



Miilux® Ballistic Steel Centre

The safe handling of hard plates

Lifting:

Ensure that your lifting equipment is suitable for the handling of hard plates. Ordinary grippers, designed for engineering workshops, are only suitable for lifting plates which have a maximum hardness of 300 brinells. The hardness of Miilux® ballistic steels is between 320 and 640 brinells. Hard plates will not be properly gripped by ordinary grippers and therefore risk coming loose during the lifting process. We recommend lifting hard plates with screw clamps, chains, lifting magnets or lifting lugs.

Welding:

It must be noted that hardened Miilux® ballistic steels are sensitive to cracking during welding and, in practice, always require preheating (more detailed instructions are available from the Miilux® Protection welding recommendations and Miilux® customer service). This is a critical stage when welding lifting lugs, for example. If preheating is omitted, the lug may become detached from the plate during the lifting process.

Bending:

All ballistic steels must be bent using the recommended bending radii. It is recommended to use bending tools equipped with rolls. The use of sharp-edged tools, in particular, must be avoided. Bending must be completed with one press. Special care must be taken when bending of ballistic steel grades, bending must be carried out from the side of the machine, behind a safety mesh.

The risk of accidents can be decreased by following these instructions. However, special care must be taken whenever handling ballistic steels.

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