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Press-information

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Shaft-Clamp Profiles make the use of modular Dynamic Elements possible on any base

In order to provide all the benefits of the MB Building Kit System in conjunction with any base, item have developed special Shaft-Clamp Profiles for attaching their modular Dynamic Elements.

The MB Building Kit System by item contains a whole range of elements for use by designers in developing a complete machine, a jig or a work station quickly and efficiently. There were, however, restrictions: e.g. where a machine bed made of cast iron already exists or if an existing steel girder system cannot to be interrupted.

New opportunities in designing work stations

In order to make it possible to attach the modular Dynamic Elements that comprise the MB Building Kit System to any other substructure, item have developed the Shaft-Clamp Profiles D14 Universal. Using the Clamp Profiles so that the shafts run either vertically or horizontally, the Guide Shafts D14 can be attached to any substructure, whether it is a steel girder, cast base or machine bed.

The innovation really comes into its own in the design of work stations: Moveable jigs that have to be mounted on a table, or transport systems for workpiece carriers between interlinked work stations can be put into practice on any existing surface.

Can be attached to virtually any level surface

Shaft-Clamp Profiles D14 Universal enable item Roller Guides D14 to be used even if there is no existing profile groove, because the aluminium profiles have been designed to be attached to virtually any level surface. The Roller Guides thus formed will even compensate for angular misalignment between the two surfaces, provided the distance between the two shafts remains absolutely constant, in order to guarantee smooth running and even loading on the slide.

The slide itself is made up of Bearing Units D14 from the Dynamic Elements Series, and all other components in the Building Kit System can then be attached to this. The sturdy Rollers on the slide can either be clamped between the shafts in such a way that they are play-free or mounted vertically standing on the shafts



Shaft clamp profile Universal D14H fixed on working plate.
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