

# Injection Valve EV 6

www.bosch-motorsport.com



- ▶ Single beam or twin beam
- ▶ Flow rate at 3 bar: up to 962 cm<sup>3</sup>/min
- ▶ Spray angle 15 to 70°

EV 6 injection valves are designed to inject the fuel as efficiently as possible into the intake manifold runner to achieve a homogeneous distribution of fuel in air flow.

EV 6 injection valves feature high corrosion resistance and excellent engine start characteristics. The hydraulic connections of the Bosch injection valves EV 6, EV 12 and EV 14 are compatible.

## Application

### Fuel Filter Requirements

Particle size	≥ 5 µm
Max. particle size	35 µm
Separation rate	≥ 82 %

## Technical Specifications

### Mechanical Data

System pressure	Max. 8 bar
Weight	≤ 55 g
Fuel input	Top-feed injector
Operating temperature	-40 to 110°C
Permissible fuel temperatures	≤ 70°C

Climate-proof corresponding to saline fog test DIN 50 021	
Housing design	Standard (S), Long (L)
Spray type	C (Conical Spray) or E (2-Spray)
Flow rate at 3 bar (n-heptane)	134 to 962 cm <sup>3</sup> /min 92 to 658 g/min
Spray angle α	15 to 70°
Bent angle γ	0 to 20°
Coil resistance	1.2 to 16 Ω
Fuel compatibility	E85 / M100 (after Methanol-operating the valves must be flushed with normal gasoline-fuel)

### Electrical Data

Power supply	6 to 16.5 V
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### Connectors and Wires

Connectors	Jetronic, Sumitomo, Motorsport connectors
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### Installation Notes

Please ask for more information before ordering.

Injectors with low resistance are only supplied with a peak and hold power stage.

### Ordering Information

**EV 6 CS, 116 g/min n-heptane**

Order number **0 280 156 194**

**EV 6 CL, 261 g/min n-heptane**

Order number **0 280 155 868**

**EV 6 EL, 261 g/min n-heptane**

Order number **0 280 155 830**

**EV 6 ES, 269 g/min n-heptane**

Order number **0 280 156 063**

**EV 6 CS, 310 g/min n-heptane**

Order number **0 280 156 012**

**EV 6 CS, 658 g/min n-heptane**

Order number **B 280 434 499-02**

### Accessories

**Clip for locking bush of plastic**

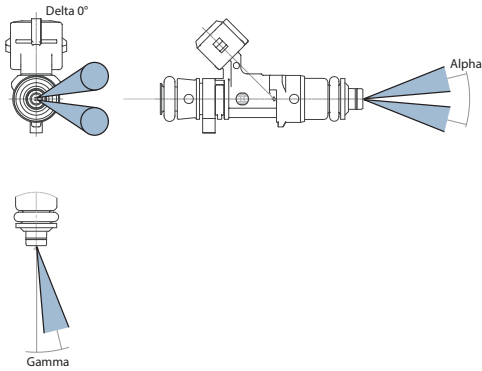
Order number **2 431 314 004**

**Clip for locking bush of steel**

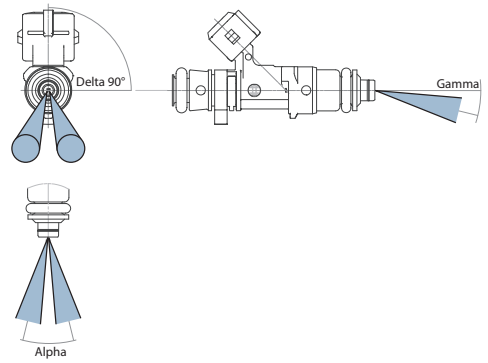
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Dimensions

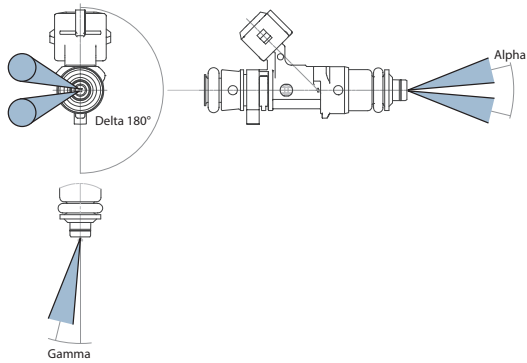
Spray bent to the „right“, Delta=0°



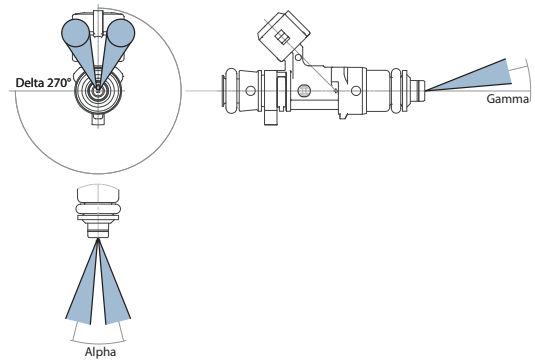
Spray bent „down“ (away from electr. connector), Delta=90°



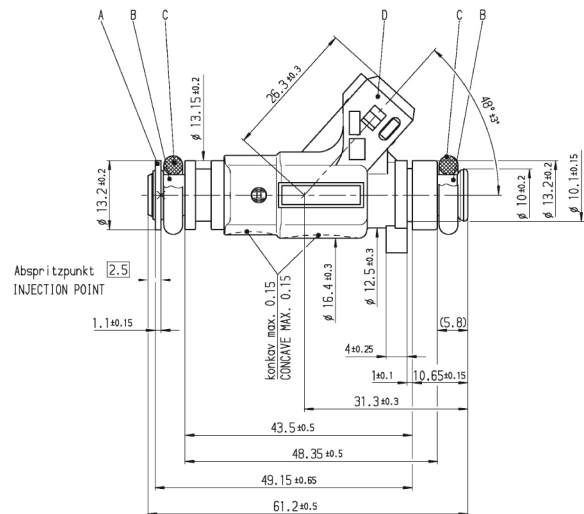
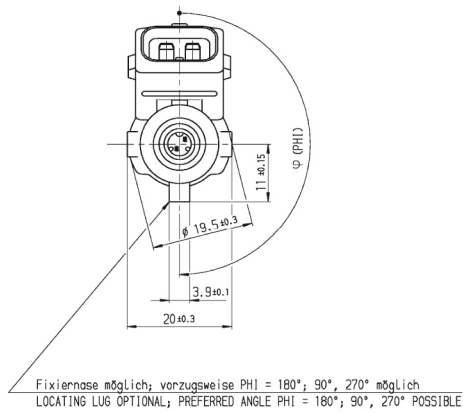
Spray bent to the „left“, Delta=180°



Spray bent „up“ (towards electr. connector), Delta=270°

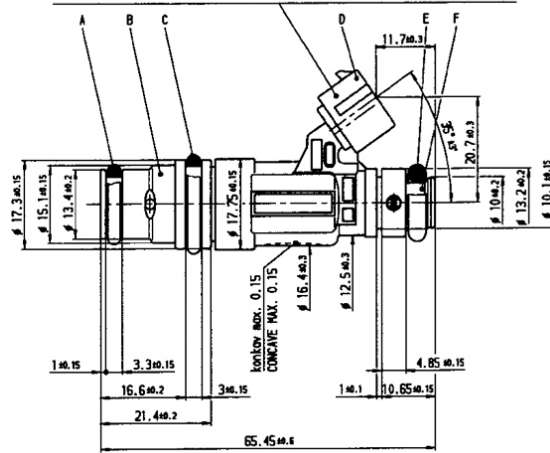


Delta Angel



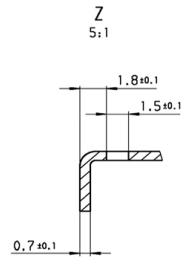
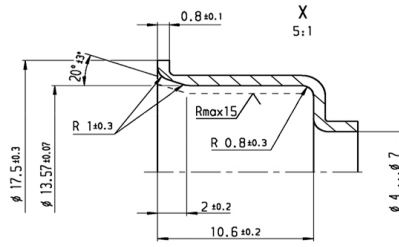
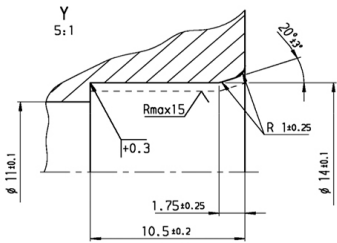
EV 6 Standard

Steckanschluß nach Zeichnung TAB 003 924 0 Blatt 2 Ausf. E vom 21.03.01  
 CONNECTOR ACCORDING TO DRAWING TAB 003 924 0 SHEET 2 VERSION E FROM 21.03.01

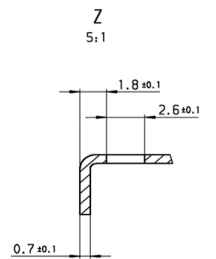
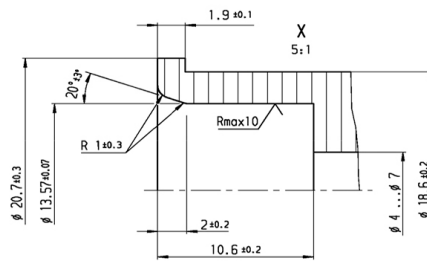
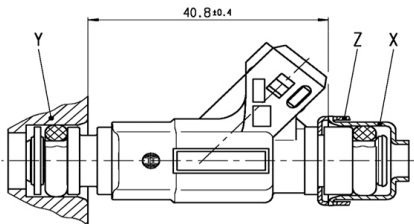


EV 6 Long

Version mit Stahl-Tasse  
 VERSION WITH STEEL-CUP

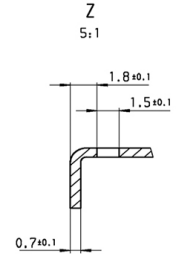
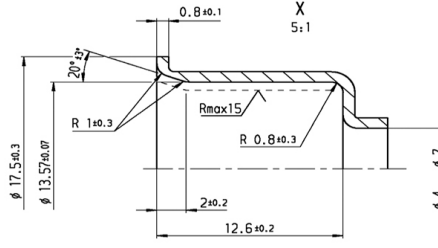
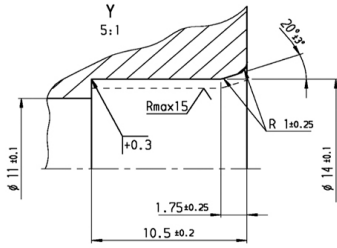


Version mit Kunststoff-Tasse  
 VERSION WITH PLASTIC-CUP

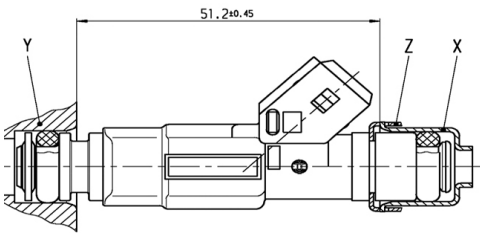


Mounting Instructions EV 6 Standard

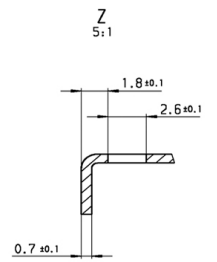
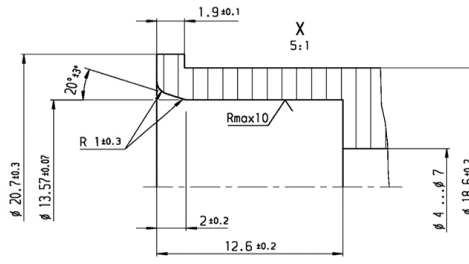
VERSION MIT STAHL-TASSE  
VERSION WITH STEEL-CUP



Version mit Kunststoff-Tasse  
VERSION WITH PLASTIC-CUP



Mounting Instructions EV 6 Long



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