MOTORSPORT

Delivery Programme 2021-1

Catalysts

Universal Competition Exhaust Parts

www.hjs-motorsport.com

HJS MOTORSPORT TUNING

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Universal Competition Exhaust Parts

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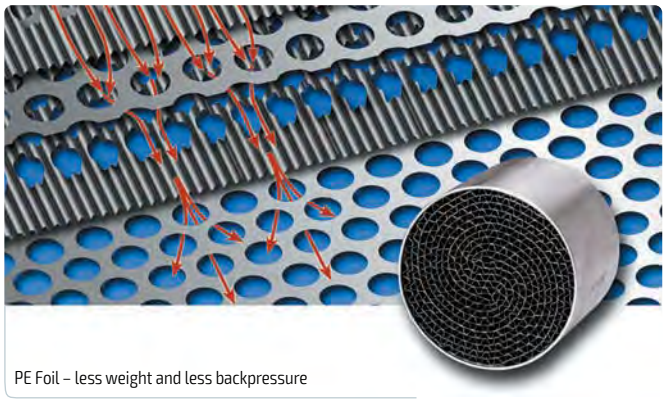
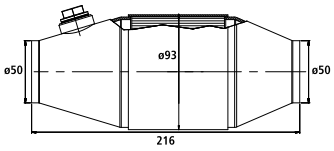
Motorsport PE-Catalysts

Catalytic Converter Technology: HJS offers a universal non-regulated catalytic converter system with **100 cpsi** for motor sport applications. For the different cubic capacity classes of racing vehicles, a corresponding catalytic converter with a specifically adapted catalytic converter volume has been developed. A possible capacity factor (e.g. for turbo charging) is not taken into account for the catalyst size.

New generation of HJS motorsport PE catalysts with DMSB homologation: The new generation of HJS high performance PE catalysts are characterized by 30 % less weight in relation to the so far used parts. We have reduced the backpressure about another 15%, the exhaust gas pollution reduction is optimised as well. The thickness of the foil (0.11 mm) persists unchanged. For the catalysts with the new developed foil (PE) we can guarantee the same durability in relation to our so far offered products.

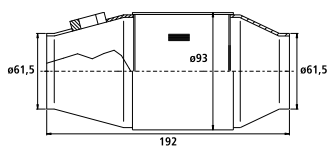


PE Foil – less weight and less backpressure



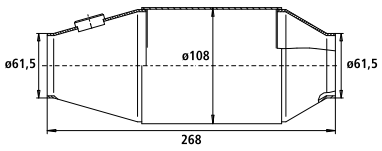
HJS-No. 90 95 0019

FIA DMSB
ST 9074/10 PE
up to 1200 ccm / up to 180 hp,
up to 2000 ccm* / up to 360 hp
Weight: 1.0 kg



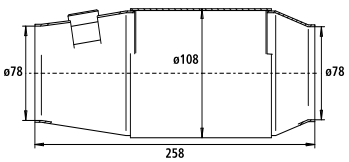
HJS-No. 90 95 0020

FIA DMSB
ST 9074/10 PE
up to 1200 ccm / up to 180 hp,
up to 2000 ccm* / up to 360 hp
Weight: 1.0 kg



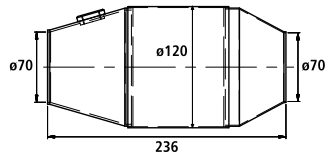
HJS-No. 90 95 0058

FIA DMSB
WRC 1112/10 PE
up to 2000 ccm / up to 240 hp,
up to 4000 ccm* / up to 480 hp
Weight: 1.8 kg



HJS-No. 90 95 0054

FIA DMSB
WRC 1112/10 PE
up to 2000 ccm / up to 240 hp,
up to 4000 ccm* / up to 480 hp
Weight: 1.6 kg



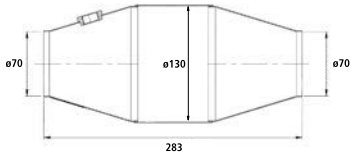
HJS-No. 90 95 0053

FIA DMSB
S2 1210/10 PE
up to 2000 ccm / up to 300 hp,
up to 4000 ccm* / up to 560 hp
Weight: 1.5 kg

Size in mm

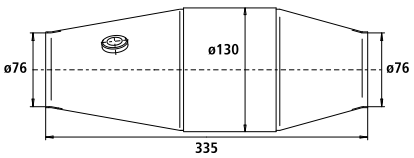
* Two catalytic converters to be mounted parallel

Motorsport PE-Catalysts



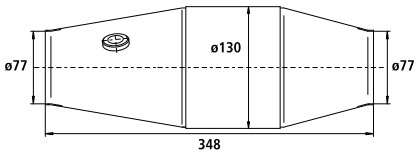
HJS-No. 90 95 0063

DMSB-CAT-1-24/17
up to 1600 ccm / up to 350 hp
Weight: 1.5 kg



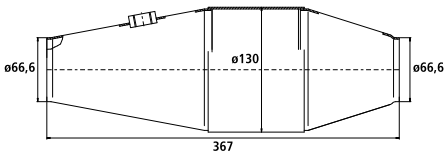
HJS-No. 90 95 0060

T 1.6 1277-10 PE
up to 1600 ccm / up to 350 hp
Weight: 1.7 kg



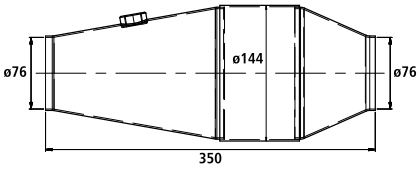
HJS-No. 90 95 0046

2/2790-10 PE
up to 2000 ccm / up to 350 hp,
up to 5000 ccm* / up to 700 hp
Weight: 2.0 kg



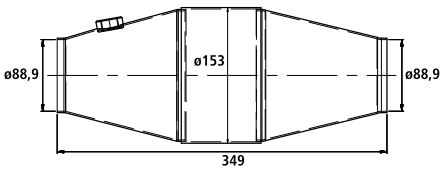
HJS-No. 90 95 0045

WRC 1279/10 PE
up to 2000 ccm / up to 350 hp,
up to 5000 ccm* / up to 700 hp
Weight: 2.0 kg



HJS-No. 90 95 0050

GT 1407/10 PE
up to 3000 ccm / up to 400 hp,
up to 6000 ccm* / up to 800 hp
Weight: 3.1 kg



HJS-No. 90 95 0069

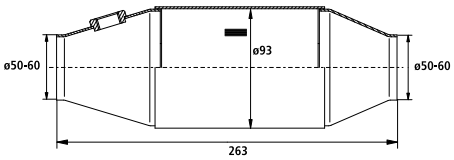
DMSB-CAT-1-20/16
up to 3000 ccm / up to 500 hp,
up to 6000 ccm* / up to 900 hp
Weight: 2.5 kg

Size in mm

* Two catalytic converters to be mounted parallel

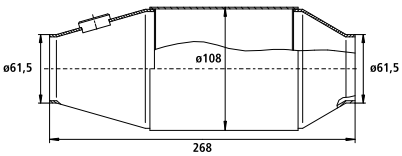
Motorsport Cup-Catalysts

For all Cup series and standard motorsport cars with exhaust temperature not over 950 degrees centigrade, HJS offers a special 100 cpsi catalyst which combines the high quality of HJS products with **a best price** calculation. The target group are production-based F / Gr. N / R cars.
The Cup catalysts are based on the well known HJS motorsport PE-catalysts, that guarantees best quality and durability for years.



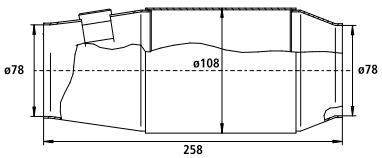
HJS-No. 90 95 0056 Cup

FIA R 9012-10
DMSB up to 1600 ccm / up to 180 hp
up to 3600 ccm* / up to 360 hp
Weight: 1.7 kg



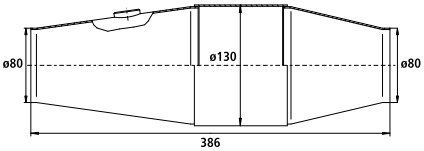
HJS-No. 90 95 0057 Cup

FIA WRC 1112-10
DMSB up to 2000 ccm / up to 240 hp
Weight: 2.2 kg



HJS-No. 90 95 0055 Cup

FIA WRC 1112-10
DMSB up to 2000 ccm / up to 240 hp
Weight: 2.1 kg



HJS-No. 90 95 0044 Cup

FIA WRC 1279-10
DMSB up to 2000 ccm / up to 300 hp,
up to 4000 ccm* / up to 600 hp
Weight: 2.9 kg

Size in mm

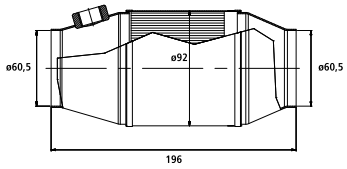
* Two catalytic converters to be mounted parallel

Motorsport UL-Catalysts

Ultra-light catalytic converter reduces weight by up to 50%:

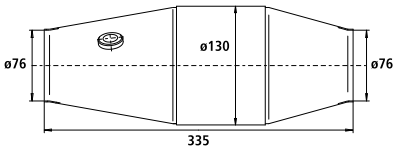
With the new ultra-light matrix it was possible to reduce the HJS PE-catalyst's overall weight by up to 50%. The thickness of the catalyst casing can be reduced from 1.5 to 0.5 mm by use of the new three-dimensional bionic structure. In connection with the previously used perforated foil (PE) there is a significant weight reduction of over 50% compared to products of competitors.
The smaller difference in thermal capacity of the steel foil matrix and the casing is another advantage of the product. As a result the durability doubles under the extremely high thermal shock loads commonly experienced in motorsport.

UL catalyst with bionic 3D structure



HJS-No. 90 95 0021 UL

FIA T 1.6 9074-10
DMSB up to 1200 ccm / up to 180 hp,
up to 2000 ccm* / up to 360 hp
Weight: 0.9 kg



HJS-No. 90 95 0061 UL

FIA T 1.6 1277-10
DMSB up to 1600 ccm / up to 350 hp
Weight: 1.4 kg

Size in mm

* Two catalytic converters to be mounted parallel

Integral-Insulation

High-temperature, integral insulation for exhaust systems

Integral insulation is used to protect temperature-sensitive engine components against radiant heat and to improve the functionality (thermal management) of catalytic converters and diesel particulate filters. The integral insulation, which has been developed specifically for application in motorsport, is made up of a 0.1-mm-thick, spherically embossed, stainless steel foil (outer shell) and a high-temperature-resistant, 4 - 12-mm-thick fibre mat (insulating material). The thinness of these materials means the amount of extra weight of the insulation is kept to a minimum. HJS's integral insulation stands out thanks to its excellent long-term durability at temperatures in excess of 1000°C. It can be used for all components subjected to high temperatures, such as exhaust manifolds, exhaust pipes, catalytic converters, diesel particulate filters and silencers.

Turbo Exhaust Pipe Mitsubishi EVO X Gr. N/R4

Motorsport Catalyst-Muffler-Systems

The developed Motorsport **catalyst muffler system** from HJS provides many advantages. The compact construction permits the installation also in vehicles with little ground clearance. The combination of muffler and PE catalyst effects a clear weight reduction. The exchangeable PE catalyst unit guarantees a cost-effective replacement.

Integral insulation optional

Catalyst-Muffler-Systems

HJS-No.	Diameter x Length	Pipe Diameter	Vehicle Classification
90 95 0600	142 x 425 mm	63,5 mm	up to 2.000 ccm / up to 4.000 ccm* / 240 hp
90 95 0610	142 x 425 mm	70 mm	up to 2.000 ccm / up to 4.000 ccm* / 240 hp
90 95 0680	142 x 420 mm	60 mm	up to 2.000 ccm / up to 4.000 ccm* / 300 hp
90 95 0670	143 x 580 mm	70 mm	up to 3.000 ccm / up to 6.000 ccm* / 400 hp
90 95 0601	Spare Part Catalyst for 90 95 0600	63,5 mm	up to 2.000 ccm / up to 4.000 ccm* / 240 hp
90 95 0611	Spare Part Catalyst for 90 95 0610	70 mm	up to 2.000 ccm / up to 4.000 ccm* / 240 hp

* Two catalytic converters to be mounted parallel.

DMSB and FIA Homologation Certificate

Attention! Important Change!

Form 1st of January 2017 we deliver our homologated motorsport catalysts only with a copy of the DMSB homologation sheets.

Only for FIA Motorsports events an “authentic copy” is requiered. You can order the “authentic copy” directly form the DMSB germany. You will find the DMSB order sheet under: www.dmsb.de (Downloadcenter -> Bestellformular für Homologationen und Zertifikate)

TECHNOLOGY CHECK

- DMSB homologated
- FIA authorised
- 100 cpsi
- Stainless steel catalyst
- Optimized gas flow
- CUP-Design/PE-Design/UL-Design

Cup-Design

- Triple foil winding
- Three winding centers
- Standard foil structure
- High durability and strength

PE-Design

- Triple foil winding
- Three winding centers
- Perforated foil structure

  15% Exhaust back pressure reduction

  30% lighter than competitive products
- High durability and strength

UL-Design

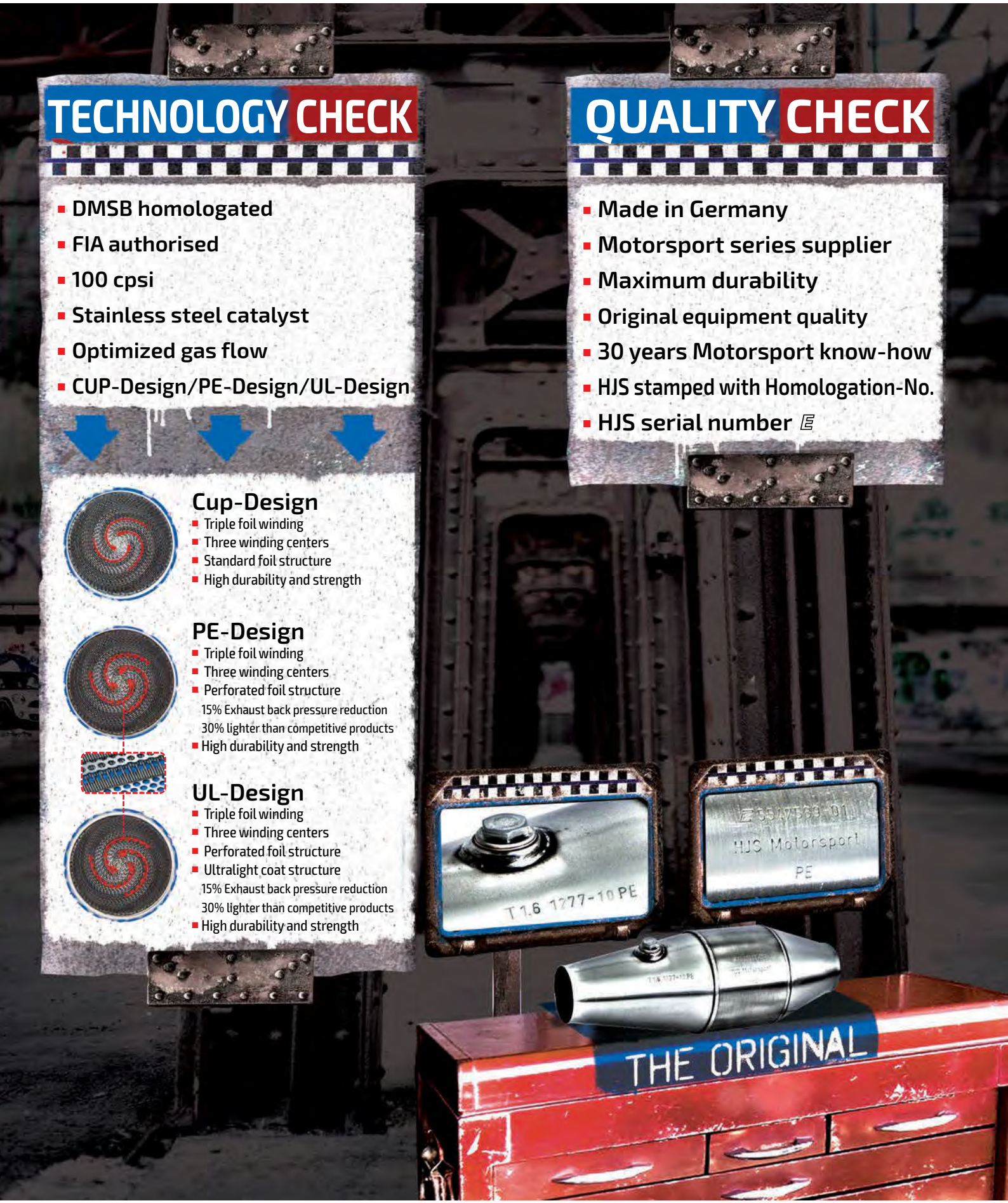
- Triple foil winding
- Three winding centers
- Perforated foil structure
- Ultralight coat structure

  15% Exhaust back pressure reduction

  30% lighter than competitive products
- High durability and strength

QUALITY CHECK

- Made in Germany
- Motorsport series supplier
- Maximum durability
- Original equipment quality
- 30 years Motorsport know-how
- HJS stamped with Homologation-No.
- HJS serial number E



Universal competition exhaust parts

Export and single approval according to §21 StVZO

Universal competition exhaust parts

A complete program of universal parts for the self-construction of exhaust systems is offered by the company HJS. With this delivery programme, each passionate motor sport fan has now the opportunity of designing his exhaust system individually. It is also extremely helpful for the reconstruction or replacement of original parts which are no longer available. All parts are manufactured in **stainless steel**.

The HJS silencers reduce the noise by absorption through centre perforated tubes and high temperature proof fibreglass. Accordingly, there is less gas flow restriction and hence back pressure is reduced and engine performance is optimised.

The pipe ends are expanded to a length of 30 mm.

Outside-Ø 45 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 4900	Straight Pipe	980 mm	1,5 mm
90 60 4930	30° Degree bend	125 mm	1,5 mm
90 60 4945	45° Degree bend	135 mm	1,5 mm
90 60 4960	60° Degree bend	160 mm	1,5 mm
90 60 4990	90° Degree bend	220 mm	1,5 mm

Outside-Ø 48 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5000	Straight Pipe	980 mm	1,5 mm
90 60 5030	30° Degree bend	125 mm	1,5 mm
90 60 5045	45° Degree bend	135 mm	1,5 mm
90 60 5060	60° Degree bend	160 mm	1,5 mm
90 60 5090	90° Degree bend	220 mm	1,5 mm

Outside-Ø 50 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5100	Straight Pipe	980 mm	1,5 mm
90 60 5130	30° Degree bend	120 mm	1,5 mm
90 60 5145	45° Degree bend	140 mm	1,5 mm
90 60 5160	60° Degree bend	140 mm	1,5 mm
90 60 5190	90° Degree bend	220 mm	1,5 mm

Outside-Ø 55 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5200	Straight Pipe	980 mm	1,5 mm
90 60 5230	30° Degree bend	120 mm	1,5 mm
90 60 5245	45° Degree bend	160 mm	1,5 mm
90 60 5260	60° Degree bend	165 mm	1,5 mm
90 60 5290	90° Degree bend	220 mm	1,5 mm

Outside-Ø 60 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5300	Straight Pipe	980 mm	1,5 mm
90 60 5330	30° Degree bend	120 mm	1,5 mm
90 60 5345	45° Degree bend	145 mm	1,5 mm
90 60 5360	60° Degree bend	160 mm	1,5 mm
90 60 5390	90° Degree bend	220 mm	1,5 mm

Outside-Ø 65 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5400	Straight Pipe	980 mm	1,2 mm
90 60 5430	30° Degree bend	120 mm	1,2 mm
90 60 5445	45° Degree bend	145 mm	1,2 mm
90 60 5460	60° Degree bend	190 mm	1,2 mm
90 60 5490	90° Degree bend	220 mm	1,2 mm

Outside-Ø 70 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5500	Straight Pipe	980 mm	1,5 mm
90 60 5530	30° Degree bend	120 mm	1,5 mm
90 60 5545	45° Degree bend	145 mm	1,5 mm
90 60 5560	60° Degree bend	190 mm	1,5 mm
90 60 5590	90° Degree bend	240 mm	1,5 mm

Outside-Ø 76 mm - Universal Competition Pipes and Bends

HJS-No.	Description	Length	Wall thickness
90 60 5700	Straight Pipe	980 mm	1,5 mm
90 60 5730	30° Degree bend	130 mm	1,5 mm
90 60 5745	45° Degree bend	150 mm	1,5 mm
90 60 5760	60° Degree bend	190 mm	1,5 mm
90 60 5790	90° Degree bend	250 mm	1,5 mm

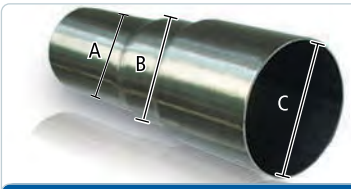
Universal competition exhaust parts

Export and single approval according to §21 StVZO

Flexible-pipe coupling, 3-thick walled, Heavy Duty, gas-tight

HJS-No.	Inside-Ø	Outside-Ø	Length
90 60 4910	45 mm	70 mm	94 mm
90 60 5110	50 mm	75 mm	100 mm
90 60 5210	55 mm	80 mm	105 mm
90 60 5310	60 mm	90 mm	120 mm
83 00 8476	60 mm	86 mm	200 mm
83 00 8335	64 mm	86 mm	117 mm
90 60 5410*	64 mm	86 mm	200 mm
83 00 8473	70 mm	106 mm	100 mm
90 60 5510	70 mm	95 mm	150 mm
83 00 8474	70 mm	103 mm	200 mm
90 60 5710	76 mm	101 mm	150 mm
83 00 8475	76 mm	102 mm	200 mm
83 00 8443	80 mm	108 mm	120 mm
83 00 8444	80 mm	108 mm	150 mm
83 00 8445	80 mm	108 mm	200 mm
83 00 8539	90 mm	121 mm	200 mm

*2-thick walled



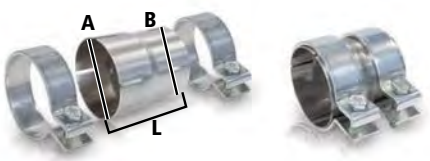
A = Outside-Ø mm
B = Outside-Ø mm
C = Inside-Ø mm

Stepped Connection Pipes

HJS-No.	A	B	C	Length
90 60 5020	45 mm	48 mm	50 mm	170 mm
90 60 5120	48 mm	50 mm	55 mm	170 mm
90 60 5220	50 mm	55 mm	60 mm	170 mm
90 60 5320	55 mm	60 mm	70 mm	170 mm
90 60 5520	60 mm	70 mm	76 mm	170 mm

A = Inside-Ø mm
B = Inside-Ø mm
L = Length

Similar picture



Adaptors, Stainless Steel 1.4301 (Band clamps 30mm)

HJS-No.	A	B	L
90 60 5331	60 mm	50 mm	90 mm
90 60 5335	60 mm	55 mm	90 mm
90 60 5532	70 mm	55 mm	90 mm
90 60 5531	70 mm	60 mm	125 mm
90 60 5535	70 mm	65 mm	90 mm
90 60 5732	76 mm	60 mm	90 mm
90 60 5731	76 mm	65 mm	90 mm
90 60 5735	76 mm	70 mm	90 mm
90 60 5736	76 mm	76 mm	90 mm

SoftFlex Bellows, wire mesh

HJS-No.	Inside-Ø	Outside-Ø SoftFlex	L-Flex/L-ges
83 00 8573 [3]	45 mm	71 mm	200 mm
83 00 8584 [3]	50 mm	81 mm	145 mm
83 00 8571 [3]	50 mm	71 mm	200 mm
83 00 8449 [3]	60 mm	88 mm	160 mm
83 00 8579 [3]	60 mm	80 mm	190 mm
83 00 8448 [3]	60 mm	88 mm	200 mm
83 00 8574 [3]	62 mm	92 mm	210 mm
83 00 8447 [3]	70 mm	96 mm	120 mm
83 00 8446 [3]	70 mm	96 mm	200 mm
83 00 8581 [3]	76 mm	101 mm	150 mm
83 00 8583 [3]	76 mm	115 mm	205 mm
83 00 8437 [3]	80 mm	107 mm	138 mm

3 = auch über 800 °C einsetzbar

Pipe Coupling

HJS-No.	Ø	Length
83 12 2857	45,0 mm	90 mm
83 00 4809	48,0 mm	90 mm
83 00 5007	50,0 mm	70 mm
83 12 2858	50,0 mm	90 mm
83 00 5507	55,0 mm	70 mm
83 12 2860	55,0 mm	90 mm
83 00 6007	60,0 mm	70 mm
83 12 2859	60,0 mm	90 mm
83 00 6507	65,0 mm	70 mm
83 00 6509	65,0 mm	90 mm
83 00 7007	70,0 mm	70 mm
83 00 7609	76,0 mm	90 mm

Y-Pipes

HJS-No.	Outside-Ø	Pipe distance	Total length
90 60 5150	1 x 50 mm / 2 x 50 mm	100 mm	240 mm
90 60 5251	1 x 55 mm / 2 x 50 mm	70 mm	200 mm
90 60 5352	1 x 60 mm / 2 x 55 mm	105 mm	240 mm
90 60 5354	1 x 60 mm / 2 x 60 mm	105 mm	240 mm
90 60 5553	1 x 70 mm / 2 x 60 mm	105 mm	240 mm
90 60 5755	1 x 76 mm / 2 x 60 mm	105 mm	240 mm

Universal competition exhaust parts

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Compensators / Connection adaptors

HJS-No.	Inside-Ø	Total length
90 60 4915	45 mm	155 mm
90 60 5015	48 mm	155 mm
90 60 5115	50 mm	155 mm
90 60 5215	55 mm	155 mm
90 60 5315	60 mm	155 mm
90 60 5515	70 mm	155 mm
90 60 5715	76 mm	155 mm

Connection adaptors

HJS-No.	Description	Inside-Ø	Length
90 60 3113	mit λ Anschluss	45 mm	75 mm
90 60 3114	-	45 mm	75 mm
90 60 3115	mit λ Anschluss	50 mm	75 mm
90 60 3116	-	50 mm	75 mm
90 60 3118	mit λ Anschluss	55 mm	75 mm
90 60 3119	-	55 mm	75 mm
90 60 3120	mit λ Anschluss	60 mm	75 mm
90 60 3121	-	60 mm	75 mm
90 60 3123	mit λ Anschluss	70 mm	75 mm
90 60 3124	-	70 mm	75 mm
90 60 3125	mit λ Anschluss	76 mm	75 mm
90 60 3126	-	76 mm	75 mm

Packing ring / Packing ring for Connection adaptors, Steel

HJS-No.	Ø
83 11 2088	45/50 mm
83 11 1392	55/60 mm
90 60 3138	70/76 mm

Three-hole flanges, Steel

HJS-No.	Ø	Bolt Circle	Bore
90 60 3107	50 mm	76 mm	9 mm
90 60 3109	60 mm	91 mm	9 mm
90 60 3110	80 mm	116 mm	11 mm

Competition Boxes, Absorption principle

HJS-No.	Pipe-Ø	Box dimension Ø x l / h x w x l	Total length
90 60 6135	50 mm	100 x 400 mm	650 mm
90 60 6140	50 mm	125 x 400 mm	650 mm
90 60 6245	55 mm	125 x 450 mm	700 mm
90 60 6335*	60 mm	110 x 350 mm	450 mm
90 60 6345	60 mm	125 x 450 mm	700 mm
90 60 6343*	60 mm	150 x 430 mm	650 mm
90 60 6545*	70 mm	125 x 450 mm	650 mm
90 60 6740*	76 mm	125 x 400 mm	600 mm
90 60 6745	55 mm	150 x 225 x 450 mm	700 mm
90 60 6845	60 mm	150 x 225 x 450 mm	700 mm
90 60 6899*	60 mm	120 x 180 x 340 mm	450 mm

*Stainless steel

Silencer Insulation wool (fibreglass insulator)[2]

HJS-No.	Filling
83 00 0090	250 g
83 00 0091	400 g
83 00 0092	500 g

[2] For extremely temperature-stressed exhaust systems and for direct/refilling of the silencer.
Product advantages: excellent temperature resistance · high durability · excellent sound absorption · premium quality · Motorsport proven!

Safety note: **Mechanical irritation (itching)**
Contact with flying dust and fibres (inhalation)

Perforated hose · Stainless Steel

HJS-No.	Outside-Ø	Total length
91 51 1000	32 mm	1.000 mm
91 51 1001	35 mm	1.000 mm
91 51 1002	38 mm	1.000 mm
91 51 1003	42 mm	1.000 mm
91 51 1004	45 mm	1.000 mm
91 51 1005	50 mm	1.000 mm
91 51 1006	57 mm	1.000 mm
91 51 1007	60 mm	1.000 mm
91 51 1008	63 mm	1.000 mm
91 51 1009	76 mm	1.000 mm

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V-Band Clamp with couplings / Connectors

HJS-No.	Inside-Ø (A)	Outside-Ø (B)	Ø (C)	Width
90 60 5196	50,5 mm	55,5 mm	69,5 mm	40,0 mm
90 60 5296	55,5 mm	61,5 mm	76,0 mm	40,0 mm
90 60 5396	60,5 mm	64,5 mm	84,5 mm	40,0 mm
90 60 5496	65,5 mm	71,5 mm	95,0 mm	40,0 mm
90 60 5596	70,1 mm	76,5 mm	95,0 mm	40,0 mm
90 60 5796	76,5 mm	80,5 mm	95,0 mm	40,0 mm

V-Band Clamp with quick fastener

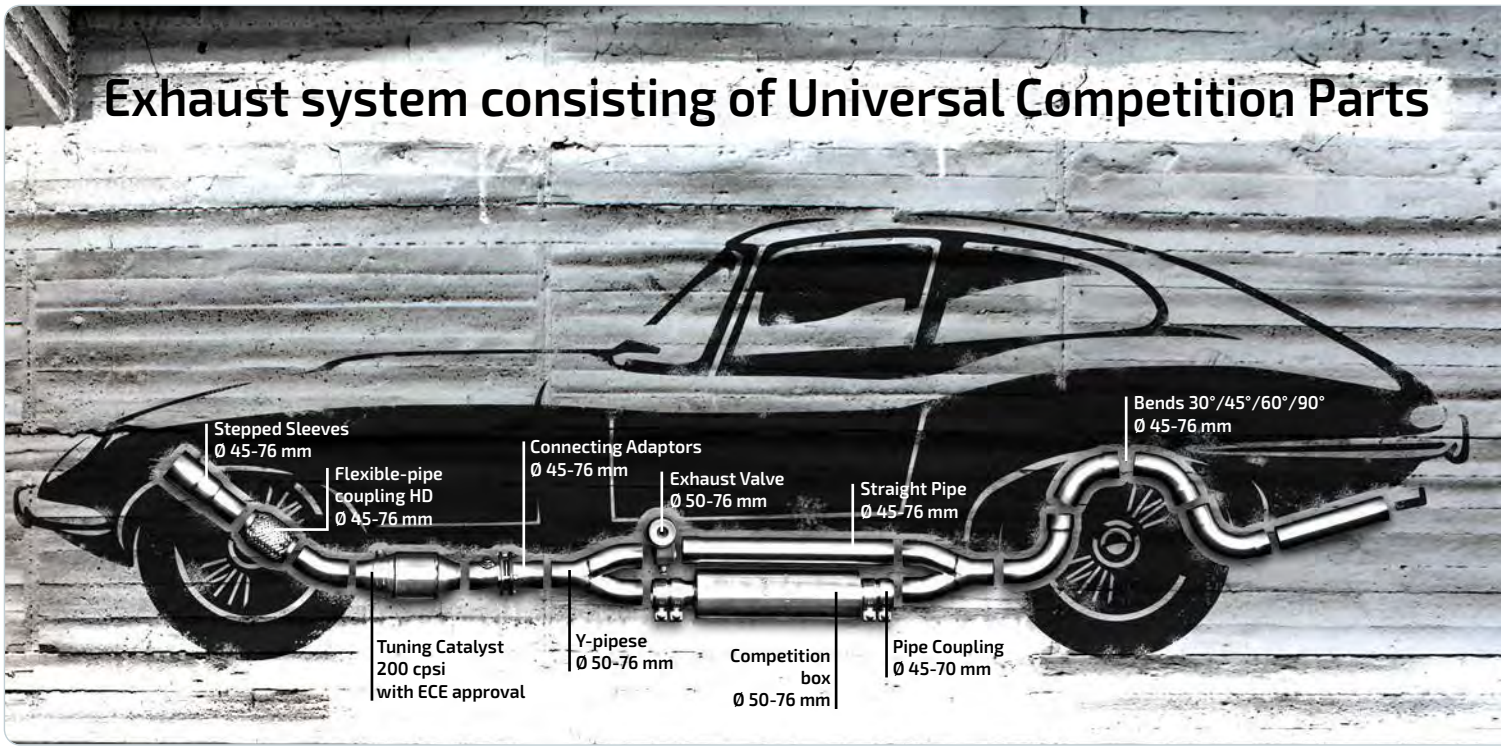
HJS-No.	Pipe-Ø	Description
90 60 5195	50 mm	suitable for V-Band connector
90 60 5295	55 mm	suitable for V-Band connector
90 60 5395	60 mm	suitable for V-Band connector
90 60 5495	65 - 76 mm	suitable for V-Band connector

Gasket for V-Band Clamps

HJS-No.	Description
90 60 5497	suitable for V-Band clamp Ø 60 / 65 mm
90 60 5797	suitable for V-Band clamp Ø 70 / 76 mm

Stainless steel band clamp (30 mm extra width)

HJS-No.	Inside-Ø
90 60 5091	45.0 mm
90 60 5199	51.5 mm
90 60 5198	54.0 mm
90 60 5297	58.0 mm
90 60 5398	63.0 mm
90 60 5597	70.0 mm
90 60 5599	73.0 mm
90 60 7097	79.0 mm



example for application

Universal competition exhaust parts

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A 0.5 mm thick aluminum blank is used as support material and guarantees the necessary stability for the mounting on the vehicle floor.

A 2.0 mm thick ceramics fleece material is used as a heat shield, which is heat resistance up to 1.000° C.

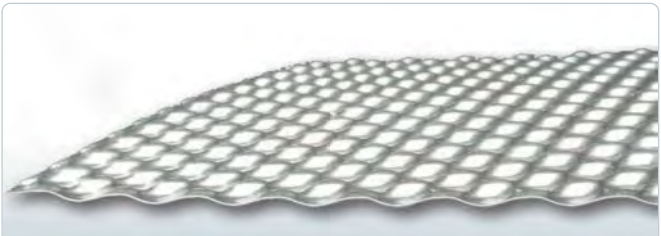
Heat shields, heat resistance up to 1.000° C

HJS-No.	Thickness	W x L
90 60 3150	2,5 mm	330 x 330 mm
90 60 3151	2,5 mm	330 x 500 mm
90 60 3152	2,5 mm	330 x 660 mm

Stainless Steel Heat Shield with Insulation[1]

HJS-No.	Description	Thickness	W x L
83 00 0020	Güte: 1.4828; formbar	0,1 mm / 5 mm	250 x 500 mm
83 00 0025	Güte: 1.4828; formbar	0,1 mm / 5 mm	500 x 500 mm
83 00 0027	Güte: 1.4828; formbar	0,1 mm / 5 mm	1000 x 1000 mm

[1]Protection for insulation material on exhaust pipes, catalytic converters, turbo chargers and silencers
Including 5 mm thick insulation material, heat resistant up to 1000°C
Self adhesive (single side), also for universal applications



Stainless Steel Heat Shield without Insulation[2]

HJS-No.	Description	Thickness	W x L
83 00 0015	Güte: 1.4828; formbar	0,1 mm	250 x 500 mm
83 00 0035	Güte: 1.4828; formbar	0,1 mm	500 x 500 mm
83 00 0030	Güte: 1.4828; formbar	0,1 mm	500 x 1000 mm
83 00 0040	Güte: 1.4828; formbar	0,1 mm	1000 x 1000 mm

[2]Protection for insulation material on exhaust pipes, catalytic converters, turbo chargers and silencers
also for universal applications

Locking spring & Bracket

HJS-No.	Description	Ø x L
90 60 0512	Stainless steel Spring	8 x 80 mm
90 60 0515	Bracket	Stainless steel

Heat protection fabric tapes (15 m rolls) & stainless steel cable tie

HJS-No.	Description	Figure
90 60 0110	50 x 1.5 mm / heat resistance up to 800 °C	①
90 60 0120	48 x 1.2 mm / white / heat resistance up to 1.000° C	②
90 60 0130	50 x 2.0 mm / black / heat resistance up to 1.100° C	③
90 60 0121	Stainless steel cable tie / 5 x 350 mm	④

Heat protection hose with hook and loop fastener

HJS-No.	Description	
90 60 0131	78 x 2200 mm	heat protection hose
90 60 0132	127 x 1000 mm	heat protection hose
90 60 0133	191 x 1000 mm	heat protection hose
90 60 0134	252 x 1000 mm	heat protection hose

Insulation, loose · Insulation material 5 mm

HJS-No.	Description	Thickness	W x L
NEW 83 00 0043	Insulation, loose	5 mm	500 x 250 mm
83 00 0045	Insulation, loose	5 mm	500 x 500 mm
83 00 0047	Insulation, loose	5 mm	1000 x 1000 mm

Straight Holder, Stainless Steel

HJS-No.	Ø	Length
90 60 0026	10 mm	220 mm
90 60 0027	10 mm	250 mm

Universal competition exhaust parts

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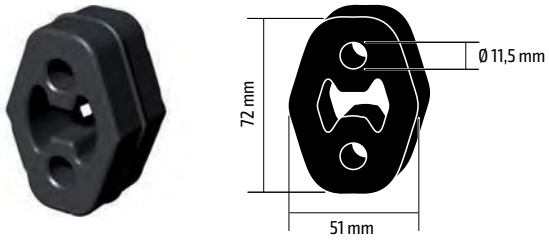
Sensor plug and rings

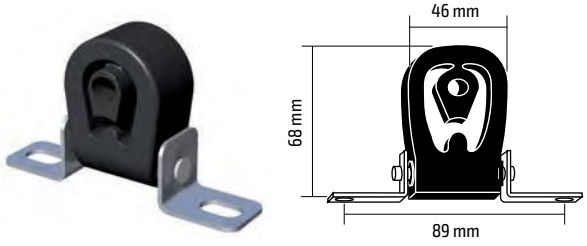
HJS-No.	Description	Screw Thread	Fig.
90 60 0023*	Screwed Sealing Plug	M 14 x 1,5	①
90 60 0619*	CO-Sensor Threaded Ring	M 14 x 1,5	②
93 02 4806*	Temperatur PT - Threaded Ring	M 14 x 1,5	③
83 00 0244	λ - Sensor Screwed Sealing Plug	M 18 x 1,5	④
90 60 9724*	λ - Sensor Threaded Ring with Bevel	M 18 x 1,5	⑤
90 60 7690*	λ - Sensor Threaded Ring, Straight	M 18 x 1,5	⑥
90 60 9725*	λ - Sensor Threaded Ring, 45° Angle	M 18 x 1,5	⑦
83 00 0001*	NO_X - Sensor Screwed Sealing Pluge	M 20 x 1,5 - 6H	⑧
90 60 4553*	NO_X - Sensor Threaded Ring	M 20 x 1,5 - 6H	⑨

*Stainless Steel



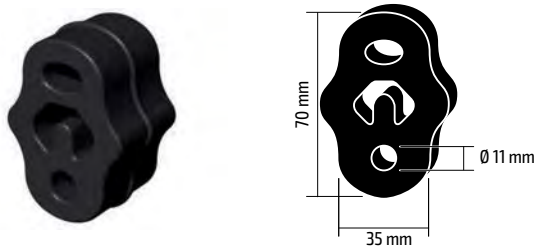
Rubber Pad

HJS-No.	Rubber Thickness
90 60 1900	34 mm



Rubber-metal element

HJS-No.	Rubber Thickness
90 60 1960	34 mm



Rubber Pad HD

HJS-No.	Rubber Thickness
90 60 7112	38 mm

Table of contents

Assortment DPF® / Catalysts repair connectors, large

HJS-No.	Description
92 10 2004	Assortment case with the following content:

Quantity	Description
1	Hole saw adapter incl. drill Ø 6,3 mm
1	Hole saw Ø 25 mm
2	λ-Sensor plug M18 x 1,5; incl. seal ring for λ-Sensor plug
3	λ-Sensor threaded ring, straight M18 x 1,5
2	λ-Sensor threaded ring with bevel M18 x 1,5
1	Pressure line straight Ø 8 mm, 100 mm length
2	Pressure line 90° angled, Ø 8 mm, 74 mm length; incl. 2x clamp
2	Repair connector with weld-on base for tubes Ø 55 - 75 mm, M14 x 1,5
4	Repair connector Ø 28 mm with internal thread M14 x 1,5
4	Repair connector M14 x 1,5 for type F flar
1	Welding protection screw M14 x 1,5
5	Repair connector Ø 21 mm with internal thread M14 x 1,5
4	Retaining screw M14 x 1,5
2	Welding protection cap M14 x 1,5
4	Retaining nut M14 x 1,5
3	DPF® repair connector M12 x 1,25, Outside-Ø 20 mm
3	DPF® repair connector M12 x 1,25, Outside-Ø 28 mm
3	Repair connector Ø 24 mm with internal thread M16 x 1,5 for DPF® pressure line with flat flare
3	Repair connector Ø 28 mm with internal thread M16 x 1,5 for DPF® pressure line with type F flare
3	Repair connector Ø 21 mm with internal thread M16 x 1,5 for DPF® pressure line with type F flare
2	NO_X sensor repair connector with bevel M20 x 1,5
3	Repair connector M14 x 1,5 for flat flare
3	Repair connector M14 x 1,5 for pipe Ø 8 mm with sealing ring
1	Protection screw M16 x 1,5 x 20
1	NO_X sensor plug M20 x 1,5 - 6H

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