

# item

## Press-information

Released for publication

© 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](mailto:info@item-international.com)  
[www.item-international.com](http://www.item-international.com)

Date of last save: Solingen, 05.07.2006  
Number of pages: 2  
Number of words: 492  
Number of characters: 3.329

**Pressekontakt: Nicole Grewer**  
Tel.: +49/ 212/ 65 80 322  
✉ [n.grewer@item-international.com](mailto:n.grewer@item-international.com)

### The new C-profile System 8

The C-profile System 8 is a completely new guide system developed for use with the Series 8 (40x40 mm) item MB Building Kit System. Item has drawn on several years of experience in building linear technology, in particular the Dynamic Elements of the MB System. The C-profile system is designed to be fully compatible with the existing modular dimensions and the system groove 8 for connecting to profile constructions. An aluminium C-profile is used to house the bearing elements needed for compact guides, sliding doors, sliding safety guards etc.

The outstanding feature of the C-profile system 8 is its versatile adaptability to individual guide applications: where the load is slight or demands on precision running less strict, plastic rollers are placed directly into the aluminium profile. Where loads are greater, a guide rail made of hardened, ground and polished steel is clamped into the C-profile, and double ball-bearing steel rollers ensure smooth, precision running action. The top-of-the-range version includes guide slides containing three rollers each, the central one of which is also in contact with a second rail via an eccentric setting mechanism to eliminate play. This enables the load rating to be increased still more and the slide can also be positioned extremely accurately.

The aluminium profiles which make up the C-profile systems 8 are designed in such a way that various elements may be combined with each other and other units built on. One particular combination worthy of note involves combining two C-profiles in series below or beside one another. This enables large traverses to be covered with relatively short sections. Telescopic rails or opposing drawer rails etc. are thus easily created. It is also possible to use several C-profiles parallel to one another within the modular dimensions enabling slides to pass each other without interference, for example.

The bearing units for the C-profile system are all available as ready-made assemblies enabling rapid building of functional units. It is also possible to custom-build the slide units required by combining sets of bearings and slide profiles to suit specific customer requirements. This ensures that the overall impression of the moveable units is attractive and any potential hazards effectively dealt with.

Figures:  
(See enclosed file "Pictures")



Fig. 1: Quality guides – The new C-profile system is not only for sliding doors.  
(pict1\_cs.tif)

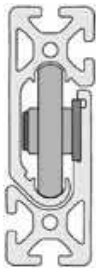


Fig. 2: Plastic rollers – Economical solution where loads are low. (pict2\_cs.tif)

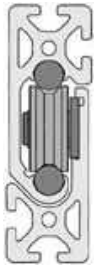


Fig. 3: For more demanding applications – steel rollers and rails, high load ratings and optimum precision. (pict3\_cs.tif)

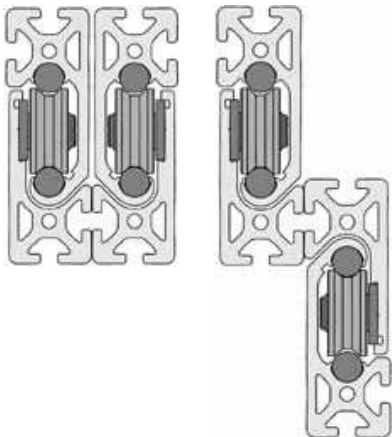


Fig. 4 and Fig. 5: Possible combinations the compact design enables telescopic rails and opposing drawer rails. (pict4\_cs.tif and pict5\_cs.tif)