

**PRODUCT UPDATE – May 2022 (last update 01.08.2024)**



Our complete range of  
**NOZZLES FOR BOSCH® CRIN 4.2 INJECTORS**  
suitable for Detroit Diesel and Mercedes Benz

The CRIN 4.2 injectors are used on the Detroit Diesel DD16, DD15 and DD13 engines and on Mercedes Benz OM470/471 engines. This fuel system was first introduced in 2008. The injection pressure of the Common Rail system developed - with pressure boosting in the injector itself - can be freely modulated and flexibly adapted to current conditions. Called "X-Pulse" (Detroit Diesel: Amplified Common Rail System) by Mercedes-Benz, this system effectively controls the amount and timing of fuel injection based on engine operating conditions. The injection nozzle is an eight-hole nozzle (previously seven holes), which increases the maximum flow by around ten percent. The maximum rail pressure is 900 bar (2nd generation OM 471: 1160 bar), which achieves a maximum injection pressure of 2500 bar (2700 bar).

Check out in next pages our nozzles and parts



## BOSCH CRIN4.2 NOZZLE

Seven Code	Stamping	Injector	Liters	Engine	Main applications
71P538	F00VX50038	0445 120 207 0445 120 104 0986 435 539 0986 435 540	14.8L 15.6L	DD15 DD16	Detroit Diesel
71P559	F00VX50059	0445 120 194 0445 120 195 0986 435 537 0986 435 642	12.8L	471.905 DD13	Setra ComfortClass S407, TopClass S417 and Detroit Diesel
71P583	F00VX50083	0445 120 302 0445 120 303 0986 435 646	10.7L	OM470	Mercedes Actros, Antos and Arocs
71P5974	F00VX50174	0445 120 270 0445 120 271 0986 435 598	12.8L	OM471	Mercedes Actros, Antos, Arocs and Travego
71P5975	F00VX50175	0445 120 287 0445 120 288 0986 435 624	12.8L	OM471	Mercedes Actros, Antos and Arocs
71P5976	F00VX50176	0445 120 298 0445 120 299 0986 435 622	10.7L	OM470	Mercedes Actros, Antos, Arocs, Capacity, Citaro, Conecto and Integro



## INJECTORS SPARE PARTS





## TOOLS



**10150**  
Wrench 30mm  
For Bosch CRIN 4.2



**10151**  
Wrench 36mm  
For Bosch CRIN 4.2



**10152**  
Wrench for nozzle nut  
For Bosch CRIN 4.2



**10153**  
Fitting F16X1,5 / M14  
for tube  
For Bosch CRIN 4.2



**10154**  
Adapter for test  
bench  
For Bosch CRIN 4.2



**10155**  
Octagonal nut wrench  
For Bosch CRIN 4.2