DESIGN THE RACING PARTS OF THE FUTURE
IQ-STEEL®
NEVER BEND UNDER PRESSURE

Admit it, you’re good. You’ve built a reputation crafting high-performance axles, gears, camshafts and other parts. But as new race car designs place even greater demands on lighter, stronger and more resilient materials, what’s your game plan? What steels are best suited for the higher and more complex loads?

To support your needs, Ovako has developed a special range of steel grades called IQ-Steel. Previously known as OvaX, these high-performance X grades are being optimized to let you economically slim down your gears, bearings, and other parts to meet new design requirements. Take a gearbox, for example, that can be made lighter, with higher power density, to make room for other space-competing systems.

How is this all possible? The secret lies in a clean and consistent modern steelmaking method that removes harmful inclusions. It gives the steel isotropic properties, meaning you get strength in all directions. Not a bad thing when you’re designing the axle on a 3,000 horsepower dragster that can accelerate from 0 to 300 mph in seconds, placing enormous stress on steel parts. So it’s little wonder that leading race teams across the globe rely on our steels to design and build world-class engines and gearboxes.
WHAT PERFORMANCE LEVEL DO YOU NEED?

What drawings are you staring at right now? Do you have the right high-performance steel material? Could the part you’re designing be smaller or deliver even better performance? At Ovako we offer a wide range of ultra-strong through-hardening, case carburizing, nitriding and bearing steels for some of the toughest racing applications.

CONNECTING RODS
Create connecting rods that optimize energy transfer from the piston to the crankshaft with our strong and resilient bar, tube, profile and ring products.

Recommended grades:
IQ-Steel X200, IQ-Steel X300

Other selected grades:
158Q, 255Q, 157 (4320), 355 (4340)

GEARS
No need to overcompensate on gear wall thickness or spacing thanks to our ultra-strong isotropic bar, tube, profile and ring products.

Recommended steel grades:
IQ-Steel X200, IQ-Steel X300

Other selected grades:
158Q, 255Q, 157 (4320)

CRANK SHAFTS
Optimize the design of your cam shafts with our ultra-high-strength range of bar, tube, profile and ring products.

Recommended steel grades:
IQ-Steel X200, IQ-Steel X300

Other selected grades:
255Q, 498Q (~EN30B), 420G (~EN40B), 355 (4340)

PINIONS
Make this drive train gear even smaller, stronger and more efficient with our range of bar, tube, profile and ring products.

Recommended grades:
IQ-Steel X200, IQ-Steel X300

Other selected grades:
158Q, 255Q, 157 (4320), 355 (4340)

AXLES
Create stronger, lighter and more resilient racing axles with our wide range of bar, tube, profile and ring products.

Recommended steel grades:
IQ-Steel X200, IQ-Steel X300

Other selected grades:
152G (8620), 275 (Hy-tuf), 355 (4340)

CAM SHAFTS
Create lighter and stronger high-performance cam shafts using our wide range of bar, tube, profile and ring products.

Recommended steel grades:
IQ-Steel X200, IQ-Steel X300

Other selected grades:
158Q, 498Q, 157 (4320)

“The steel we get from Ovako provides us with a competitive edge – in fact, one of our clients’ drivers recently broke a world record.”

Frank Rehak, President
The Drive Shaft Shop
Ovako is a leading European producer of engineering steel for customers in the bearing, transportation and manufacturing industries. Our production is based on recycled steel and includes steel in the form of bars, tubes, rings and pre-components. Ovako is represented in more than 30 countries and has sales offices in Europe, North America and Asia. Sales in 2013 amounted to EUR 850 million and the company had 2,995 employees. For further information please visit us at www.ovako.com

MARKETING AND SALES:

**Scandinavia**
Ovako Sales Unit Scandinavia
Centralplan 1
SE-691 32 Karlskoga
Sweden
Phone: +46 591 600 00

**Finland & Baltics**
Ovako Imatra Oy Ab
Terästehtaantie 1
FI-55100 Imatra
Finland
Phone: +358 5 680 21

**Central Europe**
Ovako GmbH
Postfach 12 55
DE-40672 Erkrath
Germany
Phone: +49 211 250 40

**Benelux**
Ovako BeNeLux
Bedrijvenpark Twente 295
NL-7602 KK Almelo
The Netherlands
Phone: +31 546 588 360

**France & Spain**
Ovako S.A.S.
14 rue de Mirande
FR-21000 Dijon
France
Phone: +33 3 8054 1515

**Italy**
Ovako Molinella S.p.A.
Magazzino Prodotti Dal Pronto
Via Varesina 204
I-20156 Milano
Italy
Phone: +39 51 690 0332

**United Kingdom & Ireland**
Ovako Ltd.
Unit 2 York’s Park
Blowers Green Road
Dudley DY2 8UL
United Kingdom
Phone: +44 138 421 3940

**Eastern Europe**
Ovako Polska Sp. z o.o.
Ul. Patriotow 110, lok. 312
04-844 Warszawa
Poland
Phone: +48 22 870 0503

**Russia & Ukraine**
Ovako LLC
Office 2401, fl. 24
Savekkinskii proezd, bldg. 4
Zelenograd
124482 Moscow
Russia
Phone: +7 495 228 0780

**Asia Pacific**
Ovako Steel Marketing
Singapore
E-mail: sales.asia@ovako.com
Phone: +65 9675 9052

**China**
Ovako Special Steel Trading Co. Ltd.
No. 189 Fulian 2nd Road
Baoshan District
Shanghai
China 201906
Phone: +86 21 3366 2787

**North America**
Ovako North America Inc.
1096 Assembly Drive
Suite 312, Fort Mill
SC 29708, USA
Phone: +1 803 802 1500

**Rest of the World**
Ovako Head Office
Ovako AB
P.O. Box 1721
SE-111 87 Stockholm
Sweden
Phone: +46 8 622 1300