

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 ³ /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 ³ /min]	Design	Type	Spray angle α 80	Bent angle γ	Coil resistance	Part number
116	170	S	C	15°	0°	14.5 Ω	0 280 156 194
261	382	L	C	15°	0°	12 Ω	0 280 155 737
261	382	L	E	20°	0°	12 Ω	0 280 155 830
269	393	L	E	15°	10°	12 Ω	0 280 156 063
310	453	S	C	20°	5°	12 Ω	0 280 156 012

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 ³ /min]	Design	Type	Spray angle α_{80}	Bent angle γ	Coil resistance	Part number
261	382	S	C	70°	0°	12 Ω	B 280 431 127-07
364	533	S	C	25°	15°	12 Ω	B 280 431 128-04
364	533	S	C	70°	0°	12 Ω	B 280 431 129-03
493	721	S	C	70°	0°	1.2 Ω	B 280 431 131-02
658	962	S	C	25°	0°	12 Ω	B 280 434 499-02

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



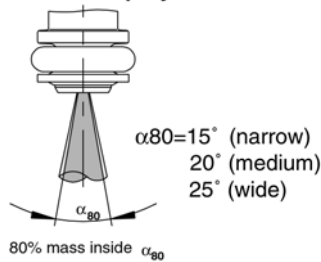
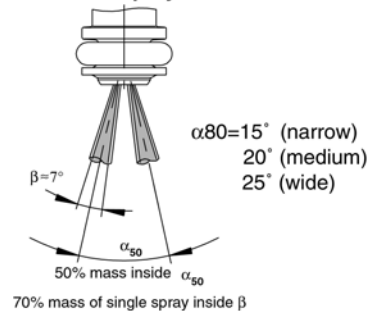
EV 6 CS B 280 431 127-07



EV 6 CS B 280 431 131-02

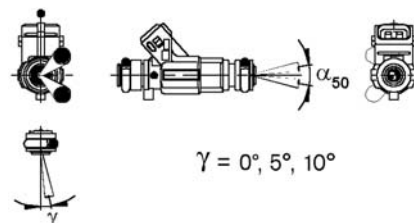
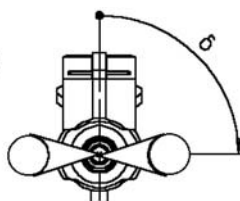


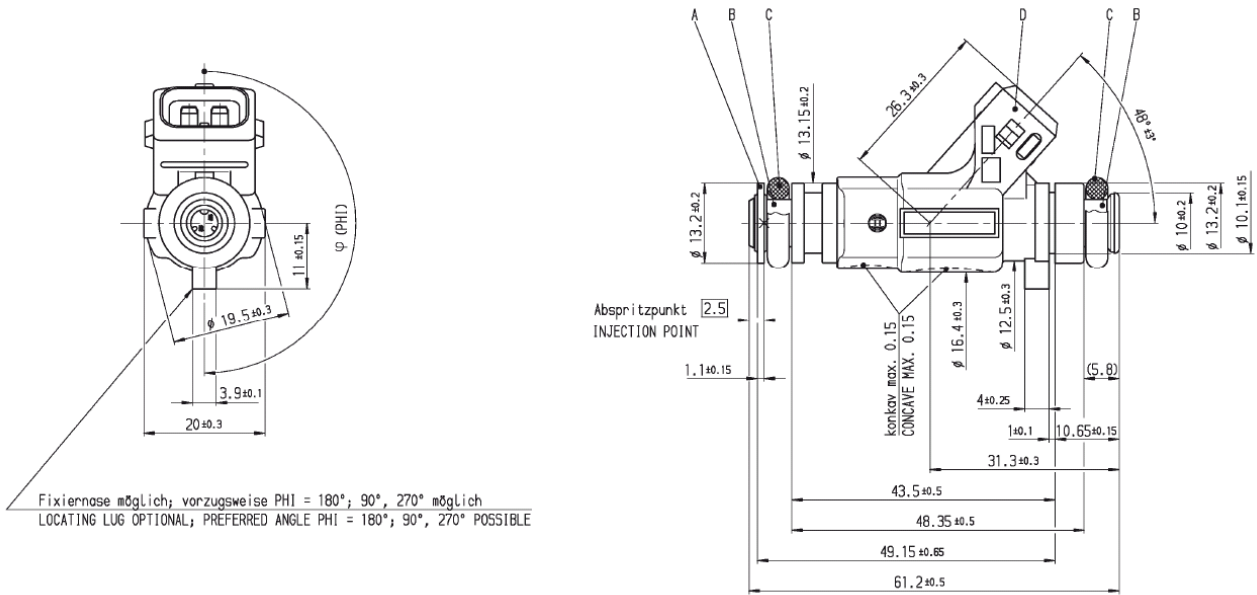
EV 6 CS B 280 434 499-01

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
