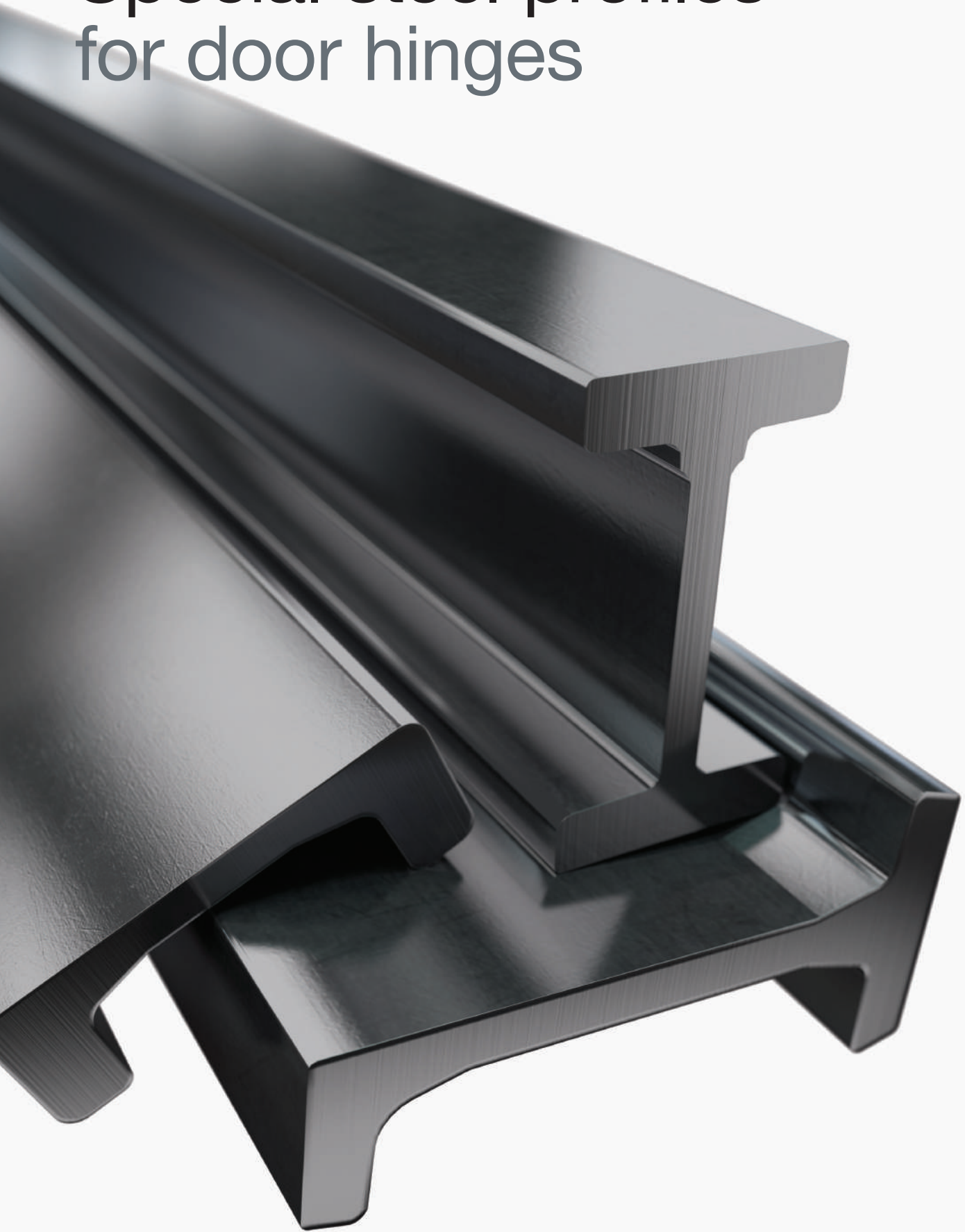


Special steel profiles for door hinges



VOLSTEEL

Company information

VOL Steel Middle East FZCO official supplier of hot rolled and cold drawn special steel profiles with the production plant in Russia.

Our production site in Russia, is a complete steel mill with its own steel-making furnaces, rolling mills, cold drawing benches and milling machines. Modern production equipment and rich experience gathered through decades cover the production process on all stages of the value chain and provide a unique capability to control quality of manufactured products and adjust their properties, if required.

Steel melting furnaces and modern rolling mills, in particular, represent our main competitive advantage, which enables us

not only to manufacture special profiles with high accuracy and defect free surface, but also to choose freely between wide range of steel grades and modify their chemical composition, in case if customer requires specific properties of material that are no delivered by standard grades.



Surface roughness: Ra < 2.5 µm



Precision: from h12 to h9



Cross section:
from 10 mm² – 6500 mm²



Length: from 2 m to 12 m,
or in 800 kg coils




Special steel profiles for door hinges

As parts of the car body, door hinges underlie strict requirements from the side of OEMs in regards to the geometry, surface quality and mechanical properties. Thanks to the extensive expertise in this field VOL Steel Middle East FZCO is able to provide producers of door hinges with high quality hot rolled profiles that will not only meet standard requirements but will also help customers to reduce their processing costs.


The key to the optimization of processing costs is our ability to adjust chemical composition of steel grades in order to

improve machinability and leave mechanical properties untouched. Our specially developed modified grades show up to 4 times better results on such processing steps, as milling and drilling, in comparison with standard S355J0 grade. This allows not only to save on tooling costs, but also to reduce electricity consumption and to extend maintenance intervals of the equipment.


Main advantages of VOL Steel Middle East FZCO profiles:


 Shape tolerances up to 0,6 mm

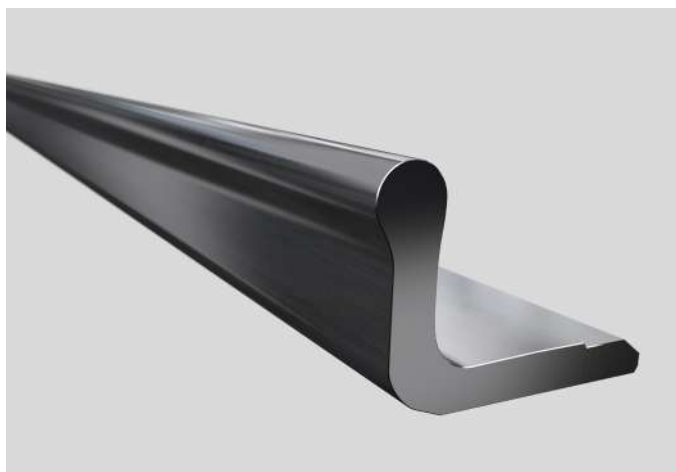
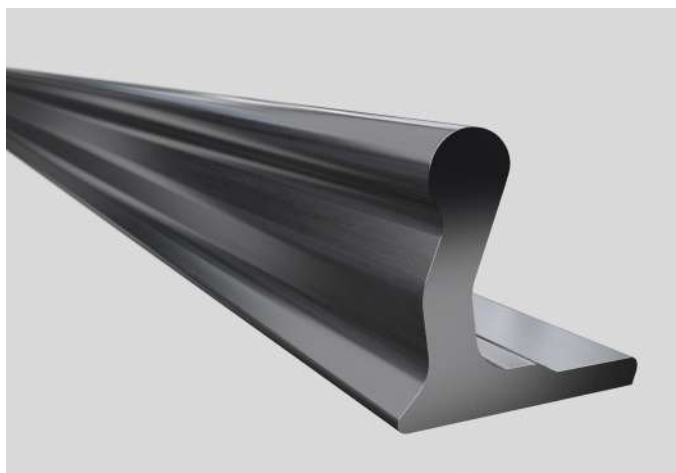
 High quality surface

 Modified steel grades that save processing costs

 Bar length between 6 and 12 meters

 Profile size from 2 to 30 kg

 Single and double profiles





VOLSTEEL

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