



combi wear parts

move the earth





# move the earth

Combi Wear Parts has manufactured wear parts for excavators and loaders since the beginning of the 1930s and during the years, has built up a comprehensive knowledge bank. This knowledge and experience, together with the ability to take advantage of new technologies, means that we continuously develop world class products. Our ambition is to always work closely with our customers and actively contribute towards improving their productivity and profitability.

We export to countries throughout the world and have our own representatives on all inhabited continents, making us a true global player in the construction, mining and dredging industries.

Combi Wear Parts is one of the few companies on the global market that develops its own patented wear parts systems for the construction, mining and dredging industries. Our first patented system, B-LOCK, was introduced as early as the 1960s, and many customers still use the system today.

Combi Wear Parts is quality assured in accordance with ISO-9001:2000, a guarantee that the products always maintain a high and uniform quality.



## WHY CAST STEEL FROM SWEDEN?

Steel has been cast for centuries in Sweden. Generation after generation has improved casting techniques, and today Swedish steel castings are among the best in the world. As we only use steel with the best material properties, it is natural that we continue producing and developing our products here in Sweden.

Our products are cast using the shell casting technique, which gives a good surface finish and the best possible tolerances for optimal fit between tooth and adapter.

**Environment focus and recycling** Sweden has some of the most stringent environmental regulations on steel production in the world. From an international perspective our production plant in Ljungby is one of the best with regards to providing a healthy and safe working environment for the employees and with the least environmental impact. We have eliminated all heavy manual lifting in our production by investing in roller tables and lifting devices. In order to protect the outdoor environment we ensure

that dust content from casting, sand blasting and cleaning is negligible.

In order to minimize waste in production, we recycle spent wear parts by adding them to the smelts.

Our environment management system is certified according to SS-EN ISO 14001.

## GUARANTEED EFFICIENCY AND ECONOMIC OPERATION



### **Guaranteed quality**

Wear parts are often exposed to extreme conditions and work in the most shifting environments and temperatures. This calls for the highest level of wear resistance and is why our products are manufactured with special cast steel with a hardness of at least 520 Brinell

Should one of our products for any reason fail or break under normal operational conditions we will immediately send a replacement part. Our philosophy is to always put the needs of the customer first.

### **Cost efficiency**

Machines with worn or blunt teeth need to use more force to penetrate and achieve results which makes them less productive.

In brief, less power equals less fuel consumption. It is therefore important that the machine uses the right wear part for the right application and that the teeth remain sharp. Our teeth are self-sharpening and up to 70 % of the tooth can be used before replacement is needed.

The teeth from Combi Wear Parts are designed for maximal penetration and durability during the entire lifespan, which means improved fuel economy and less strain on the machine. Overall, this means our products help companies run a more productive and cost efficient operation.



## – the innovative system

Our most recent wear parts invention, ProClaws, has numerous unique features. For instance, the system is designed to more efficiently absorb the impact forces it is being exposed to. ProClaws has been designed so the teeth maintain maximum sharpness the whole time they are in operation. The system has a very slim profile for optimal penetration. The coupling geometry has been simplified yet strengthened and the tooth slides into place with minimal

effort. The assembly is held in place by a vertical top-mounted locking device which reflects the market demand and optimal design from an engineering standpoint.

Another new and unique feature is the wear indicator. The tooth, adapter and lock have all been equipped with this wear indicator to signal when the part is no longer performing optimally and is due

for a change. Utilizing the wear indicators will prevent failure or breakage of parts, minimize down time and improve safety.





## – the reliable system

Combi Parts is a well known and reliable wear part system for all applications in the construction industry. In each size there is a Combi product to fit the application. The system has a wide range and fits nearly all excavator and loader models on the market. Our reliable and robust design has made Combi Parts a success all over the world.

Combi Parts are designed to be as maintenance free and reliable as possible. The system is cost effective and both the teeth and adapters are made to withstand maximum impact and wear. Together with the patented lock and unique coupling geometry Combi Parts form a system which has evolved and been consistently fine tuned since the 1980s.



# COMBI WEAR PARTS AND THE OCEAN

Combi Wear Parts has designed and developed wear parts systems for dredging applications since 1979. The systems are used to dredge harbours and shipping channels all around the world. As the bottom conditions can vary greatly and at times be very extreme, the teeth may need to be changed several times per hour.

The operating cost of a dredging vessel is high and relying on a cost efficient, long lasting wear part system is a crucial part of running

and finishing large dredging projects on time and on budget.

In 2003 Combi Wear Parts launched a completely new Dredging system, T-SYSTEM, which focuses on maximizing lifespan, safety and user friendliness. The system offers numerous benefits compared with previous systems:

- The teeth are held in position by a patented bolted joint, which significantly reduces the time for tooth replacement.

- The share of wear material in the total weight of the tooth has increased with 40%.
- The adapter also has a stronger coupling geometry and can be used five times longer before replacement.
- The teeth weigh less and are safer to handle onboard vessels.

Since its introduction many of the world's largest dredging companies are today using our T-SYSTEM.



## GOOD SUPPORT CREATES TRUST

It is our duty to our customers to make sure our parts help them run their machines as efficiently as possible. Via our network of dealers on all continents we make sure that our customers always have a full range of spare parts and new products for immediate delivery. Personnel from Combi Wear Parts make sure that our dealers are well trained on our complete product line so that the dealer in turn can give their customers the support they need. Our dealers are the vital link between us and the end-user in the field and are essential in providing service and providing feedback from the market for future improvements.

Our customers can rely on our help and support. This includes everything from basic in-field advice to more complex help with design and development and cost-efficiency analysis. Thanks to our globally spanning network of subsidiaries and dealers we are able to follow the product and stay committed to our customer. We do this by providing immediate on-site service and make sure our products help our customers achieve better result faster at a lower cost wherever in the world they might be operating.

### **Inventory in every corner of the world**

We have strategically located warehouses in Sweden, Germany and the US to shorten lead times and give our global dealers the availability and service they deserve and require.



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



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