

Engineering Change Notification

DGST-16

Optimization of the guiding

FESTO



Engineering Change Notification

Project No
244332

Project Title
New guiding for
DGST-16

Date
October 24th, 2022

Reason of change

The guiding carriage of DGST-16 is longer and changed to a cage guiding to harmonize with the bigger sizes of mini slides. This is at the same time an optimization of the guiding for all DGST-16. The change minimizes the deflection of the slide under pressure while using cushioning elements (nod effect).

Technical changes

The guiding for DGST-16 will change from a recirculating ball bearing to cage guiding.

At the same time the connection between guiding carriage and slide will be enlarged.

Previous Version

Recirculating ball bearing guiding

Connection between guiding carriage and slide with four screws.

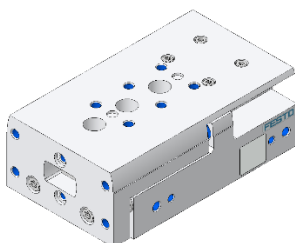
Future Version

Cage guiding

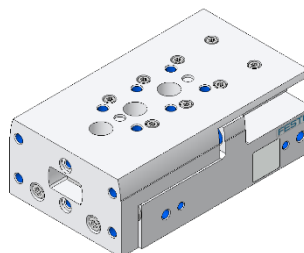
Longer guiding carriage

Connection between guiding carriage and slide with six to ten screws (amount depending on stroke).

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Example: DSGT-16-50



Example: DSGT-16-50

Known technical implications

- **Function**

improvement of technical values for deflection, moving mass and total weight of the actuator will be slightly higher

no known effect on the function, all variants and features still available

- **Environment**
no known effect on the environment
- **Interfacing**
no known effect on the costumer interfaces, same dimensions
- **Appearance**
visible difference due to more screws on top of the slide

Affected products

Part No	Type	Part No	Type
8073895	DGST-16- -	8085178	DGST-16-50-Y12A
8078853	DGST-16-10-E1A	8078858	DGST-16-80-E1A
8085130	DGST-16-10-PA	8085135	DGST-16-80-PA
8078854	DGST-16-20-E1A	8085179	DGST-16-80-Y12A
8085131	DGST-16-20-PA	8078859	DGST-16-100-E1A
8078855	DGST-16-30-E1A	8085136	DGST-16-100-PA
8085132	DGST-16-30-PA	8085180	DGST-16-100-Y12A
8085176	DGST-16-30-Y12A	8078860	DGST-16-125-E1A
8078856	DGST-16-40-E1A	8085137	DGST-16-125-PA
8085133	DGST-16-40-PA	8085181	DGST-16-125-Y12A
8085177	DGST-16-40-Y12A	8078861	DGST-16-150-E1A
8078857	DGST-16-50-E1A	8085138	DGST-16-150-PA
8085134	DGST-16-50-PA	8085182	DGST-16-150-Y12A

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Estimated transition date

According to our current project schedule, the change will be productive approximately

End of 2022 / 1st quarter 2023

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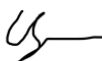
All products with “Made in China” on the packaging will be affected.

The Production side in Germany will implement the change later. We will inform about the transition date separately.

Please note that the transition date can vary due to the quantities on stock for the old variant for different stroke length and production needs.

Release

Esslingen – Germany, October, 24th, 2022



Tom Unger, UGR



Corporate Quality

Product Care