

item

Press Release

© item Industrietechnik und Maschinenbau GmbH
Friedenstrasse 107-109 D-42699 Solingen
Tel.: +49/ 212/ 65 80 300 Fax: +49/ 212/ 65 80 310
✉ info@item-international.com
www.item-international.com

Date of last save: Solingen, 12.09.2006
Number of pages: 2
Number of words: 470
Number of characters: 2973

Pressekontakt: Nicole Grewer
Tel.: +49/ 212/ 65 80 322
✉ n.grewer@item-international.com

Style meets steel – item's MB Building Kit System expands its field of application with steel profiles

Special-purpose applications require special materials: corrosion resistant stainless steel in the shape of the tried-and-tested Profiles 8 in the item MB Building Kit System opens up a whole new world of application opportunities in the construction of production equipment. The Line 8 St Profiles combine the unique flexibility of the Building Kit System with a new quality of material:

Corrosion resistant and insensitive to high temperatures

Stainless steel (V2A = B.S. 304) is ideal for many applications as it is resistant to both acids and chemicals. Its physiological properties are also completely neutral so it is also suitable for contact with food. The smooth surfaces are easy to clean and are highly attractive. Even temperatures of 200°C and above will not adversely affect the rigidity of the profiles and fastening elements.

High load-bearing capacity and resistance to vibration

Steel as a material remains extremely tough when loads reach peak levels. The high tensile strength of the material provides additional resistance to fractures. The material is fatigue-proof when subjected to vibrations over long periods.

Conductive profile joints with tried-and-tested joint technology

The modular benefits of the Building Kit System are exploited in full: without the need for specialist knowledge or special tools, complex constructions can be designed and built in a remarkably short time. The handling of the fasteners can be learned very quickly - they are easy and quick to fit and work reliably. Conductive materials and surfaces reduce the effort required in ensuring earth contacts and conductive discharge, while the rapid availability of all components minimises the number of parts you need to stock.

Where welding is absolutely essential for special cases, this can be easily done

An additional feature is that the profiles can be easily welded. If required, the profiles can be welded to each other or to other elements used in the overall construction in such a way that they are permanently joined. In this way, intelligent constructions incorporating a mix of steel and profile technology are possible.

Compatible with the components in the item MB Building Kit System

The St 8 profiles are designed to complement the full-scale MB Building Kit System made by item. The modular components have been designed to be fully compatible with this series of steel profiles. As a result, all the key, tried-and-tested components in Line 8 can be used without restriction in combination with these profiles.

Special-purpose accessories for Profiles St 8 expand the fields of application of this new line. These components match the stainless steel profiles both in the choice of material and in

terms of their load-bearing capacity. The material's resistance to corrosion and mechanical properties were key factors in the design of the parts.



item Industrietechnik und Maschinenbau GmbH, based in Solingen, Germany, is the developer and supplier of the MB Building Kit System which provides individually designed solutions to all aspects of industrial equipment engineering. The Building Kit System is based on a series of aluminium profiles, a series of matching fastening techniques and numerous functional elements.