

ORCAN

WORLD Champion Products

Motoren

Tips + Tuning

Pipes + Fuel

Accessories + Care Products

Teamwear

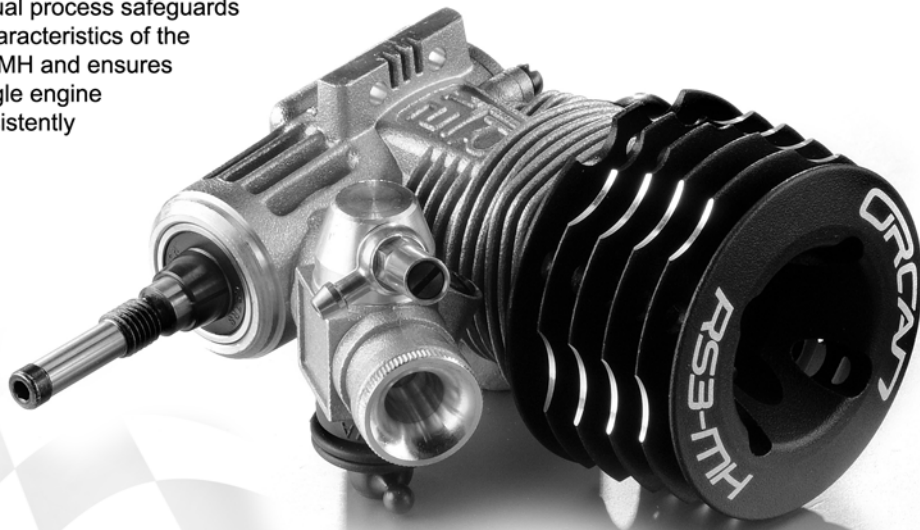
German Race Products



ORCAN RS-MH

First ever world championship title for SMI-Motorsport. Swedish driver Alexander Hagberg took home the 1/10 nitro on-road world championship title thanks to an outstanding performance in Bangkok with his ORCAN RS3-MH engine and Xray NT1.

Our exhaustive series of tests has resulted in improved low- and mid-range torque as well as top speed. Standard parts have been optimised and some modifications rolled out to minimise manufacturing tolerances and improve quality. This complex manual process safeguards the special characteristics of the ORCAN RS3-MH and ensures that every single engine performs consistently well.



Order ref. OA26-8ml

ORCAN PUSH BOX

The new ORCAN PUSH BOX offers even more consistent power (especially with a full tank after refuelling). Fuel consumption is also reduced. Alexander Hagberg drove to victory at the world championships in Bangkok using a prototype version of this PUSH BOX.

World Champion



SPECIFICATIONS

- Displacement: 2.11 cc
- Range: 5,600-44,200 rpm
- 3-port sleeve
- 1.6 hp at 42,600 rpm

RS-MH (for shorter tracks)

RS3-MH S (for mid-length tracks)

RS3-MH TS (for longer tracks)

DELIVERY INCLUDES

All tuned ORCAN engines come with

- ORCAN engine bag OA4000S
- ORCAN engine sack OA4040
- Metal carburettor with thermal insulation bushing



ORCAN engines are available as standard versions or with MH TUNING. Please ask for more details.

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ORCAN RS9-MH

EUROPEAN Vize CHAMPION MIT Tom Krägefski

Part List :

XRAY RX8'15 Prototype

XRAY Reverse Clutch

16/19-50/46

ORCAN RS9MH-TS

ORCAN 2015/41015NR Pipe

ORCAN OF 2016 Fuel

FX 7 Glow plug

PF R18 Body

Futaba Radio

Euro B 1/8
Cassino/Italy



ORCAN engines are available as standard versions or with MH TUNING. Please ask for more details.

ORCAN RS9-MH



The RS9-MH is a brand new 3.5 cc engine from ORCAN for the 1/8 on-road segment. It is based on the NR 9-port World Champion engine. The RS9-MH two-stroke nitro engine from ORCAN is available exclusively from SMI Motorsport featuring RS technology and tuned by MH-Motortuning.



Choose from three versions:

RS9-MH suitable for short and mid-length race tracks

RS9-MH S suitable for short and mid-length race tracks

RS9-MH TS suitable for mid-length and long race tracks

DELIVERY INCLUDES

All tuned ORCAN engines come with

- ORCAN engine bag OA4000S
- ORCAN engine sack OA4040
- Metal carburettor with 3 needles



ORCAN engines are available as standard versions or with MH TUNING. Please ask for more details.

ORCAN Pipes

ORCAN's exhaust pipe and manifold kits are the ideal way to find the perfect set-up for any race track, engine and driving style. Get 100% out of your engine with the right combination of exhaust pipe and manifold.

**OA2654 incl. OA26C+**

Linear power delivery for short and mid-length race tracks

OA2669 incl. OA26C+

Progressive power delivery for mid-length race tracks

OA2663 incl. OA1903

Progressive power delivery and maximum top speed for long race tracks



ORCAN exhaust pipes are top quality products manufactured by Hipex, Mielke and Nova Rossi.

ORCAN Pipes

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OA26 S+(conical)

For maximum top speed (less acceleration than M+)



OA26 C+(conical)

For linear power development through the full rpm range



OA26 M+(conical)

For optimum low- and mid-range acceleration (top speed lower than S+)



OA1903 (same as C+ but not conical)

For lower fuel consumption (less acceleration than C+)



1/8 off-road pipes

OA2041 characteristics: extremely efficient (chrome-plated)

OA2034 characteristics: a lot of low- and mid-range power

1/8 on-road pipes

OA2115 characteristics: good mid-range power (extremely efficient), by Hipex

OA2015 characteristics: excellent power across the whole rpm range (incl. 41015 short manifold), by Nova Rossi

For better responsiveness and more top speed
OA1020 Pipe mounting spring for 1/8 – 1/10 on-road
OA1021 Pipe mounting spring for 1/8 off-road





ORCAN Fuel

ORCAN's range of nitro fuels have been designed especially for use in high-end competition engines. Carefully specified blends of nitromethane, methanol and other ingredients make ORCAN fuels better than other brands at increasing rpm, improving responsiveness and keeping engine temperatures down.

Order ref. **OF2516Plus**
Recommended for 1/10 ON-ROAD



Order ref. **OF2516**
Recommended for 1/8 ON-ROAD and 1/8 OFF-ROAD



For top performance under the most extreme racing conditions, we have developed a fuel specifically for 1/10 on-road. The ORCAN PLUS + fuels were developed and tested extensively over a period of 12 months in close cooperation with engine tuning expert Michael Heinrich (MH-Motortuning) and our team drivers.

Care Products



Alongside its accessory range, SMI also offers ORCAN professional care products to protect your RC car with confidence.

A 6-piece ORCAN care kit
is also available
from SMI in a handy
ORCAN multi-purpose bag.



The range includes the **OA3200** silicon spray for cleaning drive belts and plastic components; **OA3100** isopropyl alcohol (100 ml) spray for cleaning RC cars and engines; **OA3050** air filter oil (50 ml); **OA3030** engine oil/after-run oil (30 ml) to prevent rusting and to care for the bearings and O-rings; **OA1693** cleaning putty for removing dirt from RC cars and engines and for balancing wheels; the **OA0008** handy magnetic storage tin for all those tiny screws, split pins, etc.; and the **OA1695** ORCAN cleaning sponge.



ORCAN Teamwear

Stylish teamwear for ORCAN drivers. Get this season off to a flying start with a wide range of ORCAN teamwear featuring the new design.



OK 0022 ORCAN hoody

OK 0032-S ORCAN cap

OK 0001 ORCAN T-shirt sizes XS, S, M, L

OK 0002 ORCAN T-shirt sizes XL, XXL, 3XL, 4XL, 5XL

OK 0031 ORCAN World Champion BUFF

OK 0033 ORCAN wool beanie

Accessories

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ORCAN offers a range of practical and useful accessories for the ambitious RC car driver. Includes the popular ORCAN multi-purpose bag for engines, tools, care products and spare parts; the ORCAN engine sack for safe storage of 2.11 and 3.5 cc model engines; or the stylish ORCAN drawstring bag to transport and protect your RC car.



OA4300 ORCAN protective car bag



OA 4000S ORCAN
multi-purpose bag



OA4040 ORCAN engine sack

Visit www.orcan.de to find out more about ORCAN's teamwear and range of accessories.

ORCAN Tips!

ORCAN's top 10 tips on engine care

- Run in engines carefully and at the right temperature.
- Pre-heat engines before every start and warm up over at least 2 laps.
- Always make sure that glow plugs are in perfect condition (filament should be straight and shiny/silver in colour).
- Change the connecting rod in tuned engines after 4-5 litres of use.
Change the connecting rod as a precaution following extremely high revs (e.g. faulty second gear).
- Engine care - use after-run oil after every race/race day to protect the engine.
- Engine care - seal all openings during transport to protect against corrosion.
- Always fix the air filter in place with a cable tie and always use clean air filters (or replace as soon as possible).
- Air filter care - clean after use with cleaning putty and apply fresh oil (less is more), do not rinse!
- Exhaust pipe storage - always store in a sealed plastic storage bag after removal.
- Engine use - good engines should not be used in wet conditions.

Our top 10 tips are based on many years of experience. Sticking to these important principles will keep your engines performing reliably and at their best. Remember:

"BETTER SAFE THAN SORRY"