



Changing the game with cutting edge technology

Uddeholm Tool Holder Concept

**YOUR FASTEST WAY
TO FIRST PLACE**





Developed specially for the extreme working conditions of drilling, milling and turning applications.



SPECIALIZED STEEL GRADES WITH SUPERIOR QUALITY

MACHINING MADE EASY

The products in the Uddeholm Tool Holder Concept are the profitable guarantee for time-saving efficiency when shaping your tool bodies and chucks.

FOR YOUR BENEFIT

The driving force behind our research and development is always to enhance your competitiveness and strengthen your business. Our close collaboration with leading tool

and tool holder manufacturers has had one clear goal in mind from the start. To provide the market with a new generation of unique, specialised steel grades that last longer and lower production costs.



Uddeholm Idun

MEET OUR NEWEST SHINING STAR

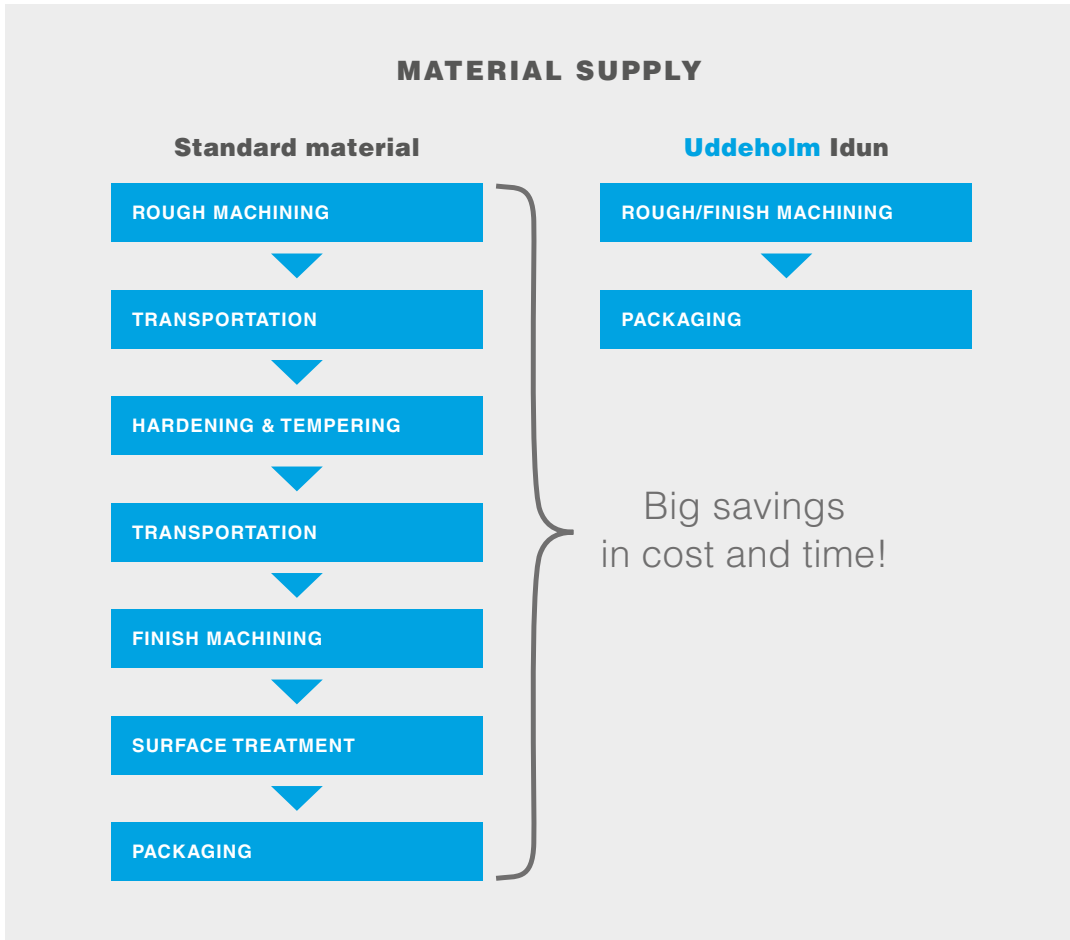
Uddeholm Idun is the world's first patented corrosion resistant tool holder steel. It is delivered in pre-hardened condition and provides the possibility to start machining the finished part directly.

WHEN TIME IS WHAT MATTERS

REVOLUTIONIZING THE TOOL HOLDER MARKET

Uddeholm Idun shares the superior qualities that always accompany the members of the Uddeholm Tool Holder Concept - meeting your requirements on durability while still being good to machine. Now we offer you even more: a possibility to change the game

with a corrosion resistant steel grade that is delivered in pre-hardened condition. Making production a one-stop-shop where heat treatment and coatings will no longer be necessary. A safe and reliable fast forward button to your finished product.





PROFITABLE SOLUTIONS

IMPROVING TOTAL TOOLING ECONOMY

With our specialised steel grades we offer a beneficial shortcut that makes a big difference for your business.

All the products in the Uddeholm Tool Holder Concept meet your requirements on durability while still being good to machine - a key factor in production with high demands. The combination of the best cutting tool materials on the market and the leading tool holder

steel grades makes it possible for your customers to increase productivity and be confident that their tools will last longer. A new bid to satisfy the demand for superior quality, easy-to-machine tool holder materials.

A corrosion resistant fast forward button

Uddeholm Idun

Uddeholm Idun is the world's first patented corrosion resistant tool holder steel. It is delivered in pre-hardened condition and provides the possibility to start machining the finished part directly. With Uddeholm Idun you can skip the long and costly process of hardening, surface treatment and the transportation in between that is normally required with standard materials. It shortens tool making lead time and improves tool holder durability. It is perfect for custom made tool holders, cutters and drills.

Uddeholm Idun in short

- ✓ First corrosion resistant tool holder grade on the market
- ✓ Very high dimensional stability
- ✓ No heat treatment needed
- ✓ No corrosion protective surface treatments needed
- ✓ Good machinability
- ✓ High wear resistance

Designed to shorten lead times

Uddeholm Bure

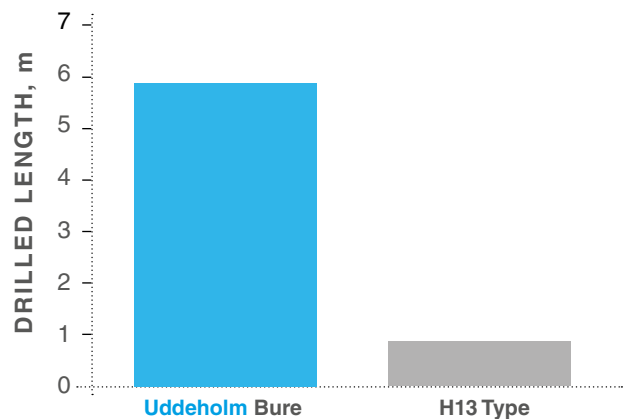
Uddeholm Bure has been setting the standard in tool holder steel for over a decade. This superior high-strength steel both shortens tool making lead times and improves tool holder durability in severe working conditions. With its combination of excellent machinability and very good mechanical properties at elevated temperatures, the steel is particularly suited for induction hardening and can be PVD-coated without reducing the hardness of the tool. It is perfectly suited for indexable insert drills, milling cutters, chucks and tool tapers.



Uddeholm Bure in short

- ✓ Very good machinability
- ✓ Good high-temperature strength and fatigue resistance
- ✓ Good resistance to abrasion at high and low temperatures
- ✓ Good through-hardening characteristics, can be air hardened
- ✓ Very little distortion during hardening
- ✓ Good ductility and toughness

GUN-DRILLING OF COOLING CHANNELS
IN SOFT ANNEALED MATERIAL



High performance from start to finish

Uddeholm Balder

Uddeholm Balder is the ultimate tool steel for products with high demands on strength and resistance. For tool users it brings the benefits of lower costs and a longer, more predictable tool life. Uddeholm Balder is supplied in pre-hardened condition and offers a reliable way to shave valuable

time off your production process. Its superb machinability paired with excellent mechanical properties guarantees both longer and better performance. It is the optimal steel choice for both milling cutters, drills and tool tapers working with demanding materials and applications.



Uddeholm Balder in short

- ✓ Excellent machinability in hard conditions
- ✓ Superb high-temperature strength
- ✓ Very good temper resistance
- ✓ Good fatigue resistance
- ✓ Good resistance to abrasion at both low and high temperatures
- ✓ Good toughness and ductility
- ✓ Suitable for coating



CHANGING THE GAME

DEVELOPED WITH THE PURPOSE TO SAVE TIME

The specialized steel grades in the Uddeholm Tool Holder Concept are your fastest way to first place.

UDDEHOLM TOOL HOLDER CONCEPT PROPERTY COMPARISON

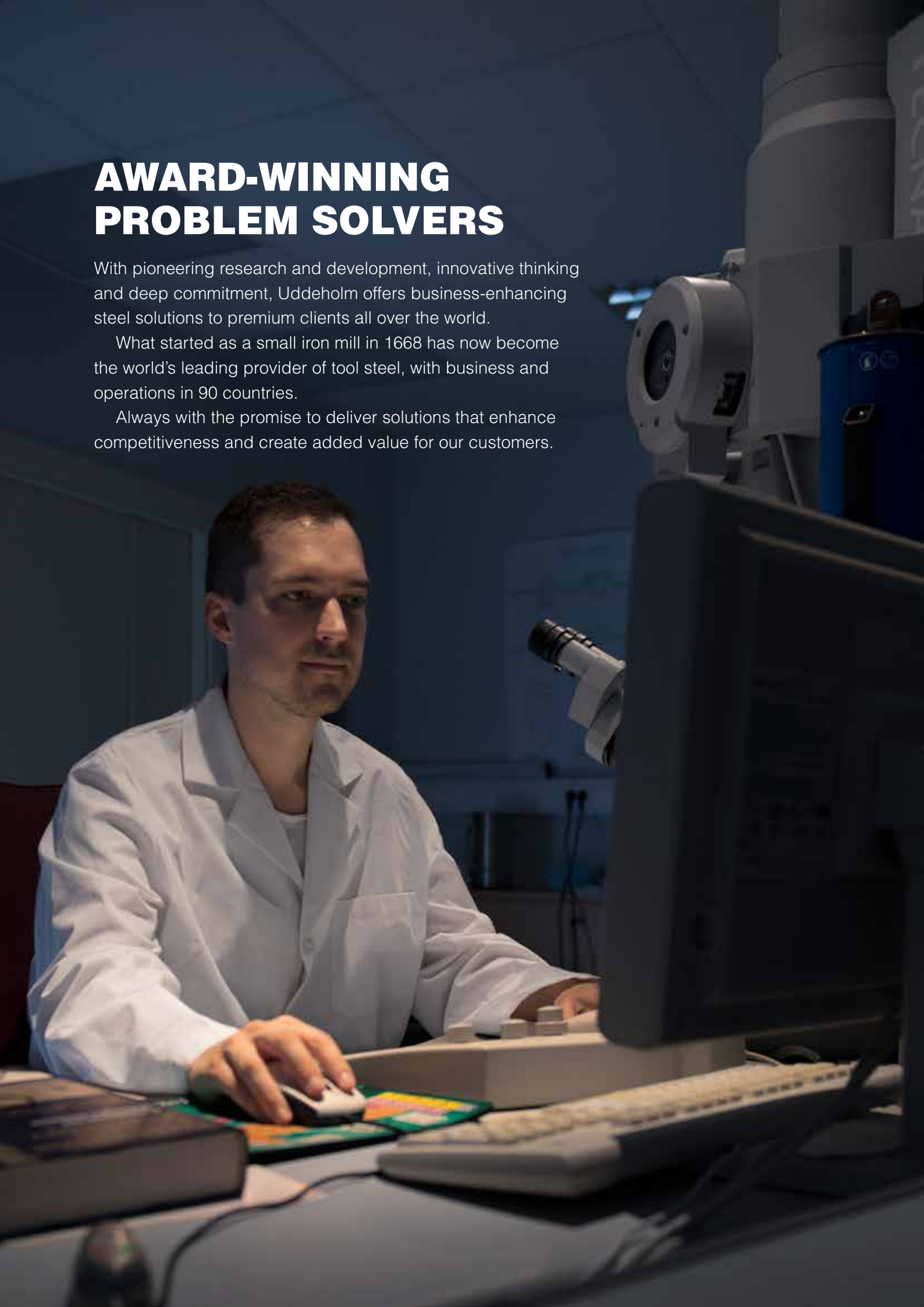
	Uddeholm Bure	Uddeholm Balder	Uddeholm Idun	P20 Type	H13 Type
FATIGUE & HOT STRENGTH					
WEAR RESISTANCE					
MACHINABILITY PRE-HARDENED					
DIMENSIONAL STABILITY AND COATING SUITABILITY					
CORROSION RESISTANCE					
TIME TO MARKET					

AWARD-WINNING PROBLEM SOLVERS

With pioneering research and development, innovative thinking and deep commitment, Uddeholm offers business-enhancing steel solutions to premium clients all over the world.

What started as a small iron mill in 1668 has now become the world's leading provider of tool steel, with business and operations in 90 countries.

Always with the promise to deliver solutions that enhance competitiveness and create added value for our customers.



This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as a warranty of specific properties of the products described or a warranty for fitness for a particular purpose. Classified according to EU Directive 1999/45/EC.



SS-EN ISO 9001
SS-EN ISO 14001

#1 IN HIGH PERFORMANCE TOOL STEEL

Since 1668 we have been providing a wide range of innovative cutting-edge solutions for our customers in demanding segments. Our dedicated employees work in almost ninety countries and together we deliver improved competitiveness to clients worldwide. Welcome to Uddeholm, #1 in high performance tool steel.