

For any enquiries please refer to: muffler.homologation@efra.ws

March 28th, 2016

Enclosed the new muffler list for 2016. Because of new rules that were made valid in 2013 the list will be different every year. Some of the older mufflers have disappeared and more will follow. From now the responsibility on the noise production is up to the driver. Using one of the mufflers on the list does not mean that you are within the limits. The noise production depends on a combination of motor/muffler/manifold/ins-box/gearing/performance and body.

EFRA will start measuring noise limits at various races to show the drivers their noise production during the coming years. We are improving our measurement systems from year to year and as soon as our system works satisfied we will start taking out some of you who are the loudest. Finally a penalty can be given to those not respecting the noise limits. This is a different approach compared to the last 25-30 years, however this is the only solution to bring the level down. All mufflers on the list will be valid for a period of 2 year and then a renewal by the manufacturer has to be made to EFRA again. This gives better control and the more noisy mufflers will easily disappear in the future.

At the end of the list you see samples with a picture of all the mufflers on this list. We have also listed some of the measurements here, including the weight. The weight is there to avoid the production of mufflers with thinner or different material. Thinner material normally will produce more noise. Within the next weeks pictures from all the mufflers with their dimensions and weight will be added to complete the list. Length and diameter are the maximum values. Some mufflers have a cosmetic change compared to those produced some years ago, which means they are slightly different looking, however functional measurements are still the same. See picture EFRA9901 with extra reinforcement for tailpipe.

	1/8th MUFFLERS for 2016	type	valid till
EFRA9901	NovaRossi		dec-17
EFRA2006	NovaRossi		dec-17
EFRA2015	NovaRossi / R&B		dec-17
EFRA2017	MAX		dec-17
EFRA2021	Schepis Model , Boss, Sirio, Bliss		dec-17
EFRA2023	SPM / Vega		dec-17
EFRA2034	SPM / Vega		dec-17
EFRA2033	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2034	RCE/Hipex		dec-17
EFRA2041	Mielke / Maxima / RMV / Corally		dec-17
EFRA2042	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power		dec-17
EFRA2046	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2052	NovaRossi		dec-17
EFRA2058	Capricorn / XRD / DB ENGINE TECHNOLOGY/CRF		dec-17
EFRA2068	Capricorn / XRD / DB ENGINE TECHNOLOGY off roa		dec-17
EFRA2069	RCE/Hipex/CRF		dec-17
EFRA2072	Arrow/Go-Engine		dec-16
EFRA2076	LRP/Nosram	off road	dec-17
EFRA2081	Alpha Plus	off road	dec-16



EFRA2083	Schepis Model , Boss, Sirio, Bliss		dec-17
EFRA2084	NovaRossi		dec-17
EFRA2089	OS Engines/ ProTek RC/ Mugen Seiki/ Bullitt/ S-Power		dec-17
EFRA2093	TLR	off road	dec-16
EFRA2094	MAX		dec-17
EFRA2095	Hipex (low noise pipe)	on road	dec-16
EFRA2096	NovaRossi		dec-17
EFRA2098	OS Engines / CRF / Creation Model		dec-17
EFRA2099	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2102	Schepis Model , Boss, Sirio, Bliss		dec-17
EFRA2104	REDS Racing	off road	dec-16
EFRA2105	Global Hobbies	off road	dec-16
EFRA2107	Alpha Plus	off road	dec-16
EFRA2108	RCE/Hipex/FX		dec-16
EFRA2109	LRP/Nosram	off road	dec-17
EFRA2110	SST/Alpha/A-plus	on road	dec-17
EFRA2111	Force (FC) / Sworkz	off road	dec-17
EFRA2112	REDS Racing	off road	dec-17
EFRA2113	REDS Racing	on road	dec-17
EFRA2114	CRF / Orion		dec-17
EFRA2115	RCE/Hipex/OS Engines		dec-17
EFRA2116	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2118	Capricorn / XRD		dec-16
EFRA2119	Ultimate Engines	off road	dec-17
EFRA2120	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2121	STS		dec-16
EFRA2122	NR / R&B		dec-16
EFRA2123	ULTIMATE RACING	off road	dec-16
EFRA2124	R&B		dec-16
EFRA2125	Hipex		dec-16
EFRA2126	Hipex		dec-16
EFRA2127	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	off road	dec-16
EFRA2128	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON	on road	dec-16
EFRA2129	Tesla		dec-16
EFRA2130	Alpha/Argus		dec-16
EFRA2131	FX	off road	dec-16
EFRA2132	REDS Racing		dec-17



EFRA2133	PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON		dec-17
EFRA2134	Alpha Plus / Argus		dec-17
EFRA2135	RCE		dec-17
EFRA2136	Shengine		dec-17
EFRA2137	Dbengine		dec-17
EFRA2138	SSTech / JS / MIT / Soar / Go / Agama	off road	dec-17
EFRA2139	Tesla	·	dec-17
EFRA2140	SSTech / JS / MIT		dec-17

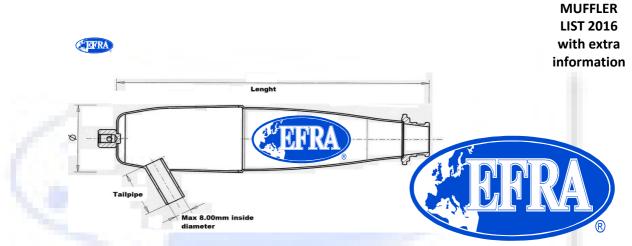
EFRA2630         NovaRossi         on road         dec-1           EFRA2652         NovaRossi         on road         dec-1           EFRA2654         RCE/Hipex/Orcan         on road         dec-1           EFRA2660         NovaRossi         on road         dec-1           EFRA2662         Capricorn / XRD         on road         dec-1           EFRA2663         Mielke         on road         dec-1           EFRA2669         RCE/Hipex/CRF         on road         dec-1           EFRA2670         MAX         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2672         OS Engines         on road         dec-1           EFRA2673         Hipex / RCE (low noise)         on road         dec-1           EFRA2674         REDS Racing         on road         dec-1           EFRA2675         RCE/Hipex         on road         dec-1           EFRA2676         Capricorn / XRD / DB ENGINE TECHNOLOGY         on road         dec-1 </th <th></th> <th>1/10th MUFFLERS for 2016</th> <th>type</th> <th>valid till</th>		1/10th MUFFLERS for 2016	type	valid till
EFRA2652         NovaRossi         on road dec-1           EFRA2654         RCE/Hipex/Orcan         on road dec-1           EFRA2660         NovaRossi         on road dec-1           EFRA2662         Capricorn / XRD         on road dec-1           EFRA2663         Mielke         on road dec-1           EFRA2669         RCE/Hipex/CRF         on road dec-1           EFRA2670         MAX         on road dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road dec-1           EFRA2672         OS Engines         on road dec-1           EFRA2673         Hipex / RCE (low noise)         on road dec-1           EFRA2674         REDS Racing         on road dec-1           EFRA2675         RCE/Hipex         on road dec-1           EFRA2676         Capricorn / XRD / DB ENGINE TECHNOLOGY         on road dec-1           EFRA2678         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road dec-1           EFRA2680         R&B         on road dec-1           EFRA2681         DB Engine         on road dec-1           EFRA2682         Reds         on road dec-1           EFRA2683         Tesla         on road dec-1           EFRA2684         Gimar / JP         on ro	EFRA2624	Mielke	on road	dec-17
EFRA2654         RCE/Hipex/Orcan         on road         dec-1           EFRA2660         NovaRossi         on road         dec-1           EFRA2662         Capricorn / XRD         on road         dec-1           EFRA2663         Mielke         on road         dec-1           EFRA2669         RCE/Hipex/CRF         on road         dec-1           EFRA2670         MAX         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2672         OS Engines         on road         dec-1           EFRA2673         Hipex / RCE (low noise)         on road         dec-1           EFRA2674         REDS Racing         on road         dec-1           EFRA2675         RCE/Hipex         on road         dec-1           EFRA2676         Capricorn / XRD / DB ENGINE TECHNOLOGY         on road         dec-1           EFRA2678         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2680         R&B         on road         dec-1           EFRA2681         DB Engine         on road         dec-1           EFRA2682         Reds         on road         dec-1	EFRA2630	NovaRossi	on road	dec-17
EFRA2660         NovaRossi         on road         dec-1           EFRA2662         Capricorn / XRD         on road         dec-1           EFRA2663         Mielke         on road         dec-1           EFRA2669         RCE/Hipex/CRF         on road         dec-1           EFRA2670         MAX         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2672         OS Engines         on road         dec-1           EFRA2673         Hipex / RCE (low noise)         on road         dec-1           EFRA2674         REDS Racing         on road         dec-1           EFRA2675         RCE/Hipex         on road         dec-1           EFRA2676         Capricorn / XRD / DB ENGINE TECHNOLOGY         on road         dec-1           EFRA2678         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2679         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2680         R&B         on road         dec-1           EFRA2681         DB Engine         on road         dec-1           EFRA2683         Tesla         on road	EFRA2652	NovaRossi	on road	dec-17
EFRA2662         Capricorn / XRD         on road         dec-1           EFRA2663         Mielke         on road         dec-1           EFRA2669         RCE/Hipex/CRF         on road         dec-1           EFRA2670         MAX         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2672         OS Engines         on road         dec-1           EFRA2673         Hipex / RCE (low noise)         on road         dec-1           EFRA2674         REDS Racing         on road         dec-1           EFRA2675         RCE/Hipex         on road         dec-1           EFRA2676         Capricorn / XRD / DB ENGINE TECHNOLOGY         on road         dec-1           EFRA2678         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2679         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2680         R&B         on road         dec-1           EFRA2681         DB Engine         on road         dec-1           EFRA2682         Reds         on road         dec-1           EFRA2683         Tesla         on road	EFRA2654	RCE/Hipex/Orcan	on road	dec-17
EFRA2663         Mielke         on road         dec-1           EFRA2669         RCE/Hipex/CRF         on road         dec-1           EFRA2670         MAX         on road         dec-1           EFRA2671         Schepis Model , Boss, Sirio, Bliss         on road         dec-1           EFRA2672         OS Engines         on road         dec-1           EFRA2673         Hipex / RCE (low noise)         on road         dec-1           EFRA2674         REDS Racing         on road         dec-1           EFRA2675         RCE/Hipex         on road         dec-1           EFRA2676         Capricorn / XRD / DB ENGINE TECHNOLOGY         on road         dec-1           EFRA2678         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2679         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2680         R&B         on road         dec-1           EFRA2681         DB Engine         on road         dec-1           EFRA2683         Tesla         on road         dec-1           EFRA2684         Gimar / JP         on road         dec-1           EFRA2685         DB Engine         on road	EFRA2660	NovaRossi	on road	dec-17
EFRA2669 RCE/Hipex/CRF on road dec-1 EFRA2670 MAX on road dec-1 EFRA2671 Schepis Model , Boss, Sirio, Bliss on road dec-1 EFRA2672 OS Engines on road dec-1 EFRA2673 Hipex / RCE (low noise) on road dec-1 EFRA2674 REDS Racing on road dec-1 EFRA2675 RCE/Hipex on road dec-1 EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1 EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2680 R&B on road dec-1 EFRA2681 DB Engine on road dec-1 EFRA2682 Reds on road dec-1 EFRA2683 Tesla on road dec-1 EFRA2684 Gimar / JP on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2662	Capricorn / XRD	on road	dec-16
EFRA2670 MAX  EFRA2671 Schepis Model , Boss, Sirio, Bliss on road dec-1  EFRA2672 OS Engines on road dec-1  EFRA2673 Hipex / RCE (low noise) on road dec-1  EFRA2674 REDS Racing on road dec-1  EFRA2675 RCE/Hipex on road dec-1  EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1  EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/  RCCONCEPT/TRITON on road dec-1  EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/  RCCONCEPT/TRITON on road dec-1  EFRA2680 R&B on road dec-1  EFRA2681 DB Engine on road dec-1  EFRA2682 Reds on road dec-1  EFRA2683 Tesla on road dec-1  EFRA2684 Gimar / JP on road dec-1  EFRA2685 DB Engine on road dec-1  EFRA2686 Tesla on road dec-1	EFRA2663	Mielke	on road	dec-17
EFRA2671 Schepis Model , Boss, Sirio, Bliss on road dec-1 EFRA2672 OS Engines on road dec-1 EFRA2673 Hipex / RCE (low noise) on road dec-1 EFRA2674 REDS Racing on road dec-1 EFRA2675 RCE/Hipex on road dec-1 EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1 EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2680 R&B on road dec-1 EFRA2681 DB Engine on road dec-1 EFRA2682 Reds on road dec-1 EFRA2683 Tesla on road dec-1 EFRA2684 Gimar / JP on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2669	RCE/Hipex/CRF	on road	dec-17
EFRA2672 OS Engines on road dec-1 EFRA2673 Hipex / RCE (low noise) on road dec-1 EFRA2674 REDS Racing on road dec-1 EFRA2675 RCE/Hipex on road dec-1 EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1 EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2680 R&B on road dec-1 EFRA2681 DB Engine on road dec-1 EFRA2682 Reds on road dec-1 EFRA2683 Tesla on road dec-1 EFRA2684 Gimar / JP on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2670	MAX	on road	dec-17
EFRA2673 Hipex / RCE (low noise) on road dec-1 EFRA2674 REDS Racing on road dec-1 EFRA2675 RCE/Hipex on road dec-1 EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1 EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2680 R&B on road dec-1 EFRA2681 DB Engine on road dec-1 EFRA2682 Reds on road dec-1 EFRA2683 Tesla on road dec-1 EFRA2684 Gimar / JP on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2671	Schepis Model , Boss, Sirio, Bliss	on road	dec-17
EFRA2674 REDS Racing on road dec-1 EFRA2675 RCE/Hipex on road dec-1 EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1 EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2680 R&B on road dec-1 EFRA2681 DB Engine on road dec-1 EFRA2682 Reds on road dec-1 EFRA2683 Tesla on road dec-1 EFRA2684 Gimar / JP on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2672	OS Engines	on road	dec-17
EFRA2675 RCE/Hipex on road dec-1 EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1 EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1 EFRA2680 R&B on road dec-1 EFRA2681 DB Engine on road dec-1 EFRA2682 Reds on road dec-1 EFRA2683 Tesla on road dec-1 EFRA2684 Gimar / JP on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2673	Hipex / RCE (low noise)	on road	dec-16
EFRA2676 Capricorn / XRD / DB ENGINE TECHNOLOGY on road dec-1  EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1  EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1  EFRA2680 R&B on road dec-1  EFRA2681 DB Engine on road dec-1  EFRA2682 Reds on road dec-1  EFRA2683 Tesla on road dec-1  EFRA2684 Gimar / JP on road dec-1  EFRA2685 DB Engine on road dec-1  EFRA2686 Tesla on road dec-1	EFRA2674	REDS Racing	on road	dec-17
EFRA2678 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1  EFRA2679 PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON on road dec-1  EFRA2680 R&B on road dec-1  EFRA2681 DB Engine on road dec-1  EFRA2682 Reds on road dec-1  EFRA2683 Tesla on road dec-1  EFRA2684 Gimar / JP on road dec-1  EFRA2685 DB Engine on road dec-1  EFRA2686 Tesla on road dec-1	EFRA2675	RCE/Hipex	on road	dec-17
EFRA2678         RCCONCEPT/TRITON         on road         dec-1           EFRA2679         PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/ RCCONCEPT/TRITON         on road         dec-1           EFRA2680         R&B         on road         dec-1           EFRA2681         DB Engine         on road         dec-1           EFRA2682         Reds         on road         dec-1           EFRA2683         Tesla         on road         dec-1           EFRA2684         Gimar / JP         on road         dec-1           EFRA2685         DB Engine         on road         dec-1           EFRA2686         Tesla         on road         dec-1	EFRA2676	Capricorn / XRD / DB ENGINE TECHNOLOGY	on road	dec-17
EFRAZ679         RCCONCEPT/TRITON         on road dec-1           EFRA2680         R&B         on road dec-1           EFRA2681         DB Engine         on road dec-1           EFRA2682         Reds         on road dec-1           EFRA2683         Tesla         on road dec-1           EFRA2684         Gimar / JP         on road dec-1           EFRA2685         DB Engine         on road dec-1           EFRA2686         Tesla         on road dec-1	EFRA2678		on road	dec-17
EFRA2681         DB Engine         on road         dec-1           EFRA2682         Reds         on road         dec-1           EFRA2683         Tesla         on road         dec-1           EFRA2684         Gimar / JP         on road         dec-1           EFRA2685         DB Engine         on road         dec-1           EFRA2686         Tesla         on road         dec-1	EFRA2679		on road	dec-17
EFRA2682         Reds         on road         dec-1           EFRA2683         Tesla         on road         dec-1           EFRA2684         Gimar / JP         on road         dec-1           EFRA2685         DB Engine         on road         dec-1           EFRA2686         Tesla         on road         dec-1	EFRA2680	R&B	on road	dec-16
EFRA2683         Tesla         on road         dec-1           EFRA2684         Gimar / JP         on road         dec-1           EFRA2685         DB Engine         on road         dec-1           EFRA2686         Tesla         on road         dec-1	EFRA2681	DB Engine	on road	dec-16
EFRA2684Gimar / JPon roaddec-1EFRA2685DB Engineon roaddec-1EFRA2686Teslaon roaddec-1	EFRA2682	Reds	on road	dec-16
EFRA2685 DB Engine on road dec-1 EFRA2686 Tesla on road dec-1	EFRA2683	Tesla	on road	dec-16
EFRA2686 Tesla on road dec-1	EFRA2684	Gimar / JP	on road	dec-16
	EFRA2685	DB Engine	on road	dec-16
EFRA2687 Tesla on road dec-1	EFRA2686	Tesla	on road	dec-17
	EFRA2687	Tesla	on road	dec-17

	INS Boxes for 2016		
EFRA-INS200101	Serpent	1/8th	1/10th
EFRA-INS200201	Picco box, also sold by R&B	1/8th	1/10th



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EFRA-INS200401	Mielke / Mugen Seiki	1/8th	1/10th
EFRA-INS200701	NovaRossi	1/8th	1/10th
EFRA-INS200702	Mielke modified / Mugen Seiki	1/8th	1/10th
EFRA-INS200901	NovaRossi / R&B	1/8th	1/10th
EFRA-INS200902	Serpent / Xceed / Max / OS Speed /R&B / Brilliant RC	1/8th	1/10th
EFRA-INS200903	modified NovaRossi (lower 200901)	1/8th	1/10th
EFRA-INS201001	Hobby Pro / Team C	1/8th	1/10th
EFRA-INS201101	Mielke	1/8th	1/10th
EFRA-INS201401	NovaRossi	1/8th	1/10th



#### **EFRA MUFFLERS 2016 DATA SHEETS**

All Dimensions +/- 1mm.

EFRA9901	22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3
NovaRossi	45
Valid till 31-12-2017	19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
68,5 gramm	
38 x 156mm	V
tailpipe 26mm	

EFRA2006	24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
NovaRossi	21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 8 5 4 3 2 1 0
Valid till 31-12-2017	
59,5 gramm	BANG
37 x 156mm	
tailpipe 25mm	45.7



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NovaRossi

Valid till 31-12-2017

61 gramm

155 x 37mm

tailpipe 25mm



#### **EFRA2017**

Max

Valid till 31-12-2017

56 gramm

155 x 38mm

tailpipe 25mm



#### EFRA2021

Schepis

Valid till 31-12-2017

55 gramm

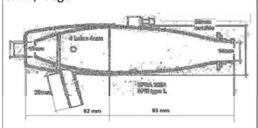
155 x 37mm

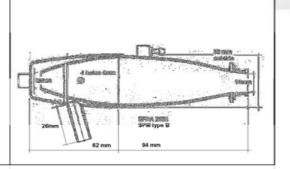
tailpipe 25mm



#### EFRA2023 / EFRA 2024

SPM / Vega





#### EFRA2033

Picco

Valid till 31-12-2017

61 gramm 155 x 36mm

tailpipe 27mm





EFRA2034	24 23 22 21 20 19 18 17 16 16 14 13 12 11 10 9 8 7 6 8 4 3 2 4
RCE	71 20 19 16 17 16 15 14 13 12 11 10 9 8 7 9 9 7 9 9 7 9
Valid till 31-12-2017	2034 Mg210040
64 gramm	SAN SAN
153 x 39mm	3
tailpipe 24mm	45.7
EFRA2041	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 +10 m
Mielke	20 19 10 17 16 19 14 13 12 11 10 0 0 7 6 5 4 3 2 1 0
Valid till 31-12-2017	
77 gramm	BA
162 x 38mm	HGO
tailpipe 20mm	45
EFRA2042	22 22 21 20 19 18 17 18 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 +10 m
OS Engines	45 9045-B-250
Valid till 31-12-2017	
65 gramm	AH
166 x 36,5mm	8
tailpipe 24mm	150



155 x 39mm tailpipe 24mm

# **MUFFLERLIST 2016**

EFRA2046	22 22 22 20 10 10 17 16 15 14 13 12 11 10 6 8 7 6 5 4 3 2 1
Picco	45° 107 9045-B-250
Valid till 31-12-2017	0, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1
Picco etc	
59 gramm	N SAH
159 x 39mm	8
tailpipe 27mm	45.
EFRA2052	24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
NovaRossi	27 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Valid till 31-12-2017	
60 gramm	NAME OF THE PARTY
147 x 38mm	<u> </u>
tailpipe 24mm	45/
EFRA2058	24 22 22 21 20 19 18 17 16 15 16 13 12 11 10 9 8 7 6 5 4 3 2 7
Capricorn	27 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 9 4 3 2 1 9
Valid till 31-12-2017	2058
64 gramm	NA BA
158 x 39mm	35
tailpipe 26mm	<b>13</b>
EFRA2068	
Capricorn	45 19 005-8-20
Valid till 31-12-2017	
62 gramm	NA A
155 x 38mm	8
tailpipe 25mm	45
EFRA2069	24 22 22 21 20 19 18 17 16 15 14 12 12 11 10 9 8 7 6 5 4 5 2
RCE	71 20 19 18 17 18 15 14 13 12 11 10 9 8 7 8 5 4 3 2 1 0
Valid till 31-12-2017	2069 MA210036
63 gramm	NA SA



EFRA2072	2 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Go-Engine	19 19 17 16 15 14 13 12 11 10 9 8 7 6 3 4 3 2 1 0
Valid till 31-12-2016	
110 gramm	BAH
159 x 38mm	6
tailpipe 27mm	45:
EFRA2076	24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
LRP	21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Valid till 31-12-2017	
87 gramm	AH
161 x 39mm	قال المسابق ال
tailpipe 25mm	45
EFRA2081	22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Alpha Plus	45 99 9045-B-250
Valid till 31-12-2016	2081
66 gramm	NA I
164 x 40mm	
tailpipe 23mm	45/
EFRA2083	20 22 21 20 10 16 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 + 10 mm
Schepis	45° 10° 10° 10° 10° 10° 10° 10° 10° 10° 10
Valid till 31-12-2017	EFRX 2083
61 gramm	BAH
161 x 37mm	88
tailpipe 26mm	45)
EFRA2084	24 25 22 27 25 19 18 17 16 15 14 13 12 11 16 9 8 7 8 5 4 3 2 1
NovaRossi	27 20 19 10 17 10 15 16 13 12 11 10 9 0 1 0 3 2 1 1 9
Valid till 31-12-2017	
87 gramm	H
163 x 37mm	
tailpipe 26mm	14



EFRA2089	23 22 21 20 19 18 17 18 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
OS Engines	45° 9045-B-250
Valid till 31-12-2017	NO 19 19 17 16 15 14 13 12 11 10 9 0 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
64 gramm	MAH MAH
167 x 36,5mm	8
tailpipe 24mm	45
- M M.	
221	
Valid till 31-12-2015	
GO granna	
148 × 38mm	
tailpipe 26mm, interchangable	
evening software states of insures an entire of the feet routes.	
REB	
Valid till 39-12-2015	
/ "_abath " N	
L . Martin v P	
Cata greaturing	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(126% × 189 min)	
taillgäge: 21 immi	
EFRA2093	25 22 21 20 19 18 17 16 15 14 13 12 11 10 6 7 6 5 4 3 2 1
TLR	45° 19 16 17 16 15 14 13 17 19 19 19 19 19 19 19 19 19 19 19 19 19
Valid till 31-12-2016	**************************************
	C TICKS
69 gramm	NA NA
158 x 38mm	8
tailpipe 27mm	5.1
EFRA2094	24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Max	45° 9045-8-250
Valid till 31-12-2017	20 10 18 17 10 16 16 18 19 19 19 19 19 19 19 19 19 19 19 19 19
Valid till 31-12-2017	
62 gramm	KAN KAN
153 x 39mm	68
tailpipe 24mm	4.0



Hipex Valid till 31-12-2016  98 gramm	90 10 18 17 16 15 14 13 12 11 10 9 8 7 9 9 3 2 1 9 9 1 3 2 1 9 9 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Valid till 31-12-2016 98 gramm	THE TOTAL LOW MINES
	THE STATE OF
	FFA 3555 LOW BOIM
455 40	HAB
155 x 42mm	8
tailpipe 25mm	45
EFRA2096	26 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
NovaRossi	45 9045-8-250
Valid till 31-12-2017	
66gramm	TANK.
164 x 38mm	La
tailpipe 27mm	45/
[0 G D ] [8 G D ]	
Valid till (8) (12-2013)	
L JAMES L.P.	
GG grammin	7 7 7 9 97
156 × 199mm	
tzaillpägse 27mmi	
EFRA2098	23 22 21 20 19 16 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
OS Engines	9045-B-250
Valid till 31-12-2017	
60 gramm	HA
154 x 36mm	8
tailpipe 24mm	45/
EFRA2099	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
W1400 1 M 1000 1 M 1	20 19 18 17 16 15 14 13 12 11 10 0 8 7 6 5 4 3 3 1 0
Picco	
Picco	EDICO N
Picco	
Picco Valid till 31-12-2017	



EFRA2102	22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Schepis	45° -197 9045-8-250
Valid till 31-12-2017	
61 gramm	BAA
152 x 39mm	
tailpipe 26mm	45
EFRA2104	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 15 mm
Reds	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Valid till 31-12-2016	
6E grown	
65 gramm 165 x 38mm	MIC
tailpipe 24mm	
tanpipe 24mm	45.
EFRA2105	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 5 8 7 6 5 4 3 2 1 0 5 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8
Global Hobbies	90 10 18 17 16 18 14 10 18 11 10 0 0 1 7 9 1 9 1
Valid till 31-12-2016	
JS Racing	S C VISIA
83 gramm	NAH NAH
164 x 39mm	8
tailpipe 27mm	45



tailpipe 27mm

# **MUFFLERLIST 2016**

EFRA2107	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
SST	+10 mm
Valid till 31-12-2016	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
	200
70 gramm	C B
157 x 38mm	HCO
tailpipe 28mm	£,
	37
EFRA2108	22 22 21 20 19 18 17 16 15 14 13 12 11 10 8 8 7 6 5 4 3 2 1
RCE	45° 9045-8-250
Valid till 31-12-2016	0 10 18 17 16 15 14 13 12 11 10 8 A 7 8 8 4 3 2 1 0
65 gramm	BAI
165 x 37,5mm	
tailpipe 24mm	41
EFRA2109	24 22 22 20 20 10 16 17 16 15 16 15 12 11 10 9 8 7 6 5 4 5 2 1
LRP	45°
Valid till 31-12-2017	
The Property of the	LEVE STANDARDS 200
the state of the s	
67 gramm	AH
165 x 38mm	
tailpipe 27mm	45
EFRA2110	25 26 25 22 27 20 19 18 17 16 15 14 13 17 11 10 5 8 7 8 5 4 7 2 1
SST	45° 100 9045-8-250
Valid till 31-12-2017	2 27 20 19 19 17 19 15 14 12 17 10 9 9 7 7 1 5 4 2 2 1 0
Valid till 31-12-2017	2110
60 gramm	and the second s
148 x 39mm	.4
tailpipe 25mm	
•	
EFRA2111	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Force	45° 9045-8-250
Valid till 31-12-2017	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 9
1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	2111
64 gramm	BA
166 x 37mm	HCO



26mm

# **MUFFLERLIST 2016**

EFRA2112	20 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Reds	20 18 18 17 14 15 14 13 12 11 10 8 8 7 7 8 7 9 1 1 0
Valid till 31-12-2017	
Reds	2112
64 gramm	HA
154 x 38,5mm	8
tailpipe 24mm	(5)
EFRA2113	23 22 21 20 19 18 17 16 15 14 13 12 11 10 8 7 6 5 4 3 2 1
Reds	200 10 10 17 10 15 10 13 12 11 10 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0
Valid till 31-12-2017	
Reds	2113
63 gramm	NA N
155 x 39mm	8
tailpipe 24mm	45/
EFRA2114	25 24 25 25 25 25 15 16 17 16 16 16 15 17 16 16 16 15 17 16 16 16 15 17 16 16 16 15 17 16 16 16 15 17 16 16 16 15 17 16 16 16 15 17 16 16 16 15 17 16 16 16 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16
Orion	22 27 20 19 18 17 16 15 14 13 12 17 10 9 8 7 9 5 4 3 2 1 9
Valid till 31-12-2017	2/14 2/14
64 gramm	AHG
163 x 38mm	
tailpipe 24mm	555
EFRA2115	**************************************
Hipex	22 21 20 10 10 17 10 10 11 10 10 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10
Valid till 31-12-2017	2115 MA210087
62 gramm	АНСО
156 x 39mm	
tailpipe 24mm	50
EFRA2116	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Picco	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 9 1 3 7 1 0
Valid till 31-12-2017	2116
62 gramm	BAH
154 x 38mm	© CO



EFRA2118	24 23 22 21 20 19 18 17 16 19 14 13 12 11 10 9 8 7 6 5 4 3 2
Capricorn	45° 107 9045-8-250
Valid till 31-12-2017	2118
63 gramm	N. C.
158 x 38mm	38
tailpipe 27mm	45)
EFRA2119	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 10 mm
Ultimate	20 19 15 17 16 15 14 13 12 11 10 0 0 7 6 5 4 3 2 1 0
Valid till 31-12-2017	2112
69 gramm	NAH SAH
163 x 38mm	8
tailpipe 24mm	45
EFRA2120	23 22 21 20 19 18 17 16 15 16 13 12 11 10 9 8 7 6 5 4 3 2 1 1
Picco	20 10 10 17 16 15 14 13 12 11 10 0 0 7 0 5 4 3 2 1 0
Valid till 31-12-2017	2120
63 gramm	MA
155 x 39mm	8
tailpipe 24mm	45)
EFRA2121	23 22 21 20 19 18 17 18 15 14 13 12 11 10 8 8 7 6 5 4 3 2 1
STS	45
Valid till 31-12-2016	2121
62 gramm	
164 x 37mm	HCC
tailpipe 23mm	45/
EFRA2122	22 22 27 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
NovaRossi	9045-B-250
Valid till 31-12-2016	2 212.2
Novarossi/R&B	
57 gramm	MAN
155 x 36mm	8
tailpipe 24mm	45



160 x 38mm tailpipe 27mm

# **MUFFLERLIST 2016**

EFRA2123	29 22 21 20 19 18 17 16 16 14 13 12 11 10 9 6 7 6 5 4 3 2 1
Modelix	45 9045-8-250
Valid till 31-12-2016	7 6 5 4 3 2 1 0
ULTIMATE RACING	2123
67 gramm	BAI
165 x 37mm	i co
tailpipe 27mm	45/
EFRA2124	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 10 9 8 7 6 5 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10
R&B	45 - 167 9045-8-250 9045-8-250 9045-8-250 9045-8-250 9045-8-250
Valid till 31-12-2016	
R&B	2124
63 gramm	BAH
158 x 39mm	8
tailpipe 27mm	45/
EFRA2125	23 22 21 20 19 18 17 16 15 14 13 12 11 10 6 8 7 6 5 4 3 2 1 0
Hipex	45° 10 10 10 10 10 10 10 10 10 10 10 10 10
Valid till 31-12-2016	2125
64 gramm	BA
162 x 40mm	HCO
tailpipe 24mm	457
EFRA2126	25 22 21 26 19 18 17 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16 15 16
Hipex	45 9045-8-250 9045-8-250 7 8 3 3 3 0
Valid till 31-12-2016	2 2126
65 gramm	BA
157 x 39mm	HCO
tailpipe 27mm	45)
EFRA2127	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Picco	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Valid till 31-12-2016	2 2123
PICCO/XCEED/SONIC/VOX/REDS	3 2127 2 10CO
LRP/BLISSRC/ RCCONCEPT/TRITON	
61 gramm	



For any enquiries please refer to: muffler.homologation@efra.ws

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-	-ĸ	$\Delta$		<i>,</i> ×
_				

Picco

Valid till 31-12-2016

PICCO/XCEED/SONIC/VOX/REDS

LRP/BLISSRC/ RCCONCEPT/TRITON

60 gramm

156 x 37mm

tailpipe 25mm



#### **EFRA2129**

Tesla

Valid till 31-12-2016

Tesla

62 gramm

155 x 38mm

tailpipe 25mm



#### **EFRA2130**

Alpha-Plus

Valid till 31-12-2016

Alpha-plus

76 gramm

150 x 38mm

tailpipe 25mm



#### **EFRA2131**

FX

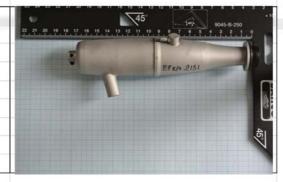
Valid till 31-12-2016

FX

67 gramm

168 x 37mm

tailpipe 22mm



#### **EFRA2132**

**REDS** 

Valid till 31-12-2017

REDS

72 gramm

163 x 40 mm

tailpipe 24,5 x 12mm





EFRA2133	
Picco	45° 9045-B-250
Valid till 31-12-2017	9 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
PICCO/XCEED/SONIC/VOX/REDS/LRP/BLISSRC/	2133
RCCONCEPT/TRITON	2 2100
65 gramm	
166 x 40 mm	<b>*</b>
tailpipe 23,5 mm	
EFRA2134	45 167 9045-B-250
ALPHA	8 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Valid till 31-12-2017	2134
Alpha Plus / Argus	
68 gramm	
163 x 38 mm	
tailpipe 26,5 x 12 mm	
tumppe 20,5 x 12 mm	
EFRA2135	45° 1497 9045-8-250
RCE	18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Valid till 31-12-2017	2125
RCE	7
67 gramm	
167 x 38 mm	
tailpipe 26 x 12 mm	
EFRA2136	45° 2015 0 250
Shengine	17 16 15 14 13 12 11 10 9 8 6 5 4 3 2 1 0
Valid till 31-12-2017	2 2136
Shengine	
73 gramm	
150 x 38,5 mm	
tailpipe 24 mm	
EFRA2137	
DBengine	
Valid till 31-12-2017	
DBengine	
gramm	
mm tailpipe mm	



For any enquiries please refer to: muffler.homologation@efra.ws

#### **EFRA2138**

SSTech

Valid till 31-12-2017

SSTech / MIT/ JS / Soar / Go gramm mm tailpipe mm

#### **EFRA2139**

Tesla

Valid till 31-12-2017

Tesla 62 gramm 154 x 35,5 mm tailpipe 23,5 mm



#### EFRA2140

Sstech

Valid till 31-12-2017

SSTech / MIT/ JS gramm mm tailpipe mm





EFRA2624	9 22 21 20 19 18 17 18 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Mielke	19 16 17 16 15 14 13 12 11 19 8 7 7 8 9 3 1 9
Valid till 31-12-2017	
Mielke	
55 gramm	ВАНС
139 x 36mm	60
tailpipe 13mm	45
EFRA2630	24 22 22 21 20 19 16 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
NovaRossi	21 20 19 18 17 16 15 14 13 12 11 10 9 9 7 9 4 3 2 1 0
Valid till 31-12-2017	
44 gramm	ВАНС
126 x 35mm	Le la
tailpipe 15mm	45/
EFRA2652	20 22 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
NovaRossi	7 20 18 18 17 18 15 14 13 12 17 10 8 7 8 9 14 3 9 1
Valid till 31-12-2017	
45 gramm	BA.
126 x 35mm	
tailpipe 11mm	45
EFRA2654	N 23 22 21 20 19 18 17 10 15 14 13 12 11 10 5 5 7 6 5 4 3 2 1
RCE/Hipex/Orcan	77 20 10 10 15 14 15 14 15 17 17 10 15 17 17 17 17 17 17 17 17 17 17 17 17 17
Valid till 31-12-2017	2654 NALZOO1
46 gramm	
136 x 34mm	
tailpipe 11mm	45
EFRA2660	24 22 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
NovaRossi	7 ap 19 19 17 16 15 14 12 17 19 19 19 19 19 19 19 19 19 19 19 19 19
Valid till 31-12-2017	
46 gramm	ВАНК
127 x 35mm	
tailpipe 11mm	45



EFRA2662	1 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Capricorn / XRD	19 18 17 18 19 14 13 12 11 10 9 8 7 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		
Valid till 31-12-2016	EFRA 2002		
46 gramm	BAH		
128 x 37mm	8		
tailpipe 11mm	45)		
EFRA2663	24 22 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Mielke	45 9045-B-250		
Valid till 31-12-2017			
61 gramm	BAHO		
123 x 34mm tailpipe 13mm			
EFRA2669	24 23 22 21 20 19 16 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2		
RCE/Hipex/CRF/Orcan	71 30 19 18 17 16 18 14 11 19 11 10 10 11 10 11 10 11 10 11 11 10 11 11		
Valid till 31-12-2017	7 2669 HA120032		
45 gramm	BAINE		
125 x 35mm tailpipe 11mm	45		
EFRA2670	22 21 20 19 18 17 16 15 14 13 12 11 19 9 8 7 6 5 4 3 2 1 0 10 mm		
MAX	19 19 17 16 15 14 13 17 10 0 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Valid till 31-12-2017			
Max/Tesla			
45 gramm	BAHO		
126 x 35mm			
tailpipe 11mm	45		



EFRA2671	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Schepis	45° -197 9045-8-250
Valid till 31-12-2017	20 19 19 19 19 19 19 19 19 19 19 19 19 19
45 gramm	BA
128x 37mm	8
tailpipe 11mm	45)
EFRA2672	23 22 21 20 19 18 17 16 19 14 13 12 11 10 9 8 7 6 5 4 3 2 1
OS	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Valid till 31-12-2017	
41 gramm	BA
130 x 33mm	HGO
tailpipe 11mm	45/
EFRA2673	25 25 27 26 19 18 17 16 15 14 13 12 11 10 5 8 7 6 5 4 3 2 1
Hipex	45°
Valid till 31-12-2016	
Hipex low noise	2 September 1997
60 gramm	
125 x 39mm	NHC SHOW
tailpipe 5mm	45/
EFRA2674	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Reds	45° 9045-8-250
Valid till 31-12-2017	20 19 10 17 10 15 14 15 12 11 10 9 8 7 8 9 4 7 2 1 9
Reds	2674
45 gramm	BAI
125 x 36mm	S C C C C C C C C C C C C C C C C C C C
tailpipe 11mm	45
EFRA2675	**************************************
RCE / Hipex	22 24 20 13 13 17 16 16 11 13 17 11 10 6 8 7 6 5 4 7 7 1 0
Valid till 31-12-2017	Parts Hailou;;
45 gramm	ансо
125 x 36mm	45/
tailpipe 11mm	



EFRA2676	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Capricorn / XRD	27 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 9
Valid till 31-12-2017	2676
48 gramm	
130 x 37mm	14
tailpipe 11mm	45)
Gimar / JP Valid till 30:12:2015	
ALS grannin	
1.25 × 1855mm	
Gaillpäipee Il Itrerre	
EFRA2678	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Picco Valid till 31-12-2017	20 19 18 17 16 15 14 13 12 11 10 9 1 7 9 7 4 3 7 1 9 9 1 7 9 1 7 9 7 1 9 1 9 1 9 1 9 1
49 gramm	BA
125 x 34mm	816
tailpipe 11mm	45
EFRA2679	45° 9045-8-250
Picco	27 21 20 10 10 17 16 15 14 13 12 11 10 0 8 7 6 5 4 3 2 1 0
Valid till 31-12-2017	2679
44 gramm	
125 x 35mm	451
tailpipe 11mm	
EFRA2680	23 22 21 20 19 16 17 16 15 14 13 12 11 10 9 6 7 6 5 4 3 2 1
R&B	20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Valid till 31-12-2016 R&B	2680
40 gramm	BAH
137 x 33mm	(8)
tailpipe 11mm	45



tailpipe 10,5mm

# **MUFFLERLIST 2016**

EFRA2681	20 22 21 20 19 19 17 16 15 14 13 12 11 19 9 8 7 6 5 4 3 2 1 10 10 10 10 10 10 10 10 10 10 10 10 1		
DB Engine Valid till 31-12-2016 DB Engine			
		ū	
		39 gramm 130,5 x 33,5mm tailpipe 11mm	BA
HCO			
45:			
EFRA2682	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Reds	9045-B-250		
Valid till 31-12-2016	2682		
Reds	The state of the s		
48 gramm	BA		
137 x 33mm	HC		
tailpipe 11mm	45		
EFRA2683	23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1		
Tesla	45° - 197 9045-8-250 +10 mm		
Valid till 31-12-2016	20 10 10 17 14 15 14 13 17 17 10 0 0 0 7 0 0 1 7 1 1 1		
Tesla	2683		
46 gramm	BA		
128 x 37mm	₩ HCO		
tailpipe 11mm	45		
EFRA2684	45 age age 350		
Gimar	22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 9		
Valid till 31-12-2016			
Gimar/JP			
48 gramm			
125 x 35,5mm	(Sil		
tailpipe 11mm			
EFRA2685	25 24 22 22 21 20 19 18 17 19 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1		
DB Engine	25. 27. 20. 19. 19. 17. 16. 15. 14. 13. 17. 11. 10. 6 8 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		
Valid till 31-12-2016	3 (eff. A 2665)		
48 gramm	MIGG		
140 x 34mm	6		



For any enquiries please refer to: muffler.homologation@efra.ws

EFRA2686	18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2
DB Engine	45° 9045-B-250
Valid till 31-12-2017	5 14 13 12 11 10 9 0 7 10 3 4 3 2 1 1 10 10 10 10 10 10 10 10 10 10 10 10
DB Engine / Tesla	2686
48 gramm	
130 x 34 mm	
tailpipe 10,5mm	
EFRA2687	18 17 16 15 14 13 12 11 10 9 6 7 0 3 4 3
DB Engine	45° 9045-B-250
Valid till 31-12-2017	15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0
Dbengine / Tesla	2504
50 gramm	
139 x 34 mm	
tailpipe 10,5mm	

Sander de Graaf

EFRA Muffler homologation.



(updated because of OEM-names, 18/6/2016)