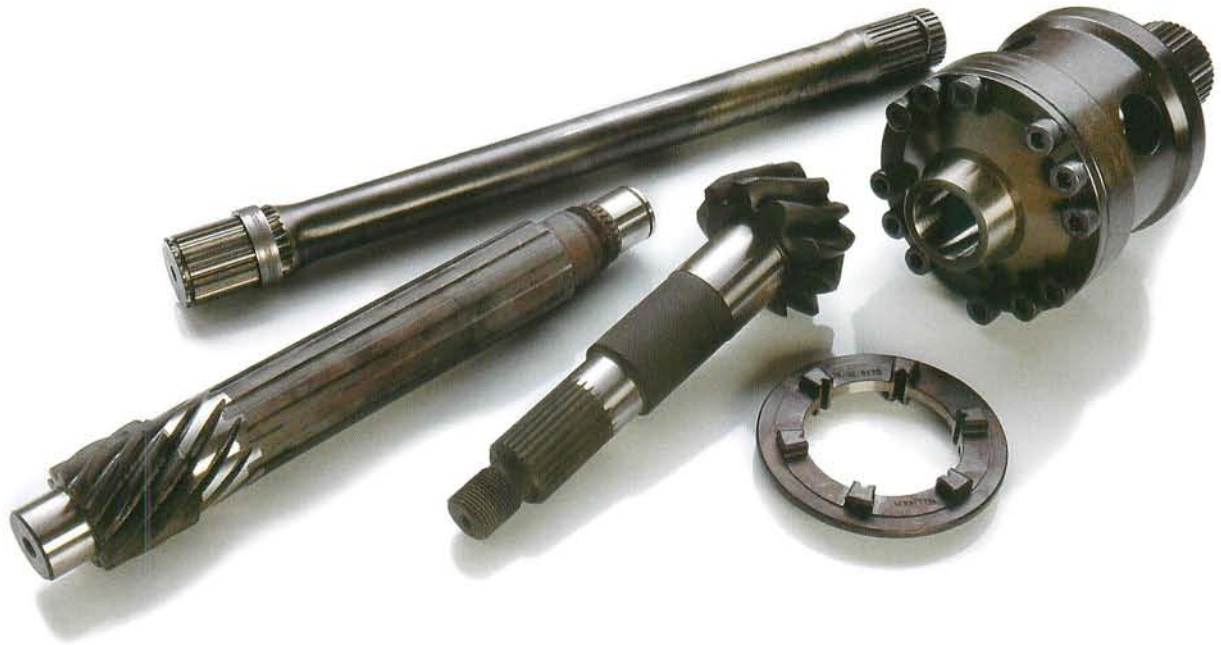


OvaX

STEELS FOR THE RACING INDUSTRY



ADVANCED HIGH PERFORMANCE STEELS
for the racing industry

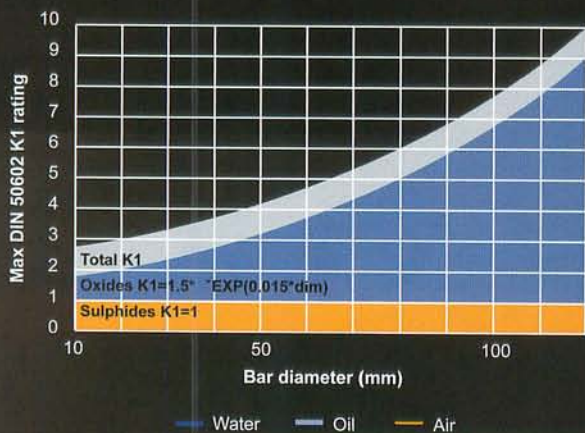


Quality steels twice as fast at half the price

At Ovako we are introducing the OvaX steels for autosport applications. Steels that are definitely competitive in relation to the existing re-melt steels on the market today. In addition, we are offering outstanding metallurgic know-how plus availability beyond comparison. Note that we have not mentioned the economics yet. It will be an advantage to the whole racing industry. We are talking about a very interesting price difference. Open for business, anyone?



INCLUSION LIMITS OvAx STEELS



CLEANLINESS SPECIFICATION

Micro Inclusions

Applied standard: DIN 50602 K1

Sampling product: Six random samples from final dimension.

Limits: Dimension dependent, the average rating of six samples will not exceed the limits in the graph.

Macro Inclusions

Applied standard: ISO 3763 (blue fracture) 10 MHz UST (internal)

Sampling: Statistical testing on billets, three samples per tested heat.

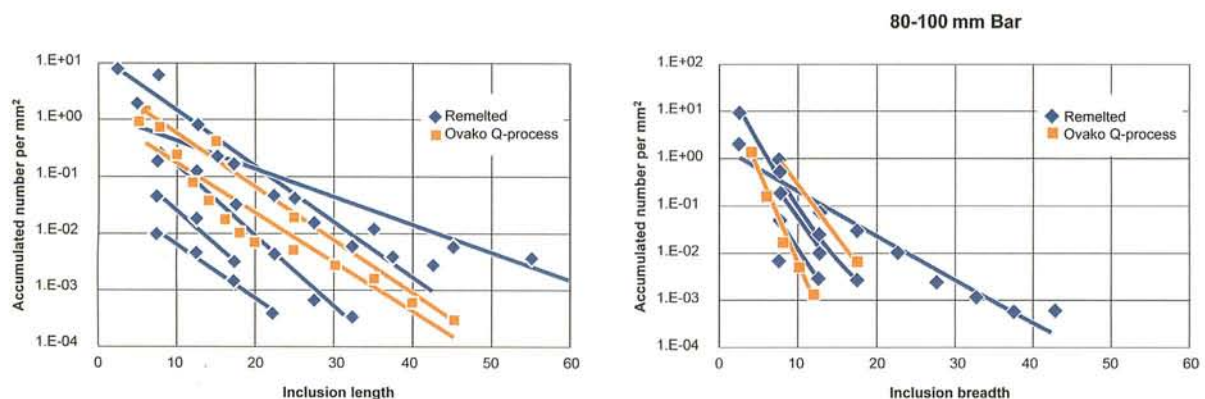
Limits: $<1 \text{ mm/dm}^2$

Max 18 defects/dm³ $>0.2 \text{ mm FBH}$

Clean steel record right from the beginning

Producing steel that contains an absolute minimum of harmful particles has been a speciality at Ovako as far back as people can remember. We are a direct descendant of the well-known rolling bearing manufacturer SKF. Year by year, we have refined our metallurgy. Today, we dare to say that no other steel mill in the world produces cleaner steel than we do. And we don't mean once in a while, but always. Day in and day out. It is our standard.

CLEANLINESS COMPARED TO RE-MELTED



OvaX – the real deal steel

The OvaX steels for autosport applications cover surface-hardening steels, air-hardening steels and bearing through-hardening steels. When it comes to quality OvaX can definitely compete with the majority of re-melt steels on the market today. So the obvious question is: Why use expensive re-melt material when there is a drastically more economic alternative? Or to put it bluntly: Why not use OvaX?

EXAMPLES OF OvaX STEELS

OvaX 200 is an air-hardening grade designed for carburising or nitriding giving a core hardness of 35 HRC.

	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %
Min	0.14		1.20			2.10	0.45	0.45
Max	0.17	0.30	1.40	0.020	0.002	2.30	0.55	0.55

OvaX 600 is an air-hardening grade suitable for through-hardening HRC 60 – 62

	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %
Min	0.63	1.40	1.35			1.00		0.23
Max	0.70	1.60	1.55	0.025	0.002	1.20	0.25	0.27

OvaX 800 is an oil quench grade suitable for through-hardening HRC 60 – 62.

	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Cu %	Ti ppm	O ppm
Min	0.90	0.15	0.20			1.40					
Max	1.00	0.40	0.40	0.020	0.002	1.60	0.25	0.10	0.25	15	7
Mean	0.93	0.28	0.28	0.009	0.001	1.47	0.10	0.02	0.10	12	3.9

A potent supplier wherever you are

Ovako is co-operating with Smiths High Performance. Together we constitute a uniquely potent supplier in the racing business. Ovako knows all about metallurgy and steel and Smiths is a guarantee for super-efficient logistics and 24-hour service all over the UK. Through this combination you may rest assured that you will always get what you need, when you need it.

Is this an offer you can refuse?



OvaX

STEELS FOR THE RACING INDUSTRY



Ovako all over Europe

Ovako is a leading European producer of long special steel products for the rolling bearing, heavy vehicle, automotive and engineering industries. Production consists of low alloy and carbon steels in the form of bar, wire rod, tubes, rings and pre-components. We have 16 production sites and several sales companies in Europe and the USA. Our total steel production amounts to 2 million tonnes.



Smiths High Performance is a leading supplier of engineering materials to high technology industries. We stock a wide variety of commercial and specialty alloys and offer complete supply solutions including full inventory and logistics management. Our customers are some of the biggest and best World class engineering companies from aerospace to Formula 1 racing.

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