

Injection Valve EV 6

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BOSCH
Invented for life



- ▶ Single beam or twin beam
- ▶ Flow rate at 3 bar: up to 962 cm³/min (N-heptane)
- ▶ 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.

Installation Notes

Please ask for more information before ordering.

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

Communication

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

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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Ordering Information

EV 6, 116 g/min

Order number **0 280 156 194**

EV 6, 261 g/min

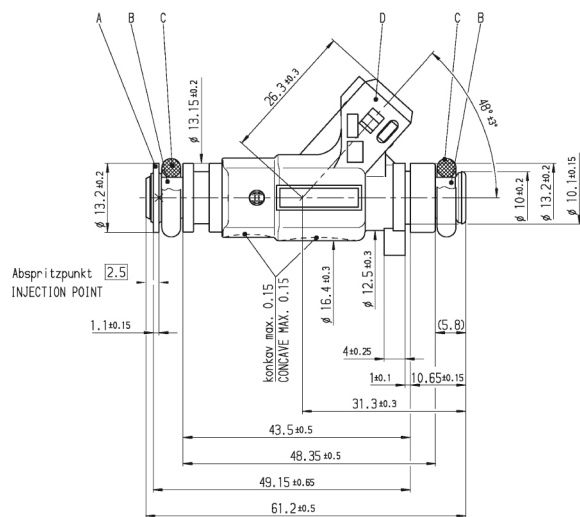
Order number **0 280 155 868**

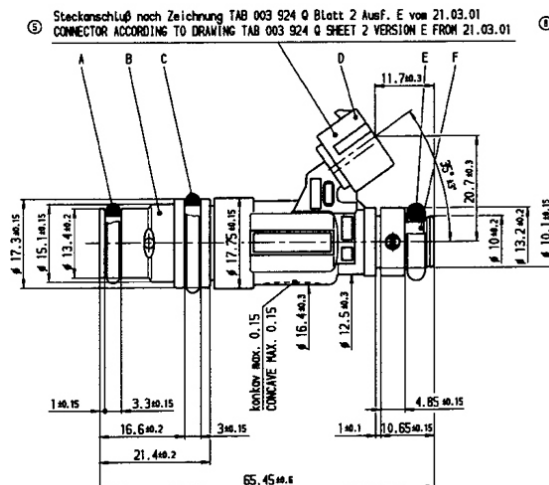
EV 6, 261 g/minOrder number **0 280 155 830****EV 6, 269 g/min**Order number **0 280 156 063****EV 6, 310 g/min**Order number **0 280 156 012****EV 6, 261 g/min**Order number **B 280 431 127-07****EV 6, 364 g/min**Order number **B 280 431 128-04****EV 6, 364 g/min**Order number **B 280 431 129-03****EV 6, 493 g/min**Order number **B 280 431 131-02****EV 6, 658 g/min**Order number **B 280 434 499-02**

Dimensions

**EV 6 CL 0 280 155 737****EV 6 EL 0 280 155 830****EV 6 CL 0 280 156 005****EV 6 CL 0 280 431 127-01****EV 6 CL 0 280 431 127-01****EV 6 CL 0 280 434 499-01**

Housing Variations





EV6 Long

EV 6 Variations

Variations of production type valves

Part Nr.	0 280 156 194	0 280 155 868	0 280 155 830	0 280 156 063	0 280 156 012
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Flow rate/min	116 g/170 cm ³	261 g/382 cm ³	261 g/382 cm ³	269 g/393 cm ³	310 g/453 cm ³
Type	C	C	E	E	C
Housing	S	L	L	L	S
α	15°	15°	20°	15°	20°
γ	0°	0°	0°	10°	5°
δ	-	-	90°	270°	90°
Resistance	14.5 Ω	12 Ω	12 Ω	12 Ω	12 Ω

Further variations are available on request

Variations of Motorsport valves

Part Nr.	B 280 431 127-07	B 280 431 128-04	B 280 431 129-03	B 280 431 131-02	B 280 434 499-02
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Flow rate/min	261 g/382 cm ³	364 g/533 cm ³	364 g/533 cm ³	493 g/721 cm ³	658 g/962 cm ³
Type	C	C	C	C	C
Housing	S	S	S	S	S
α80	70°	25°	70°	70°	25°
γ	0°	0°	0°	0°	0°
δ	-	-	-	-	-
Resistance	12 Ω	12 Ω	12 Ω	1.2 Ω	12 Ω

Further variations are available on request.

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