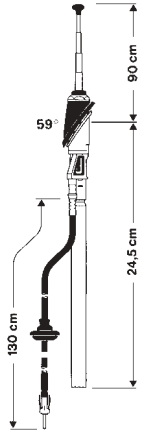
### AUTA 2400 C 908

Special antenna (front mounting)

VW: Passat B 3 04.88 →

**Ord. code 921 240-001**

Impedance 150 Ω



16 x 29 mm



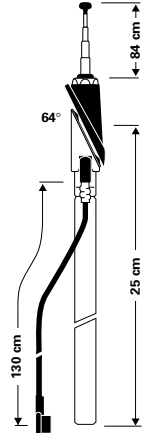
### AUTA 2675 K 904

Special antenna (front mounting)

MAN: 6.90, 8.90, 8.136, 9.136,  
10.136 → 95  
VW-LT: 28, 31, 35, 40, 45, 50, 55  
→ 06.96

**Ord. code 921 604-001**

Impedance 75 Ω with condenser



16 x 40 mm

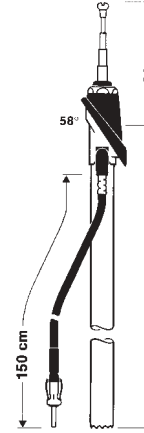


### AUTA 1480 A

Universal antenna (front mounting)

VW: Beetle, Bus, Transp. → 08.90,  
Passat 04.88 → 10.93  
and other cars

**Ord. code 923 450-022**



16 x 30 mm





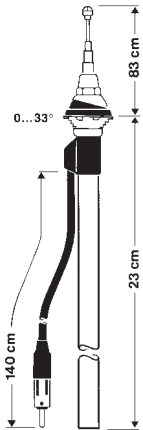
## HIT-Retractable antennas

### HIT AUTA 650 S

Universal antenna (front mounting)

0 - 33° bodywork slope

Ord. code 921 020-001

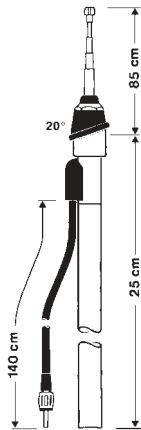


### HIT AUTA 690 B

Universal antenna (front mounting)

20° bodywork slope

Ord. code 921 056-008



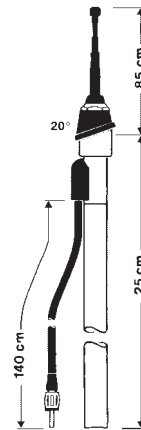
### HIT AUTA 690 BW

Universal antenna (front mounting)

20° bodywork slope

Ord. code 921 058-004

Telescope black anodized

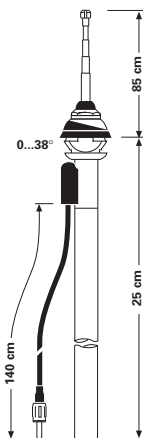


### HIT AUTA 770 B

Universal antenna (front mounting)

0 - 38° bodywork slope

Ord. code 921 060-004



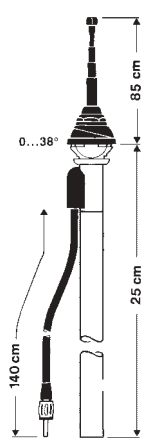
### HIT AUTA 770 BW

Universal antenna (front mounting)

0 - 38° bodywork slope

Ord. code 921 062-005

Telescope black anodized



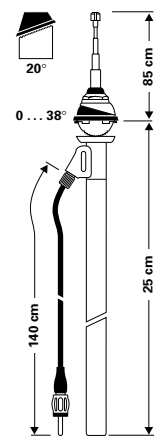
### HIT AUTA 781

Universal antenna (front mounting)

20° bodywork slope  
0 - 38° bodywork slope

Ord. code 921 739-001

HF-cable with screw connection





## HIT-Retractable antennas

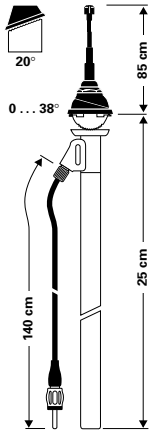
### HIT AUTA 781 SW

Universal antenna (front mounting)

20° bodywork slope  
0 - 38° bodywork slope

**Ord. code 921 739-003**

HF-cable with screw connection  
Telescope black anodized



for 20°      for 0...38°



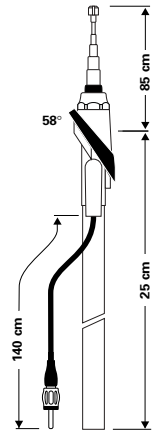
### HIT AUTA 970 B

Universal antenna (front mounting)

58° bodywork slope

**Ord. code 921 070-002**

AUDI: Avant → 82; LANCIA: Delta → 92;  
PEUGEOT: 104/204/304/404;  
TOYOTA: Tercel, Celica Liftback;  
VW: Beetle, Transporter/Bus → 08.90







## Pillar mount antennas / DAB antennas

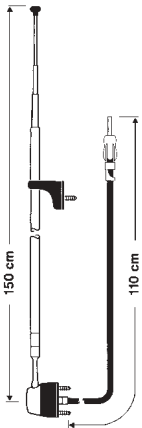
### AUTA 360 KA

Universal antenna

Limousines, caravans, off-road cars

**Ord. code 922 948-041**

Replacement mast: Ord. code 821 498-004



### AUTA 360 KB

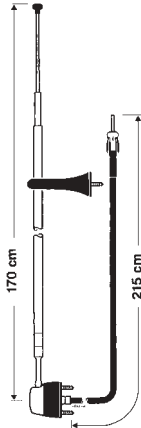
Universal antenna

MERCEDES BENZ: LP 709 ... 1113,  
1013 ... 2632

MAN: 19.281 etc.

**Ord. code 920 430-001**

Replacement mast: Ord. code 821 061-011

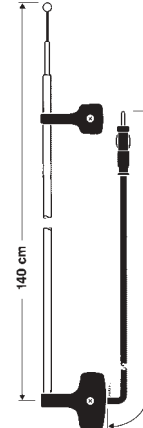


### HIT AUTA 330

Universal antenna

Especially for Japanese cars

**Ord. code 920 446-001**



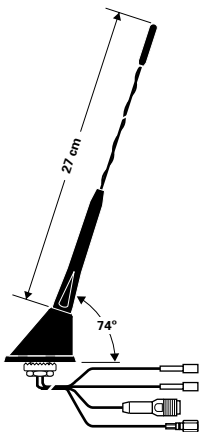
### AUTA 16 V DAB

Roof mounted antenna  
for AM/FM and digital broadcasting (DAB)  
Amplifier for AM/FM and DAB inte-  
grated in the antenna base

12 V power supply for AM/FM and  
DAB either via the RF-cables (remote  
power supply) or separate 12 V leads

**Ord. code 921 763-001**

Replacement mast: Ord. code 723 756-002





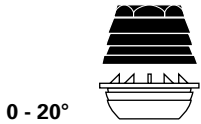
## Antenna heads for M 18 x 0,75

### AUTA 4220

Universal antenna head

AUTA 4000 C ..., AUTA 4090 L,  
AUTA 6000 EL ..., AUTA 6000 KE 14

Ord. code 822 649-002



0 - 20°

### AUTA 4103 SW

Special antenna head

AUTA 4000 C ..., AUTA 4090 L,  
AUTA 6000 EL ..., AUTA 6000 KE 14

Ord. code 821 963-003



23°

Discontinued

### AUTA 4102 SW

Special antenna head

AUTA 4000 C ..., AUTA 4090 L,  
AUTA 6000 EL ..., AUTA 6000 KE 14

Ord. code 821 962-003



28°

### AUTA 4222 SW

Special antenna head

AUTA 4000 C ..., AUTA 4090 L,  
AUTA 6000 EL ..., AUTA 6000 KE 14

Ord. code 821 964-003



34°

### AUTA 4243

Special antenna head

AUTA 4000 C ..., AUTA 4090 L,  
AUTA 6000 EL ..., AUTA 6000 KE 14

Ord. code 820 393-003



39°

Discontinued

### AUTA 4259

Special antenna head

AUTA 4090 L, AUTA 6000 EL ...,  
AUTA 6000 KE 14

Ord. code 820 649-003



43°

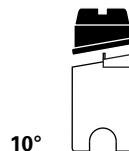
### MCA 4532

Special antenna head

AUTA 6000 KE 14

Ord. code 822 135-001

BMW: 7.. (E32), SAAB: 9000 CD Notchback



10°

Discontinued



## Antenna heads for M 18 x 0,75

### MCA 4534

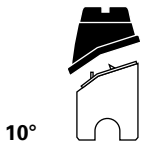
Special antenna head

AUTA 6000 KE 14

**Discontinued**

**Ord. code 822 136-001**

BMW: 5.. (E34) Limousine



10°

### MCA 45 W 201

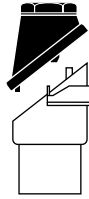
Special antenna head

AUTA 6000 KE 14

**Discontinued**

**Ord. code 822 195-003**

MERCEDES BENZ: W 201 05.87 →



38°

### MCA 45 W 202

Special antenna head

AUTA 6000 KE 14

**Ord. code 823 151-001**

MERCEDES BENZ: W 202 C-Class-Lim.



42°

### MCA 4524

Special antenna head

AUTA 6000 KE 14

**Discontinued**

**Ord. code 821 718-001**

MERCEDES BENZ: W 124 Lim. → 08.88,  
FORD: Scorpio Hatchback → 94



50°

### MCA 45 S 124

Special antenna head

AUTA 6000 KE 14

**Ord. code 822 197-003**

MERCEDES BENZ: S 124 E-Class-T-Lim.  
→ 03.96



61°

### MCA 45 ACW 124

Special antenna head

AUTA 6000 KE 14

**Ord. code 822 857-003**

MERCEDES BENZ: A 124 E-Class-Cabrios → 97  
C 124 E-Class-Coupés → 8.96  
W 124 E-Class-Lim. → 5.95  
V-Class Vito



52°

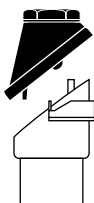
### MCA 45 W 210

Special antenna head

AUTA 6000 KE 14

**Ord. code 823 288-001**

MERCEDES BENZ: W 210 E-Class-Lim.  
→ 06.96



38°

### MCA 45 W 140

Special antenna head

AUTA 6000 KE 14

**Ord. code 822 689-001**

MERCEDES BENZ: W 140 S-Class-Lim.



48°

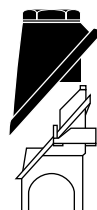
### MCA 45 C 140

Special antenna head

AUTA 6000 KE 14

**Ord. code 822 858-001**

MERCEDES BENZ: C 140 S-Class-Coupés CL



48°

**Discontinued**



## Antenna heads for M 18 x 0,75

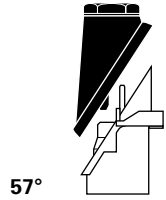
### MCA 45 R 129

Special antenna head

AUTA 6000 KE 14

**Ord. code 822 440-003**

MERCEDES BENZ: R 129  
Roadster SL



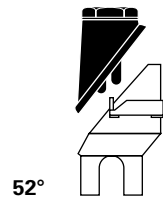
### MCA 45 OSV

Special antenna head

AUTA 6000 KE 14

**Ord. code 822 294-001**

OPEL: Omega Limousines, Senator,  
Vectra Limousines





## Antenna heads for M 12 x 0,75 and M 14 x 0,75

### AUTA 8232

Special antenna head

AUTA 6000 KE 1/11  
HIT AUTA 3000 FLEX,  
HIT AUTA 5091, 5091 SW  
HIT AUTA 2040, 2040 SW

**Ord. code 822 138-005**

32°



### AUTA 8237

Special antenna head

AUTA 6000 KE 1/11  
HIT AUTA 3000 FLEX,  
HIT AUTA 5091, 5091 SW  
HIT AUTA 2040, 2040 SW

**Ord. code 822 569-002**

FORD: Escort Saloon 09.90 →,  
Escort Cabriolet 10.90 →  
and other cars

37°



### AUTA 8254

Special antenna head

AUTA 6000 KE 1/11  
HIT AUTA 3000 FLEX,  
HIT AUTA 5091, 5091 SW  
HIT AUTA 2040, 2040 SW

**Ord. code 821 740-005**

54°



### AUTA 8259

Special antenna head

AUTA 6000 KE 1/11  
HIT AUTA 3000 FLEX,  
HIT AUTA 5091, 5091 SW  
HIT AUTA 2040, 2040 SW

**Ord. code 822 578-001**

VW: Passat 04.88 → 10.93  
and other cars

59°



### AUTA 8264

Special antenna head

HIT AUTA 3000 FLEX,  
HIT AUTA 5091, 5091 SW  
HIT AUTA 2040, 2040 SW

**Ord. code 821 851-005**

Opel: Omega A front mounting

64°



### AUTA 8268

Special antenna head

HIT AUTA 3000 FLEX,  
HIT AUTA 5091, 5091 SW  
HIT AUTA 2040, 2040 SW

**Ord. code 823 080-002**

VW: Golf III  
Vento

68°





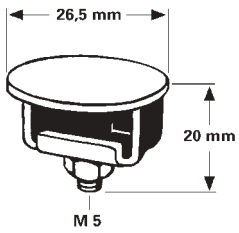
## Accessories

### AUTA 10

Aperture cover

For bodywork apertures  
Ø 18 - 24 mm

Ord. code 922 731-000

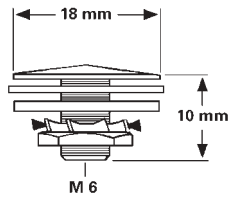


### AUTA 30

Aperture cover

For bodywork apertures  
Ø 12 - 16 mm

Ord. code 923 957-000



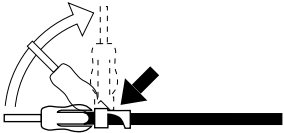
### KAST 80

Cable plug

For cables with Ø 5 mm

Ord. code 823 912-002

DIN 41585



### KK 65

Cable coupling

Ord. code 822 199-001

DIN 41585



### AUTA 135

Car antenna cleaning tissue

Ord. code 820 511-001



### AUTA 235

Car antenna grease

Ord. code 602 001-000

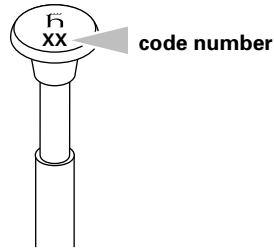




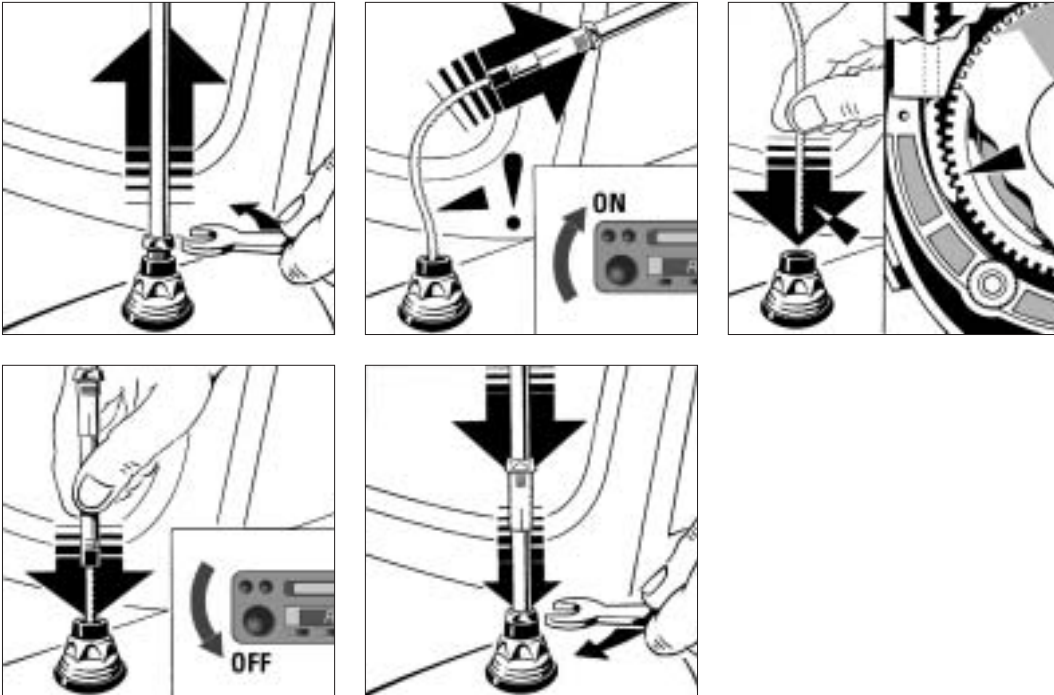
### Replacement masts for Automatic antennas

The mast of Hirschmann automatic antennas can be replaced without removing the antenna.

In the case of the AUTA 6000 KE ... and AUTA 6000 EL ... series, the correct replacement model can easily be determined from the code number on the button at the top of the mast.



Installation of the replacement mast into the antennas AUTA 6000 KE ... and AUTA 6000 EL ...





## Replacement masts for Automatic antennas

### REPLACEMENT MAST for ...

AUTA 6000 KE 14

AUTA 6000 KE...

-F 10,-F 470, -F 471, -F 110, -F 111

AUTA 6000 EL ...

-4, -14, -300, -360, -362, -363, 364, -462, -466, -853, -854, -856, -863

-F 110, -F 111, F 300, -F 360, -F 364, -F 365, -F 400, -F 458, -F 459, -F 460, -F 461, -F 489, -F 760

**Ord. code 822 100-101**

Black anodized brass/ code 10



### REPLACEMENT MAST for ...

AUTA 6000 KE-F 467

AUTA 6000 EL ...

-750, -752, -753

-F 467, -F 468, -F 487

**Ord. code 820 902-103**

Chromium-plated brass/ code 03



### REPLACEMENT MAST for ...

AUTA 6000 KE 14

AUTA 6000 KE...

-F 10,-F 470, -F 471, -F 110, -F 111

AUTA 6000 EL ...

-4, -14, -300, -360, -362, -363, 364, -462, -466, -853, -854, -856, -863

-F 110, -F 111, F 300, -F 360, -F 364, -F 365, -F 400, -F 458, -F 459, -F 460, -F 461, -F 489, -F 760

**Ord. code 820 902-104**

Chromium-plated brass/ code 04



### REPLACEMENT MAST for ...

AUTA 6000 KE 14

AUTA 6000 KE...

-F 10,-F 470, -F 471, -F 110, -F 111

AUTA 6000 EL ...

-4, -14, -300, -360, -362, -363, 364, -462, -466, -853, -854, -856, -863

-F 110, -F 111, F 300, -F 360, -F 364, -F 365, -F 400, -F 458, -F 459, -F 460, -F 461, -F 489, -F 760

**Ord. code 820 902-105**

Chromium-plated brass/ code 05



### REPLACEMENT MAST for ...

AUTA 6000 KE 1/11

AUTA 6000 KE 1

AUTA 6000 KE 11

**Ord. code 820 902-106**

Chromium-plated brass/ code 06



### REPLACEMENT MAST for ...

AUTA 6000 KE-F 474

AUTA 6000 KE...

-F 122, -F 168

**Ord. code 823 112-111**

Chromium-plated brass/ code 11







## Replacement masts for HIT Automatic antennas

The masts of Hirschmann  
HIT Automatic antennas can be re-  
placed without removing the antenna.

### REPLACEMENT MAST for ...

HIT AUTA ...  
-5060, -5061, -5080, -5081, -5090, -5091,  
-5091 A 908, -5600, -5900

**Ord. code 820 764-011**

Chromium-plated stainless steel



### REPLACEMENT MAST for ...

HIT AUTA ...  
-5010, -5040

**Ord. code 820 764-101**

Chromium-plated stainless steel



### REPLACEMENT MAST for ...

HIT AUTA ...  
-5091 SW, -5900 SW, -5060, -5061, -5080,  
-5081, -5090, -5091, -5600, -5900,  
-5091 A 908

**Ord. code 821 362-011**

Black anodized stainless steel



### REPLACEMENT MAST for ...

HIT AUTA 5091 A 910

**Ord. code 822 965-001**

Chromium-plated stainless steel



### REPLACEMENT MAST for ...

HIT AUTA 2030

**Ord. code 823 318-001**

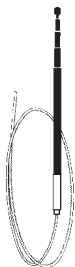
Chromium-plated stainless steel



HIT AUTA 2030 SW

**823 318-002**

Black anodized stainless steel



### REPLACEMENT MAST for ...

HIT AUTA 2040

**Ord. code 823 674-001**

Chromium-plated stainless steel



HIT AUTA 2040 SW

**823 674-002**

Black anodized stainless steel





## Adapter cables / Adapter wirings

### AUKAB 41/15

Adapter cable

VW

Ord. code 821 976-001

Cable length: 15 cm



### AUKAB 42/16

Adapter cable

VW

Ord. code 822 015-001

Cable length: 16 cm



### AUKAB 43/15

Adapter cable

OPEL

Ord. code 822 155-003

Cable length: 15 cm



### AUKAB 44/16

Adapter cable

OPEL

Ord. code 822 185-001

Cable length: 16 cm



### AUKAB 435/17

Adapter cable

Ord. code 825 870-001

Cable length: 17 cm



### AUKAB 150/12,5

Adapter cable

Ord. code 825 943-016

Cable length: 12,5 cm



### AUKAB KAST 42/RAST 2

Adapter wiring

SMART

Ord. code 823 823-001

Cable length: 50 cm



### ADAPTER WIRING

at exchange  
AUTA 6000 EL → AUTA 6000 KE

Ord. code 822 837-002

BMW and OPEL models

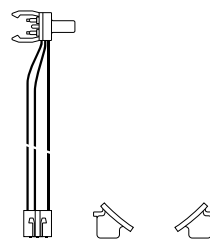


### ADAPTER WIRING

at exchange  
AUTA 6000 EL → AUTA 6000 KE

Ord. code 822 838-002

MERCEDES BENZ models





## Antenna cables

### AUKAB 445/150

Connecting cable

**Ord. code 825 986-012**

Cable length: 150 cm  
Screw connection



### AUKAB 485/485

Connecting cable

**Ord. code 825 720-017**

Cable length: 485 cm  
Screw connection



### AUKAB 9 18 VW

Adapter cable

For HIT AUTA 16 V FLEX  
MCA 9 18 V FLEX  
for VW-cars

**Ord. code 823 391-001**



### AUKAB 9 18 RAST 2

Adapter cable

For HIT AUTA 16 V FLEX  
MCA 9 18 V FLEX  
for VW Passat 10.96 →

**Ord. code 823 556-001**



### HIT AUKAB 420

Extension cable

For HIT AUTA 5091 and  
HIT AUTA 5091 SW  
HIT AUTA 2040/2040 SW

**Ord. code 820 640-001**

Cable length: 400 cm



### HIT AUKAB 440/50

Extension cable

**Ord. code 823 671-001**

Cable length: 50 cm



### HIT AUKAB 440/100

Extension cable

**Ord. code 823 671-002**

Cable length: 100 cm





## Antenna cables

### HIT AUKAB 440/200

Extension cable

**Ord. code 823 671-003**

Cable length: 200 cm



### HIT AUKAB 440/300

Extension cable

**Ord. code 823 671-004**

Cable length: 300 cm



### HIT AUKAB 440/400

Extension cable

**Ord. code 823 671-005**

Cable length: 400 cm



### HIT AUKAB 440/550

Extension cable

**Ord. code 823 671-006**

Cable length: 550 cm



### VK 58 SMBfw/FMEf 500

Extension cable

For AUTA 16 V DAB

**Ord. code 602 361-001**

Cable length: 500 cm



Suitable for p.e.:

Grundig - Allix DAB SCD 5410

Blaupunkt - Woodstock DAB 52

KENWOOD - KTC 9090

Pioneer - DEH-P90DAB

- GEX-P700DAB



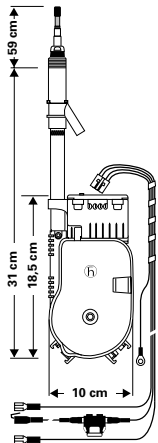
900 MHz

**MCA 4690**

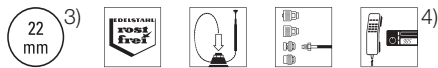
Automatic antenna

Ord. code 921 626-001

Without duplexer and antennae head parts <sup>2)</sup>  
 Replacement mast Ord. code 822 638-011



$5/4\lambda + \lambda/2$   
 Gain <sup>1)</sup>:  
 2 dB  
 Load capacity:  
 max. 20 W  
 Emission:  
 880 - 915 MHz,  
 VSWR  $\leq 1,5$   
 Reception:  
 925 - 960 MHz,  
 VSWR  $\leq 2,0$



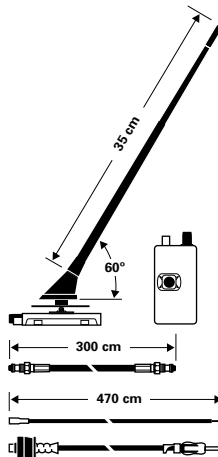
**MCA 9 16 V FLEX**

Sportflex roof mounted antenna  
 900 MHz + radio

**Discontinued**

Ord. code 921 461-001

Replacement rod Ord. code 822 792-011



$\lambda/4 + \lambda/2$   
 Gain <sup>1)</sup>:  
 0 dB  
 Load capacity:  
 max. 30 W  
 Emission:  
 880 - 915 MHz,  
 VSWR  $\leq 1,5$   
 Reception:  
 925 - 960 MHz,  
 VSWR  $\leq 2,5$

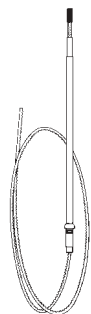


**TELESCOPE**

Replacement mast

For MCA 4590 and MCA 4690

Ord. code 822 638-011

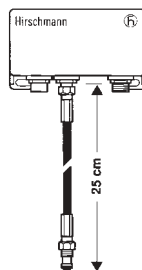


**AP 9012/11**

Antenna duplexer (900 MHz + radio)

For MCA 9 17 41 and MCA 4690

Ord. code 822 587-001



Load capacity:  
 max. 20 W

<sup>1)</sup> ref. to a quarterwave antenna, centre roof  
<sup>3)</sup> if antenna head AUTA 4220 is used, see p. 34

<sup>2)</sup> Antenna head parts see p. 34 - 36  
<sup>4)</sup> duplexer AP 9012/11 necessary



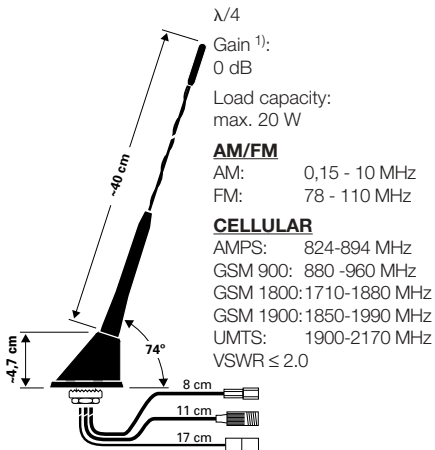
## Cellular antennas

### MCA 9 18 V FLEX

Sportflex roof mounted antenna  
Multi band + radio

Ord. code 921 767-003

Replacement rod Ord. code 823 869-001

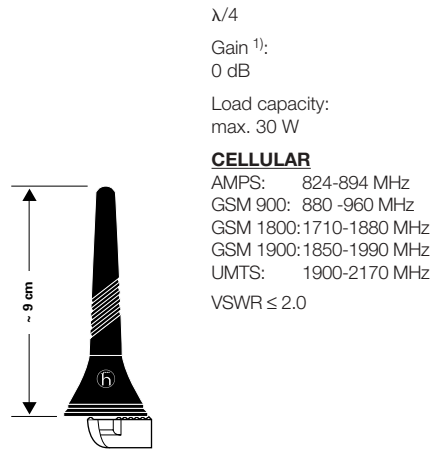


### MCA 18 90 80

Roof mounted antenna

Ord. code 921 746-003

Replacement rod Ord. code 723 931-003

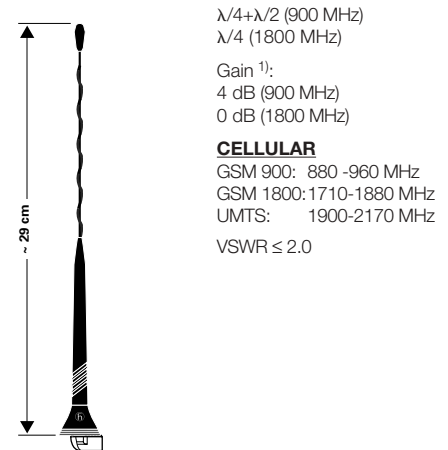


### MCA 18 91 80

Roof mounted antenna

Ord. code 921 747-003

Replacement rod Ord. code 723 935-003

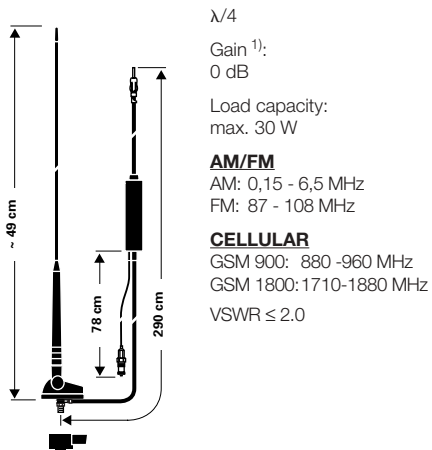


### MCA 18 90 KOMBI

Roof mounted antenna  
(front mounting)  
Multi band + radio  
especially for French, Italian cars  
and FORD

Ord. code 602 319-001

Replacement rod Ord. code 602 320-001



### MCA 18 90 SF

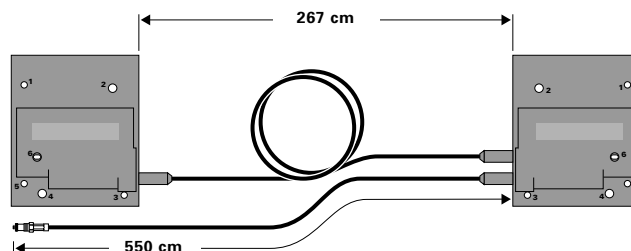
Bumper antenna

Ord. code 921 762-001

Gain <sup>1)</sup>: 3 dB

Load capacity: max. 20 W

**CELLULAR**  
AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
VSWR  $\leq$  2.0



- Easy mounting
- After market installation
- No vandalism
- Maintenance free
- Practical
- Invisible
- Low H.F. radiation inside
- 5 years guarantee

<sup>1)</sup> ref. to a quarterwave antenna, centre roof



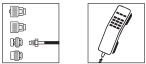
**Cellular antennas**

**MCA 18 90 MH**

Magnetic mount antenna

Ord. code 921 797-001

$\lambda/4$  (900 MHz)  
 $\lambda/4$  (1800 MHz)  
 Gain <sup>1)</sup>:  
 0 dB (900 MHz)  
 0 dB (1800 MHz)  
 Load capacity:  
 max. 30 W  
**CELLULAR**  
 AMPS: 824-894 MHz  
 GSM 900: 880 -960 MHz  
 GSM 1800: 1710-1880 MHz  
 GSM 1900: 1850-1990 MHz  
 UMTS: 1900-2170 MHz  
 VSWR  $\leq$  2.0

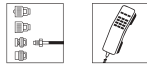


**MCA 18 90 KA**

Window-clamp antenna

Ord. code 921 792-001

$\lambda/4$  (900 MHz)  
 $\lambda/4$  (1800 MHz)  
 Gain <sup>1)</sup>:  
 0 dB (900 MHz)  
 0 dB (1800 MHz)  
 Load capacity:  
 max. 30 W  
**CELLULAR**  
 GSM 900: 880 -960 MHz  
 GSM 1800: 1710-1880 MHz  
 VSWR  $\leq$  2.0



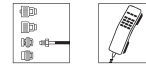
**MCA 18 90 OG**

On-glass-antenna

Ord. code 921 813-003

Replacement rod Ord. code 723 931-003

$\lambda/4$  (900 MHz)  
 $\lambda/4$  (1800 MHz)  
 Gain <sup>1)</sup>:  
 0 dB (900 MHz)  
 0 dB (1800 MHz)  
 Load capacity:  
 max. 30 W  
**CELLULAR**  
 AMPS: 824-894 MHz  
 GSM 900: 880 -960 MHz  
 GSM 1800: 1710-1880 MHz  
 GSM 1900: 1850-1990 MHz  
 UMTS: 1900-2170 MHz  
 VSWR  $\leq$  2.0



**MCA 18 91 OG**

On-glass-antenna

Ord. code 921 814-003

Replacement rod Ord. code 723 935-003

$\lambda/4$  (900 MHz)  
 $\lambda/4$  (1800 MHz)  
 Gain <sup>1)</sup>:  
 3 dB (900 MHz)  
 0 dB (1800 MHz)  
 Load capacity:  
 max. 30 W  
**CELLULAR**  
 AMPS: 824-894 MHz  
 GSM 900: 880 -960 MHz  
 GSM 1800: 1710-1880 MHz  
 GSM 1900: 1850-1990 MHz  
 UMTS: 1900-2170 MHz  
 VSWR  $\leq$  2.0



**MCA 18 90 TWIN**

On-glass-antenna

Ord. code 921 807-001

Gain <sup>1)</sup>:  
 0 dB (900 MHz)  
 0 dB (1800 MHz)  
 Load capacity:  
 max. 30 W  
**CELLULAR**  
 GSM 900: 880 -960 MHz  
 GSM 1800: 1710-1880 MHz  
 VSWR  $\leq$  2.0

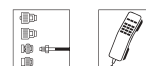


**MCA 18 90 CO**

Patch antenna

Ord. code 602 354-001

Gain <sup>1)</sup>:  
 0 dB (900 MHz)  
 0 dB (1800 MHz)  
 Load capacity:  
 max. 30 W  
**CELLULAR**  
 GSM 900: 880 -960 MHz  
 GSM 1800: 1710-1880 MHz  
 UMTS: 1900-2170 MHz  
 VSWR  $\leq$  2.0



**Discontinued**

**Discontinued**

<sup>1)</sup> ref. to a quarterwave antenna, centre roof



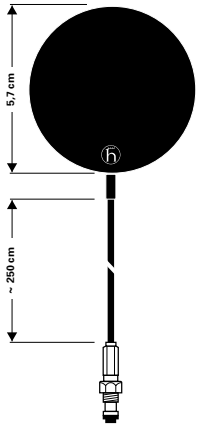
## Cellular antennas

### MCA 18 90 MP

Mini disc patch antenna

Ord. code 602 317-001

Re-use kit Ord. code 602 318-001

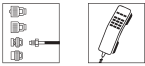


Gain <sup>1)</sup>:  
0 dB (900 MHz)  
0 dB (1800 MHz)

Load capacity:  
max. 30 W

#### CELLULAR

AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
VSWR ≤ 2.0

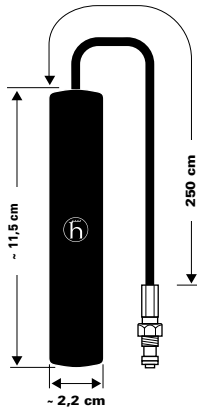


### MCA 18 90 SLIM

Patch antenna

Ord. code. 602 311-001

Re-use kit Ord. code 602 316-001

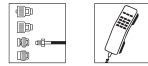


Gain <sup>1)</sup>:  
0 dB (900 MHz)  
0 dB (1800 MHz)

Load capacity:  
max. 30 W

#### CELLULAR

AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
VSWR ≤ 2.0



### MCA 18 90 SQ/250 MCA 18 90 SQ/500

Patch antenna

MCA 18 90 SQ/250

Ord. code 921 848-001

Cable length 250 cm

RG 174 (female)

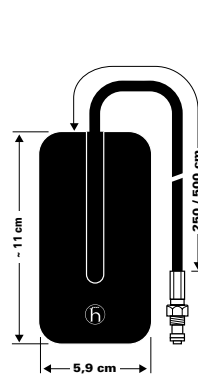
MCA 18 90 SQ/500

Ord. code. 921 849-001

Cable length 500 cm

RG 58 (female)

Re-use kit Ord. code 602 309-001

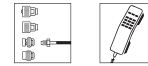


Gain <sup>1)</sup>:  
0 dB (900 MHz)  
0 dB (1800 MHz)

Load capacity:  
max. 30 W

#### CELLULAR

GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
VSWR ≤ 2.0

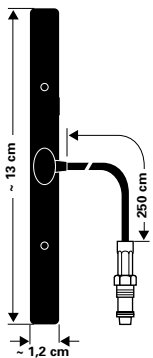


### MCA 18 90 STRIPE

Patch antenna

Ord. code 602 335-001

Re-use kit Ord. code 602 362-001



Gain <sup>1)</sup>:  
0 dB (900 MHz)  
0 dB (1800 MHz)

Load capacity:  
max. 30 W

#### CELLULAR

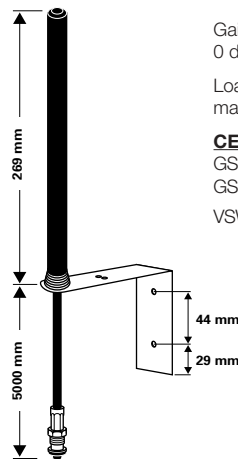
AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
VSWR ≤ 2.0



### MCA 18 90 STAT

Outdoor antenna  
for fix wall mount

Ord. code 602 341-001



Gain <sup>1)</sup>:  
0 dB

Load capacity:  
max. 30 W

#### CELLULAR

GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
VSWR ≤ 2.0



### MCA 21 90 BASE

Outdoor antenna  
for fix mast and wall mount

Ord. code 602 383-001

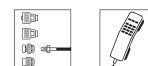


Gain:  
9 dBi

Load capacity:  
max. 20 W

#### CELLULAR

GSM 900: 880-960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
VSWR ≤ 2.0





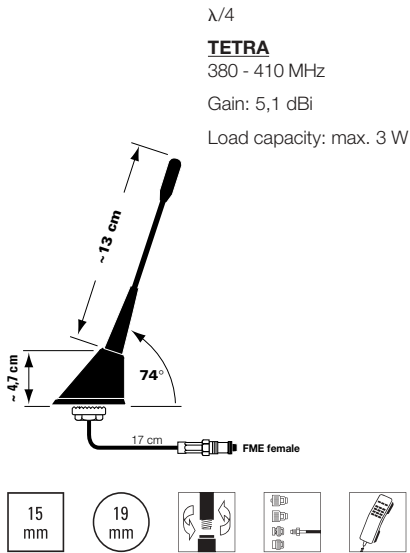


**TETRA and WLAN/BLUETOOTH antennas**

**MCA 400 V FLEX**

Roof mounted antenna

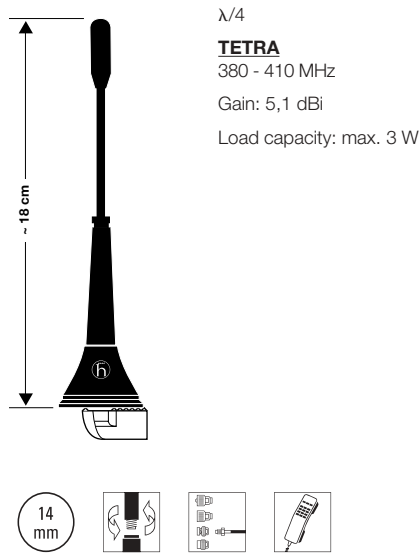
Ord. code 602 397-001



**MCA 4080 FLEX**

Roof mounted antenna

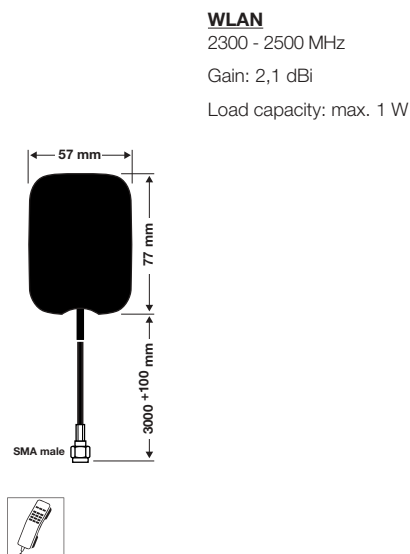
Ord. code 602 394-001



**MCA 2400 PA/SMA/3.0**

Patch antenna

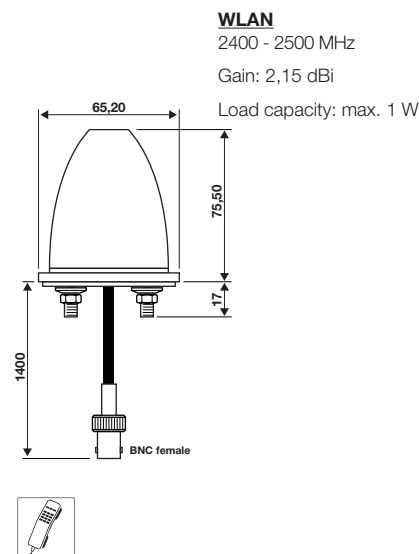
Ord. code 602 399-001



**MCA 2400 RF**

Outdoor antenna

Ord. code 602 398-001





## Antenna heads for M 18 x 0,75

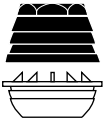
### AUTA 4220

Universal antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 822 649-002



0 - 20°

### AUTA 4103 SW

Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 821 963-003

Discontinued



23°

### AUTA 4102 SW

Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 821 962-003



28°

### AUTA 4222 SW

Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 821 964-003



34°

### AUTA 4243

Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 820 393-003

Discontinued



39°

### AUTA 4259

Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 820 649-003



43°

### MCA 4532

Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

Ord. code 822 135-001

BMW: 7.. (E32), SAAB: 9000 CD Notchback



10°

Discontinued



## Antenna heads for M 18 x 0,75

### MCA 4534

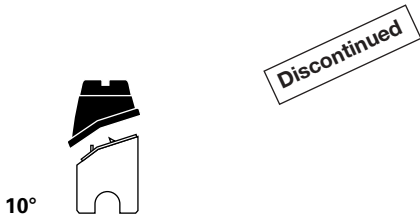
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 136-001**

BMW: 5.. (E 34) Limousine



10°

### MCA 45 W 201

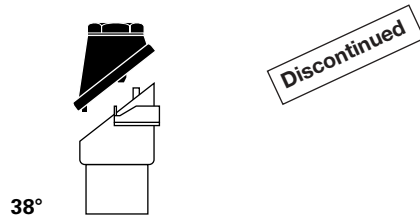
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 195-003**

MERCEDES BENZ: W 201 05.87 →



38°

### MCA 45 W 202

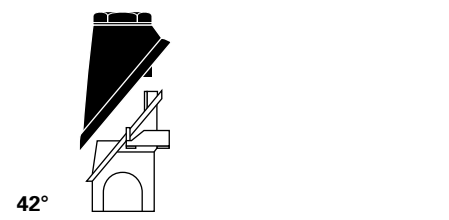
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 823 151-001**

MERCEDES BENZ: W 202 C-Class-Lim.



42°

### MCA 4524

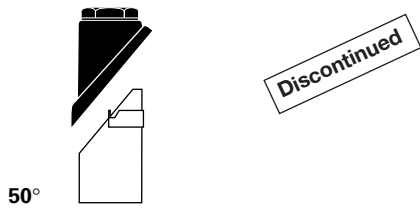
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 821 718-001**

MERCEDES BENZ: W 124 Lim. → 08.88,  
FORD: Scorpio Hatchback → 94



50°

### MCA 45 S 124

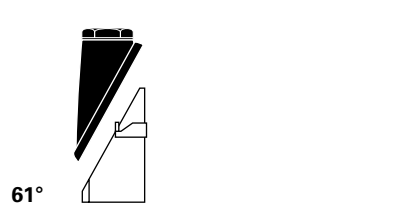
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 197-003**

MERCEDES BENZ: S 124 E-Class-T-Lim.  
→ 03.96



61°

### MCA 45 ACW 124

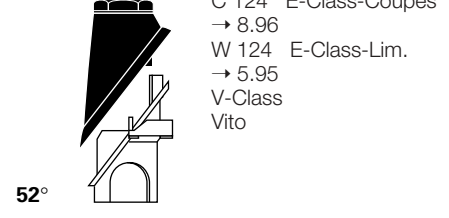
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 857-003**

MERCEDES BENZ: A 124 E-Class-Cabrios  
→ 97  
C 124 E-Class-Coupés  
→ 8.96  
W 124 E-Class-Lim.  
→ 5.95  
V-Class  
Vito



52°

### MCA 45 W 210

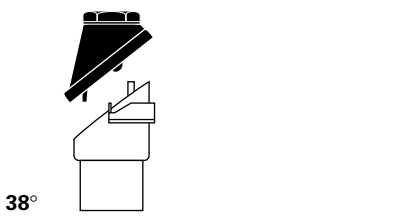
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 823 288-001**

MERCEDES BENZ: W 210 E-Class-Lim.  
→ 06.96



38°

### MCA 45 W 140

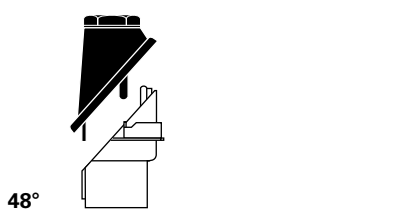
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 689-001**

MERCEDES BENZ: W 140 S-Class-Lim.



48°

### MCA 45 C 140

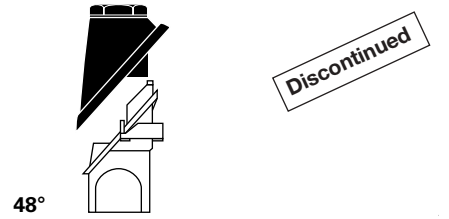
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 858-001**

MERCEDES BENZ: C 140  
S-Class-Coupés CL



48°



## Antenna heads for M 18 x 0,75

### MCA 45 R 129

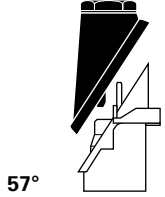
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 440-003**

MERCEDES BENZ: R 129  
Roadster SL



### MCA 45 OSV

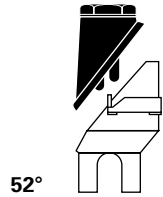
Special antenna head

For MCA ...

4570, 4571, 4590, 4670, 4690, 4 01 70,  
2 01 70, 2 41 70, 7 40 99, 7 41 98,  
9 15 41, 9 17 41

**Ord. code 822 294-001**

OPEL: Omega Limousines, Senator,  
Vectra Limousines




**Antenna cables**
**VK-SB SUPER-LOW-LOSS ...**

Connecting cable


*Single retail pack*

Type	Length	Single packing	Ord. code
VK-SB SUPER-LOW-LOSS 100	100 cm	1 Piece	823 122-014
VK-SB SUPER-LOW-LOSS 200	200 cm	1 Piece	823 122-015
VK-SB SUPER-LOW-LOSS 300	300 cm	1 Piece	823 122-016
VK-SB SUPER-LOW-LOSS 400	400 cm	1 Piece	823 122-017
VK-SB SUPER-LOW-LOSS 500	500 cm	1 Piece	823 122-018

**VK SUPER-LOW-LOSS ...**

Connecting cable


*Bulk workshop pack*

Type	Length	Pack qty.	Ord. code
VK SUPER-LOW-LOSS 100	100 cm	20 Pieces	823 122-019
VK SUPER-LOW-LOSS 200	200 cm	20 Pieces	823 122-020
VK SUPER-LOW-LOSS 300	300 cm	20 Pieces	823 122-021
VK SUPER-LOW-LOSS 400	400 cm	10 Pieces	823 122-022
VK SUPER-LOW-LOSS 500	500 cm	10 Pieces	823 122-023



VK SUPER-LOW-LOSS FMEf/SMAm 500	500 cm	10 Pieces	602 340-001
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**VK 174 FMEf/FMEf 250**

Connecting cable RG 174

*Discontinued*
**Ord. code 823 275-001**

Cable length: 250 cm


**VK 174 FMEf/SMAm 500**

Connecting cable

**Ord. code 602 343-001**

Cable length: 500 cm





## Antenna cables

### AUKAB 9 16

Adapter cable

For MCA 9 16 V FLEX, 4 16 V FLEX  
for VW- and OPEL-cars

Ord. code 822 985-001



### AUKAB 9 17

Adapter cable

For MCA 9 16 V FLEX, 4 16 V FLEX  
for AUDI-cars

Ord. code 823 266-002



### AUKAB 9 18 VW

Adapter cable

For HIT AUTA 16 V FLEX/  
MCA 9 18 V FLEX  
for VW-cars

Ord. code 823 391-001



### AUKAB 9 18 AUDI

Adapter cable

For MCA 9 18 V FLEX  
for AUDI-cars

Ord. code 823 392-001



### AUKAB 9 16 RAST 2

Adapter cable

For MCA 9 16 V FLEX, 4 16 V FLEX  
for VW Passat 10.96 →

Ord. code 823 555-001



Discontinued

### AUKAB 9 18 RAST 2

Adapter cable

For HIT AUTA 16 V FLEX/  
MCA 9 18 V FLEX  
for VW Passat 10.96 →

Ord. code 823 556-001



### MOKAB FMEf/RAST 2

Adapter cable

For VDA pre-fitting  
VW/AUDI, OPEL

Ord. code 823 817-001



Discontinued

### MOKAB FMEf/WICLICf

Adapter cable

For VDA pre-fitting  
VW

Ord. code 823 910-001



Discontinued

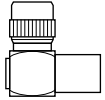


## Accessories

### KVS/MINI UHF WINKEL

Mini adapter plug,  
rectangular  
FME male - MINI UHF male

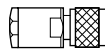
**Ord. code 602 375-001**



### KVS/MINI UHF

Mini adapter plug  
FME male - MINI UHF male

**Ord. code 822 964-001**



### KVS/BNC

Adapter plug  
FME male - BNC male

**Ord. code 822 277-002**



### KVS/SMAm

Adapter plug  
FME male - SMA male

**Ord. code 602 376-001**



### KVS/TNC

Adapter plug  
FME male - TNC male

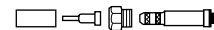
**Ord. code 822 279-002**



### KVB

FME cable plug  
FME female

**Ord. code 602 370-001**



### KVK

Cable connector  
FME male - FME male

**Ord. code 602 371-001**





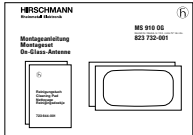
## Accessories

### MS 910 OG

Mounting set

For MCA 9 00 OG and MCA 9 01 OG  
and MCA 18 90 OG, 18 91 OG

**Ord. code 823 732-001**

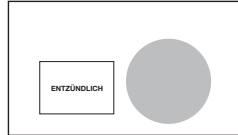


### MS 18 90 MP

Mounting set

For MCA 18 90 MP

**Ord. code 602 318-001**

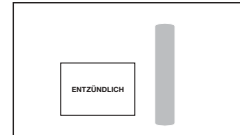


### MS 18 90 SLIM

Mounting set

For MCA 18 90 SLIM

**Ord. code 602 316-001**

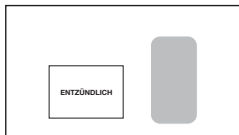


### MS 18 90 SQ

Mounting set

For MCA 18 90 SQ

**Ord. code 602 309-001**

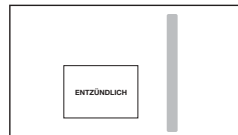


### MS 18 90 STRIPE

Mounting set

For MCA 18 90 STRIPE

**Ord. code 602 362-001**





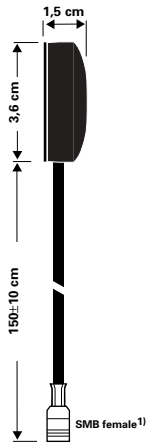


## GPS antennas

### GPS 5 M

GPS-Ceramics Patch antenna, for Car Navigation and Telematic Systems, magnetic

Ord. code 602 349-001

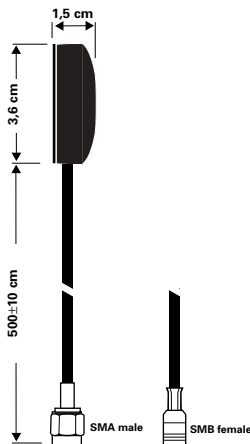


Gain: 2 dBic  
Amplification: 26 dB  
Voltage supply:  
3 V – 5 V ± 0,5 V DC

### GPS 5 M/5.0/SMAm GPS 5 M/5.0/SMBf

GPS-Ceramics Patch antenna, for Car Navigation and Telematic Systems, magnetic

Ord. code 602 349-003  
Ord. code 602 349-002

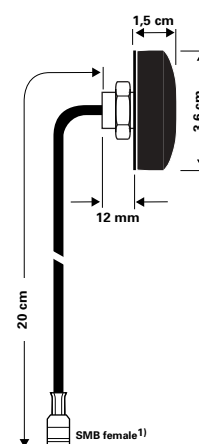


Gain: 2 dBic  
Amplification: 26 dB  
Voltage supply:  
3 V – 5 V ± 0,5 V DC

### GPS 5 S

GPS-Ceramics Patch antenna, for Car Navigation and Telematic Systems, screwable

Ord. code 602 351-001



Gain: 2 dBic  
Amplification: 26 dB  
Voltage supply:  
3 V – 5 V ± 0,5 V DC



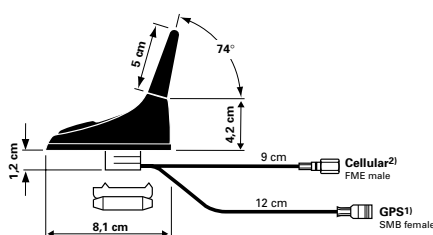
### GPS 9 16 V FLEX

GPS-, Cellular-Roof mounted antenna for Car Navigation and Telematic Systems, screwable

Ord. code 602 365-001

Replacement rod Ord. code 602 347-001

<b>GPS</b> Gain: typ. 2 dBic Amplification: 24 dB Voltage supply: 3 - 5 VDC (remote fed)	<b>CELLULAR</b> Gain: typ. 0 dB AMPS: 824-894 MHz GSM 900: 880 -960 MHz GSM 1800:1710-1880 MHz GSM 1900:1850-1990 MHz UMTS: 1900-2170 MHz
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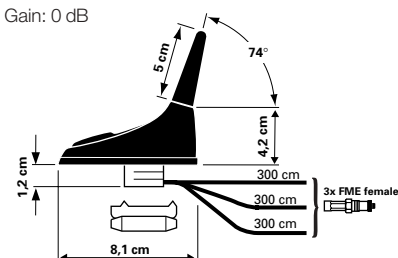


### GPS 2400 CELLULAR/FME

Combined Roof mounted antenna for Car Navigation and Telematic Systems

Ord. code 602 392-001

<b>GPS</b> Gain: 2 dBic typ Amplification: 24 dB ±4 dB Voltage supply: 3 - 5 VDC	<b>WLAN</b> Frequency: 2400 - 2484 MHz Gain: 0 dB
<b>CELLULAR</b> AMPS: 824-894 MHz GSM 900: 880 -960 MHz GSM 1800:1710-1880 MHz UMTS: 1900-2170 MHz Gain: 0 dB	

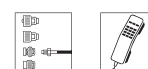
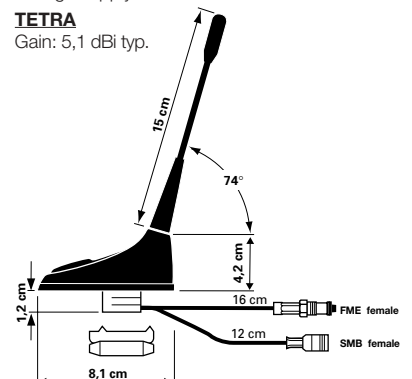


### GPS 400 V FLEX

Combined Roof mounted antenna for Car Navigation and Telematic Systems

Ord. code 602 395-001

<b>GPS</b> Gain: 2 dBic typ Amplification: 24 dB ±4 dB Voltage supply: 3 - 5 VDC	<b>TETRA</b> Gain: 5,1 dBi typ.
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## GPS antennas

### GPS 940 V FLEX

Combined Roof mounted antenna for Car Navigation and Telematic Systems

Ord. code 602 396-001

#### GPS

Gain: 2 dBi typ  
Amplification: 24 dB ±4 dB  
Voltage supply: 3 - 5 VDC

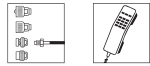
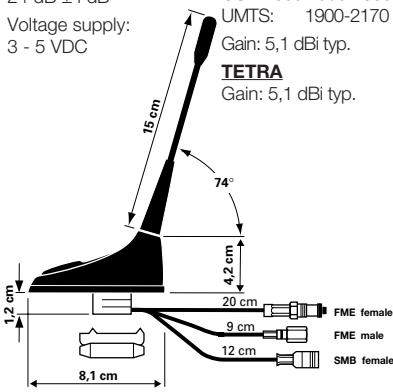
#### CELLULAR

GSM 900: 880-960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz

Gain: 5,1 dBi typ.

#### TETRA

Gain: 5,1 dBi typ.



### GPS 9 18 V FLEX

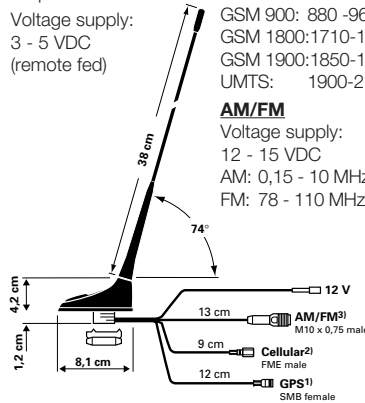
GPS-, Cellular-, AM/FM- Roof mounted antenna for Car Navigation and Telematic Systems, screwable

Ord. code 602 366-001

Replacement rod Ord. code 602 348-001

#### GPS

Gain: typ. 2 dBiC  
Amplification: 24 dB  
Voltage supply: 3 - 5 VDC (remote fed)



### GPS 925

GPS-, Cellular-, AM/FM- Roof mounted antenna for Car Navigation and Telematic Systems, screwable

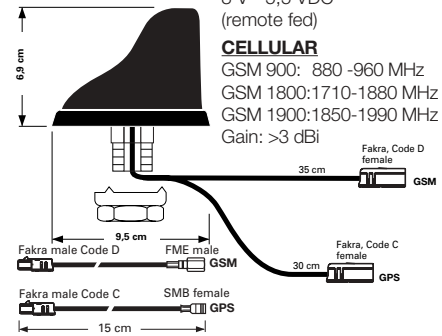
Bestell-Nr. 920 014-003

#### GPS

Gain: 2 dBiC typ  
Amplification: 27 dB  
Voltage supply: 3 V - 5,5 VDC (remote fed)

#### CELLULAR

GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
Gain: >3 dBi



### GPS 18 90 PA/SMAM

GPS-, Cellular- Patch antenna (interior front window mount) for Car Navigation and Telematic Systems

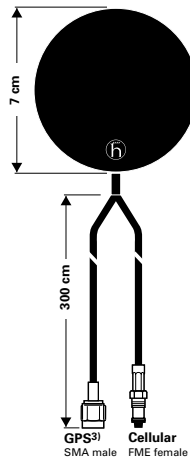
Ord. code 602 323-001

#### GPS

Gain: 4,5 dBiC  
Amplification: typ. 25 dB  
Voltage supply: 3 V - 5 VDC

#### CELLULAR

AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
Gain: 1,5 - 2,0 dBi



### GPS 18 90 PA/SMBf

GPS-, Cellular- Patch antenna (interior front window mount) for Car Navigation and Telematic Systems

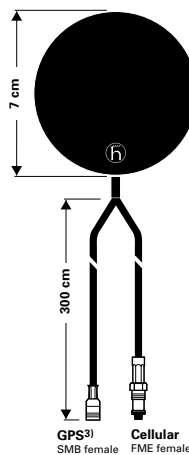
Ord. code 602 323-002

#### GPS

Gain: 4,5 dBiC  
Amplification: typ. 25 dB  
Voltage supply: 3 V - 5 VDC

#### CELLULAR

AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
Gain: 1,5 - 2,0 dBi



### GPS 18 90 PA/MCXm

GPS-, Cellular- Patch antenna (interior front window mount) for Car Navigation and Telematic Systems

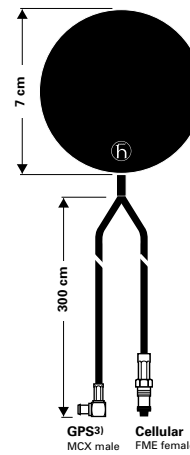
Ord. code 602 323-003

#### GPS

Gain: 4,5 dBiC  
Amplification: 25 dB typ.  
Voltage supply: 3 V - 5,5 VDC

#### CELLULAR

AMPS: 824-894 MHz  
GSM 900: 880 -960 MHz  
GSM 1800: 1710-1880 MHz  
GSM 1900: 1850-1990 MHz  
UMTS: 1900-2170 MHz  
Gain: 1,5 - 2,0 dBi





## GPS antennas

### GPS MULTI M

Combined Roof mounted antenna for Car Navigation and Telematic Systems

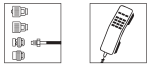
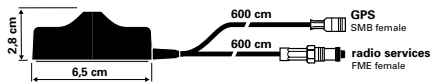
Ord. code 921 713-032

#### GPS

Gain: 5 dBic typ  
Amplification: 27 dB typ  
Voltage supply: 3 - 5 VDC

#### Radio services

Frequency range:  
68-86 MHz/144-176 MHz/  
380-470 MHz/410-430 MHz/  
450-470 MHz/880-960 MHz/  
1710-1880 MHz



### GPS MULTI S

Combined Roof mounted antenna for Car Navigation and Telematic Systems

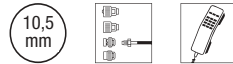
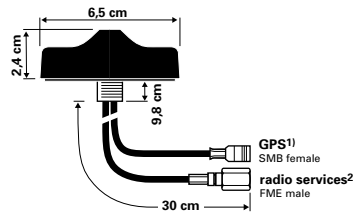
Ord. code 921 712-032

#### GPS

Gain: 5 dBic typ  
Amplification: 27 dB  
Voltage supply: 3 - 5 VDC

#### Radio services

Frequency range:  
68-86 MHz/144-176 MHz/  
380-470 MHz/410-430 MHz/  
450-470 MHz/880-960 MHz/  
1710-1880 MHz



### GPS MULTI S/FME/6.0

Combined Roof mounted antenna for Car Navigation and Telematic Systems

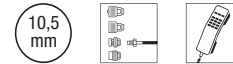
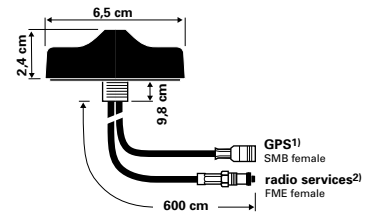
Ord. code 921 712-036

#### GPS

Gain: 5 dBic typ  
Amplification: 27 dB  
Voltage supply: 3 - 5 VDC

#### Radio services

Frequency range:  
68-86 MHz/144-176 MHz/  
380-470 MHz/410-430 MHz/  
450-470 MHz/880-960 MHz/  
1710-1880 MHz



<sup>1)</sup> Extension cables with different end connectors see p. 46

<sup>2)</sup> Connecting cable VK SUPER-LOW-LOSS see p. 37



## Rods for GPS MULTI Serie

### Rod ORBCOMM

ORBCOMM, AMPS, GSM 900

Ord. code 824 672-001



Frequency range:  
ORBCOMM  
Gain: 0 dB  
137 - 151 MHz  
AMPS  
824-896 MHz  
GSM 900  
Gain: 3 dB  
880 - 960 MHz

### Rod Universal

tuneable within the frequency range of 68-470 MHz

Ord. code 823 688-001



Gain: 0 dB  
Frequency range:  
4 m-Band  
68 - 86 MHz  
2 m-Band  
144-176 MHz  
70 cm-Band  
410 - 430 MHz  
- Trunk radio  
- TETRA  
- ISM 433

### Rod GSM-/Dual band

GSM 900, GSM 1800

Ord. code 602 359-001

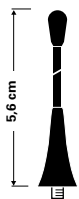


Gain: 0 dB  
Frequency range:  
GSM 900  
880 - 960 MHz  
GSM 1800  
1710-1880 MHz

### Rod AMPS/GSM 900

AMPS, GSM 900

Ord. code 823 700-001



Gain: 0 dB  
Frequency range:  
AMPS  
824-894 MHz  
GSM 900  
880 - 960 MHz



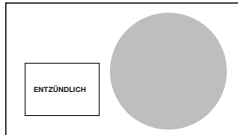
## Accessories

### MS 18 90 PA

Mounting set

For GPS 18 90 PA



**Ord. code 602 324-001**







## GPS cables



### VK 174 SMBm/SMAM...

Extension cable	Type	Length	Pack qty.	Ord. code
	VK 174 SMBm/SMAM 300	300 cm	25 Pieces	823 684-003
	VK 174 SMBm/SMAM 500	500 cm	25 Pieces	823 684-005

### VK 174 SMBm/SMBf...

Extension cable	Type	Length	Pack qty.	Ord. code
	VK 174 SMBm/SMBf 300	300 cm	25 Pieces	823 641-003
	VK 174 SMBm/SMBf 500	500 cm	25 Pieces	823 641-005

### VK 174 SMBm/GT5f...

Extension cable	Type	Length	Pack qty.	Ord. code
	VK 174 SMBm/GT5f 300	300 cm	25 Pieces	823 808-003
	VK 174 SMBm/GT5f 500	500 cm	25 Pieces	823 808-005

### VK 174 SMBm/WICLICm...

Extension cable	Type	Length	Pack qty.	Ord. code
	VK 174 SMBm/WICLICm 500	500 cm	25 Pieces	824 501-005

### VK 174 SMBm/MCXm ...

Extension cable	Type	Length	Pack qty.	Ord. code
	VK 174 SMBm/MCXm 200	200 cm	25 Pieces	823 915-002
	VK 174 SMBm/MCXm 500	500 cm	25 Pieces	823 915-005

### VK 174 SMBm/FMEf ...

Extension cable	Type	Length	Pack qty.	Ord. code
	VK 174 SMBm/FMEf 300	300 cm	25 Pieces	823 685-003
	VK 174 SMBm/FMEf 500	500 cm	25 Pieces	823 685-005

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AP 9012/11	Antenna duplexer (900 MHz + radio), for MCA 9 17 41 and MCA 4690	822 587-001	29
AUKAB 41/15	Adapter cable new radio socket VW	821 976-001	26
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AUKAB 43/15	Adapter cable new radio socket OPEL	822 155-003	26
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AUKAB 435/17	Adapter cable	825 870-001	26
AUKAB 445/150	Connecting cable screw connection, l = 150 cm	825 986-012	27
AUKAB 485/485	Connecting cable screw connection, l = 485 cm	825 720-017	27
AUKAB 9 16	Adapter cable for MCA 9 16 V/4 16 V FLEX for VW/OPEL-cars	822 985-001	38
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AUKAB 9 17	Adapter cable for MCA 9 16 V/4 16 V FLEX for AUDI-cars	823 266-002	38
AUKAB 9 18 AUDI	Adapter cable for MCA 9 18 V FLEX for AUDI-cars	823 392-001	38
AUKAB 9 18 RAST 2	Adapter cable for HIT AUTA 16 V FLEX	823 556-001	27
AUKAB 9 18 RAST 2	Adapter cable for MCA 9 18 V FLEX for VW Passat 10.96 →	823 556-001	38
AUKAB 9 18 VW	Adapter cable for HIT AUTA 16 V FLEX	823 391-001	27
AUKAB 9 18 VW	Adapter cable for MCA 9 18 V FLEX for VW-cars	823 391-001	38
AUKAB KAST 42/RAST 2	Adapter cable for SMART	823 823-001	26
AUTA 10	Aperture cover for 18 - 24 mm Ø	922 731-000	22
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AUTA 74 F W 201/2	Mounting kit for MB W 201 05.87 →	822 893-001	6
AUTA 74 F W 202	Mounting kit for MB W 202 C-Class	823 130-001	7
AUTA 74 F W 210	Mounting kit for MB W 210 06.95 →	823 417-001	6
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AUTA 1480 A	Retractable antenna for VW Beetle/Bus/Transporter → 08.90, Passat 04.88 → 10.93	923 450-022	14
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AUTA 2670 A	Retractable antenna Universal 0 - 38°	920 624-011	13
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AUTA 3100 C 909	Retractable antenna for VW Bus/Transporter T4 9.90 →, 150 Ω impedance	921 400-001	13
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AUTA 4220	Antenna head 0 - 20°, for MCA ...	822 649-002	34
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AUTA 4243	Antenna head 39°, for AUTA 6000 KE 14, ...	820 393-003	18
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AUTA 8254	Antenna head 54°, for AUTA 6000 KE1/11, HIT AUTA 3000 FLEX, 5091, 5091 SW, 2040, 2040 SW	821 740-005	21
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## G

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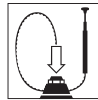
## Overview of pictographs



Mast Chromium-plated brass,  
corrosion-resistant



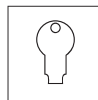
Stainless steel mast, corrosion-resistant



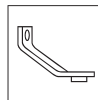
Mast replacement possible  
without removing the aerial



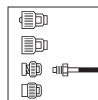
Removeable mast



The mast can be completely retracted  
and extended again with the supplied  
key



Vehicle-specific bracket included  
in scope of deliver



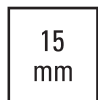
“KVB“ connection technique



Only for car telephone reception



Parallel car radio operation



Drill hole



Drill hole as template

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