



TIKKOS RACING



# HJS CATALOGUE

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Metallic Catalytic Substrates  
Tuning Universal OPFs  
MOTORSPORT - TUNING Catalyst  
Catalyst with FIA Homologation  
Diesel Particulate Filters  
Downpipes  
Cones - Spare Parts

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[www.tikkosracing.com](http://www.tikkosracing.com)

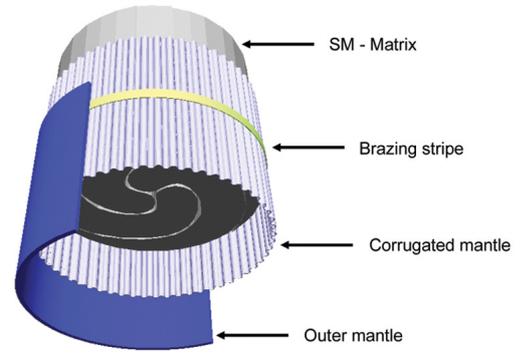
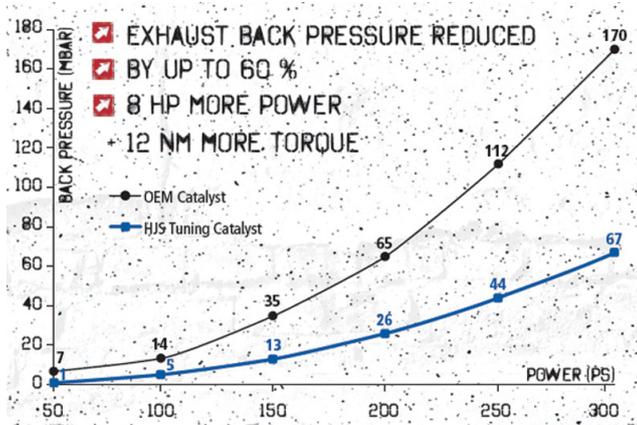


*Exclusive Distributor for Cyprus & Greece*

**MOTORSPORT**  
Winners Drive Clean

**SM**-type Cell design substrate with 3 centers for maximum performance and durability:

- Very High durability and strength
- Three centers are winding wound around one center
- High loading of precious metals
- Winding of three flat and corrugated foils
- Can be used for tuning purposes



**EURO 4**

**200cpsi**

<p><b>90603282</b> Diameter= 93mm Length= 130mm Euro4 / 200cpsi (Cells)</p>	<p><b>90603247</b> Diameter= 108mm Length= 100mm Euro4 / 200cpsi (Cells) <b>HF+ (For High Temperature)</b></p>	<p><b>90603248</b> Diameter= 108mm Length= 83mm Euro4 / 200cpsi (Cells)</p>	<p><b>90603295</b> Diameter= 130mm Length= 130mm Euro4 / 200cpsi (Cells) <b>HF+ (For High Temperature)</b></p>

**MOTORSPORT**  
Winners Drive Clean

**EURO 5/6**

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**200cpsi**



**90603180**  
Diameter= 108mm  
Length= 83mm  
Euro5/6 / 200cpsi (Cells)  
**TS** (For Max Pollution Reduction)



**90603250**  
Diameter= 108mm  
Length= 130mm  
OBD / 200cpsi (Cells)  
**HF+** (For High Temperature)  
Substrate with 2 Centers



**90603444**  
Diameter= 121mm  
Length= 112mm  
OBD / 200cpsi (Cells)  
**HD** (For Porsche and High Performance Cars)



**90603494**  
Diameter= 130mm  
Length= 112mm  
OBD/ 200cpsi (Cells)  
**HD** (For Porsche and High Performance Cars)



**90603498**  
Diameter= 143mm  
Length= 115mm  
OBD/ 200cpsi (Cells)  
**HD** (For Porsche and High Performance Cars)

**300cpsi**



**90603236**  
Diameter= 118mm  
Length= 85mm  
Euro5/6 / 300cpsi (Cells)  
**HD** (For Porsche and High Performance Cars)



**MOTORSPORT**

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**100cpsi**



**90603102**  
Diameter= 93mm  
Length= 130mm  
**100cpsi (Cells)**



**90603204**  
Diameter= 108mm  
Length= 100mm  
**100cpsi(Cells)**  
PE (Perforated Foil to reduce weight & Backpressure)



**90603105**  
Diameter = 108mm  
Length = 130mm  
**100cpsi(Cells)**



**90603341**  
Diameter= 121mm  
Length= 130mm  
**100cpsi(Cells)**  
HD (For Porsche and High Performance Cars)  
PE (Perforated Foil to reduce weight & Backpressure)



**90603254**  
Diameter = 130mm  
Length = 100mm  
**100cpsi(Cells)**  
PE (Perforated Foil to reduce weight & Backpressure)



**90603297**  
Diameter = 130mm  
Length = 130mm  
**100cpsi(Cells)**



**90603257**  
Diameter= 143mm  
Length= 100mm  
**100cpsi(Cells)**  
PE (Perforated Foil to reduce weight & Backpressure)



**90603258**  
Diameter= 153mm  
Length= 85mm  
**100cpsi(Cells)**  
PE (Perforated Foil to reduce weight & Backpressure)

## Universal Tuning Gasoline Particulate Filter

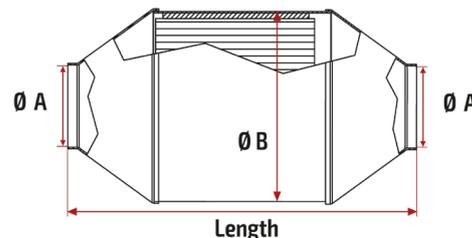
### Products exclusively for Exhaust systems manufacturer

The universal tuning OPFs were developed on the basis of our tuning Euro 6d-TEMP projects. Due to the higher porosity of the OPF cordierite material, the exhaust backpressure can be reduced and the sound image improved. With a cell count of 200cps, these particle filters are the right component for self-designed exhaust systems.

The universal tuning OPF can also be used as a retrofit solution for imported vehicles on the European market.

The approval of the petrol particle filters must be carried out by an officially recognised expert within the framework of an operating permit for the vehicle according to S21 StVZO. The individual approval (scope, procedure, costs) should be discussed in advance with an officially recognised expert on site. The adjustment and installation of the catalytic converter is your responsibility. We would like to point out that the exhaust emission behaviour of vehicles depends on many factors (engine performance, engine capacity, power, exhaust temperature, vehicle weight, transmission ratio, ...). Compliance with the respective exhaust emission standard, as well as fault-free pressure and temperature monitoring of the OPF cannot be guaranteed.

HJS-No.	Φ A	Length	Φ B	Substrat	Application area	Description
<b>90 66 1100</b>	76mm	334mm	177mm	6.433"x 6.0"	up to 400hp	Weld-in solution, without approval
<b>90 66 1105</b>	76mm	246mm	123mm	4.330"x 6.2"	up to 250hp	Weld-in solution, without approval
<b>90 66 1111</b>	70mm	210mm	154mm	4.330"x 6.2"	up to 300hp	Weld-in solution, without approval



**ID "A": Inside Diameter**



**90661100**  
 Inlet Diameter= 76mm  
 Body Diameter = 177mm  
 Length = 334mm



**90661105**  
 Inlet Diameter= 76mm  
 Body Diameter = 123mm  
 Length = 246mm



**90661111**  
 Inlet Diameter= 70mm  
 Diameter = 154mm  
 Length = 210mm



**EURO 4**

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**90950092**  
Inlet Diameter = 61.5mm  
Body Diameter = 108mm  
Total Length = 270mm  
Metallic Substrate 200cps (Cells)



**90950082**  
Inlet Diameter = 70.5mm  
Body Diameter = 121mm  
Total Length = 292mm  
Metallic Substrate 200cps (Cells)



**90950070**  
Inlet Diameter = 66.6mm  
Body Diameter = 130mm  
Total Length = 326mm  
Metallic Substrate 200cps (Cells)

**EURO 5**

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**90950140**  
Inlet Diameter = 61.5mm  
Body Diameter = 108mm  
Total Length = 182mm  
Metallic Substrate 200cps (Cells)



**90950192**  
Inlet Diameter = 61.6mm  
Body Diameter = 108mm  
Total Length = 238mm  
Metallic Substrate 200cps (Cells)  
**HD** (For Porsche and High Performance Cars)



**90950085**  
Inlet Diameter = 76.5mm  
Body Diameter = 121mm  
Total Length = 246.5mm  
Metallic Substrate 200cps (Cells)  
**HD** (For Porsche and High Performance Cars)



**90950182**  
Inlet Diameter = 70.5mm  
Body Diameter = 130mm  
Total Length = 312mm  
Metallic Substrate 200cps (Cells)  
**HD** (For Porsche and High Performance Cars)

**EURO 6**

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**90950086**

Inlet Diameter= 76mm  
Body Diameter= 121mm  
Total Length= 242mm  
Metallic Substrate 200cps (Cells)



**90950183**

Inlet Diameter= 70.5mm  
Body Diameter= 130mm  
Total Length= 282.5mm  
Metallic Substrate 200cps (Cells)  
HD (For Porsche and High Performance Cars)



**90950190**

Inlet Diameter= 76mm  
Body Diameter= 144mm  
Total Length= 379mm  
Metallic Substrate 200cps (Cells)  
HD (For Porsche and High Performance Cars)

**CATALYSTS WITH FIA HOMOLOGATION**

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**90950057**

Inlet Diameter= 61.5mm  
Body Diameter= 108mm  
Total Length= 268mm  
Metallic Substrate 100cps  
Max operating Temperature= 950dgrs C  
FIA Approved for F / Group N / Rally Cars  
FIA Homologation Number: **WRC 1112-10**



**90950055**

Inlet Diameter= 78mm  
Body Diameter= 108mm  
Total Length= 258mm  
Metallic Substrate 100cps  
Max operating Temperature= 950dgrs C  
FIA Approved for F / Group N / Rally Cars  
FIA Homologation Number: **WRC 1112-10**



**90950044**

Inlet Diameter= 80mm  
Body Diameter= 130mm  
Total Length= 386mm  
Metallic Substrate 100cps  
Max operating Temperature= 950dgrs C  
FIA Approved for F / Group N / Rally Cars  
FIA Homologation Number: **WRC 1279-10**



# DIESEL PARTICULATE FILTERS



**93113020**  
 Inlet - Outlet= OD55mm  
 Body Diameter= 158mm  
 Total Length= 370mm  
 DPF Round / **Metallic**



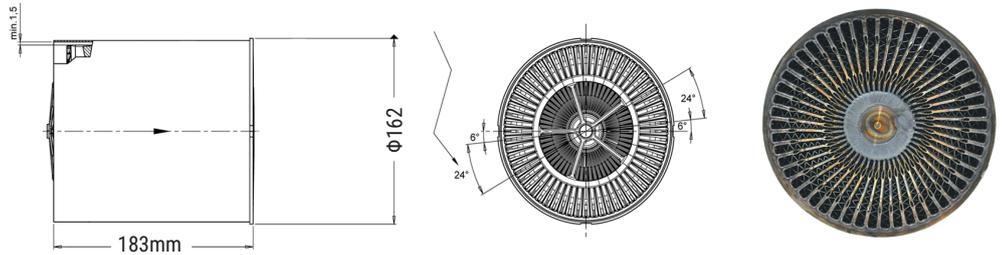
**90631130**  
 Inlet - Outlet= OD60mm  
 Body Dimensions= 175x80mm  
 Total Length= 405mm  
 DPF Oval / **Metallic**



**90631110**  
 Inlet - Outlet= OD63mm  
 Body Diameter= 158mm  
 Total Length= 450mm  
 DPF Round with CATALYST / **Metallic**



**90631140**  
 Body Diameter= 162mm  
 Total Length= 183mm  
 Round Substrate Suitable for DPF recondition / **Metallic**



**HJS Original-DPF® City-Filter®**

**Introduction**  
 Germany has read the signs of the times and taken up the fight against fine particulate matter which endangers health. Diesel particulate filters are standard on nearly all new cars supplied by German manufactures, but it is also easy to retrofit older diesel vehicles with the City-Filter®. The new German Regulation legislating on labelling for low-emission vehicles makes retrofitting even more important, because diesel vehicle that are not fitted with particulate filters are likely to be subject to the ban that will be in force in German city centers when levels of fine particulate matter in the atmosphere are too high

**HJS Original-DPF City-Filter®**  
 HJS has developed the City-Filter® to retrofit cars and ensure optimum soot reduction. This maintenance-free, reliable and cost-optimized filter system can be quickly fitted to a vehicle downstream of its existing oxidation catalytic converter. The Retrofit Regulation stipulates that existing oxycats must be replaced if they are more than 5 years old or have been fitted for more than 80,000 km (50,000 miles). HJS therefore also offers the extended City-Filter (combined oxicat and diesel particulate filter) to save motorists any additional costs.

**Design principle**  
 The Core element is our diesel particulate filter made of sintered metal, which received the German Environment Award. Sintered metal is a material made from powdered metal using a special manufacturing process. It is applied to a mesh made of extended metal and then sintered. This gives the surface of the metal a porous structure, with is heat-resistant, robust and easy to work. Gases and liquids can escape through the minute pores. When exhaust gases flow from the engine into the filter casing, only the gaseous molecules are able to flow through the porous filter material. The dangerous soot particles (particulate matter or PM) are trapped on the structured surface of the sintered metal.  
 Thus, the City-Filter's® design and material give it significant advantages over other filters systems and at the same time the innovative pocket design means the filter lasts the lifetime of the vehicle.

**Original-DPF® City-Filter®**

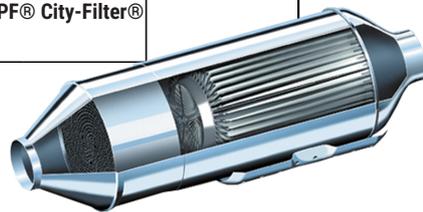
**HJS Original-DPF® City-Filter®**

**How it works**  
 The vehicle's exhaust gases containing soot particles flow from the engine into the City-Filter's® casing (black arrow). Only the gaseous components pass through the minute pores of the filter pockets; the soot particles are trapped on the surfaces and deposited on the individual filter pockets (see magnifying glass).

Now the nitrogen dioxide (NO<sub>2</sub>) formed by the oxidation catalytic converter comes into contact with the soot deposits, causing the soot particles to oxidize and degrade; the NO<sub>2</sub> is reduced to nitrogen (NO). The other components of the exhaust gases carbon monoxide and hydrocarbon are oxidized into the harmless substances carbon dioxide and water. This chemical process is repeated continuously, regenerating the filter. This process is essential to the long lifetime of the filter. A well-functioning oxicat is even more important.

However, since the filter does not always have to go through a complete regeneration process, HJS has integrated a variable airflow cross-section into the City-Filter®. This ensures that the filter cannot become blocked.

**The Filter's efficiency is adjusted by a defined hydraulic cross-section**





## HJS STAINLESS STEEL SUS304 CONES



### Φ90MM (OD)

90600556	Φ50	L=60
90600557	Φ50	L=80
90600554	Φ61	L=69
90600555	Φ61	L=47
90600558	Φ61	L=63



90600556



90600557



90600554



90600555



90600558

### Φ105MM (OD)

90600548	Φ70	L=150
90600549	Φ80	L=92
90600547	Φ61	L=73
90600550	Φ78	L=44
90600541	Φ61	L=92
90600543	Φ61	L=54
90600542	Φ61	L=44
90600551	Φ70	L=92



90600548



90600549



90600547



90600550



90600541



90600543



90600542



90600551

### Φ117MM (OD)

90600552	Φ55	L=80
90600533	Φ56	L=72
90600546	Φ55	L=73
90600534	Φ56	L=72
90600530	Φ70	L=83
90600531	Φ60	L=88
90600532	Φ70	L=60



90600552



90600533



90600546



90600534



90600530



90600531



90600532

### Φ127MM (OD)

90600553	Φ77	L=153
90600520	Φ77	L=103
90600540	Φ67	L=103
90600539	Φ80	L=115
90600536	Φ67	L=171
90600538	Φ80	L=180



90600553



90600538



90600540



90600539



90600536



90600520

## HJS ECE TUNING DOWNPIPES



**90600470**  
Toyota GR Yaris / Gr. F  
MOTORSPORT



**90811100**  
Diameter = 76mm  
Metallic Catalyst 200cpsi (Cells)  
Audi TT / TTS III - 8J (8S) - (2.0 - Euro 6)



**90811105**  
Diameter = 76mm  
Metallic Catalyst 200cpsi (Cells)  
Audi S1 I (2.0 - Euro 6)



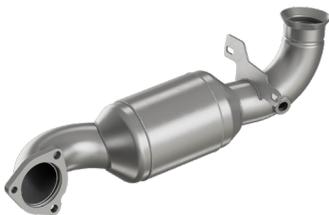
**90811150**  
Diameter = 70mm  
Metallic Catalyst 200cpsi (Cells)  
Audi A1 V / Seat Ibiza Cupra IV /  
VW Polo V GTI (1.8 - Euro 6)



**90811160**  
Diameter = 76mm  
Metallic Catalyst 100cpsi + 200cpsi (Cells)  
Skoda Octavia III RS / VW Golf VII GTI (2.0 - Euro 6c)



**90811165**  
Diameter = 76mm  
Metallic Catalyst 100cpsi + 200cpsi (Cells)  
VW Polo VI GTI (2.0 - Euro 6)



**90812000**  
Diameter = 65mm  
Metallic Catalyst 200cpsi (Cells)  
Mini R55-R60 / Citroen / Peugeot (1.6 - Euro 4 - 6)



**90812005**  
Diameter = 61.5mm  
Metallic Catalyst 200cpsi (Cells)  
BMW 1er / 3er (N13 1.6 - Euro 5 - 6)

## HJS ECE TUNING DOWNPIPES



**90812010**  
Diameter = 80/89mm  
Metallic Catalyst 300cps (Cells)  
BMW M135i - 435i / M2 (N55 - 3.0 - Euro 5/6)



**90812015**  
Diameter = 76/80mm  
Metallic Catalyst 300cps (Cells)  
BMW M135i - 335i (N55 - 3.0 - Euro 5)



**90812020**  
Diameter = 80/89mm  
Metallic Catalyst 300cps (Cells)  
BMW M140i - 740i (B58 - 3.0 - Euro 6)



**90812031**  
Diameter = 70mm  
Metallic Catalyst 200cps (Cells)  
Mini F54-F60 / BMW 220i - 225i / X1 (B48 - 2.0 - Euro 6)



**90812040**  
Diameter = 65/80mm  
Metallic Catalyst 2x200cps (Cells)  
BMW M3 / M4 (S55 - 3.0 - Euro 6)



**90813000**  
Inlet Diameter = 70/89mm  
Metallic Catalyst 300cps (Cells)  
Hyundai i30N / Performance (Euro 6)



**90814015**  
Diameter = 70mm  
Metallic Catalyst 200cps (Cells)  
Opel Astra J GTC (2.0 - Euro 5)



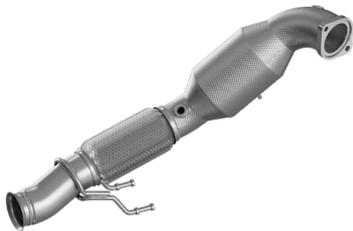
**90815000**  
Diameter = 70mm  
Metallic Catalyst 200cps (Cells)  
Ford Focus RS MK II (2.3 - Euro 6)



**90815010**  
 Diameter = 70mm  
 Metallic Catalyst 200cpsi (Cells)  
 Ford Focus ST MK III (2.0 - Euro 5 - 6)



**90815020**  
 Diameter = 70mm  
 Metallic Catalyst 200cpsi (Cells)  
 Ford Fiesta ST MK III (1.6 - Euro 5 - 6)



**90815040**  
 Diameter = 76mm  
 Metallic Catalyst 200cpsi (Cells)  
 Ford Focus RS MK III (2.5 - Euro 6)



**90821100**  
 Diameter = 76mm  
 Metallic Catalyst 200cpsi + 200cpsi GPF (Cells)  
 Audi TT III Frontantrieb - 8J (8S) - (2.0 - Euro 6)



**90821135**  
 Diameter = 76mm  
 Metallic Catalysts 200cpsi + 2x 200cpsi GPF (Cells)  
 Audi quattro / Cupra 4Drive / Skoda 4x4 / VW 4Motion  
 (EA888 - 2.0 - Euro 6d-Temp. - GPF)



**90821160**  
 Diameter = 76mm  
 Metallic Catalysts 200cpsi + 200cpsi GPF (Cells)  
 Audi TT III / Seat Leon Cupra III / Skoda Octavia III RS  
 / VW Golf VII TCR (2.0 - Euro 6d - GPF)



**90821165**  
 Diameter = 76mm  
 Metallic Catalysts 200cpsi + 200cpsi GPF (Cells)  
 Audi A1 II / VW Polo VI GTI (2.0 - Euro 6d - GPF)



**90821180**  
 Diameter = 76mm  
 Metallic Catalysts 200cpsi + 200cpsi GPF (Cells)  
 Audi TT III / Cupra Formentor / Skoda Octavia III RS /  
 VW Golf VIII GTI (EA888 Gen.4 - 2.0 - Euro 6d - GPF)

## HJS ECE TUNING DOWNPIPES



**90821185**  
Diameter = 70/76mm  
Metallic Catalysts 200 cpsi + 2x 200 cpsi GPF (Cells)  
Audi quattro / Cupra 4Drive / Skoda 4x4 /  
VW 4Motion (EA888 Gen.4 - 2.0 - Euro 6d - GPF)



**90822031**  
Diameter = 70mm  
Metallic Catalyst 200cpsi (Cells)  
Mini F54-F60 / M135i - M235i / BMW X2  
(2.0 - Euro 6d - GPF)



**90822040**  
Diameter = 65/80mm  
Metallic Catalysts 2x200cpsi (Cells)  
BMW M2 / M4 (S55 - 3.0 - Euro 6d - GPF)



**90822050**  
Diameter = 76/89mm  
Metallic Catalyst 300cpsi (Cells)  
BMW M240i - 840i / Z4 M40i / Toyota Supra /  
V-Band (B58 - 3.0 - Euro 6d-Temp - GPF)



**90822055**  
Diameter = 80/89mm  
Metallic Catalyst 300cpsi (Cells)  
BMW M140i - 440i / Schiebesitz  
(Sliding Seat)  
(B58 - 3.0 - Euro 6d - GPF)



**90822060**  
Diameter = 70/76mm  
Metallic Catalysts 2x 200cpsi(Cells)  
BMW M2 / M3 / M4 / X3M / X4M / Comp. / CS / CSL  
(S58 3.0 - Euro 6d - GPF)



**90822070**  
Diameter = 76/89mm  
Metallic Catalyst 200cpsi(Cells)  
BMW 18i / 20i / 25i / 30i /  
(B48 - 2.0 - Euro 6d / 6d-Temp - GPF)



**90822075**  
Diameter = 76/89mm  
Metallic Catalyst 200cpsi(Cells)  
BMW 20i / 30i / Toyota Supra (B48 - 2.0 - Euro 6d /  
6d-Temp. - GPF)

## HJS ECE TUNING DOWNPIPES



**90828000**

Diameter = 60/110mm

Metallic Catalyst 300cpsi (Cells)

Toyota GR Yaris VFL / GR Corolla Circuit  
(G16E-GTS - 1.6 - Euro 6d-TEMP.)



**90951105**

Diameter = 70mm

Metallic Catalyst 200cpsi (Cells)

Audi A3 II / Seat Leon Cupra II / Skoda Octavia RS II  
/ VW Golf V-VI GTI (1.8 / 2.0 - Euro 4 / 5)



**90951110**

Diameter = 70mm

Metallic Catalyst 200cpsi (Cells)

Audi A3 III / Seat Leon Cupra III / Skoda Octavia RS III /  
VW Golf VII GTI (70mm - 1.8 / 2.0 - Euro 6)



**90951115**

Diameter = 76mm

Metallic Catalyst 200cpsi (Cells)

Audi A3 III / Seat Leon Cupra III / Skoda Octavia RS  
III / VW Golf VII GTI (76mm - 1.8 / 2.0 - Euro 6)



**90951120**

Diameter = 60mm

Metallic Catalyst 200cpsi (Cells)

Audi A3 III / Seat Leon III / Skoda Octavia III / VW  
Golf VII (1.2 / 1.4 - Euro 5/6)

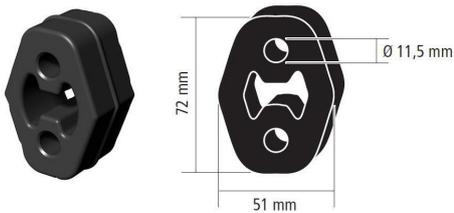


**90951135**

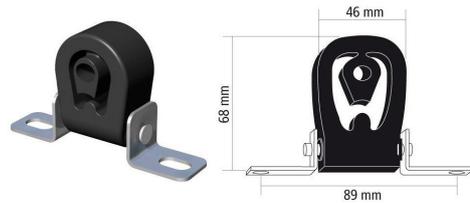
Diameter = 76mm

Metallic Catalyst 200cpsi (Cells)

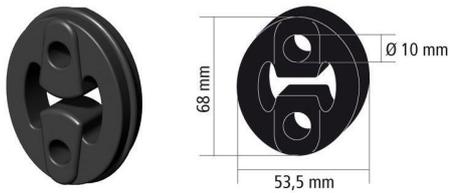
Audi S3 III / Seat Leon ST III / Skoda Superb III / VW  
Golf VII R (2.0 - Euro 6/d-Temp.)



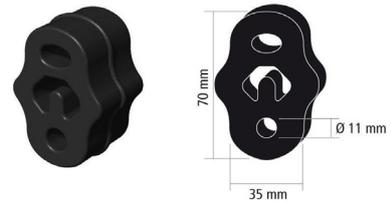
**90601900**



**90601960**



**90607111**



**90607112**



**82007050**

Diameter = 50mm  
Distance between holes = 70mm  
OEM: 4012588403803



**91000600**

Diameter = 6mm  
Length = 207.5mm  
M14 x 1.5  
CO2 Exit Measurement



**83000001**

S/Steel  
NOx - Sensor Screwed Sealing Plug  
M20 x 1.5



**90600023**

S/Steel  
Screwed Sealing Plug  
M14 x 1.5



**90600619**

S/Steel  
CO-Sensor Threaded Ring  
M14 x 1.5



**90604553**

S/Steel  
NOx - Sensor Threaded Ring  
M20 x 1.5



**90609724**

S/Steel  
λ - Sensor Threaded Ring with Bevel  
M18 x 1.5



**93024806**

S/Steel  
Temperature PT - Threaded Ring  
M14 x 1.5



**83000244**

Lambda Sensor Screw Plug,  
M18 x 1.5



**83000244**

S/Steel  
Lambda Sensor Screw Plug,  
M18 x 1.5