



TIKKOS RACING



HJS CATALOGUE

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

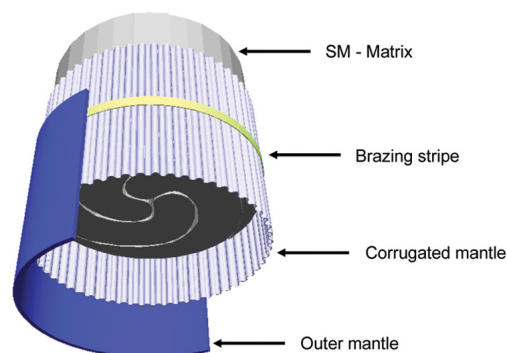
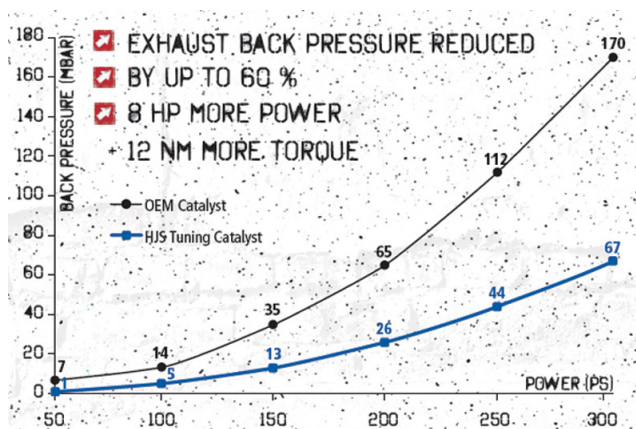
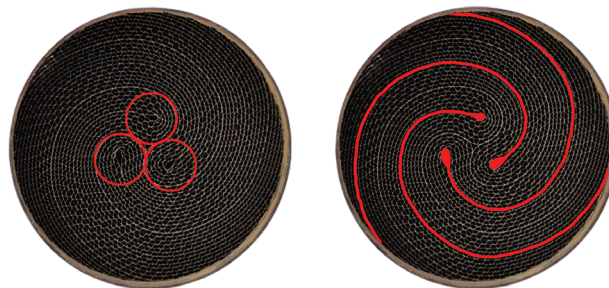
www.tikkosracing.com



Exclusive Distributor for Cyprus & Greece

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



90603282
 Diameter= 93mm
 Length= 130mm
 Euro4 / 200cpsi (Cells)



90603245
 Diameter= 121mm
 Length= 130mm
 Euro4 / 200cpsi (Cells)



90603247
 Diameter= 108mm
 Length= 100mm
 Euro4 / 200cpsi (Cells)
HF+ (For High Temperature)



90603248
 Diameter= 108mm
 Length= 83mm
 Euro4 / 200cpsi (Cells)

EURO 5/6

200cpsi



90603295

Diameter= 130mm
Length= 130mm
Euro4 / 200cpsi (Cells)
HF+ (For High Temperature)



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

100cpsi



90603102

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



90603204

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



90603205

Diameter= 108mm
Length= 130mm
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)



90603240

Diameter= 121mm
Length= 160mm
100cpsi(Cells)



90603242

Diameter = 120mm
Length = 100mm
100cpsi(Cells)
PE (Perforated Foil to reduce weight & Backpressure)



90603254

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



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)



90603297

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

Universal Tuning Gasoline Particulate Filter

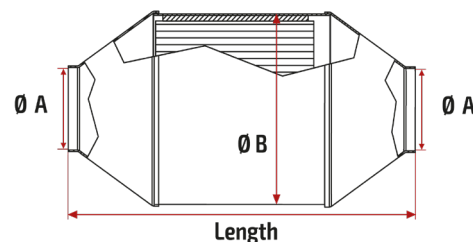
Products exclusively for Exhaust systems manufacturer

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
90 66 1100	76mm	334mm	177mm	6.433"x 6.0"	up to 400hp	Weld-in solution, without approval
90 66 1105	76mm	246mm	123mm	4.330"x 6.2"	up to 250hp	Weld-in solution, without approval
90 66 1111	70mm	210mm	154mm	4.330"x 6.2"	up to 300hp	Weld-in solution, without approval



ID "A": Inside Diameter



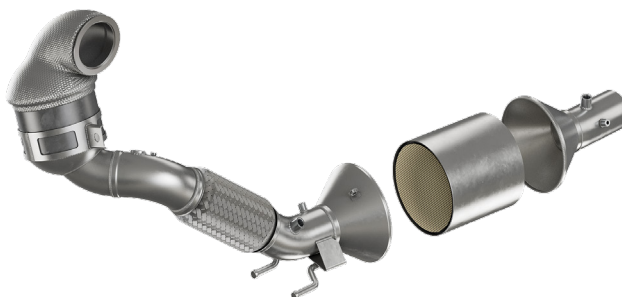
90661100
 Inlet Diameter= 76mm
 Body Diameter = 177mm
 Length = 334mm



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



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



EURO 3



90950072

Inlet Diameter = 63.5mm
Body Diameter = 108mm
Total Length = 232mm
Metallic Substrate 200cpsi (Cells)



90950099

Inlet Diameter= 60mm
Body Diameter= 93mm
Total Length= 173mm
Metallic Substrate 200cpsi (Cells)

EURO 4



90950092

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



90950082

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



90950070

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

EURO 5



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



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 **300cps (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



90950020

Inlet Diameter= 61,50mm
Body Diameter= 93mm
Total Length= 192mm
Metallic Substrate 100cpsi
Max operating Temperature= 950dgrs C
FIA Approved for F / Group N / Rally Cars
FIA Homologation Number: **ST9074-10**



90950044

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



90950057

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

****up to 360 HP / up to 2000 ccm - Two catalytic converters to be mounted parallel****



DIESEL PARTICULATE FILTERS



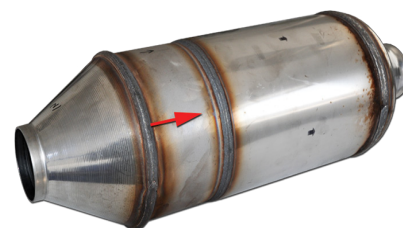
93113020

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**



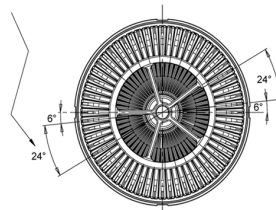
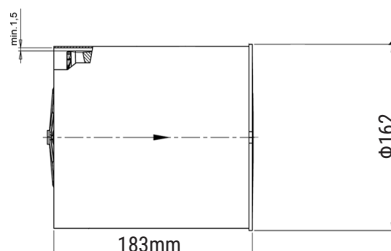
90631110

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 manufacturers, 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 retro-fitting 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 oxycat and diesel particulate filter) to save motorists any additional costs.

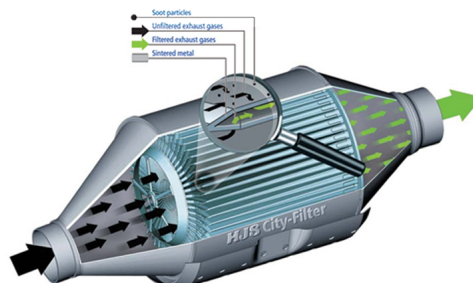
Design principle

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 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®



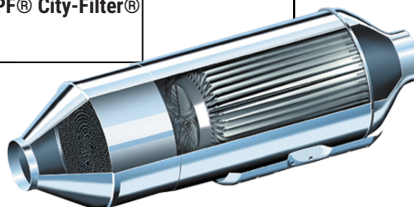
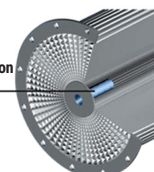
How it works

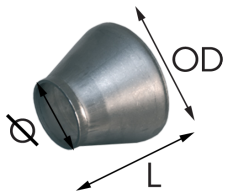
The vehicle's exhaust gases containing soot particles flow from the engine into the City-Filter's® casing (black arrow). Only the gaseous components pass through the minute pores of the filter pockets; the soot particles are trapped on the surfaces and deposited on the individual filter pockets (see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

Now the nitrogen dioxide (NO₂) formed by the oxidation catalytic converter comes into contact with the soot deposits, causing the soot particles to oxidize and degrade; the NO₂ 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 oxycat 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



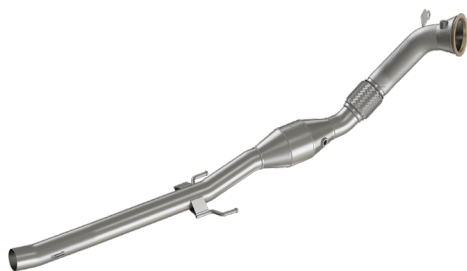
90600539



90600536

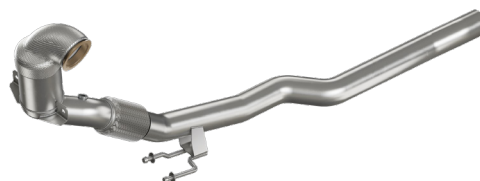


90600520



90600470

Toyota GR Yaris / Gr. F
MOTORSPORT



90811100

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



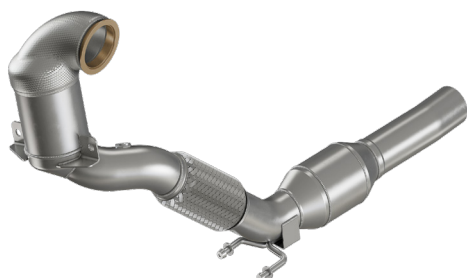
90811105

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



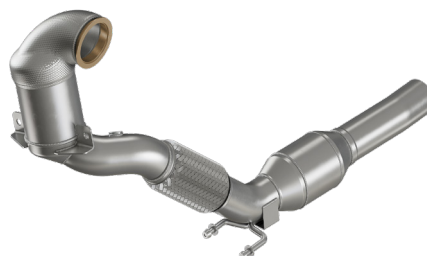
90811150

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



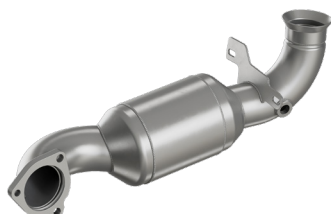
90811160

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)



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



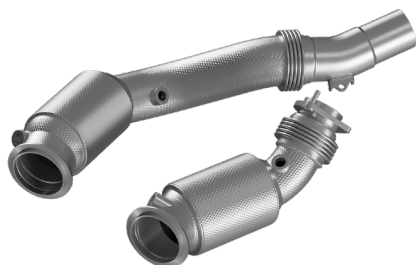
90812015
Diameter = 76/80mm
Metallic Catalyst 300cpsi (Cells)
BMW M135i - 335i (N55 - 3.0 - Euro 5)



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



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



90812040
Diameter = 65/80mm
Metallic Catalyst 2x200cpsi (Cells)
BMW M3 / M4 (S55 - 3.0 - Euro 6)



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



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

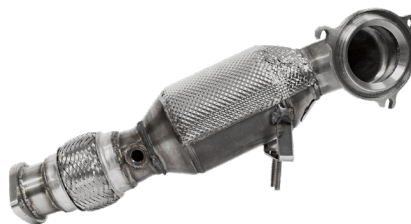


90815000
Diameter = 70mm
Metallic Catalyst 200cpsi (Cells)
Ford Focus RS MK II (2.3 - Euro 6)



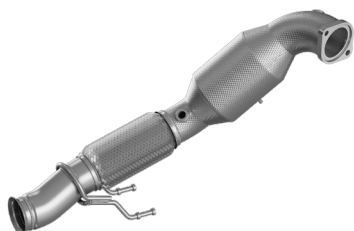
90815010

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)



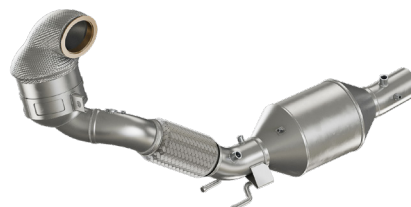
90821100

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)



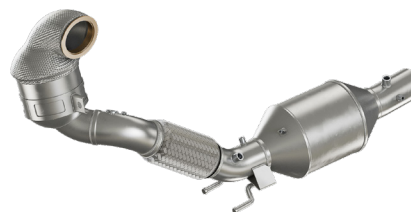
90821160

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)



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)



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)

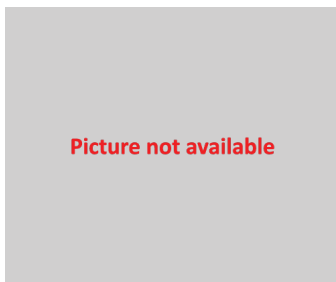


90951135

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.)

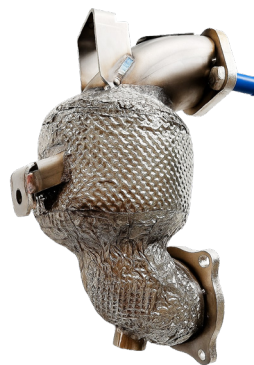


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90823010

Metallic Catalyst 200cpsi (Cells)

BMW B58



90823020

Diameter = 76mm

Metallic Catalyst 200cpsi (Cells)

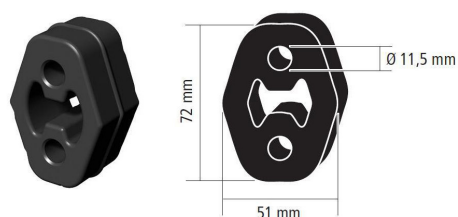
HYUNDAI i20N (BC3 series, 1.6 T-GDI)

HJS ECE TUNING DOWNPIPES

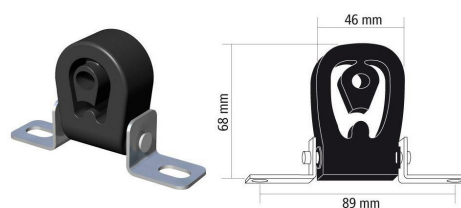


90828010

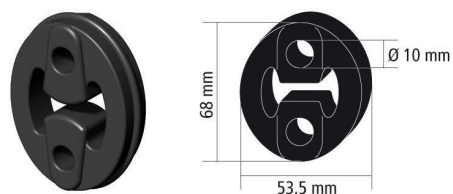
Toyota GR Yaris 1.6 - Gen. 2 FL XP21
Manual Transmission



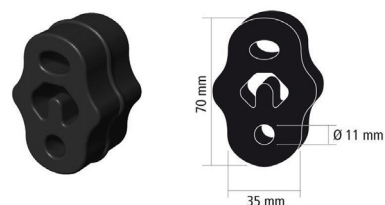
90601900



90601960



90607111



90607112



82007050

Diameter = 50mm

Distance between holes = 70mm

OEM: 4012588403803



91000600

Diameter = 6mm

Length = 207.5mm

M14 x 1.5

C02 Exit Measurement



83008347

HJS Flexible Repair KIT

for Jaguar XF

OEM C2Z14187



83000001

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



83000244

Lambda Sensor
Screw Plug
M18 x 1.5



90600023

S/Steel
Screwed Sealing Plug
M14 x 1.5



90609725

S/Steel - 45° Angle
λ - Sensor Threaded Ring
M18 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



92102083

S/Steel
Temperature Plug Sensor
M14x 1.5



92102093

S/Steel
M20 x 1.5
Φ= 30mm L = 12mm



92102103

S/Steel
M22 x 1.5
Φ= 30mm L = 11mm



93024806

S/Steel
Temperature PT
Threaded Ring
M14 x 1.5