

Injection Valve EV 6

www.bosch-motorsport.com



- ▶ Single beam or twin beam
- ▶ Flow rate at 3 bar: up to 962 cm³/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 ³ /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

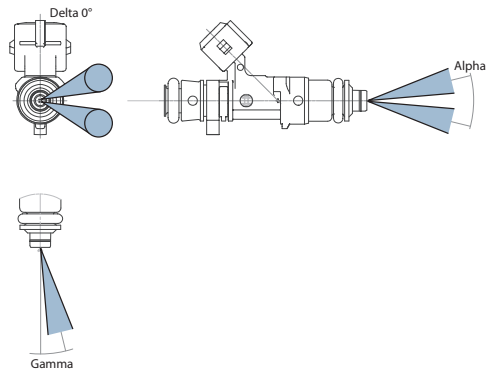
Accessories

Clip for locking bush of plastic
Order number 2 431 314 004

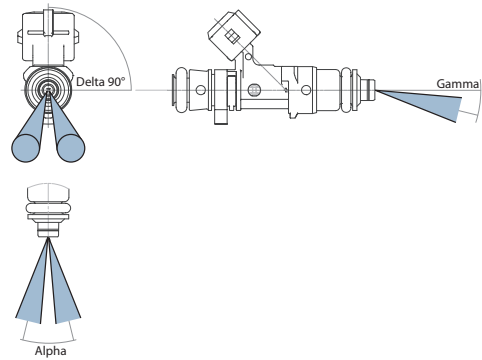
Clip for locking bush of steel
Order number 2 431 314 011

Dimensions

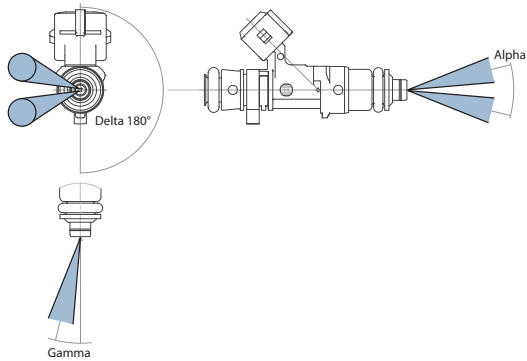
Spray bent to the „right“, Delta=0°



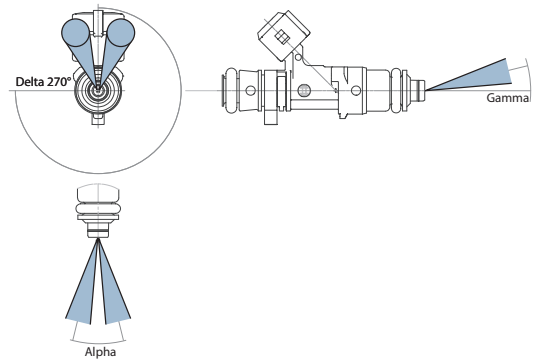
Spray bent „down“ (away from electr. connector), Delta=90°



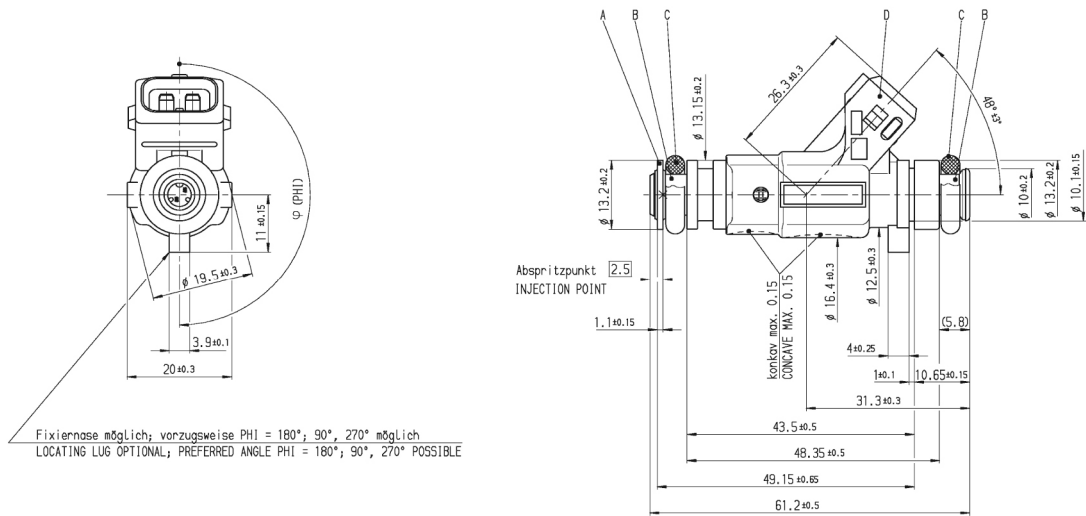
Spray bent to the „left“, Delta=180°



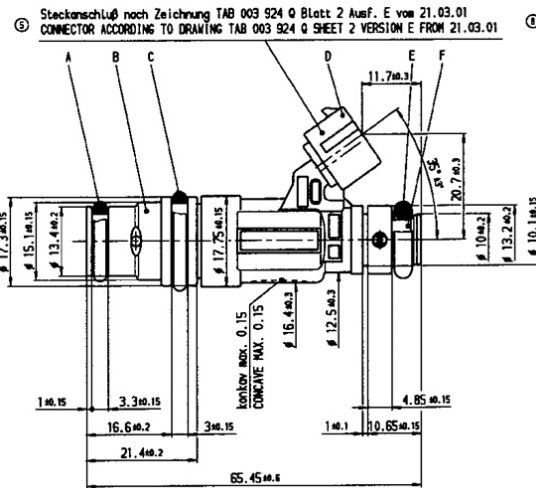
Spray bent „up“ (towards electr. connector), Delta=270°



Delta Angel

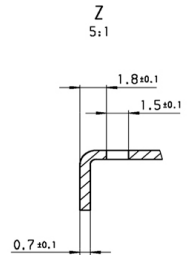
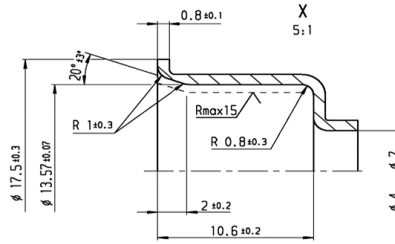
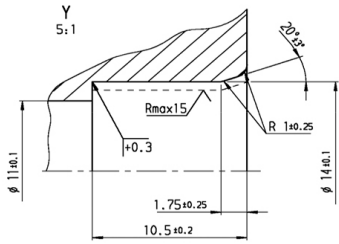


EV 6 Standard

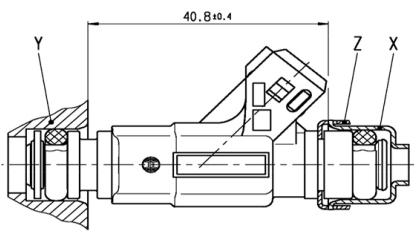


EV 6 Long

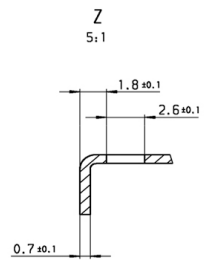
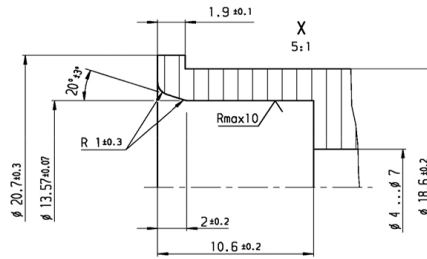
Version mit Stahl-Tasse
VERSION WITH STEEL-CUP



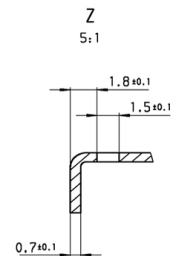
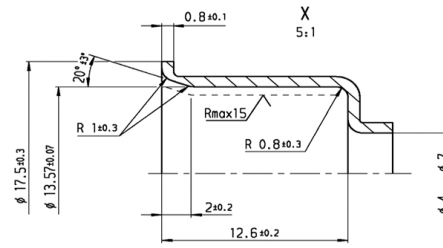
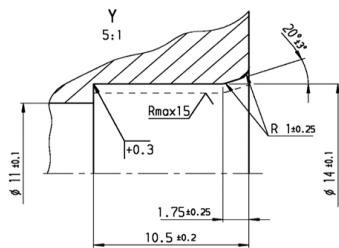
Version mit Kunststoff-Tasse
VERSION WITH PLASTIC-CUP



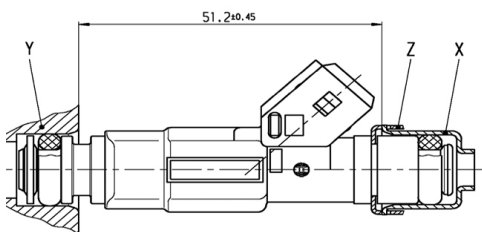
Mounting Instructions EV 6 Standard



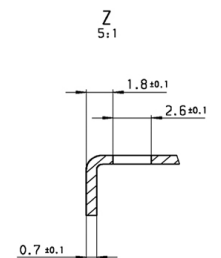
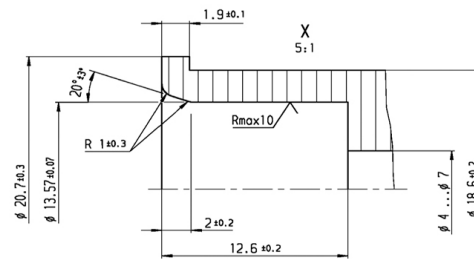
Version mit Stahl-Tasse
VERSION WITH STEEL-CUP



Version mit Kunststoff-Tasse
VERSION WITH PLASTIC-CUP



Mounting Instructions EV 6 Long



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