



TUNING



Delivery Programme 2011

Catalysts

Universal Competition Exhaust Parts



HJS Tuning Catalysts

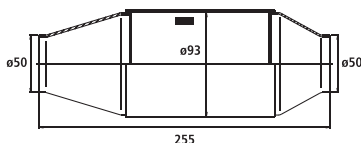
EOBD compliant – Tested for Euro 3 / Euro 4 / Euro 5 engines

More power, less backpressure!

HJS has developed a new generation of tuning catalysts on the base of motorsport catalysts. With a **200 cpsi** matrix we can guaranty the best results, you will have more power, less backpressure and no problem with the MOT or EOBD control. The HJS cones provide the best possible exhaust flow performance through the catalysts. All HJS Tuning Catalysts based on the experience we have made with our motorsport customers in the last 20 years. HJS is the leading manufacturer of motorsport and tuning catalysts in Europe.

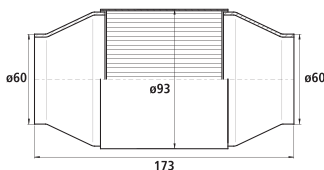


Tuning catalysts, universal



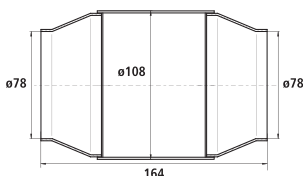
HJS-No. 90 95 0097

Function EOBD Euro 3 / Euro 4
Pre Cat
Main Cat
up to 180 hp / up to 1600 ccm
Weight: 1.8 kg



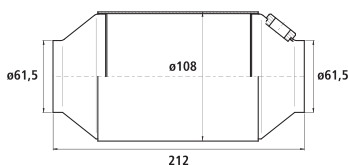
HJS-No. 90 95 0099

Function EOBD Euro 3 / Euro 4
Pre Cat
Main Cat
up to 180 hp / up to 1600 ccm
Weight: 1.1 kg



HJS-No. 90 95 0079

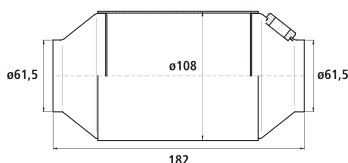
Function EOBD Euro 3 / Euro 4
Pre Cat
Main Cat
up to 240 hp / up to 1800 ccm
Weight: 1.3 kg



HJS-No. 90 95 0040

Function EOBD Euro 3 / Euro 4
Pre Cat
Main Cat
up to 240 hp / up to 2000 ccm
Weight: 2.2 kg

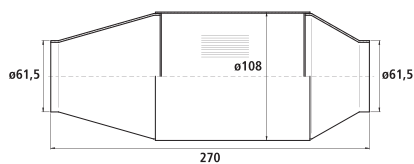
NEW



HD HJS-No. 90 95 0140

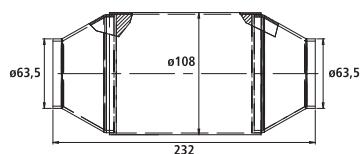
Function EOBD Euro 3 / 4 / 5
Pre Cat
Main Cat
up to 240 hp / up to 2000 ccm
Weight: 2.2 kg

Size in mm



HJS-No. 90 95 0092

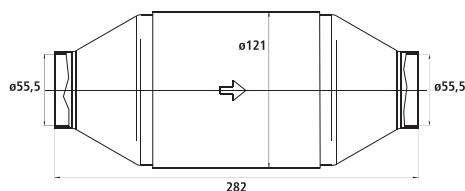
Function EOBD, Euro 3 / Euro 4
Main Cat
up to 240 hp / up to 2600 ccm
Weight: 2.3 kg



HJS-No. 90 95 0072

Function OBD I, Euro 1 / Euro 2
Main Cat
up to 240 hp / up to 2600 ccm
Weight: 1.7 kg

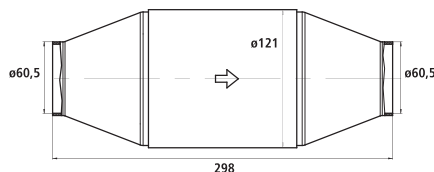
NEW



HJS-No. 90 95 0160

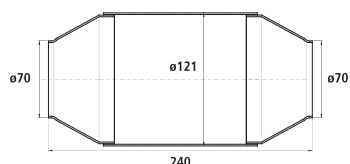
Function EOBD, Euro 3 / Euro 4
Main Cat
up to 280 hp / up to 3500 ccm
Weight: 2.2 kg

NEW



HJS-No. 90 95 0161

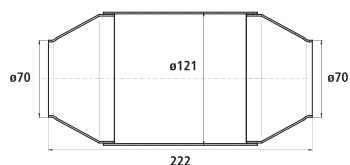
Function EOBD, Euro 3 / Euro 4
Main Cat
up to 280 hp / up to 3500 ccm
Weight: 2.3 kg



HJS-No. 90 95 0080

Function EOBD, Euro 3 / Euro 4
Main Cat
up to 280 hp / up to 3500 ccm
Weight: 2.3 kg

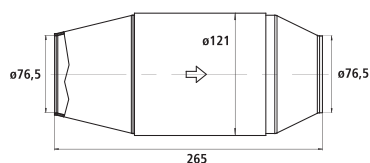
NEW



HD HJS-No. 90 95 0164

Function EOBD, Euro 3 / 4 / 5
Main Cat
up to 280 hp / up to 3500 ccm
Weight: 2.3 kg

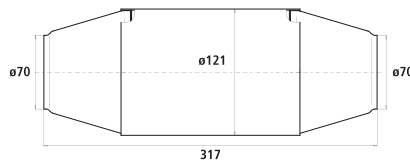
NEW



HJS-No. 90 95 0173

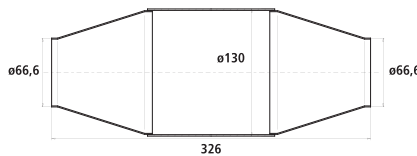
Function EOBD, Euro 3 / Euro 4
Main Cat
up to 280 hp / up to 3500 ccm
Weight: 2.5 kg

Size in mm



HJS-No. 90 95 0085

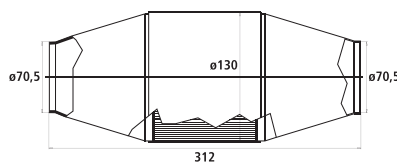
Function EOBD, Euro 3 / Euro 4
Main Cat
up to 280 hp / up to 3500 ccm
Weight: 2.8 kg



HJS-No. 90 95 0070

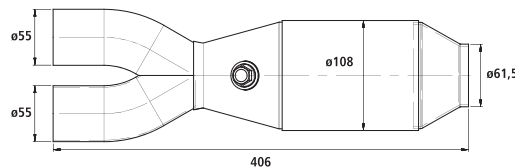
Function EOBD, Euro 3 / Euro 4
Main Cat
up to 350 hp / up to 5000 ccm
Weight: 2.3 kg

NEW



HD HJS-No. 90 95 0182

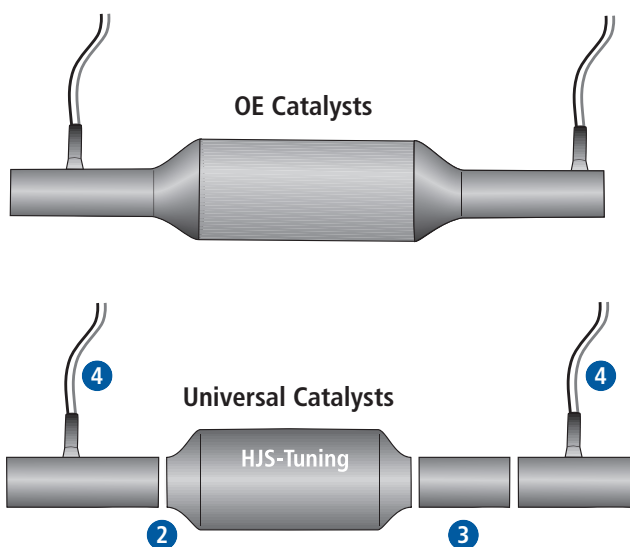
Function EOBD, Euro 3 / 4 / 5
Main Cat
up to 350 hp / up to 5000 ccm
Weight: 2.5 kg



HJS-No. 90 95 0088

Function EOBD, Euro 3 / Euro 4
Main Cat
up to 240 hp / up to 2600 ccm
Weight: 2.9 kg

Converter replacement tips for Universal Tuning Catalysts



1. It is important the correct converter for the application is used.
2. Make sure the replacement converter is installed in the same location as the OEM.
3. If the replacement unit is shorter than the OEM, try to keep the front brick as close to the OEM location as possible.
4. Install the oxygen sensor as close to the OEM location as possible.
5. Always check for leaks after repairs.

Tuning Catalysts with Homologation, boldt on

HJS-No.	Manufacture	Type	Ltr./kw	Engine type	Information
Opel					
90 81 4000	Astra A-H/C	OPC	2.0/177	Z20LEH	Euro 4
90 81 4000	Zafira B	OPC	2.0/177	Z20LEH	Euro 4

NEW



HJS-No.	Manufacture	Type	Ltr./kw	Engine type	Information
Opel					
90 81 4005	Corsa S-D	GSI	1.6/110	Z16LEL	Euro 4
90 81 4005	Corsa S-D	OPC	1.6/141	Z16LER	Euro 4

NEW



HJS-No.	Manufacture	Type	Ltr./kw	Engine type	Information
Opel					
90 95 1400	Vectra	2.0 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



HJS-No.	Manufacture	Type	Ltr./kw	Engine type	Information
Opel					
90 95 1401	Kadett E	2.0 16V	2.0/110	C20XE	Euro 1 to Euro 2
90 95 1401	Vectra	2.0 16V	2.0/110	C20XE	Euro 1 to Euro 2



HJS-No.	Manufacture	Type	Ltr./kw	Engine type	Information
Opel					
90 95 0094	Calibra Turbo	2.0	2.0/150	C20LET	Euro 1



HJS-No.	Manufacture	Type	Ltr./kw	Engine type	Information
Ford					
90 81 5000	Focus	RS/ST	2.5/224	JZDA	Euro 4

NEW



Tuning Catalysts with Homologation, to weld

HJS-No.	Manufacture	Ltr./kw	Engine type	Information
90 95 0079	VW	2.0/147	AXX/BWA	Pre Cat Euro 4
	Golf V GTI, Scirocco, EOS, Jetta, Passat/Variant			
	Audi			
	A3, S3, TT / TT Roadster			
	Seat			
	Leon, Altea			
	Skoda			
	Octavia/Combi			



HJS-No.	Manufacture	Ltr./kw	Engine type	Information
90 95 0080	VW	2.0/147	AXX/BWA	Main Cat Euro 4
	Golf V GTI, Scirocco, EOS, Jetta, Passat/Variant			
	Audi			
	A3, S3, TT / TT Roadster			
	Seat			
	Leon, Altea			
	Skoda			
	Octavia/Combi			



Tuning Catalysts, bolt-on

HJS-No.	Manufacture	Ltr./kw	Engine type	Information
	Mitsubishi			
90 84 4908	Lancer	Evo 8 + 9	2.0	bolt-on catalysts
90 84 4910	Lancer	Evo 10	2.0	bolt-on catalysts



Note:



Tuning Catalysts with TÜV Report



Tuning Catalysts with German Homologation



Tuning Catalysts with ECE Approval



HJS Universal Competition Exhaust Parts

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.



Outside-Ø 45 mm - Universal Competition Pipes and Bends			
HJS-No.	Description	Length	Wall Thickness
90 60 4900	straight pipe	1000 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	1000 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	1000 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

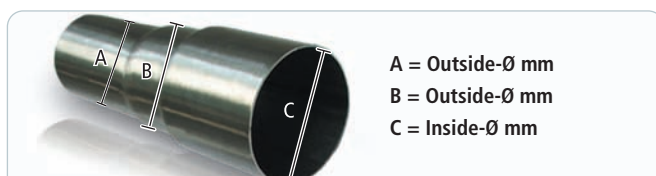
Outside-Ø 55 mm - Universal Competition Pipes and Bends			
HJS-No.	Description	Length	Wall Thickness
90 60 5200	straight pipe	1000 mm	1.5 mm
90 60 5230	30° degree bend	120 mm	1.5 mm
90 60 5245	45° degree bend	160 mm	1.5 mm
90 60 5260	60° degree bend	165 mm	1.5 mm
90 60 5290	90° degree bend	220 mm	1.5 mm

Outside-Ø 60 mm - Universal Competition Pipes and Bends			
HJS-No.	Description	Length	Wall Thickness
90 60 5300	straight pipe	1000 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

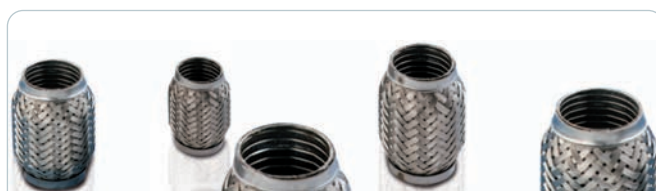
Outside-Ø 65 mm - Universal Competition Pipes and Bends			
HJS-No.	Description	Length	Wall Thickness
90 60 5400	straight pipe	1000 mm	1.2 mm
90 60 5430	30° degree bend	120 mm	1.2 mm
90 60 5445	45° degree bend	145 mm	1.2 mm
90 60 5460	60° degree bend	190 mm	1.2 mm
90 60 5490	90° degree bend	220 mm	1.2 mm

Outside-Ø 70 mm - Universal Competition Pipes and Bends			
HJS-No.	Description	Length	Wall Thickness
90 60 5500	straight pipe	1000 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	1000 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



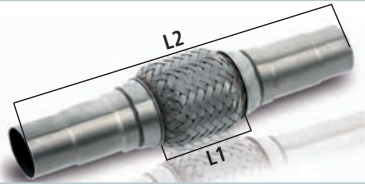
Stepped Sleeves					
HJS-No.	Description	A	B	C	Length
90 60 5020	Stepped Sleeves	45	48	50 mm	170 mm
90 60 5120	Stepped Sleeves	48	50	55 mm	170 mm
90 60 5220	Stepped Sleeves	50	55	60 mm	170 mm
90 60 5320	Stepped Sleeves	55	60	70 mm	170 mm
90 60 5520	Stepped Sleeves	60	70	76 mm	170 mm



Flexible-pipe coupling, 3-thick walled, Heavy Duty, gas-tight				
HJS-No.	Description	Inside-Ø	Outside-Ø	Length
90 60 4910	flexible tube	45 mm	70 mm	94 mm
90 60 5110	flexible tube	50 mm	75 mm	100 mm
90 60 5210	flexible tube	55 mm	80 mm	105 mm
90 60 5310	flexible tube	60 mm	90 mm	120 mm
90 60 5410	flexible tube (2-thick walled)	64 mm	86 mm	200 mm
90 60 5510	flexible tube	70 mm	95 mm	150 mm
90 60 5710	flexible tube	76 mm	101 mm	150 mm

NEW

NEW



Stepped flexible-tube, gas-tight

HJS-No.	Description	Inside-Ø	Outside-Ø	L1	L2
83 00 8560	Stepped flexible-tube	45/48/50 mm	76 mm	100 mm	400 mm
83 00 8561	Stepped flexible-tube	48/50/55 mm	85 mm	105 mm	400 mm
83 00 8562	Stepped flexible-tube	50/55/60 mm	90 mm	120 mm	400 mm
83 00 8563	Stepped flexible-tube	55/60/70 mm	95 mm	150 mm	400 mm
83 00 8564	Stepped flexible-tube	60/70/76 mm	101 mm	150 mm	400 mm



Three-hole flanges

HJS-No.	Description	Ø	bolt circle	bore
90 60 3107	Three-hole flange	50 mm	76 mm	9 mm
90 60 3109	Three-hole flange	60 mm	91 mm	9 mm
90 60 3110	Three-hole flange	80 mm	116 mm	11 mm



Y-Pipes

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



Packing ring / Packing ring for Connection adaptors

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



Compensators / Connection adaptors

HJS-No.	Description	Inside-Ø	Total Length
90 60 4915	compensator / Connection adaptor	45 mm	155 mm
90 60 5015	compensator / Connection adaptor	48 mm	155 mm
90 60 5115	compensator / Connection adaptor	50 mm	155 mm
90 60 5215	compensator / Connection adaptor	55 mm	155 mm
90 60 5315	compensator / Connection adaptor	60 mm	155 mm
90 60 5515	compensator / Connection adaptor	70 mm	155 mm
90 60 5715	compensator / Connection adaptor	76 mm	155 mm

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.	Description	Thickness	W x L
90 60 3150	Heat shield	2.5 mm	330 x 330 mm
90 60 3151	Heat shield	2.5 mm	330 x 500 mm
90 60 3152	Heat shield	2.5 mm	330 x 660 mm



Connection adaptors

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



Competition Boxes, Absorption principle

HJS-No.	Description	Tube Ø	Box dimensions Ø x l / h x w x l	Total Length
90 60 6135	silencer round	50 mm	100 x 400 mm	650 mm
90 60 6140	silencer round	50 mm	125 x 400 mm	650 mm
90 60 6245	silencer round	55 mm	125 x 450 mm	700 mm
90 60 6335	silencer round	60 mm	110 x 350 mm	450 mm
90 60 6345	silencer round	60 mm	125 x 550 mm	700 mm
90 60 6343	silencer round*	60 mm	150 x 430 mm	650 mm
90 60 6545	silencer round*	70 mm	125 x 550 mm	650 mm
90 60 6740	silencer round*	76 mm	125 x 400 mm	600 mm
90 60 6745	silencer round	55 mm	150 x 225 x 450 mm	700 mm
90 60 6845	silencer round	60 mm	150 x 225 x 450 mm	700 mm
90 60 6899	silencer round*	60 mm	120 x 160 x 350 mm	450 mm

* = stainless steel

NEW



λ -sensor plug and rings

HJS-No.	Description	Screw thread
83 00 0244	λ -sensor screwed sealing plug	M 18 x 1.5
90 60 9724	λ -sensor threaded ring with bevel	M 18 x 1.5
90 60 7690	λ -sensor threaded ring, straight	M 18 x 1.5
90 60 9725	λ -sensor threaded ring, 45° angle	M 18 x 1.5



Straight holder, stainless steel

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



"Clip on" tips

HJS-No.	Description	Ø	Length
81 01 9254	"Clip on" chrome tip	45.0 - 49.5 mm	118 mm
81 01 9261	"Clip on" chrome tip	50.0 - 54.5 mm	118 mm
81 01 9266	"Clip on" chrome tip	55.0 - 61.5 mm	118 mm

NEW



Exhaust flaps

HJS-No.	Description	Ø
90 60 5125	Exhaust flaps	50 mm
90 60 5225	Exhaust flaps	55 mm
90 60 5325	Exhaust flaps	60 mm
90 60 5425	Exhaust flaps	65 mm
90 60 5525	Exhaust flaps	70 mm



Pipe Clamp (VW/Audi)

HJS-No.	Description	Ø
83 11 8908	Pipe Clamp	45.5 mm
83 11 8904	Pipe Clamp	48.5 mm
83 11 8914	Pipe Clamp	50.5 mm
83 11 8909	Pipe Clamp	55.5 mm
83 11 8917	Pipe Clamp	60.5 mm
83 11 8918	Pipe Clamp	64.5 mm

Packing unit 10 pieces



Pipe Coupling

HJS-No.	Description	Ø	Length
83 12 2857	Pipe Coupling	45.0 mm	90 mm
83 00 4809	Pipe Coupling	48.0 mm	90 mm
83 00 5007	Pipe Coupling	50.0 mm	70 mm
83 12 2858	Pipe Coupling	50.0 mm	90 mm
83 00 5507	Pipe Coupling	55.0 mm	70 mm
83 12 2860	Pipe Coupling	55.0 mm	90 mm
83 00 6007	Pipe Coupling	60.0 mm	70 mm
83 12 2859	Pipe Coupling	60.0 mm	90 mm
83 00 6507	Pipe Coupling	65.0 mm	70 mm
83 00 6509	Pipe Coupling	65.0 mm	90 mm
83 00 7007	Pipe Coupling	70.0 mm	70 mm



U-clamp M8

HJS-No.	Description	Ø
83 00 8645	U-clamp	45.0 mm
83 00 8648	U-clamp	48.0 mm
83 00 8650	U-clamp	50.0 mm
83 00 8658	U-clamp	58.0 mm
83 00 8660	U-clamp	60.0 mm
83 00 8665	U-clamp	65.0 mm
83 00 8670	U-clamp	70.0 mm

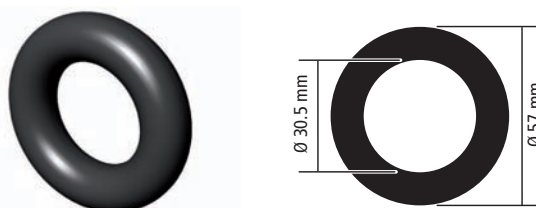
Packing unit 10 pieces



Locking spring

HJS-No.	Description	Ø x L
90 60 0512	Locking spring	8 x 80 mm

NEW

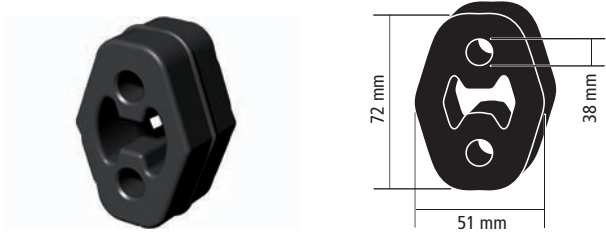


Rubber and mounting parts

HJS-No.	Description	Rubber thickness
90 60 1350	Rubber ring	14 mm

HJS Universal Competition Exhaust Parts

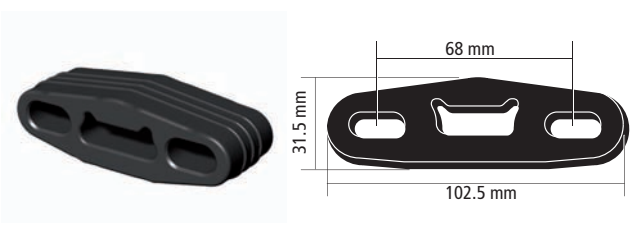
NEW



Rubber and mounting parts

HJS-No.	Description	Rubber thickness
90 60 1900	Rubber pad	34 mm

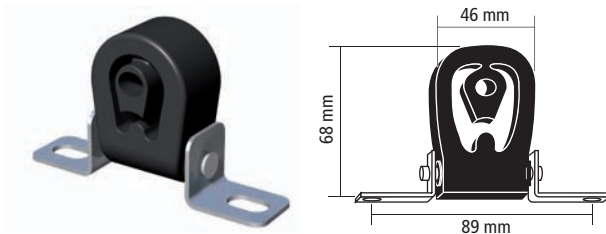
NEW



Rubber and mounting parts

HJS-No.	Description	Rubber thickness
90 60 1646	Rubber pad	34.8 mm

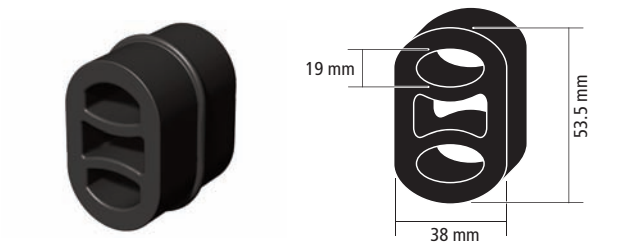
NEW



Rubber and mounting parts

HJS-No.	Description	Rubber thickness
90 60 1960	Rubber-metal element	34 mm

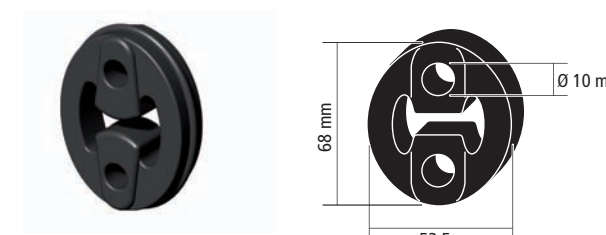
NEW



Rubber and mounting parts

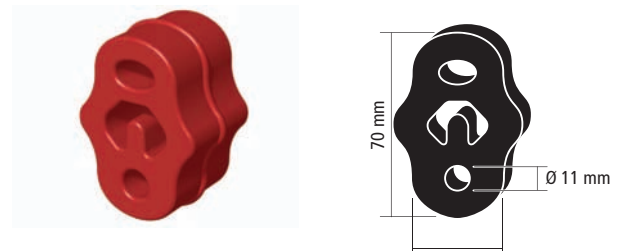
HJS-No.	Description	Rubber thickness
90 60 1964	Rubber pad	42,5 mm

NEW



Rubber and mounting parts

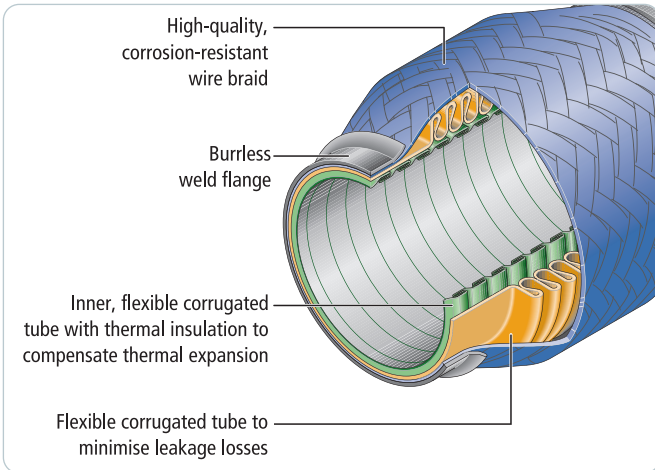
HJS-No.	Description	Rubber thickness
90 60 7111	Rubber pad	19.2 mm



Rubber and mounting parts

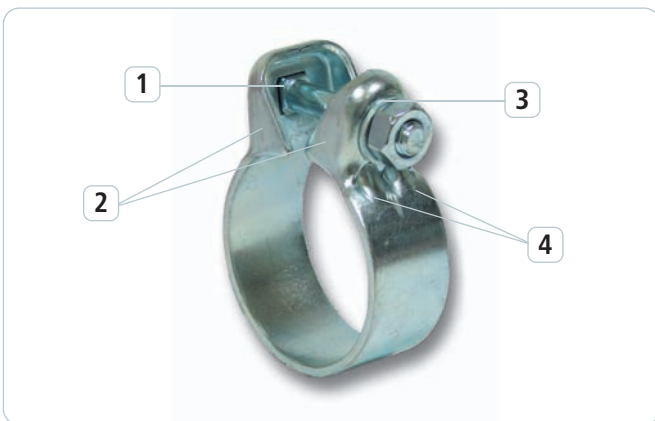
HJS-No.	Description	Rubber thickness
90 60 7112	Rubber pad heavy duty - red	38 mm





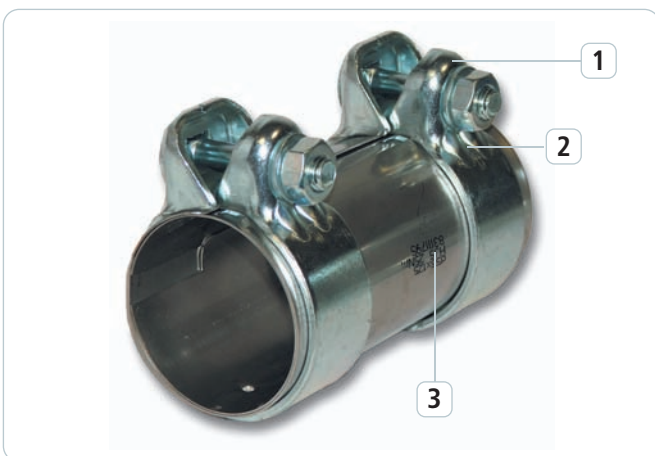
Flexible-pipe coupling

- **Mechanical decoupling function**
Prevents stresses in the exhaust system
- **Compensation of thermal expansion**
Can also be put to versatile use with front pipes
- **Vibration damping/noise reduction**
Improves comfort levels in the passenger compartment
- **Excellent gas tightness**
- **Corrosion resistance**
- **Compact design**
- **Cost-efficient repair solution**



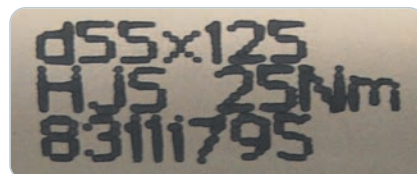
Pipe Clamp

- 1 Optimised connection fit thanks to modified screw head (carriage bolt)
- 2 Overlapping screw guides (from Ø 50 mm)
- 3 Use of washers
- 4 Dimensional stability thanks to extra beads



Pipe Coupling

- 1 Overlapping screw guides ensure excellent gas tightness.
- 2 Reinforcing beads guarantee high dimensional stability and good clamping.
- 3 Unambiguous assignment ensured by markings



- Diameter and length
- Tightening torque (Nm)
- Article number



www.hjs-tuning.com

- > Download of certifications
- > Product informations
- > HJS-Tuning-supply sources



Winners Drive Clean!