The solution for quality blades

JADU® H1

THE SPECIAL-STEEL

In the past, the search was on for the optimum material for heavy-duty machine blades and consumables in the field of modern agriculture.

As a rule, the user can usually make a choice between a wear-resistant spring steel made of chromium or a tough steel made of boron. Due to their material, the spring steels are somewhat more susceptible to breakage when struck. On the other hand, boron steels have excellent durability; however they do not achieve the desired level of resistance to wear in all applications.

We have embraced this problem and together with a well-known European steel manufacturer, we have developed the special steel JADU-H1. This steel is now exclusively smelted for JÄKEL.

The JADU-H1 combines the excellent properties of hardness and wear, found in spring steels, with the excellent toughness of boron steels. Among other things, this is achieved through a balanced ratio of the alloy components. Resistance to wear has been increased through the formation of carbides and at the same time, brittle fracturing has been significantly reduced.

Both on test stands as well as in practice, the JADU-H1 has already demonstrated its strengths: Maximum hardness values, low levels of wear and excellent toughness!

We are happy to advise you according to your specific application. Feel free to contact us!

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