

### ***Slide rails with fixing bolts and tensioning screws to DIN 42923***

Slide rails are used to tension the belt of a machine easily and conveniently when a belt tightener is not available. They are fixed to the base using stone bolts or foundation blocks.

The assignment of slide rails to motor size can be found in DIN 42923. For motors of frame sizes 355 to 450, there are no standardized slide rails (please inquire).

Available from:

Lütgert & Co. GmbH  
Postfach 42 51  
33276 Gütersloh, Germany  
Tel. +49 (0)5241-7407-0  
Fax +49 (0)5241-7407-90

<http://www.luetgert-antriebe.de>  
e-mail: [info@luetgert-antriebe.de](mailto:info@luetgert-antriebe.de)

### ***Foundation block acc. to DIN 799***

The foundation blocks are inserted into the stone foundation and embedded in concrete. They are used for fixing machines of medium size, slide rails, pedestal bearings, baseframes, etc. After the fixing bolts have been unscrewed, the machine can be dragged without it having to be lifted.

When the machine is initially installed, the foundation block that is bolted to the machine (without washers) and fitted with taper pins is not embedded with concrete until the machine has been fully aligned. In this case, the machine is positioned 2 to 3 mm lower. The difference in shaft height is compensated by inserting shims on final installation. The taper pins safeguard the exact position of the machine when it is repeatedly removed and replaced without the need for realignment.

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### ***Taper pins to DIN 258 with threaded ends and constant taper lengths***

Taper pins are used for components that are repeatedly removed. The drilled hole is ground conical using a conical reamer until the pin can be pushed in by hand until the cone shoulder lies 3 to 4 mm above the rim of the hole.

It can then be driven in using a hammer until it is correctly seated. The pin is removed from the drilled hole by screwing on the nut and tightening it.

Standardized taper pins are available from general engineering suppliers.

Source, for example:

Otto Roth GmbH & Co. KG  
Rutesheimer Straße 22  
70499 Stuttgart, Germany  
Tel. +49 (0)7 11-1388-0  
Fax +49 (0)7 11-1388-233

<http://www.ottoroth.de>  
e-mail: [info@ottoroth.de](mailto:info@ottoroth.de)

### ***Couplings for use in hazardous areas***

The motor from Siemens is connected to the machine or gear unit through a coupling. Flender is an important coupling manufacturer with a wide range of products. For standard applications, Siemens recommends that elastic couplings of Flender types N-Eupex and Rupex or torsionally rigid couplings of types Arpex and Zapex are used. For special applications, Fludex and Elpex-S couplings are recommended. These coupling types are suitable for use in areas subject to explosion hazards and are offered with declaration of conformity and type test certificate according to directive 94/9/EU.

Source of supply:

Siemens contact partner – ordering from Catalog  
Siemens MD 10.1 "FLENDER Standard Couplings"

or

A. Friedr. Flender AG  
Kupplungswerk Mussum  
Industriepark Bocholt  
Schlavenhorst 100  
46395 Bocholt, Germany  
Tel. +49 (0)2871-92 2185  
Fax +49 (0)2871-92 2579

<http://www.flender.com>  
e-mail: [couplings@flender.com](mailto:couplings@flender.com)