

## HIGH LOADING UNIVERSAL CATALYTIC CONVERTERS

# QCAT

QUALITY CATALYSTS

### CERAMIC CATALYTIC CONVERTERS

#### EURO 2



#### LFC200

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Ceramic Substrate Euro2 **High Loading**  
400cpsi / For engines up to 2.0 L



#### LFC201

Inlet Pipe Diameter= 50mm  
Body Diameter= 101mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro2 **High Loading**  
400cpsi / For engines up to 1.6 L



#### LFC202

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Ceramic Substrate Euro2 **High Loading**  
400cpsi / For engines up to 4.0 L



#### LFC203

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 230mm  
Ceramic Substrate Euro2 **High Loading**  
400cpsi / For engines up to 3.0 L



#### LFC204

Inlet Pipe Diameter= 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro2 **High Loading**  
400cpsi / For engines up to 2.0 L



# CERAMIC CATALYTIC CONVERTERS

## EURO 3



### LFC300

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Ceramic Substrate Euro3 **High Loading**  
400cps / For engines up to 2.0 L



### LFC301

Inlet Pipe Diameter = 50mm  
Body Diameter= 101mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro3 **High Loading**  
400cps / For engines up to 1.6 L



### LFC302

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Ceramic Substrate Euro3 **High Loading**  
400cps / For engines up to 4.0 L



### LFC303

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 230mm  
Ceramic Substrate Euro3 **High Loading**  
400cps / For engines up to 3.0 L



### LFC304

Inlet Pipe Diameter = 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro3 **High Loading**  
400cps / For engines up to 2.0 L

## EURO 4



### LFC400

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Ceramic Substrate Euro4 **High Loading**  
400cps / For engines up to 2.0 L



### LFC401

Inlet Pipe Diameter = 50mm  
Body Diameter= 101mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro4 **High Loading**  
400cps / For engines up to 1.6 L



### LFC402

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Ceramic Substrate Euro4 **High Loading**  
400cps / For engines up to 4.0 L



### LFC403

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 230mm  
Ceramic Substrate Euro4 **High Loading**  
400cps / For engines up to 3.0 L



### LFC404

Inlet Pipe Diameter = 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro4 **High Loading**  
400cps / For engines up to 2.0 L



### LFC410

Inlet Pipe Diameter = 50mm  
Body Diameter= 101mm  
Body Length without ending tubes= 290mm  
Ceramic Substrate Euro4 **High Loading**  
400cps / For engines up to 2.0 L



# CERAMIC CATALYTIC CONVERTERS

## EURO 5



### LFC500

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Ceramic Substrate Euro5 **High Loading**  
400cpsl / For engines up to 2.0 L



### LFC501

Inlet Pipe Diameter = 50mm  
Body Diameter= 101mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro5 **High Loading**  
400cpsl / For engines up to 1.6 L



### LFC502

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Ceramic Substrate Euro5 **High Loading**  
400cpsl / For engines up to 4.0 L



### LFC503

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 230mm  
Ceramic Substrate Euro5 **High Loading**  
400cpsl / For engines up to 3.0 L



### LFC504

Inlet Pipe Diameter = 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro5 **High Loading**  
400cpsl / For engines up to 2.0 L

## EURO 6



### LFC600

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Ceramic Substrate Euro6 **High Loading**  
400cpsl / For engines up to 2.0 L



### LFC601

Inlet Pipe Diameter = 50mm  
Body Diameter= 101mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro6 **High Loading**  
400cpsl / For engines up to 1.6 L



### LFC602

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Ceramic Substrate Euro6 **High Loading**  
400cpsl / For engines up to 4.0 L



### LFC603

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 230mm  
Ceramic Substrate Euro6 **High Loading**  
400cpsl / For engines up to 3.0 L



### LFC604

Inlet Pipe Diameter = 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 220mm  
Ceramic Substrate Euro6 **High Loading**  
400cpsl / For engines up to 2.0 L

# METALLIC CATALYTIC CONVERTERS

**S**-type Cell design substrates with 3 centers for Maximum performance and durability:

- High durability and strength
- Three winding centres as centroid
- 400cpsi



## EURO 3



### CAT20

Inlet Pipe Diameter = 54mm  
Body Diameter= 101mm  
Body Length without ending tubes= 200mm  
Metallic Substrate Euro3 / 400cpsi  
**High Loading** - For engines up to 1.6 L



### CAT21

Inlet Pipe Diameter= 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 210mm  
Metallic Substrate Euro3 / 400cpsi  
**High Loading** - For engines up to 2.0 L



### CAT24

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 220mm  
Metallic Substrate Euro3 / 400cpsi  
**High Loading** - For engines up to 3.0 L

## EURO 4



### CAT20-4

Inlet Pipe Diameter = 54mm  
Body Diameter= 101mm  
Body Length without ending tubes= 200mm  
Metallic Substrate Euro4 / 400cpsi  
**High Loading** - For engines up to 1.6 L



### CAT21-4

Inlet Pipe Diameter= 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 210mm  
Metallic Substrate Euro4 / 400cpsi  
**High Loading** - For engines up to 2.0 L



### CAT24-4

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 220mm  
Metallic Substrate Euro4 / 400cpsi  
**High Loading** - For engines up to 3.0 L

## EURO 5



### CAT20-5

Inlet Pipe Diameter = 54mm  
Body Diameter= 101mm  
Body Length without ending tubes= 200mm  
Metallic Substrate Euro5 / 400cpsi  
**High Loading** - For engines up to 1.6 L



### CAT21-5

Inlet Pipe Diameter= 54mm  
Body Diameter= 114mm  
Body Length without ending tubes= 210mm  
Metallic Substrate Euro5 / 400cpsi  
**High Loading** - For engines up to 2.0 L



### CAT24-5

Inlet Pipe Diameter= 60mm  
Body Diameter= 130mm  
Body Length without ending tubes= 220mm  
Metallic Substrate Euro5 / 400cpsi  
**High Loading** - For engines up to 3.0 L



## EURO 3



### CAT907M

Inlet Pipe Diameter= 2xOD $\Phi$ 54mm  
Outlet Pipe Diameter= 2xOD $\Phi$ 54mm  
Body Dimensions= 180x115mm  
Body Length without ending tubes= 300mm  
Metallic Substrate Euro3 / 200cpsi  
For engines up to 4.0 L  
Suitable for BMW & MERCEDES



### CAT908M

Inlet Pipe Diameter= OD $\Phi$ 64mm  
Outlet Pipe Diameter= 2xOD $\Phi$ 60mm  
Body Dimensions= 180x115mm  
Body Length without ending tubes= 340mm  
Metallic Substrate Euro3 / 200cpsi  
For engines up to 3.0 L  
Suitable for BMW & MERCEDES

## EURO 4



### CM400

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Metallic Substrate Euro4 **High Loading**  
400cpsi / For engines up to 2.0 L



### CM402

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Metallic Substrate Euro4 **High Loading**  
400cpsi / For engines up to 4.0 L



### LFC-BM (Euro4)

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x100mm  
Body Length without ending tubes= 320mm  
Metallic Substrate 400cpsi / **High Loading**  
For engines up to 3.0 L  
Suitable for BMW & MERCEDES



**186088**

Metallic substrate - Euro4 400cps  
AUDI A4/A6 1.8T 20v '97-'01  
VW Passat III 1.8T 20v 99-  
With CEL-Fix adaptor



**1091522**

Smart ForTwo 450 Pure/Pulse/Passion  
0.6L-0.7L turbo Coupe/Cabrio '98-'07  
with Catalytic converter / 100% S/Steel 409  
103R approved / Upgraded with Flex pipe



**1091668**

Smart ForTwo 451 1.0i 12v Coupe/Cabrio '07-'10  
Smart ForTwo 451 1.0i Turbo Coupe/Cabrio '07-'10  
with Catalytic converter / 100% S/Steel 409



**20.806T**

Exhaust Muffler for SMART ForTwo/ForFour 0.9/1.0 14-  
OEM no: 4534900110, 4534903500, 200205174R,  
4534900210, 4534900000, 4534902400



**44.700P**

Exhaust Muffler for SMART ForTwo 1.0 2008-2015  
OEM no: A1324900015



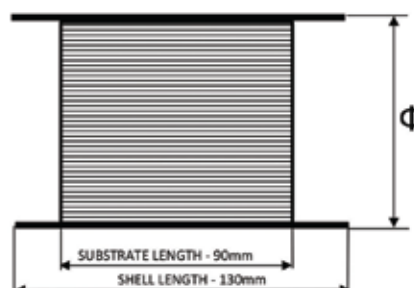
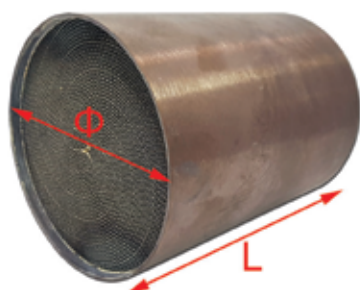
**TY6095TF**

Catalyst for Toyota Prius 1.5i 16v 1NZ-FXE 2003-2010  
OEM no: 1741021490

**...more than 350 different models of Direct-Fit Catalytic Converters in stock...please contact us for more info**

**S**-type Cell design substrates with 3 centers for Maximum performance and durability:

- High durability and strength
- Three winding centres as centroid
- High loading of precious metals
- 200cps can be used for tuning purposes



## EURO 4

### 200cps

- 761324** Φ76 L=130 Euro4 200cps
- 901324** Φ90 L=130 Euro4 200cps
- 101324** Φ100 L=130 Euro4 200cps
- 111324** Φ110 L=130 Euro4 200cps
- 121324** Φ120 L=130 Euro4 200cps
- 131324** Φ130 L=130 Euro4 200cps
- 141324** Φ140 L=130 Euro4 200cps
- 151324** Φ150 L=130 Euro4 200cps

### 400cps

- 761344** Φ76 L=130 Euro4 400cps
- 901344** Φ90 L=130 Euro4 400cps
- 101344** Φ100 L=130 Euro4 400cps
- 111344** Φ110 L=130 Euro4 400cps
- 121344** Φ120 L=130 Euro4 400cps
- 131344** Φ130 L=130 Euro4 400cps
- 141344** Φ140 L=130 Euro4 400cps
- 151344** Φ150 L=110 Euro4 400cps
- SUB163113** Oval 163x113 L=115 Euro4 400cps

## EURO 5

### 200cps

- 761325** Φ76 L=130 Euro5 200cps
- 901325** Φ90 L=130 Euro5 200cps
- 101325** Φ100 L=130 Euro5 200cps
- 111325** Φ110 L=130 Euro5 200cps
- 121325** Φ120 L=130 Euro5 200cps
- 131325** Φ130 L=130 Euro5 200cps
- 141325** Φ140 L=130 Euro5 200cps
- 151325** Φ150 L=130 Euro5 200cps

### 400cps

- 761345** Φ76 L=130 Euro5 400cps
- 851345** Φ85 L=130 Euro5 400cps
- 907045** Φ90 L=70 Euro5 400cps
- 901345** Φ90 L=130 Euro5 400cps
- 951345** Φ95 L=130 Euro5 400cps
- 107045** Φ100 L=70 Euro5 400cps
- 108545** Φ100 L=85 Euro5 400cps
- 101345** Φ100 L=130 Euro5 400cps
- 1051345** Φ105 L=130 Euro5 400cps
- 111345** Φ110 L=130 Euro5 400cps
- 1151345** Φ115 L=130 Euro5 400cps
- 121345** Φ120 L=130 Euro5 400cps
- 1257045** Φ125 L=70 Euro5 400cps
- 1251345** Φ125 L=130 Euro5 400cps
- 131345** Φ130 L=130 Euro5 400cps
- 141345** Φ140 L=130 Euro5 400cps
- 151345** Φ150 L=130 Euro5 400cps
- SUB151100** Oval 151x100 L=100 Euro5 400cps



**\*\*\*High Loading substrates**

\*\*\*New practical design  
 \*\*\*The shell can be easily trimmed from 130mm down to 95mm



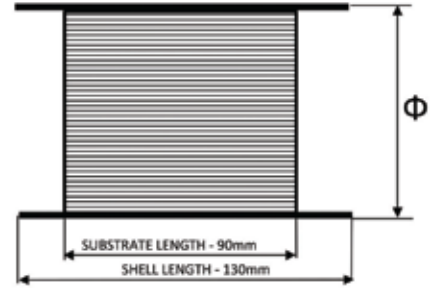
## EURO 6

### 200cps

- 477026**  $\Phi$ 47 L=70 Euro6 200cps
- 501326**  $\Phi$ 50 L=130 Euro6 200cps
- 601326**  $\Phi$ 60 L=130 Euro6 200cps
- 761326**  $\Phi$ 76 L=130 Euro6 200cps
- 901326**  $\Phi$ 90 L=130 Euro6 200cps
- 101326**  $\Phi$ 100 L=130 Euro6 200cps
- 111326**  $\Phi$ 110 L=130 Euro6 200cps
- 121326**  $\Phi$ 120 L=130 Euro6 200cps
- 131326**  $\Phi$ 130 L=130 Euro6 200cps
- 141326**  $\Phi$ 140 L=130 Euro6 200cps
- 151326**  $\Phi$ 150 L=130 Euro6 200cps

### 400cps

- 761346**  $\Phi$ 76 L=130 Euro6 400cps
- 851346**  $\Phi$ 85 L=130 Euro6 400cps
- 901346**  $\Phi$ 90 L=130 Euro6 400cps
- 951346**  $\Phi$ 95 L=130 Euro6 400cps
- 107046**  $\Phi$ 100 L=70 Euro6 400cps
- 1051346**  $\Phi$ 105 L=130 Euro6 400cps
- 108546**  $\Phi$ 100 L=85 Euro6 400cps
- 101346**  $\Phi$ 100 L=130 Euro6 400cps
- 111346**  $\Phi$ 110 L=130 Euro6 400cps
- 1151346**  $\Phi$ 115 L=130 Euro6 400cps
- 121346**  $\Phi$ 120 L=130 Euro6 400cps
- 1251346**  $\Phi$ 125 L=130 Euro6 400cps
- 131346**  $\Phi$ 130 L=130 Euro6 400cps
- 141346**  $\Phi$ 140 L=130 Euro6 400cps
- 151346**  $\Phi$ 150 L=130 Euro6 400cps



**\*\*\*New practical design**  
**\*\*\*They can be easily trimmed from 130mm to 95mm**

## MOTORSPORT

### 100cps

- 7613100**  $\Phi$ 76 L=130 100cps
- 9013100**  $\Phi$ 90 L=130 100cps
- 1013100**  $\Phi$ 100 L=130 100cps
- 1113100**  $\Phi$ 110 L=130 100cps
- 1213100**  $\Phi$ 120 L=130 100cps
- 1313100**  $\Phi$ 130 L=130 100cps
- 1413100**  $\Phi$ 140 L=130 100cps
- 1513100**  $\Phi$ 150 L=130 100cps

**MOTORSPORT**  
*Winners Drive Clean*

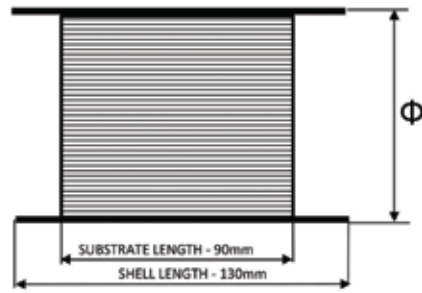
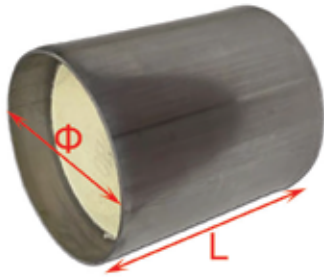


**\*\*\*High Loading substrates**

**\*\*\*New practical design**  
**\*\*\*The shell can be easily trimmed from 130mm down to 95mm**



# DIESEL OXIDATION CATALYSTS - DOC



**\*\*\*New practical design**  
**\*\*\*They can be easily trimmed from 130mm to 95mm**

## Ceramic Diesel Oxidation Substrates

### 400cps

- DOC100** Φ100 L=130 DOC 400cps
- DOC110** Φ110 L=130 DOC 400cps
- DOC120** Φ120 L=130 DOC 400cps
- DOC130** Φ130 L=130 DOC 400cps
- DOC140** Φ140 L=130 DOC 400cps
- DOC144** Φ144 L=130 DOC 400cps
- DOC154** Φ154 L=130 DOC 400cps
- SUB15480** Φ154 L=80 DOC 400cps

## Metallic Diesel Oxidation Substrates

### 400cps

- SUB14880** Φ148 L=80 DOC 400cps
- DOC151100** Oval 151x100 L=100 DOC 400cps

## Metallic Diesel Oxidation Catalysts



### DOC105R

Inlet Pipe Diameter= 63.5mm  
Body Diameter= 101mm  
Total Length= 300mm  
Metallic substrate **DOC Loading**  
200cps / Designed for Diesel performance road vehicles

## Ceramic Diesel Oxidation Catalysts



### DOC21

Inlet Pipe Diameter= 60mm  
Body Diameter= 114mm  
Body Length without ending tubes= 200mm  
Ceramic Substrate **DOC Loading**  
400cps / For engines up to 2.5 L



### DOC24

Inlet Pipe Diameter= 64mm  
Body Diameter= 130mm  
Body Length without ending tubes= 210mm  
Ceramic Substrate **DOC Loading**  
400cps / For engines up to 4.0 L

# METALLIC CATALYTIC SUBSTRATES

**S**-type Cell design substrates with 2 centers for Maximum performance and durability:

- High durability and strength
- Two winding centres as centroid
- High loading of precious metals / Premium Quality
- 200cps can be used for tuning purposes



## EURO 4



**SUB40**  
Diameter= 100mm  
Length= 130mm  
Euro4 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB41**  
Diameter= 110mm  
Length= 130mm  
Euro4 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB42**  
Diameter= 120mm  
Length= 130mm  
Euro4 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB43**  
Diameter= 130mm  
Length= 130mm  
Euro4 / 200cps(Cells)  
High Loading /  
Premium Quality

## EURO 5



**SUB50**  
Diameter= 100mm  
Length= 130mm  
Euro5 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB51**  
Diameter= 110mm  
Length= 130mm  
Euro5 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB52**  
Diameter= 120mm  
Length= 130mm  
Euro5 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB53**  
Diameter= 130mm  
Length= 130mm  
Euro5 / 200cps(Cells)  
High Loading /  
Premium Quality

## EURO 6



**SUB60**  
Diameter= 100mm  
Length= 130mm  
Euro6 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB61**  
Diameter= 110mm  
Length= 130mm  
Euro6 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB62**  
Diameter= 120mm  
Length= 130mm  
Euro6 / 200cps(Cells)  
High Loading /  
Premium Quality



**SUB63**  
Diameter= 130mm  
Length= 130mm  
Euro6 / 200cps(Cells)  
High Loading /  
Premium Quality

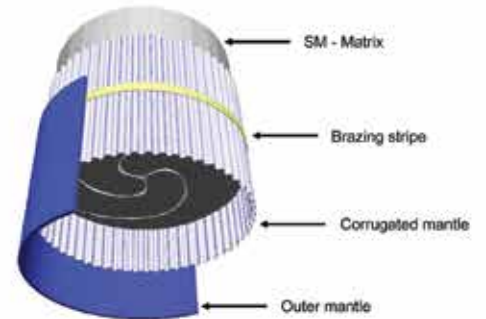
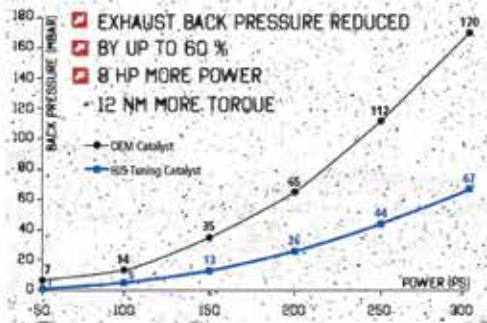
# METALLIC CATALYTIC SUBSTRATES

**MOTORSPORT**  
Winners Drive Clean

**HJS**  
MOTORSPORT TUNING

**SM**-type Cell design substrates 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



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



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



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



**EURO 5/6**



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



**90603250**  
Diameter= 108mm  
Length= 130mm  
200cpsi(Cells) / Euro5/6  
HF+ (For High Temperature)



**90603444**  
Diameter= 121mm  
Length= 112mm  
200cpsi(Cells) / Euro5/6  
HD (For Porsche and High Performance Cars)



**90603494**  
Diameter= 130mm  
Length= 112mm  
200cpsi(Cells) / Euro5/6  
HD (For Porsche and High Performance Cars)



**90603498**  
Diameter= 143mm  
Length= 115mm  
200cpsi(Cells) / Euro5/6  
HD (For Porsche and High Performance Cars)

# METALLIC CATALYTIC SUBSTRATES

**MOTORSPORT**  
Winners Drive Clean

**HJS**  
MOTORSPORT-TUNING

## MOTORSPORT



**90603100**  
Diameter= 73mm  
Length= 82mm  
100cpsi(Cells)



**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)



**90603154**  
Diameter= 130mm  
Length= 100mm  
100cpsi(Cells)



**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)

\*\*\*Contact us for the complete HJS product catalogue\*\*\*



# Universal Tuning Gasoline particulate filter

Products *exclusively* for Exhaust systems manufacturer

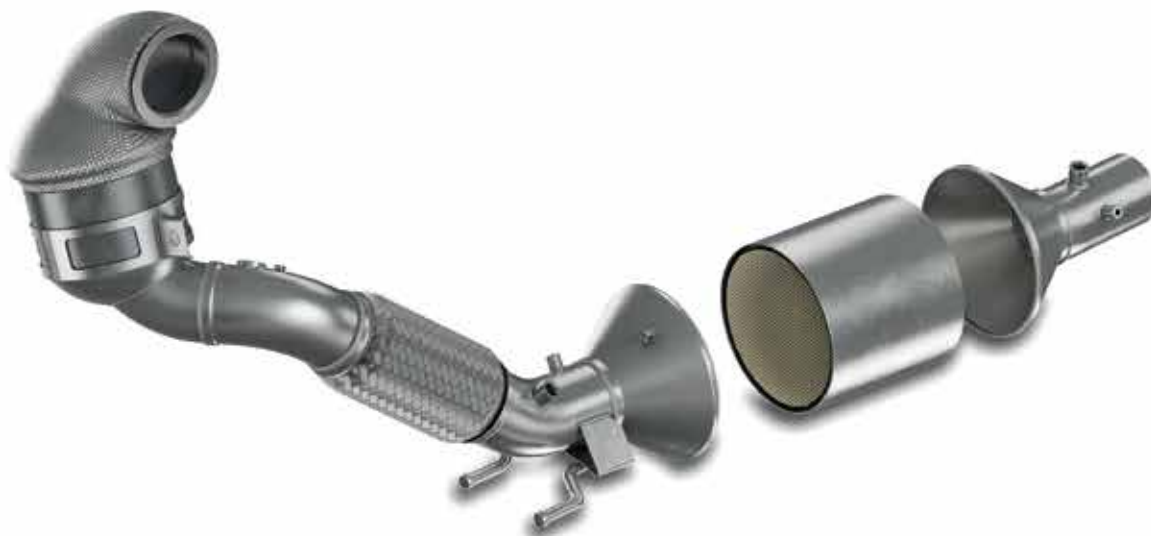
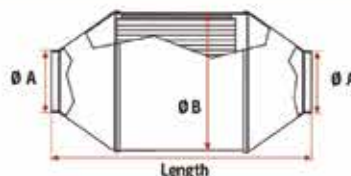
## Universal Tuning Gasoline particulate filter

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 **200 cpsi**, 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 § 21 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.	Ø A	Length	Ø B	Substrat	Application area	Description
90 66 1100	76 mm	334 mm	177 mm	6,433" x 6,0"	up to 400 hp	Weld-in solution, without approval
90 66 1105	76 mm	246 mm	123 mm	4,330" x 6,2"	up to 250 hp	Weld-in solution, without approval





**TUNING CATALYSTS**

**EURO 4**



**90950092**

Inlet=61.5mm Body Diameter=108mm  
Total length=270mm  
Metallic substrate 200cps



**90950082**

Inlet=70.5mm Body Diameter=121mm  
Total length=292mm  
Metallic substrate 200cps



**90950070**

Inlet=66.6mm Body Diameter=130mm  
Total length=326mm  
Metallic substrate 200cps

**EURO 5**



**90950140**

Inlet=61.5mm Body Diameter=108mm  
Total length=182mm  
Metallic substrate 200cps



**90950192**

Inlet=61.5mm Body Diameter=108mm  
Total length=238mm  
Metallic substrate 200cps  
**HD** (For Porsche and High Performance Cars)



**90950085**

Inlet=76.5mm Body Diameter=121mm  
Total length=246.5mm  
Metallic substrate 200cps  
**HD** (For Porsche and High Performance Cars)



**90950182**

Inlet=70.5mm Body Diameter=130mm  
Total length=312mm  
Metallic substrate 200cps  
**HD** (For Porsche and High Performance Cars)

**MOTORSPORT**

**MOTORSPORT**  
Winners Drive Clean

**HJS**  
**MOTORSPORT-TUNING**

**TUNING CATALYSTS**

**EURO 6**



**90950086**

Inlet=76mm Body Diameter=121mm  
Total length=242mm  
Metallic substrate 200cps



**90950190**

Inlet=76mm Body Diameter=144mm  
Total length=379mm  
Metallic substrate 200cps  
**HD** (For Porsche and High Performance Cars)

**\*\*\*Contact us for the complete HJS product catalogue\*\*\***

**CATALYSTS WITH FIA HOMOLOGATION**



**90950057**

Inlet=61.5mm Body Diameter=108mm Total length=268mm  
Metallic substrate 100cps / Up to 240HP  
Max operating Temperature=950dgrs C  
PE (Perforated Foil to reduce weight & Backpressure)  
FIA Approved for F / Group N / Rally Cars  
FIA Homologation Number: WRC 1112-10



**90950055**

Inlet=78mm Body Diameter=108mm Total length=258mm  
Metallic substrate 100cps / Up to 240HP  
Max operating Temperature=950dgrs C  
PE (Perforated Foil to reduce weight & Backpressure)  
FIA Approved for F / Group N / Rally Cars  
FIA Homologation Number: WRC 1112-10



**90950044**

Inlet=80mm Body Diameter=130mm Total length=386mm  
Metallic substrate 100cps / Up to 600HP  
Max operating Temperature=950dgrs C  
PE (Perforated Foil to reduce weight & Backpressure)  
FIA Approved for F / Group N / Rally Cars  
FIA Homologation Number: WRC 1279-10



**DOWNPIPES WITH HOMOLOGATION**



**Downpipes With Homologation**

HJS Euro4, Euro5 and Euro6 Downpipes With  
Metallic Tuning Catalyst 200cps(Cells)  
ECE Approved

**TUNING CATALYSTS WITH HOMOLOGATION**



**Tuning Catalysts With Homologation**

HJS Euro4, Euro5 and Euro6  
Metallic Tuning Catalysts 200cps(Cells)  
ECE R103 Approved



# DIESEL PARTICULATE FILTERS



**93113020**  
 Body Diameter= 158mm  
 Total length= 370mm  
 Inlet-Outlet= OD55  
 DPF Round / Metallic



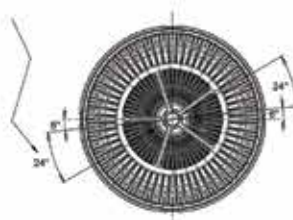
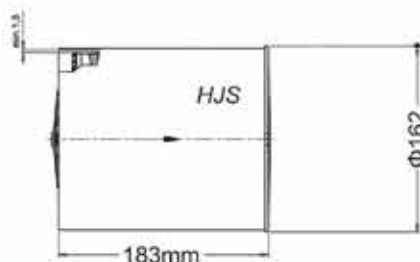
**90631130**  
 Body Diameter= 175x80mm  
 Total length= 405mm  
 Inlet-Outlet= OD60  
 DPF Oval / Metallic



**90631110**  
 Body Diameter= 158mm  
 Total length= 450mm  
 Inlet-Outlet= OD63  
 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 labeling 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 oxidants 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 oxidant and diesel particulate filter) to save motorists any additional costs.

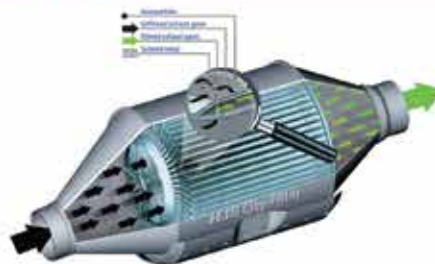
### Design principle

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® (all 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 (N<sub>2</sub>). 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 oxidant 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.

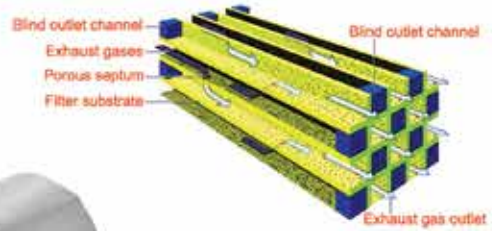
The Filter's efficiency is adjusted by a defined hydraulic cross-section



# DIESEL PARTICULATE FILTERS

## CERAMIC SUBSTRATES

## Cordierite



### DPFMAN018

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 275mm  
Body Diameter= 152mm  
DPF Only



### DPFMAN020

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 290mm  
Body Diameter= 152mm  
DPF+CAT



### DPFMAN022

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 170mm  
Body Diameter= 127mm  
DPF Only



### DPFMAN023

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 200mm  
Body Diameter= 152mm  
DPF Only



### DPFMAN024

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 195mm  
Body Diameter= 200mm  
DPF Only



### DPFMAN067

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 260mm  
Body Diameter= 127mm  
DPF High Loading



### DPFMAN076

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 250mm  
Body Diameter= 250x115mm  
DPF Only



### DPFMAN088

Universal Diesel Particulate Filter  
Ceramic Cordierite Substrate  
Total Length= 400mm  
Body Diameter= 127mm  
DPF+CAT

## DPF Recondition Steps

1. Choose the right size of DPF Substrate



2. Cut and replace the old DPF Substrate





# DIESEL PARTICULATE FILTERS



## DPF020

Diesel Particulate Filter suitable for:  
Audi A4 1.9 01/06-06/08  
Audi A4 2.0 BRE,BPW 11/04-06/08  
Audi A4 2.5 BCZ,BDG 11/04 -  
Audi A4 2.7 BPP,CAMA 11/04-  
Audi A4 3.0 BKN,ASB 11/04-  
Audi A6 1.9Tdi 04-



## DPF044

Diesel Particulate Filter suitable for:  
BMW 530d (E60) 3.0 M57N 02/02-05  
BMW 525d (E60) 2.5 02/02-02/07  
BMW X5 3.0(E53) M57N 01/03-09/06



## DPF029

Diesel Particulate Filter suitable for:  
BMW X3 SUV 2.0D/3.0D E83/X83 04-10  
BMW X3 E83 2.0d 05/2003-07/2006  
BMW X3 E83 LCI 2.0d M47N2 03/06-08/07  
BMW 520 E60/E61 2.0d 16v M47/N47  
09/05-09/07



## DPF1072

Diesel Particulate Filter suitable for:  
Audi A3 2.0TDi BUY 06/2005-06/2008  
Audi A3 2.0TDi BUY 03/2006-05/2010  
Skoda Octavia 2.0TDi BMN 11/05-05/2010  
VW Golf 5 2.0TDi BMN 06/2007-06/2009  
VW Passat 2.0TDi BMR 08/2005-05/2009  
VW Passat 2.0TDi BUZ 08/2005-05/2009  
VW Touran 2.0TDi BMN 12/05-05/2010



## PT6066T

Diesel Particulate Filter suitable for:  
PEUGEOT 206 H.Back 1.6 HDi 110 (109hp) 05/04-  
PEUGEOT 207 H.Back 1.6 HDi (109hp) 02/06-  
PEUGEOT 307 H.Back 1.6 HDi 110 FAP (109hp) 02/04-  
PEUGEOT 308 H.Back 1.6 HDi (90hp) 09/07-  
PEUGEOT 407 Sedan 1.6 HDi 110 (109hp) 05/04-  
PEUGEOT 1007 H.Back 1.6 HDi (109hp) 06/07-



## DPF1100

Diesel Particulate Filter suitable for:  
Smart ForTwo 451 Coupe 0.8CDi WDB451300 '2007-  
Smart ForTwo 451 Coupe 0.8CDi WDB451301 '2007-



## LX6002T

Diesel Particulate Filter suitable for:  
LEXUS IS220D 2.2TD (2AD-FHV engine) '05-'10

**...more than 250 different models of Diesel Particulate Filters in stock...please contact us for more info**



## FIA CONVERTERS



### CAT104R1

Inlet=63.5mm Body Diameter=101.5mm Total length=290mm

### CAT104R1-3

Inlet=76mm Body Diameter=101.5mm Total length=290mm

Substrate Length=105mm monolith

Metallic substrate 100cps / Up to 300HP

Max operating Temperature=1300dgrs C

FIA approved / Group N

FIA Homologation Number: SBF KAT 08-022

### CAT125R1

Inlet=63.5mm Body Diameter=127mm Total Length=300mm

### CAT125R1-3

Inlet=76mm Body Diameter=127mm Total Length=300mm

Substrate Length=105mm monolith

Metallic substrate 100cps / Up to 600HP

Max operating Temperature=1300dgrs C

FIA approved / Group N

FIA Homologation Number: SBF KAT 09-023

## CLASSIC CARS CONVERTERS



### CAT01

Inlet Diameter= IDΦ57mm

Body Diameter= Φ100mm

Total Length= 250mm

Metallic Substrate 200 Cpsi

Specially for Classic Cars

Suitable for carburettor and fuel injected engines

Reduce heavy exhaust emissions and smells



### CAT02

Inlet Diameter= IDΦ45mm

Body Diameter= Φ83mm

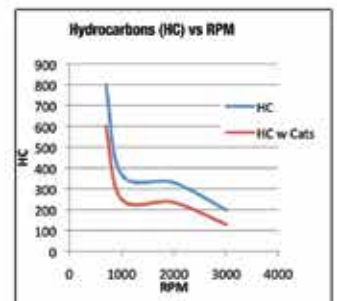
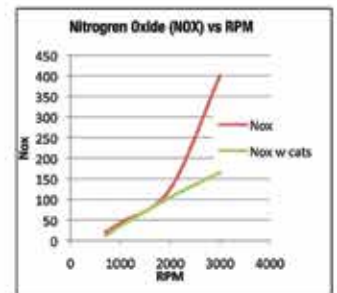
Total Length= 230mm

Metallic Substrate 200 Cpsi

Specially for Classic Cars

Suitable for carburettor and fuel injected engines

Reduce heavy exhaust emissions and smells



**EURO 4**



**CAT100R-4**

Inlet=60mm, Body Diameter=100mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro4 High Loading**  
Designed for performance road vehicles



**CAT110R-4**

Inlet=63.5mm, Body Diameter=110mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro4 High Loading**  
Designed for performance road vehicles



**CAT120R-4**

Inlet=63.5mm, Body Diameter=120mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro4 High Loading**  
Designed for performance road vehicles



**CAT130R-4**

Inlet=63.5mm, Body Diameter=130mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro4 High Loading**  
Designed for performance road vehicles



**CAT140R-4**

Inlet=76mm, Body Diameter=140mm  
Total Length=300mm  
Metallic substrate 200cps  
**Euro4 High Loading**  
Designed for performance road vehicles

**EURO 5**



**CAT100R-5**

Inlet=60mm, Body Diameter=100mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro5 High Loading**  
Designed for performance road vehicles



**CAT110R-5**

Inlet=63.5mm, Body Diameter=110mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro5 High Loading**  
Designed for performance road vehicles



**CAT120R-5**

Inlet=63.5mm, Body Diameter=120mm  
Total Length=280mm  
Metallic substrate 200cps  
**Euro5 High Loading**  
Designed for performance road vehicles

**EURO 5**



**CAT130R-5**

Inlet=63.5mm, Body Diameter=130mm  
Total Length=280mm  
Metallic substrate 200cps  
Euro5 **High Loading**  
Designed for performance road vehicles



**CAT140R-5**

Inlet=76mm, Body Diameter=140mm  
Total Length=300mm  
Metallic substrate 200cps  
Euro5 **High Loading**  
Designed for performance road vehicles

**EURO 6**



**CAT100R-6**

Inlet=60mm, Body Diameter=100mm  
Total Length=280mm  
Metallic substrate 200cps  
Euro6 **High Loading**  
Designed for performance road vehicles



**CAT110R-6**

Inlet=63.5mm, Body Diameter=110mm  
Total Length=280mm  
Metallic substrate 200cps  
Euro6 **High Loading**  
Designed for performance road vehicles



**CAT120R-6**

Inlet=63.5mm, Body Diameter=120mm  
Total Length=280mm  
Metallic substrate 200cps  
Euro6 **High Loading**  
Designed for performance road vehicles



**CAT130R-6**

Inlet=63.5mm, Body Diameter=130mm  
Total Length=280mm  
Metallic substrate 200cps  
Euro6 **High Loading**  
Designed for performance road vehicles



**CAT140R-6**

Inlet=76mm, Body Diameter=140mm  
Total Length=300mm  
Metallic substrate 200cps  
Euro6 **High Loading**  
Designed for performance road vehicles



**EURO 4**



**CM400R**

Inlet Pipe Diameter= 50mm  
Body Dimensions= 150x95mm  
Body Length without ending tubes= 280mm  
Metallic Substrate 200cps  
Euro4 **High Loading**  
Designed for performance road vehicles



**CM402R**

Inlet Pipe Diameter= 60mm  
Body Dimensions= 180x110mm  
Body Length without ending tubes= 360mm  
Metallic Substrate 200cps  
Euro4 **High Loading**  
Designed for performance road vehicles

**E-MARKED CATALYSTS**

**EURO 4**



E9

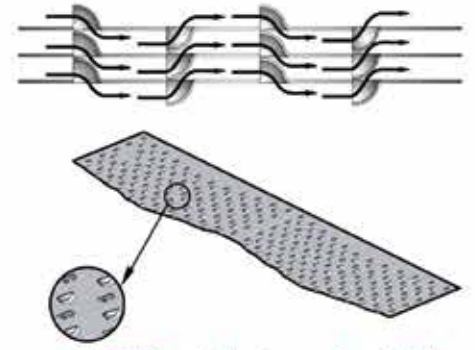
**CAT104R2T** E-Marked  
Inlet=63.5mm, Body Diameter=101mm  
**CAT104R2T-3** E-Marked  
Inlet=76mm, Body Diameter=101mm  
Total Length=300mm  
Metallic substrate 200cps  
Euro4 **High Loading**  
Designed for performance road vehicles

**EURO 5**



E9

**CATA9X** E-Marked  
Inlet=63.5mm, Body Diameter=101mm  
Total Length=300mm  
Metallic substrate 200cps  
Euro5 **High Loading**  
Designed for performance road vehicles



**NEW!!! Special structure perforated foil**

**DPF125R**

Inlet=63.5mm, Body Diameter=127mm  
Total Length=300mm  
Metallic substrate / 'TWISTER' Cell Design  
Designed for performance road vehicles



**DPF400R-3**

Inlet=76mm, Body Dimensions=210x110  
Total Length=390mm  
Metallic substrate / 'TWISTER' Cell Design  
Designed for performance road vehicles  
Include 2 pipe adaptors from 76mm to 63.5mm

## STAINLESS STEEL CONES



**235060**  
Height = 65mm  
SUS304



**235085-02**  
Height = 65mm  
SUS304



**235110**  
Height = 58mm  
SUS304



**235114**  
Height = 100mm  
SUS304



**235137**  
Height = 73.5mm  
SUS304



**235156-55** Φ55mm  
**235156-64** Φ64mm  
**235156-70** Φ70mm  
**235156-76** Φ76mm  
SUS304



**235189**  
Height = 60mm  
SUS304



**235203-01**  
Height = 57mm  
SUS304



**235208-01**  
Height = 60mm  
SUS304



**235210**  
Height = 57mm  
SUS304



**235214**  
Height = 58mm  
SUS304



## STAINLESS STEEL CONES



IDΦ47

Φ89

**TR-01**

Height = 100mm

SUS304



IDΦ57

Φ105

**TR-03**

Height = 100mm

SUS304



IDΦ52

Φ98

**TR-04**

Height = 100mm

SUS304



IDΦ57

Φ107

**TR-05**

Height = 100mm

SUS304



IDΦ61

Φ117

**TR-06**

Height = 100mm

SUS304



IDΦ60

Φ130

**TR-07**

Height = 90mm

SUS304



IDΦ60

Φ130

**TR-08**

Height = 65mm

SUS304

## STAINLESS STEEL CONES



Φ120

**TR-15**  
Height = 100mm  
SUS409



Φ127

**TR-17**  
Height = 110mm  
SUS409



Φ150

**TR-19**  
Height = 120mm  
SUS409



Φ120

**TR-20**  
Height = 50mm  
SUS409



Φ122

**TR-21**  
Height = 65mm  
SUS409



Φ133

**TR-22**  
Height = 60mm  
SUS409



Φ144

**TR-23**  
Height = 65mm  
SUS409



Φ160

**TR-24**  
Height = 60mm  
SUS409



Φ170

**TR-25**  
Height = 90mm  
SUS409



Φ184

**TR-26**  
Height = 90mm  
SUS409



Φ204

**TR-27**  
Height = 90mm  
SUS409



Φ134

**TR-28**  
Height = 40mm  
SUS409



Φ145

**TR-29**  
Height = 55mm  
SUS409



Φ160

**TR-30**  
Height = 55mm  
SUS409



Φ168

**TR-31**  
Height = 65mm  
SUS409



Φ133

**TR-32**  
Height = 55mm  
SUS409

## STAINLESS STEEL CONES



ID $\Phi$ 38  
 $\Phi$ 76  
**C-76**  
Height = 50mm  
SUS304



ID $\Phi$ 42  
 $\Phi$ 80  
**C-80**  
Height = 50mm  
SUS304



ID $\Phi$ 42  
 $\Phi$ 85  
**C-85**  
Height = 60mm  
SUS304



ID $\Phi$ 45  
 $\Phi$ 90  
**C-90**  
Height = 65mm  
SUS304



ID $\Phi$ 45  
 $\Phi$ 95  
**C-95**  
Height = 70mm  
SUS304



ID $\Phi$ 51  
 $\Phi$ 100  
**C-100**  
Height = 70mm  
SUS304



ID $\Phi$ 51  
 $\Phi$ 105  
**C-105**  
Height = 80mm  
SUS304



ID $\Phi$ 55  
 $\Phi$ 110  
**C-110**  
Height = 75mm  
SUS304



ID $\Phi$ 57  
 $\Phi$ 115  
**C-115**  
Height = 80mm  
SUS304



ID $\Phi$ 57  
 $\Phi$ 120  
**C-120**  
Height = 85mm  
SUS304



ID $\Phi$ 64  
 $\Phi$ 125  
**C-125**  
Height = 85mm  
SUS304



ID $\Phi$ 64  
 $\Phi$ 130  
**C-130**  
Height = 95mm  
SUS304



ID $\Phi$ 70  
 $\Phi$ 140  
**C-140**  
Height = 90mm  
SUS304



## STAINLESS STEEL CONES



Φ155  
**EC001**  
Height = 70mm  
SUS409



Φ150  
**EC002**  
Height = 55mm  
SUS409



Φ155  
**EC004XL**  
Height = 45mm  
SUS409



Φ130  
**EC005**  
Height = 56mm  
SUS409



Φ150  
**EC006**  
Height = 60mm  
SUS409



Φ100  
**EC007**  
Height = 75mm  
SUS409



Φ100  
**EC007B**  
Height = 70mm  
SUS409



Φ114  
**EC008**  
Height = 60mm  
SUS409



Φ100  
**EC009**  
Height = 70mm  
SUS409



Φ100  
**EC00957**  
Height = 70mm  
SUS409



Φ150  
**EC012**  
Height = 50mm  
SUS409



Φ115  
**EC013**  
Height = 56mm  
SUS409



Φ130  
**EC016**  
Height = 40mm  
SUS409



Φ110  
**EC017**  
Height = 75mm  
SUS409

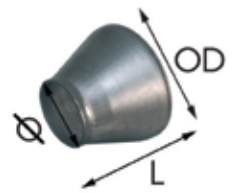


Φ110  
**EC018**  
Height = 65mm  
SUS409



Φ110  
**EC019**  
Height = 55mm  
SUS409

## HJS STAINLESS STEEL SUS304 CONES



### Φ90MM (OD)

90600556	IDΦ46	L=60
90600557	IDΦ46	L=80
90600554	IDΦ57	L=69
90600555	IDΦ57	L=47
90600558	IDΦ57	L=63



90600556



90600557



90600554



90600555



90600558

### Φ105MM (OD)

90600548	IDΦ70	L=150
90600549	IDΦ76	L=92
90600547	IDΦ57	L=75
90600550	IDΦ78	L=44
90600541	IDΦ57	L=92
90600543	IDΦ57	L=55
90600542	IDΦ57	L=44
90600551	IDΦ65	L=92



90600548



90600549



90600547



90600550



90600541



90600543



90600542



90600551

### Φ117MM (OD)

90600552	IDΦ55	L=80
90600533	IDΦ56	L=72
90600546	IDΦ55	L=75
90600534	IDΦ56	L=72
90600530	IDΦ70	L=83
90600531	IDΦ60	L=88
90600532	IDΦ67	L=60



90600552



90600533



90600546



90600534



90600530



90600531



90600532

### Φ127MM (OD)

90600553	IDΦ77	L=150
90600520	IDΦ77	L=103
90600540	IDΦ64	L=103
90600539	IDΦ77	L=115
90600536	IDΦ64	L=171
90600538	IDΦ77	L=180



90600553



90600538



90600540



90600539



90600536



90600520

# LAMBDA BOSSES



**998150**  
S/Steel Lambda boss  
with 50dgrs angle  
M18x1.5  $\Phi$ 25 L=33-12mm

**998175**  
S/Steel Lambda boss  
with 75dgrs angle  
M18x1.5  $\Phi$ 25 L=66-12mm



**501054**  
S/Steel Lambda boss  
M18x1.5 L=12mm



**501054-02**  
Mild Steel Chromed  
Lambda boss  
M18x1.5 L=9mm



**500084**  
S/Steel Plug M18x1.5



**LB038**  
Mild Steel  
Lambda boss+Plug  
M18x1.5



**OB4154**  
Mild Steel Lambda boss  
with 45dgrs angle  
M18x1.5  $\Phi$ 25 L=20-5mm



**LB060**  
Mild Steel Lambda boss  
with 60dgrs angle  
M18x1.5  $\Phi$ 27 L=25-10mm



**501060**  
S/Steel Lambda boss  
M20x1.5 L=12mm



**501061**  
S/steel 304  
Lambda boss+Plug  
M18x1.5  $\Phi$ 24 L=30



**LB001**  
Mild Steel  
DPF Boss M16x1.5  
L=22mm  
Internally Threaded



**LB004**  
Mild Steel  
DPF Boss M14x1.5  
L=20mm / External



**LB013**  
Mild Steel  
DPF Boss M14x1.5  
L=20mm  
External chamber



**LB015**  
Mild Steel  
DPF Boss M14x1.5  
L=14mm / Cap



**LB018**  
Mild Steel  
DPF Boss M6  
L=18mm



**LB022**  
Mild Steel  
DPF Boss M14x1.5  
L=20mm / External chamber



**LB039**  
S/Steel Steel  
DPF Boss M12x1.25  
L=15mm / Plug for LB079



**LB040E**  
Mild Steel  
DPF Boss M16x1.5  
L=19mm / Shallow



**LB079**  
Mild Steel  
DPF Boss M12x1.25  
L=15mm / Internal



**OB7442**  
Mild Steel  
DPF Boss M14x1.5  
L=20mm / Internal Seated



**SMP1578**  
Mild Steel  
DPF Boss M18x1.5  
L=20mm / for Sensor



## CEL-FIX ADAPTORS

**Twister**



**SA100**  
Cel-Fix Adaptor  
with Metallic Cat Euro5 / M18

**SA600**  
Cel-Fix Adaptor  
with Metallic Cat Euro6 / M18  
(To switch off the Control Engine Light)



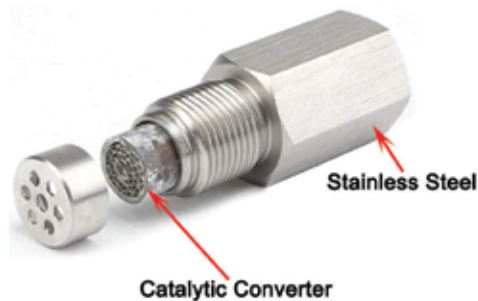
**SA145**  
Cel-Fix Adaptor  
with Metallic Cat Euro5 / 45dgrs / M18

**SA645**  
Cel-Fix Adaptor  
with Metallic Cat Euro6 / 45dgrs / M18  
(To switch off the Control Engine Light)



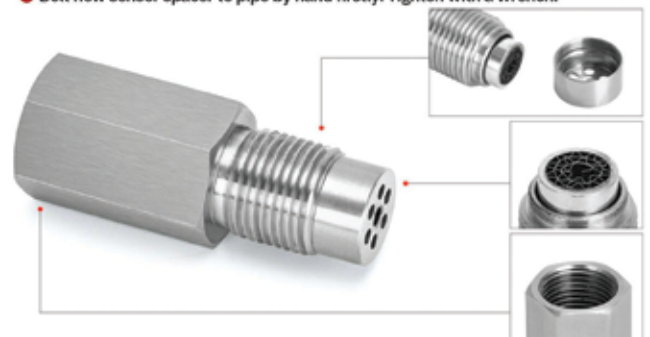
**SA190**  
Cel-Fix Adaptor  
with Metallic Cat Euro5 / 90dgrs / M18

**SA690**  
Cel-Fix Adaptor  
with Metallic Cat Euro6 / 90dgrs / M18  
(To switch off the Control Engine Light)



### ▶ INSTALLATION INSTRUCTIONS:

- Jack up car if necessary, find extended bung which need to replace.
- Loosen old oxygen sensor spacer, bolt it on our new sensor spacer.
- Bolt new sensor spacer to pipe by hand firstly. Tighten with a wrench.



### Fitting Instructions

This Oxygen Sensor CEL-Fix adaptor is a solution for vehicles with titanium oxide sensors or "smart" Engine Control Units (ECUs) with sophisticated checks where an electronic oxygen sensor simulator cannot achieve the desired results. It is universal and applies to almost all EOBD vehicles which have two oxygen sensors (one before and one after the catalytic converter). This CEL-Fix is used to restore a normal signal for the oxygen sensor when the catalyst is removed or replaced with a racing catalyst resulting in an error message (CEL-Check Engine Light) in the controller. Unlike simple designs that place the Oxygen Sensor just a bit away from the exhaust gas stream and prevent the CEL only for short term, our CEL-Fix adaptor has an integrated HJS mini-catalyst which actually improves the exhaust gas quality before it is measured by the Oxygen Sensor. It comes with an Oxygen Sensor Standard Thread M18x1.55 on each side for easy installation. **The CEL-Fix adaptor MUST be installed ONLY on the second Oxygen Sensor which is always located after the Catalytic converter.** For vehicles with 2 parallel catalytic converters (Left and Right), must be used 2 CEL-Fix adaptors, always to the second Oxygen Sensor after the Catalytic Converters.

Warning: Never install the CEL-Fix adaptor to the first oxygen sensor (nearest to the engine) located in front of the catalytic converter, since it is responsible for proper information of the mixture because the CEL-Fix adaptor it will not work!

**Attention: After the installation of the adaptor, must visit a specialist to switch off the CEL!!!**

