

Raex® News



ABRASION RESISTANT
STEEL FOR DEMANDING
PRODUCTS

Raex®: Highly machinable

Despite the high hardness of Raex® steels, processing is easy when following instructions. Machinability is one of the steel's key properties, and machining wear-resistant Raex® steel is easily done with different methods like drilling, milling, turning or sawing. Raex® can be machined easily when the correct tools and parameters are used.

[Download the Bending and Machining brochure here](#)



Preparation is the key to great results

As in many other processing methods, preparation is crucial in machining as well. The work piece should not move, and the machine should be rigid and stable. Choose a short tool in order to minimize vibration during machining. When machining thermally cut workpieces, grind the hardened zone out from the starting point. Discuss which tool is best for the job with your tool supplier and make sure that the requirements correspond to the hardness level of the material.



When drilling on-site

When Raex® is drilled on-site, a magnetic fastener is recommended because it enables rigid fastening and continuous feeding. When the drill goes through the plate, adjust the feed carefully to avoid breaking the drill. The drill must be attached very tightly into the drill chuck. Use cutting oil when drilling or machining. With the correct feed and cutting speed, drill wear and heat input to material can be controlled.



Machining tool lifetime

The lifetime of your machining tools depends on many factors. Tool lifetime will be shorter as material hardness increases, so it is essential to choose the correct tool for the different hardness levels – for example, Raex® 500 needs to be drilled with a different tool than Raex® 450. With incorrect drilling parameters, tool lifetime can be decreased drastically. Always check the parameters with your tool supplier in order to achieve the optimal lifetime for the tool.



Find your distributor



Raex[®] ABRASION
RESISTANT STEEL

Raex[®] offers a complete range of abrasion-resistant steels through the global Raex distribution network. With its dependable quality and reliable performance, it delivers great value for all your typical wear applications. Raex is manufactured by SSAB and sold through the global Raex distribution network.

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