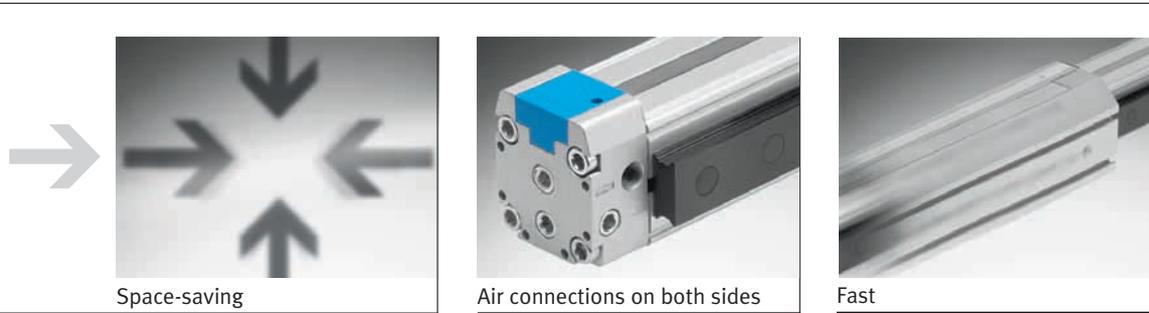


Rodless drive with integrated displacement encoder

DGPI/L

Systematically more dynamic!



Plenty of power in a minimum of space: highly dynamic with convincing positioning precision.



Based upon the highly successful DGP/L

The rodless linear drive DGPI/L with integrated contactless displacement encoder. Powerful, fast and easy to install – for positioning tasks in conjunction with the SPC200, as well as for applications with Soft Stop. For use as an individual axis, in multi-axis combinations or in boom applications.

Highly dynamic, extremely economical

With maximum speeds of up to

3 m/s, maximum acceleration of 30 m/s² and positioning accuracy of 0.2 mm. Fast and reliable.

Highly economical

Soft Stop applications. Fast, vibration-free travel between 2 end-positions, or fast travel with up to 2 intermediate positions – with cycle times reduced by as much as 30 %.

Highly flexible

Thanks to a wide variety of mounting and attachment options, variable cushioning systems and

numerous options for adaptation to drives. Optional: Air connections at both ends and load inverter.

Exceptionally space-saving and easy to install

Thanks to the integrated displacement encoder, especially for boom operation.

Guaranteed long service life

The magnetostrictive displacement encoder is contact free, and is thus not subject to wear and tear.

143.1.PSI →

Product Short Information

Rodless drive with integrated displacement encoder DGPI/L



Modern drives – systematically economic*

Features

- Double-acting linear drives with integrated displacement encoder including driver or slide and adjustable end-position cushioning
- Diameters: 25 to 63 mm
- Stroke lengths: 225 to 2000 mm
- Greater flexibility thanks to various mounting and assembly options on the:
 - Driver
 - Slide
 - Profile barrel
- Variable end-position cushioning systems
- Wide range of options for mounting to drive units

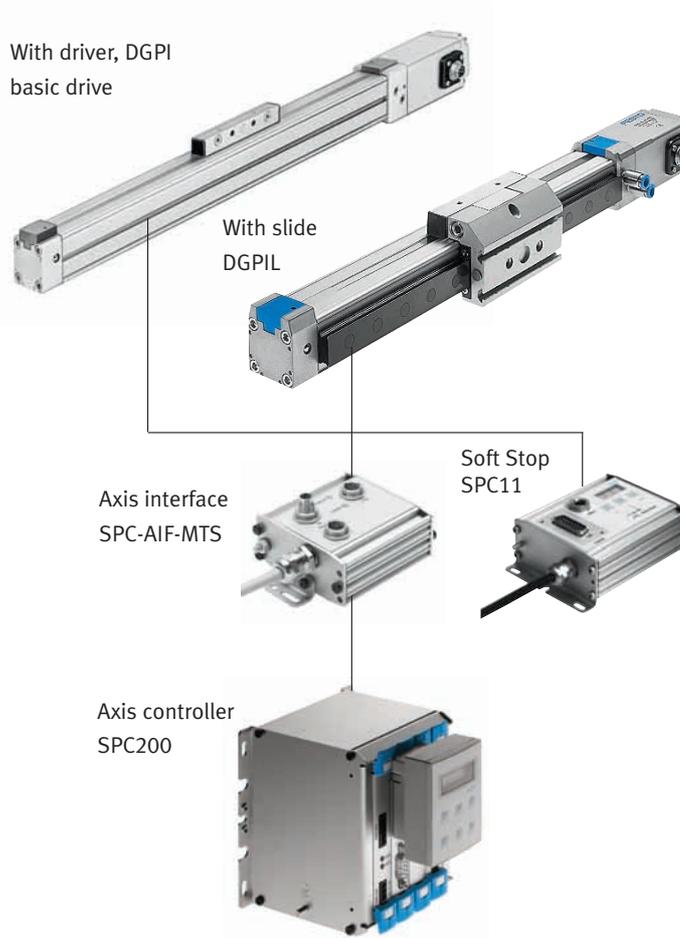
Options

- Recirculating ball bearing guide
- Protected version
- Air connections on both sides
- Load inverter

Software tools on CD ROM:

Pro Drive

System components



Technical Data

Pneumatic linear drives with integrated displacement encoder		Type	DGPI / DGPI L				
Sizes (piston dia.)		[mm]	25	32	40	50	63
Operating pressure		[bar]	4 ... 8				
Design	Basic drive DGPI		Pneumatic linear drive with driver and displacement encoder				
	with slide DGPI L		Pneumatic linear drives with slide and displacement encoder				
Guide	Basic drive DGPI		-				
	with slide DGPI L		Recirculating ball bearing guide				
Positioning accuracy	with slide DGPI L	[mm]	≥0.2 m				
Size		[mm]	25	32	40	50	63
Max. permissible speed	Basic drive DGPI	[m/s]	1				
	with slide DGPI L	[m/s]	3				
Nominal stroke		[mm]	225 ... 2000				

Festo AG & Co. KG

Ruiter Strasse 82
73734 Esslingen
Internet www.festo.com
Tel. ++49 (0)711 347-0
Fax ++49 (0)711 347-2144
E-mail: service_international@festo.com