



Diesel Particulate Filters

Delivery Program 2010 ***Motorsport & Tuning***



Exhaust-Systems



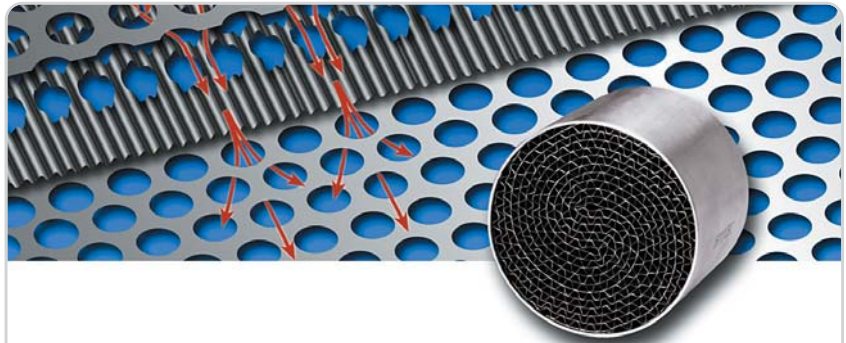
Catalysts

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.

New generation of HJS motorsport catalysts with FIA homologation:

The new generation of HJS high performance 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 we can guarantee the same durability in relation to our so far offered products.



PE Foil – less weight and less backpressure

		HJS part-No. 90 95 0932 FIA 0903-50 Up to 1300 ccm (above 2500*ccm) Weight: 3.5 kg
		HJS part-No. 90 95 1544 FIA 1054-60/55 Up to 2000 ccm Weight: 4.5 kg
		HJS part-No. 90 95 1546 FIA 1054-70 Up to 2000 ccm Weight: 5.0 kg
		HJS part-No. 90 95 1566 FIA 1056-70 Up to 2500 ccm Weight: 6.5 kg
		HJS part-No. 90 95 0019 FIA ST 9074/10 PE WTCC, S2000, WRC* Up to 1600 / 2000* ccm Weight: 1.0 kg
		HJS part-No. 90 95 0020 FIA ST 9074/10 PE WTCC, S2000, WRC* Up to 1400 / 2000* ccm Weight: 1.0 kg
		HJS part-No. 90 95 0578 FIA F3 1012-10 PE Formula 3 Up to 2000 ccm Weight: 1.6 kg
		HJS part-No. 90 95 0058 FIA WRC 1112/10 PE WRC, Kit Car, Gr. N/A Up to 2000 ccm Weight: 1.8 kg

Size in mm

* Two catalytic converters to be mounted parallel

		<p>HJS part-No. 90 95 0054</p> <p>FIA WRC 1112/10 PE WRC, Kit Car, Gr. N/A Up to 2000 ccm Weight: 1.6 kg</p>
		<p>HJS part-No. 90 95 0053</p> <p>FIA S2 1210/10 PE S2000, WRC Up to 2000 ccm Weight: 1.5 kg</p>
		<p>HJS part-No. 90 95 0046</p> <p>FIA WRC 1279/10 PE WRC, Kit Car, Gr. N/A Up to 2000 ccm + turbo Weight: 2.0 kg</p>
		<p>HJS part-No. 90 95 0045</p> <p>FIA WRC 1279/10 PE WRC, Kit Car, Gr. N/A Up to 2000 ccm + turbo Weight: 2.0 kg</p>
		<p>HJS part-No. 90 95 0050</p> <p>FIA GT 1407/10 PE GT, WRC, Kit Car, Gr. N/A Up to 4000 ccm Weight: 3.1 kg</p>

Size in mm

HJS Cup series 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 catalyst WRC 1112-10 is the right choice for all cars up to 2000 ccm/ 240hp, the catalyst WRC 1279-10 for all cars up to 3000 ccm/300hp.

The Cup catalyst is based on the well known HJS product line of motor sport catalysts that guarantees best quality and durability for years.



		<p>HJS part-No. 90 95 0057 Cup</p> <p>FIA WRC 1112-10 Up to 2000 ccm Weight: 2.2 kg</p>
		<p>HJS part-No. 90 95 0055 Cup</p> <p>FIA WRC 1112-10 Up to 2000 ccm Weight: 2.1 kg</p>
		<p>HJS part-No. 90 95 0044 Cup</p> <p>FIA WRC 1279-10 Up to 3000 ccm Weight: 2.9 kg</p>

Size in mm

Motorsport Exhaust Systems



HJS has developed an exhaust system for Mitsubishi EVO VII up to X and Subaru N15 including FIA homologated WRC catalytic converters. The exhaust system is made of stainless steel. We also offer an optimized front pipe for the Mitsubishi VII / VIII / IX / X.



The Mitsubishi EVO X in action.



Exhaust Systems

HJS-No.	Car	Exhaust-System	Catalytic-Converter
90 60 0308	Mitsubishi EVO VII / VIII / IX	Front Pipe Gr. N	-
90 60 0310	Mitsubishi EVO X	Front Pipe Gr. N	-
90 60 0318	Mitsubishi EVO VII / VIII / IX	Front Pipe Gr. A	-
90 60 0320	Mitsubishi EVO X	Front Pipe Gr. A	-
90 95 0308	Mitsubishi EVO VII / VIII / IX	Exhaust System Gr.N	WRC 1279/10 PE
90 95 0310	Mitsubishi EVO X	Exhaust System Gr. N	WRC 1279/10 PE
90 95 0320	Mitsubishi EVO X	Exhaust System Gr. A	WRC 1279/10 PE
90 95 0400	Subaru Impreza WRX STI N15	Exhaust System Gr. N	WRC 1279-10 PE left
90 95 0410	Subaru Impreza WRX STI N15	Exhaust System Gr. N	WRC 1279-10 PE right

Motorsport Catalyst Muffler System

The new 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 catalyst effects a clear weight reduction. The exchangeable catalyst unit guarantees a cost-effective replacement. The system is certified for all vehicles up to 2.000 ccm capacity.



Catalyst Muffler System

HJS-No.	Diameter x Length	Pipe Diameter	FIA Homologation
90 95 0600	142 x 470 mm	60 / 63,5 mm	WRC 1112/10 PE
90 95 0610	142 x 470 mm	70 / 76 mm	WRC 1112/10 PE
90 95 0601	spare part catalyst	60 / 63,5 mm	WRC 1112/10 PE

Diesel Particulate Filter for Motorsport

In its exhaust regulations 2004, the German Motorsport-bund (DMSB) regulates for diesel powered vehicles the usage of a particulate filter. HJS developed a **high-performance particulate filter** for diesel powered vehicles in the context of the Alfa 147 Cup. This particulate filter meets all essential Motorsport requirements. For up to date Race-Trucks of the FIA European Truck Racing Championship, HJS also offers diesel particulate filters.



The Skoda Fabia 100% soot-free in competition.



Diesel Particulate Filter

HJS-No.	Homologation	Vehicle Classification
90 95 2501	MS DPF 1.8/0.87	up to 2000 ccm / 210 PS front-wheel drive
90 95 2502	MS DPF 2.4/1.3	up to 2000 ccm / 280 PS front-wheel drive
90 95 2503	MS DPF 2.5/1.3	up to 3000 ccm / 300 PS rear-wheel drive
90 95 2504	MS DPF 1.7/0.87	BMW 120 D exhaust-system Gr. N complet
90 95 2505	MS DPF 1.7/0.87	up to 2000 ccm / 210 PS rear-wheel drive
90 95 0420	MS DPF 1.7/0.87	Subaru Impreza Boxer Diesel
94 64 0006	Race-Trucks	Version 2008
94 60 0253	Additiv F 51	1 liter

OBD II compliant – Tested for Euro 3 / Euro 4 engines

More power, less backpressure: HJS has developed a new generation of tuning catalysts on the base of motorsport catalysts. With a 200cpsi matrix we can guaranty the best results, you will have more power, less backpressure and no problem with the MOT or OBD control. All HJS Tuning Catalysts based on the experience we have made with our motorsport customers in the last 10 years. HJS is the leading manufacturer of motorsport and tuning catalysts in Europe.



		<p>HJS part-No. 90 95 0097</p> <p>Function OBD II Euro 3 / Euro 4 Pre Cat Main cat up to 1600 ccm Weight: 1.8 kg</p>
		<p>HJS part-No. 90 95 0099</p> <p>Function OBD II Euro 3 / Euro 4 Pre Cat Main cat up to 1600 ccm Weight: 1.1 kg</p>
		<p>HJS part-No. 90 95 0079</p> <p>Function OBD II Euro 3 / Euro 4 Pre Cat Main cat up to 1800 ccm Weight: 1.3 kg</p>
		<p>HJS part-No. 90 95 0040</p> <p>Function OBD II Euro 3 / Euro 4 Pre Cat Main cat up to 2000 ccm Weight: 2.2 kg</p>
		<p>HJS part-No. 90 95 0092</p> <p>Function OBD II, Euro 3 / Euro 4 Main cat up to 2600 ccm Weight: 2.3 kg</p>
		<p>HJS part-No. 90 95 0072</p> <p>Function OBD I, Euro 1 / Euro 2 Main cat up to 2600 ccm Weight: 1.7 kg</p>



Size in mm

OBD II compliant – Tested for Euro 3 / Euro 4 engines

		<p>HJS part-No. 90 95 0080</p> <p>Function OBD II, Euro 3 / Euro 4 Main cat up to 3500 ccm Weight: 2.3 kg</p>
		<p>HJS part-No. 90 95 0085 NEW</p> <p>Function OBD II, Euro 3 / Euro 4 Main cat up to 3500 ccm Weight: 2.8 kg</p>
		<p>HJS part-No. 90 95 0070</p> <p>Function OBD II, Euro 3 / Euro 4 Main cat up to 5000 ccm Weight: 2.3 kg</p>
		<p>HJS part-No. 90 95 0088 NEW</p> <p>Function OBD II, Euro 3 / Euro 4 Main cat up to 2600 ccm Weight: 2.9 kg</p>

Size in mm

Tuning Catalyst with German homologation (TÜV)

HJS No.	Manufacture	Typ	Ltr./kw	Motorcode	Information
90 95 1400	Opel Vectra	2000 16V	2.0/110	C20XE	Euro 1 to Euro 2
90 95 1400	Calibra	2.0 16V	2.0/110	C20XE	Euro 1 to Euro 2
90 95 1401	Kadett E	2.0 16V	2.0/110	C20XE	Euro 1 to Euro 2
90 95 1401	Astra	2.0 16V	2.0/110	C20XE	Euro 1 to Euro 2
90 95 0094	Calibra Turbo	2.0	2.0/150	C20LET	
	Honda				
90 95 1547	Civic	Typ R	2.0/147		Euro 3
	VW				
90 95 1100	Golf V, Scirocco, EOS		2.0/147	AXX / BWA	Euro 4
	Audi				
90 95 1100	A3, S3, TT / TT Roadster		2.0/147	AXX/BWA	Euro 4
	Seat				
90 95 1100	Leon, Altea		2.0/147	BWA	Euro 4
	Skoda				
90 95 1100	Octavia/Combi		2.0/147	BWA	Euro 4

Tuning Catalyst, boldt on

HJS No.	Manufacture	Typ	Ltr./kw	Information
	Mitsubishi			
90 84 4908	Lancer	Evo VIII / IX	2.0	boldt on
90 84 4910	Lancer	Evo X	2.0	boldt on

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 program, 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.



Universal Competition Pipes and Bends, stainless steel

HJS-No.	Description	Length / Ø / Wall Thickness
90 60 4900	straight pipe	1000 x 45 x 1,5 mm
90 60 4930	30° degree bend	125 x 45 x 1,5 mm
90 60 4945	45° degree bend	135 x 45 x 1,5 mm
90 60 4960	60° degree bend	160 x 45 x 1,5 mm
90 60 4990	90° degree bend	220 x 45 x 1,5 mm
90 60 5000	straight pipe	1000 x 48 x 1,5 mm
90 60 5030	30° degree bend	125 x 48 x 1,5 mm
90 60 5045	45° degree bend	135 x 48 x 1,5 mm
90 60 5060	60° degree bend	160 x 48 x 1,5 mm
90 60 5090	90° degree bend	220 x 48 x 1,5 mm
90 60 5100	straight pipe	1000 x 50 x 1,5 mm
90 60 5130	30° degree bend	120 x 50 x 1,5 mm
90 60 5145	45° degree bend	140 x 50 x 1,5 mm
90 60 5160	60° degree bend	140 x 50 x 1,5 mm
90 60 5190	90° degree bend	220 x 50 x 1,5 mm
90 60 5200	straight pipe	1000 x 55 x 1,5 mm
90 60 5230	30° degree bend	120 x 55 x 1,5 mm
90 60 5245	45° degree bend	160 x 55 x 1,5 mm
90 60 5260	60° degree bend	165 x 55 x 1,5 mm
90 60 5290	90° degree bend	220 x 55 x 1,5 mm
90 60 5300	straight pipe	1000 x 60 x 1,5 mm
90 60 5330	30° degree bend	120 x 60 x 1,5 mm
90 60 5345	45° degree bend	145 x 60 x 1,5 mm
90 60 5360	60° degree bend	160 x 60 x 1,5 mm
90 60 5390	90° degree bend	220 x 60 x 1,5 mm
90 60 5400	straight pipe	1000 x 65 x 1,2 mm
90 60 5430	30° degree bend	120 x 65 x 1,2 mm
90 60 5445	45° degree bend	145 x 65 x 1,2 mm
90 60 5460	60° degree bend	190 x 65 x 1,2 mm
90 60 5490	90° degree bend	220 x 65 x 1,2 mm
90 60 5500	straight pipe	1000 x 70 x 1,5 mm
90 60 5530	30° degree bend	120 x 70 x 1,5 mm
90 60 5545	45° degree bend	145 x 70 x 1,5 mm
90 60 5560	60° degree bend	190 x 70 x 1,5 mm
90 60 5590	90° degree bend	240 x 70 x 1,5 mm
90 60 5700	straight pipe	1000 x 76,1 x 1,5 mm
90 60 5730	30° degree bend	130 x 76 x 1,5 mm
90 60 5745	45° degree bend	150 x 76 x 1,5 mm
90 60 5760	60° degree bend	190 x 76 x 1,5 mm
90 60 5790	90° degree bend	250 x 76 x 1,5 mm



Competition Boxes

HJS-No.	Description	Tube Ø	Ø x L / H x W x L
90 60 6135	silencer round	50 mm	100 x 400 mm
90 60 6140	silencer round	50 mm	125 x 400 mm
90 60 6245	silencer round	55 mm	125 x 450 mm
90 60 6335	silencer round-stainless steel	60 mm	110 x 350 mm
90 60 6345	silencer round	60 mm	125 x 450 mm
90 60 6343	silencer round-stainless steel	60 mm	150 x 430 mm
90 60 6545	silencer round-stainless steel	70 mm	125 x 450 mm
90 60 6740	silencer round-stainless steel	76 mm	125 x 400 mm
90 60 6745	silencer oval	55 mm	150 x 225 x 450 mm
90 60 6845	silencer oval	60 mm	150 x 225 x 450 mm
90 60 6899	silencer oval-stainless steel	60 mm	120 x 160 x 350 mm



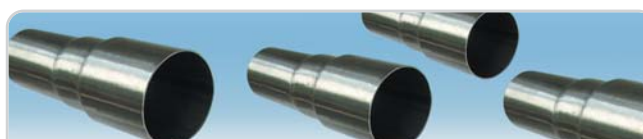
Universal Competition Exhaust Parts

HJS-No.	Description	Ø / W x L
90 60 3107	three-hole flange	50 mm
90 60 3109	three-hole flange	60 mm
90 60 3110	three-hole flange	80 mm
90 60 3113	connection adaptor with λ plug	45 mm
90 60 3114	connection adaptor	45 mm
90 60 3115	connection adaptor with λ plug	50 mm
90 60 3116	connection adaptor	50 mm
90 60 3118	connection adaptor with λ plug	55 mm
90 60 3119	connection adaptor	55 mm
90 60 3120	connection adaptor with λ plug	60 mm
90 60 3121	connection adaptor	60 mm
90 60 3123	connection adaptor with λ plug	70 mm
90 60 3124	connection adaptor	70 mm
90 60 3125	connection adaptor with λ plug	80 mm
90 60 3126	connection adaptor	80 mm
83 11 2088	packing ring	45/50 mm
83 11 1392	packing ring	55/60 mm
90 60 3138	packing ring	70/80 mm
90 60 3150	thermal protection shield	330 x 330 mm
90 60 3151	thermal protection shield	330 x 500 mm
90 60 3152	thermal protection shield	330 x 660 mm
83 00 0244	λ-boss-plug	M18 x 1,5
90 60 9724	λ-boss	M18 x 1,5
90 60 0512	locking spring, stainless steel	80 x 8 mm
90 60 0026	straight holder, stainless steel	10 x 220 mm
90 60 0027	straight holder, stainless steel	10 x 250 mm
90 60 7112	rubber mounting heavy duty - red	-



Compensator / Connection Adaptor, stainless steel

HJS-No.	Description	Ø
90 60 4915	compensator / connection adaptor	45 mm
90 60 5015	compensator / connection adaptor	48 mm
90 60 5115	compensator / connection adaptor	50 mm
90 60 5215	compensator / connection adaptor	55 mm
90 60 5315	compensator / connection adaptor	60 mm
90 60 5515	compensator / connection adaptor	70 mm
90 60 5715	compensator / connection adaptor	76 mm



Stepped Sleeves, stainless steel

HJS-No.	Description	Length	Steps Ø
90 60 5020	stepped sleeve	170 mm	45 48 50 mm
90 60 5120	stepped sleeve	170 mm	48 50 55 mm
90 60 5220	stepped sleeve	170 mm	50 55 60 mm
90 60 5320	stepped sleeve	170 mm	55 60 70 mm
90 60 5520	stepped sleeve	170 mm	60 70 76 mm



Pipe-Coupling, 3-thick walled, Heavy Duty

HJS-No.	Description	Length	Ø
90 60 4910	flexible tube, gas-tight	100 mm	45 mm
90 60 5110	flexible tube, gas-tight	100 mm	50 mm
90 60 5210	flexible tube, gas-tight	105 mm	55 mm
90 60 5310	flexible tube, gas-tight	120 mm	60 mm
90 60 5510	flexible tube, gas-tight	150 mm	70 mm
90 60 5710	flexible tube, gas-tight	150 mm	76 mm



Y-Pipes, stainless steel

HJS-No.	Description	Total Length	Pipe Distance
90 60 5150	Y-pipe, 1 x 50 mm / 2 x 50 mm	200 mm	70 mm
90 60 5251	Y-pipe, 1 x 55 mm / 2 x 50 mm	200 mm	70 mm
90 60 5352	Y-pipe, 1 x 60 mm / 2 x 55 mm	200 mm	75 mm
90 60 5354	Y-pipe, 1 x 60 mm / 2 x 60 mm	200 mm	80 mm
90 60 5553	Y-pipe, 1 x 70 mm / 2 x 60 mm	200 mm	80 mm
90 60 5755	Y-pipe, 1 x 76 mm / 2 x 60 mm	200 mm	80 mm

NEW



Pipe Connector

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

NEW



Clamp VW/Audi

HJS-No.	Description	PU	Ø
83 11 8908	clamp	10	45,5 mm
83 11 8904	clamp	10	48,5 mm
83 11 8914	clamp	10	50,5 mm
83 11 8909	clamp	10	55,5 mm
83 11 8917	clamp	10	60,5 mm
83 11 8918	clamp	10	64,5 mm

NEW



Chrometip „Clip on“

HJS-No.	Description	Ø
81 01 9254	Chrometip „Clip on“	45,0 - 49,5 mm
81 01 9261	Chrometip „Clip on“	50,0 - 54,5 mm
81 01 9266	Chrometip „Clip on“	55,0 - 61,5 mm

NEW



U-clamp

HJS-No.	Description	PU	Ø
83 00 8645	U-clamp	10	45 mm
83 00 8648	U-clamp	10	48 mm
83 00 8650	U-clamp	10	50 mm
83 00 8658	U-clamp	10	58 mm
83 00 8660	U-clamp	10	60 mm
83 00 8665	U-clamp	10	65 mm
83 00 8670	U-clamp	10	70 mm

www.hjs-motorsport.com

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- HJS Motorsport – supply sources

