

## Injection Valve EV 6

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 all Bosch injection valves are compatible.



Application	
Fuel input	top-feed injector
Operating temperature	-40 ... 110°C
Permissible fuel temperatures	≤ 70°C
Climate-proof corresponding to saline fog test DIN 50 021	

Mechanical Data	
System pressure	max. 8 bar
Weight	≤ 55 g

Electrical Data	
Max. power supply	6 ... 16 V

Characteristic	
Housing design	standard, long
Connectors	Jetronic, Sumitomo and optional with motorsport connector
Spray type	C (single beam) or E (twin beam)
Flow rate at 3 bar	134 up to 962 cm <sup>3</sup> /min
Flow rate at 3 bar	92 up to 658 g/min (n-heptane)
Spray angle α	15° ... 70°
Bent angle γ	0° ... 20°
Coil resistance	1.2 ... 16 Ω

Application Hint	
Please ask for more information before ordering.	
Injectors with low resistance are only supplied with a peak and hold power stage.	

Examples of Series Production							
Flow rate at 3 bar (n-heptane)[g/min]	Flow rate at 3 bar [cm <sup>3</sup> /min]	Design	Type	Spray angle α80	Bent angle γ	Coil resistance	Part number
116	170	S	C	15°	0°	14.5 Ω	<b>0 280 156 194</b>
261	382	L	C	15°	0°	12 Ω	<b>0 280 155 868</b>
261	382	L	E	20°	0°	12 Ω	<b>0 280 155 830</b>
269	393	L	E	15°	10°	12 Ω	<b>0 280 156 063</b>
310	453	S	C	20°	5°	12 Ω	<b>0 280 156 012</b>

More than 400 versions are available on request.

**Examples for Motorsports**

Flow rate at 3 bar (n-heptane) [g/min]	Flow rate at 3 bar [cm <sup>3</sup> /min]	Design	Type	Spray angle $\alpha_{80}$	Bent angle $\gamma$	Coil resistance	Part number
261	382	S	C	70°	0°	12 $\Omega$	<b>B 280 431 127-07</b>
364	533	S	C	25°	15°	12 $\Omega$	<b>B 280 431 128-04</b>
364	533	S	C	70°	0°	12 $\Omega$	<b>B 280 431 129-03</b>
493	721	S	C	70°	0°	1.2 $\Omega$	<b>B 280 431 131-02</b>
658	962	S	C	25°	0°	12 $\Omega$	<b>B 280 434 499-02</b>

Further special motorsport versions are available on request.

**Some Examples**


EV 6 CL 0 280 155 737



EV 6 EL 0 280 155 830



EV 6 CS 0 280 156 005



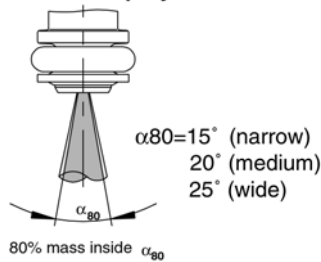
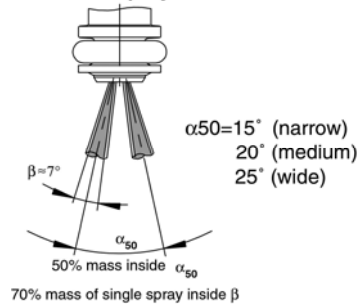
EV 6 CS B 280 431 127-07



EV 6 CS B 280 431 131-02

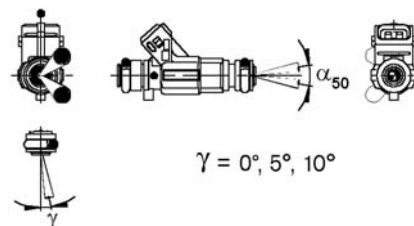
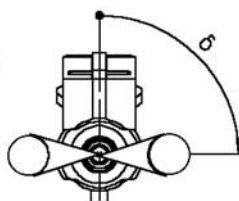


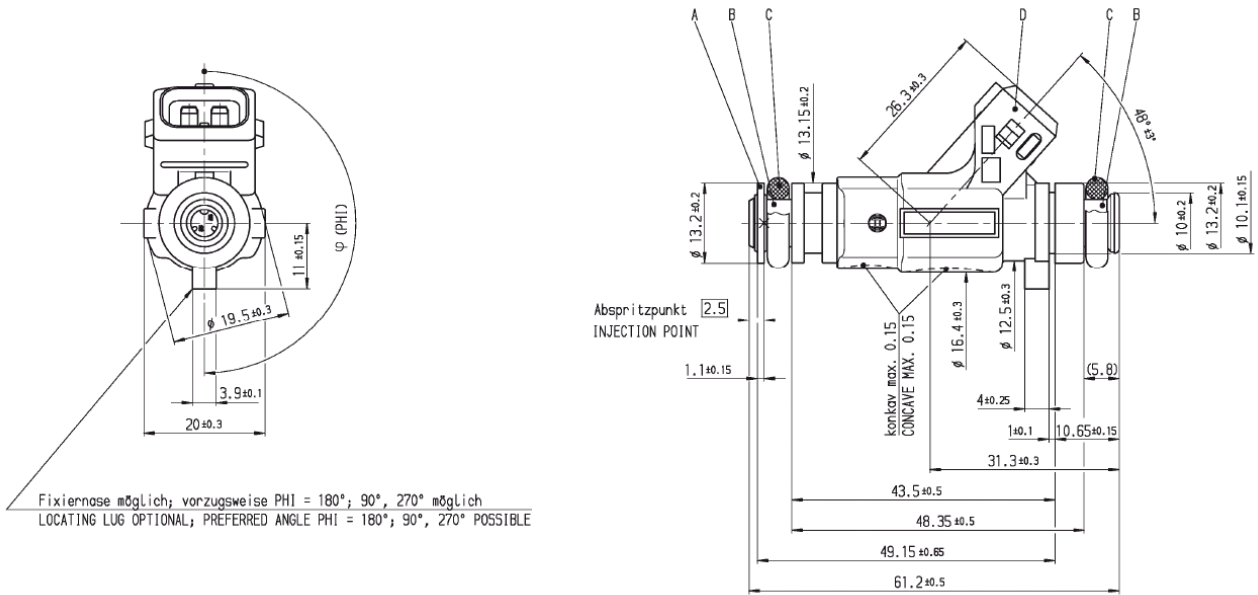
EV 6 CS B 280 434 499-01

**Spray Illustration**
**C: Conical Spray**

**E: 2-Spray**


Angle between connection and spray level ( $\delta = \text{delta}$ ):  
 (only 2-spray preparation)

$\delta = 0^\circ - 360^\circ$  possible



**EV 6 Standard**

**EV 6 Long**
