

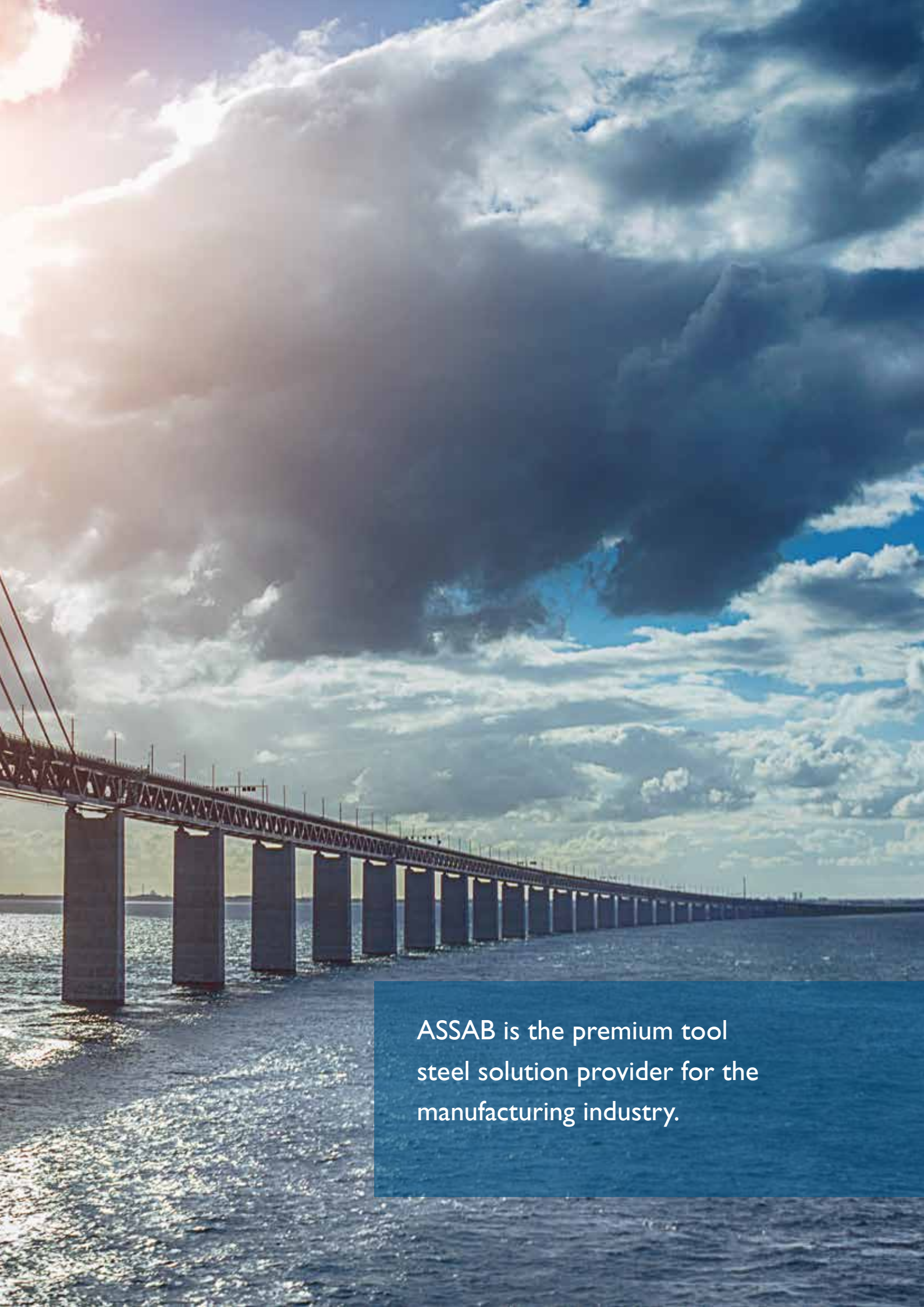
Maximise your production

**Vanadis 8 XL**

**PURE ABRASIVE WEAR  
WON'T STOP YOU**



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ASSAB is the premium tool steel solution provider for the manufacturing industry.



# MAXIMIZE YOUR PRODUCTION

ASSAB offers a wide range of high quality cold work materials for superior performance in a variety of applications. The unique cold work grade Vanadis 8 XL is designed to resist pure abrasive wear, making it ideal for the most demanding cold working applications.



Vanadis 8 XL has been developed for applications where extreme resistance to abrasive wear is required. Coarser carbides in the material structure give increased tool performance.

Vanadis 8 XL will maximize your production in a profitable and sustainable way.

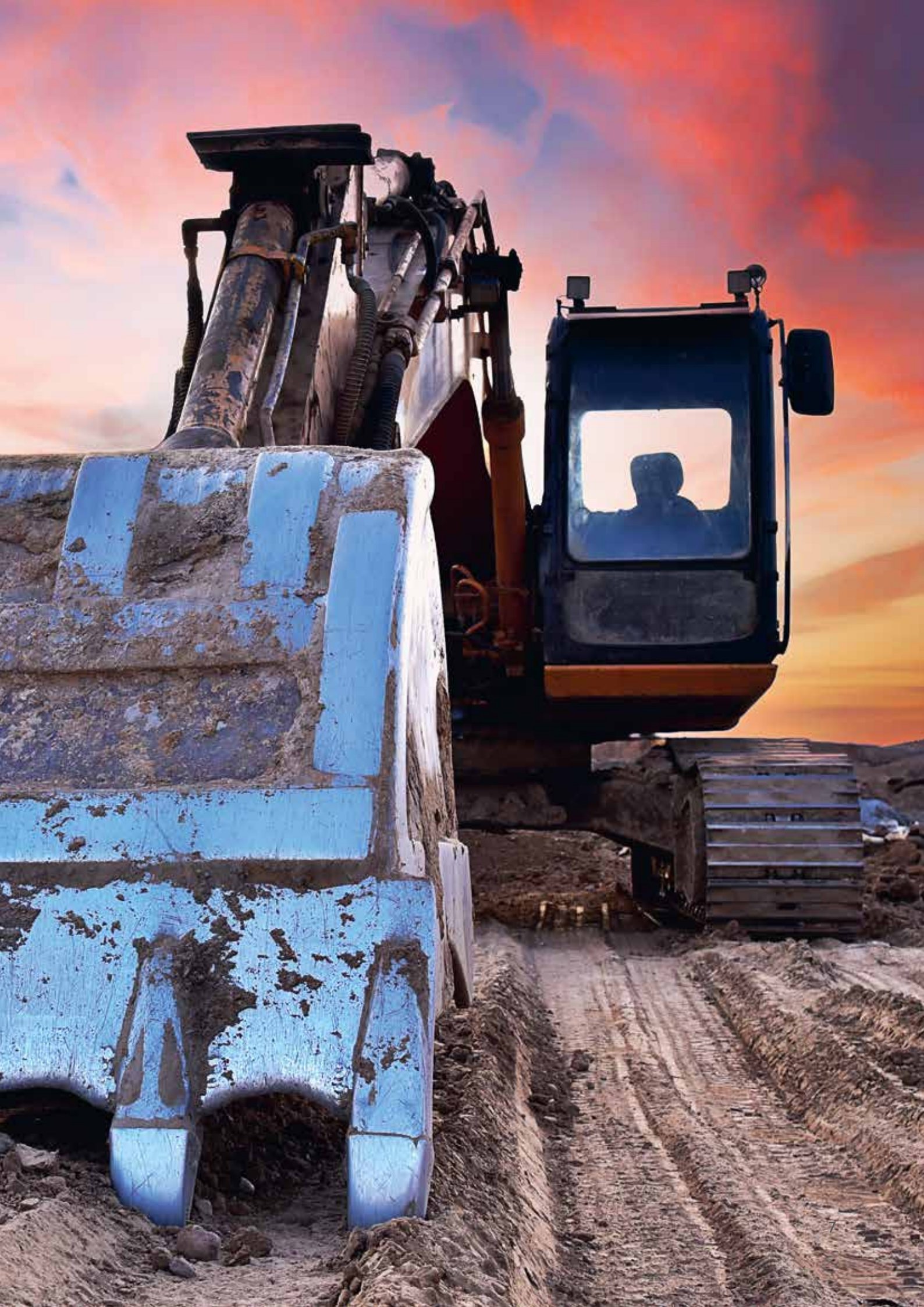


# PURE ABRASIVE WEAR WON'T STOP YOU

Vanadis 8 XL is designed for applications where extreme wear resistance in abrasive environments is required. Coarser carbides in the material structure give you improved tool performance.

Carbides are very hard particles in the steel that give it extra wear resistance and durability. Think of them as small reinforcements that protect the steel from wear.

In Vanadis 8 XL, the carbides are coarser, which increases tool life and up-time in production, an important improvement in demanding, high-abrasive environments where materials with large abrasive particles are processed.



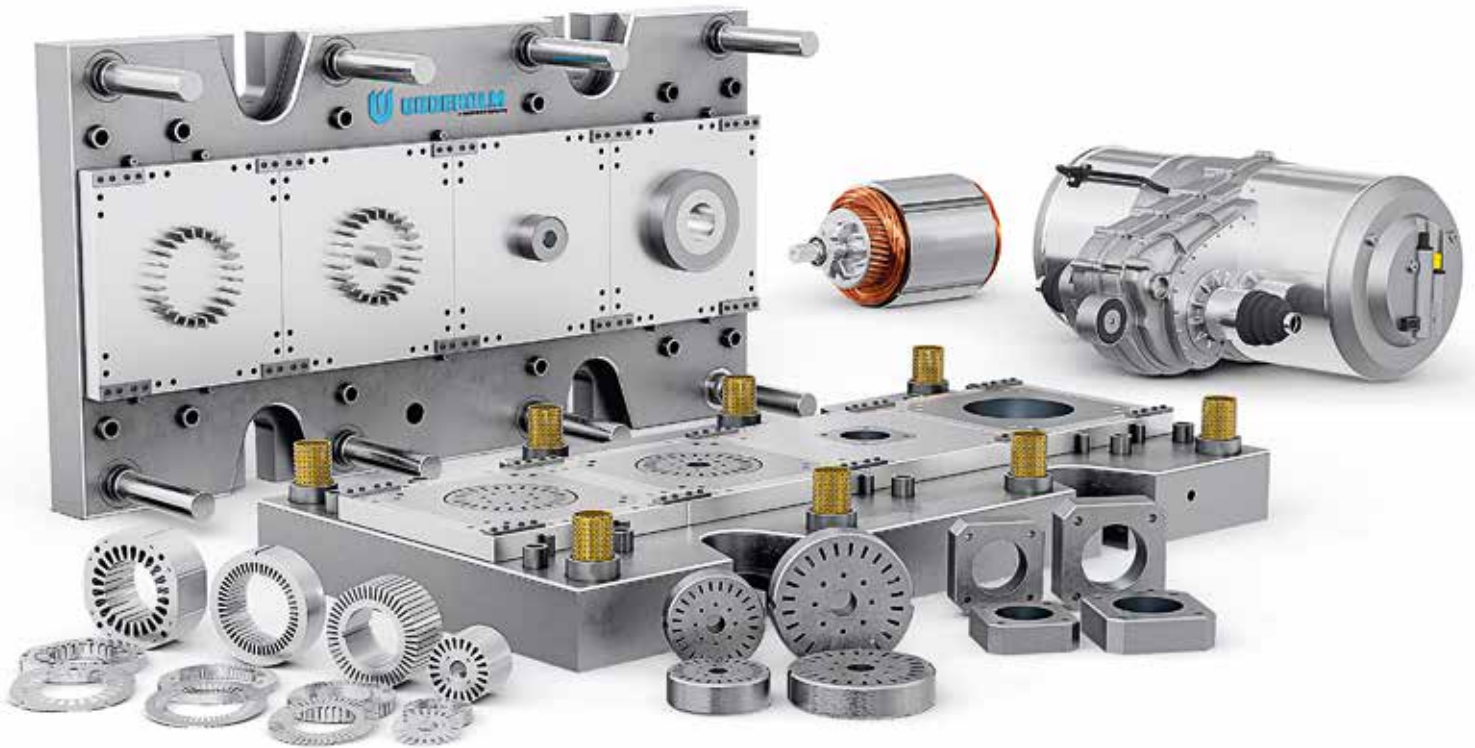


# A SUSTAINABLE TOMORROW, TODAY

Vanadis 8 XL is strong and durable, but it's also a smart, sustainable choice. Longer tool life means fewer tool changes and less time spent on maintenance. This saves time, money and resources. What's more, it's cobalt-free, which helps reduce environmental impact.

By using Vanadis 8 XL, you are taking concrete steps towards a sustainable tomorrow, today.





# A NEW LEVEL OF PERFORMANCE

Vanadis 8 XL is a unique cold work grade that is designed to withstand pure abrasive wear, making it an ideal steel grade for the most demanding cold work applications where abrasive wear is the dominating failure mechanism. Vanadis 8 XL is specially developed for applications that require extreme wear resistance.

Carbides are the very hard particles in the steel that provide extra wear resistance and durability. In Vanadis 8 XL, the carbides are coarser, which gives you better performance and increases the life of the tools.

The longer tool life means fewer tool changes and less maintenance, saving time, costs, resources and it is also cobalt-free, which supports our customers' goals of reducing their environmental impact.

By offering Vanadis 8 XL, we are taking concrete steps towards a sustainable future.

## APPLICATION

Vanadis 8 XL is specifically developed for extremely demanding tool applications where abrasive wear is the primary challenge. Its exceptional wear resistance makes it an ideal substitute for hard metals, especially in applications involving highly abrasive working materials. Typical applications include:

- Powder compaction
- Recycling knives
- Calibration rolls
- Cutting rolls
- Anvils roll
- Guide rolls
- Forming and punching of thinner abrasive sheets
- Blanking of electrical sheets
- Extruder screws and barrels

General applications where cemented carbide is typically used.



BETTER  
PERFORMANCE



COBALT-FREE = LESS  
ENVIRONMENTAL  
IMPACT

LONGER  
TOOL LIFE

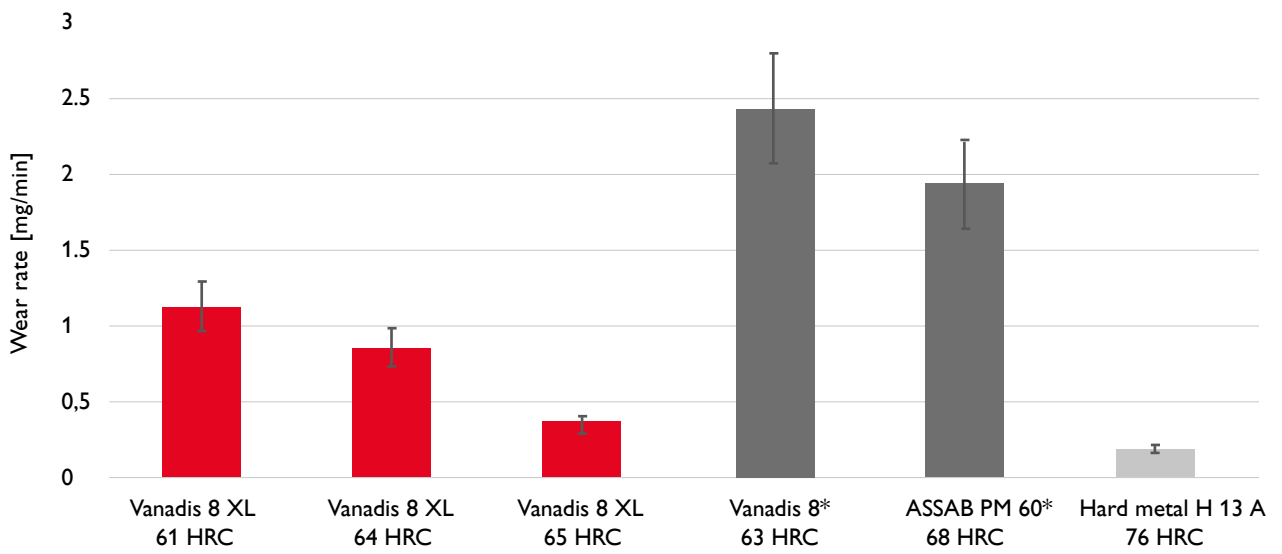
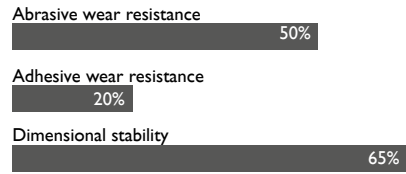


# TYPICAL ANALYSIS

## Vanadis 8 XL



## Reference grade



\* SuperClean

C	Si	Mn	Cr	Mo	V
2.3	0.4	0.4	4.8	3.6	8.0







# ENABLE YOUR COMPETITIVENESS

More and more tool users are choosing the exclusive range of ASSAB tool steel. How do we do it? By putting your business needs first. We are the only tool steel supplier with dedicated international tool steel researchers, metallurgists, and product development teams.

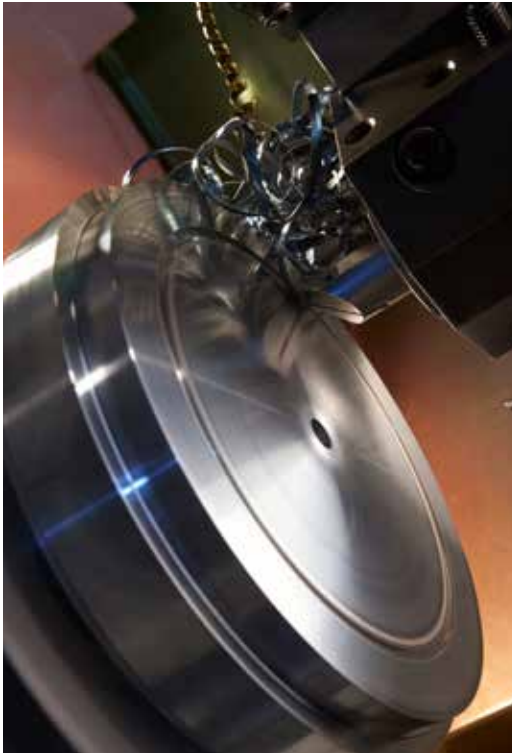
ASSAB provides you with proven and exclusive tool steel that increases your competitiveness in the markets in which you operate.

We are right here in Asia to support you with personalized sales and technical assistance whenever you need it.

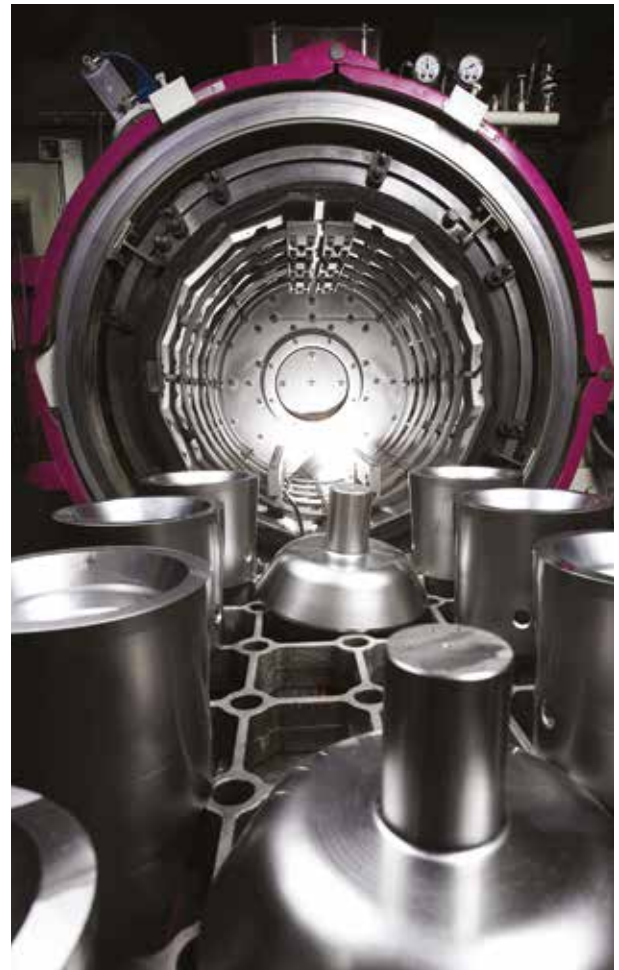
# ASSAB

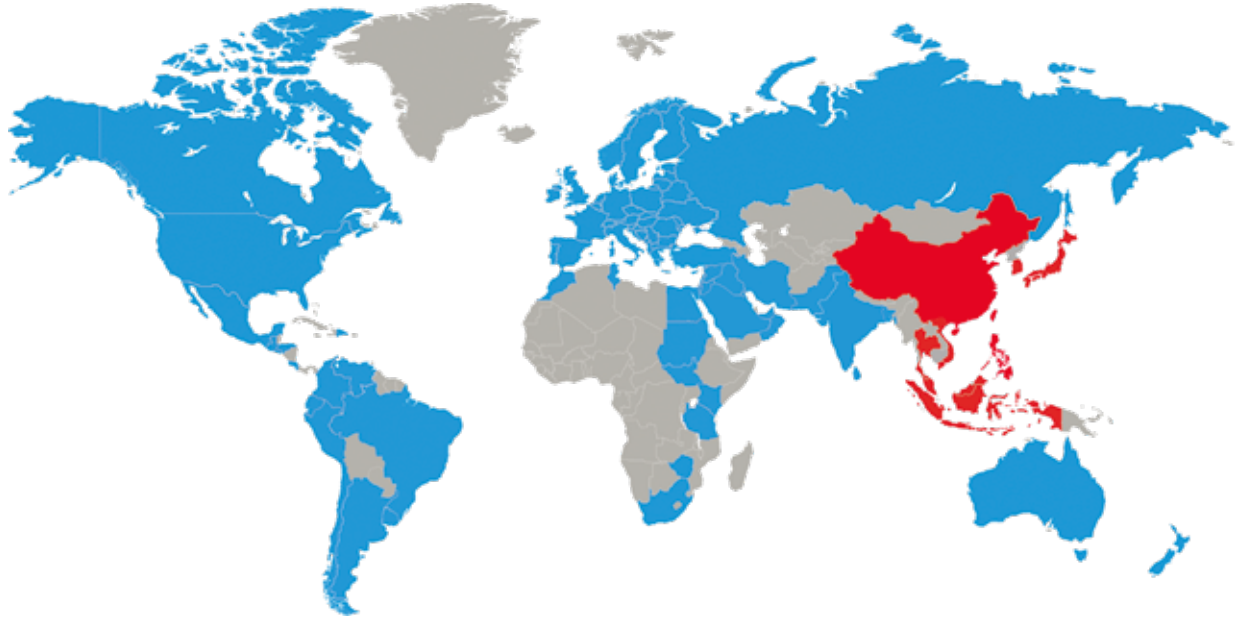
## SUPERIOR TOOLING SOLUTIONS

# A ONE-STOP SHOP



ASSAB is a one-stop product and service provider that offers superior tooling solutions. In addition to the supply of tool steel and other special steel, our range of comprehensive value-added services, such as machining, heat treatment and coating services, span the entire supply chain to ensure convenience, accountability and optimal usage of steel for customers. We are committed to achieving solutions for our customers, with a constant eye on time-to-market and total tooling economy.





Choosing the right steel is of vital importance. ASSAB engineers and metallurgists are always ready to assist you in your choice of the optimum steel grade and the most suitable treatment for each application. ASSAB not only supplies steel products of superior quality, but we also offer state-of-the-art machining, heat treatment, surface treatment services and additive manufacturing (3D printing) to enhance your tooling performance while meeting your requirements in the shortest lead time. Using a holistic approach as a one-stop solution provider, we are more than just another tool steel supplier.

In Asia Pacific, ASSAB anchors the distribution network for Uddeholm, a Swedish tool steel manufacturer with more than 350 years of experience in the tool steel industry. Both are integral parts of voestalpine AG, a prominent Austrian-based company listed on the Vienna Stock Exchange since 1995. Together, we establish ourselves as a key player in the steel and technology sector, with a diverse range of products and services.

For more information, please visit:

[www.assab.com](http://www.assab.com)

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