

## Modular technology

The components of modular technology can be ordered as accessories. The brake, as a safety-related module, must not be retrofitted.

Cables for rotary pulse encoders can be ordered from Catalog DA 65.10.

### Mounting of rotary pulse encoder and separately driven fan for 1LA5, 1LA6, 1LA7 and 1LG motors

Version	Frame size	Number of poles	Order No.
<b>Rotary pulse encoder</b> <sup>1)</sup>	HTL version	71 ... 225	all
	TTL version	71 ... 225	all
<b>Separately driven fan</b> incl. mounting parts <sup>2)</sup>	100	all	2CW2 180-8RF54-1AB0
	112	all	2CW2 210-8RF54-1AB1
	132	all	2CW2 250-8RF54-1AB2
	160	all	2CW2 300-8RF54-1AB3
	180	all	2CW2 300-8RF54-1AB4
	200	all	2CW2 300-8RF54-1AB5
	225 <sup>3)</sup>	all	2CW2 300-8RF54-1AB6
	250	all	1PP9 063-2LA12-Z A11+K50 <sup>4)</sup>
	280	all	1PP9 063-2LA12-Z A11+K50 <sup>4)</sup>
	315	2	1PP9 070-2LA12-Z A11+K50 <sup>4)</sup>
	315	4 to 8	1PP9 063-2LA12-Z A11+K50 <sup>4)</sup>
<b>Separately driven fan</b> and rotary pulse encoder 1XP8 001-1 incl. mounting parts <sup>2)</sup>	100	all	2CW2 180-8RF54-2AB0
	112	all	2CW2 210-8RF54-2AB1
	132	all	2CW2 250-8RF54-2AB2
	160	all	2CW2 300-8RF54-2AB3
	180	all	2CW2 300-8RF54-2AB4
	200	all	2CW2 300-8RF54-2AB5
	225 <sup>3)</sup>	all	2CW2 300-8RF54-2AB6

### Slide rails with fixing bolts and tensioning screws acc. 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 335 to 450, there are no standardised 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 tapered 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 tapered pins safeguard the exact position of the machine when it is repeatedly removed and replaced without the need for realignment.

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33276 Gütersloh, Germany  
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Fax +49 (0)5241-7407-90

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

<sup>1)</sup> For motor series 1LG, the rotary pulse encoders are available on request. They are only available for motor series 1LA7 as accessories for spare parts.

<sup>2)</sup> The separately driven fan 2CW2 ... comprises a complete fan unit with impeller, the separately driven fan 1PP9 ... only comprises the fan motor without mounting components and impeller.

<sup>3)</sup> For 1LG motors with separately driven fan with Order No. 1PP9 063-2LA12-Z A11+K50 (weight 4.37 kg).

<sup>4)</sup> Only for replacement purposes.

### ***Taper pins acc. 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.

Standardised taper pins are available from general engineering suppliers.

Available from:

Otto Roth GmbH & Co. KG  
Rutesheimer Straße 22  
70499 Stuttgart, Germany  
Tel. +49 (0)711-13 88-0  
Fax +49 (0)711-13 88-233

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

### ***Couplings***

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 couplings are recommended.

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)

### ***Mounting of encoder***

In the case of mounting by the customer.

#### **Options H79, H80**

Baumer Hübner GmbH  
Planufer 92b  
10967 Berlin, Germany  
Tel. +49 (0)30-690 03-0  
Fax +49 (0)30-690 03-104

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

#### **Options H78**

Leine & Linde (Deutschland) GmbH  
Bahnhofstraße 36  
73430 Aalen, Germany  
Tel. +49 (0)7361-78 093-0  
Fax +49 (0)7361-78 093-11

<http://www.leinelinde.com>  
e-mail: [info@leinelinde.se](mailto:info@leinelinde.se)