

Engineering Change Notification

DSBC-...-D3: Profile Cylinder DSBC with sensor slots on 3 sides
Introduction of product changes



Engineering Change Notification

ECN No
256 417

Reason of change

The DSBC-...-D3 cylinder is redesigned with an optimized profile design.

Additionally, with a new, two-piece wiper seal as well as a metal-polymer bearing, the performance of the DSBC-...-D3 is further increased.

Project Title
Change of DSBC-...-D3

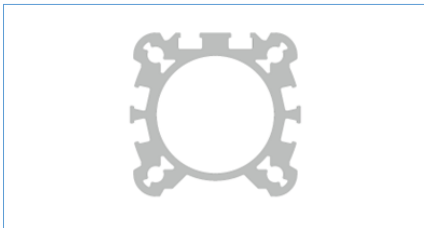
Date
April 5th, 2023

Technical changes

The product change includes three different characteristics:

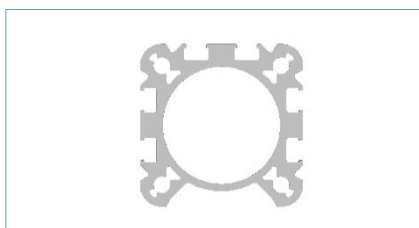
1. Previous Version

Profile design with tangentially arranged sensor slots on the left/right side



1. Future Version

Profile design with parallel sensor slots on all three sides



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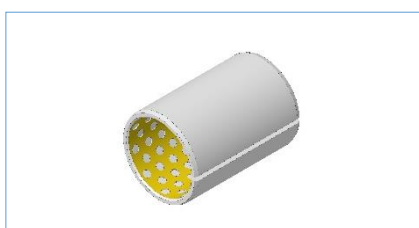
2. Previous Version

Bearing made of POM



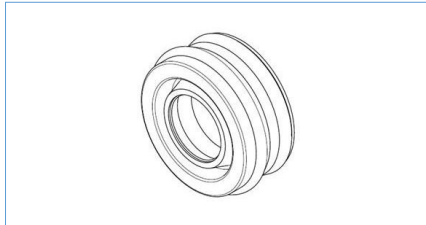
2. Future Version

Bearing made of composite materials steel, sintered bronze and POM coating



3. Previous Version

Wiper seal made of TPE-U



3. Future Version

Two-component wiper-seal made of TPE-U and TPE-E



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Known technical implications

- **Function**
The division of the "wiping" and "sealing" functions into the specialized components of the new wiper-seal does not affect the functionality of the cylinder
- **Form**
Parallel arranged sensor slots on all three profile sides
- **Environment**
The assessment of the changes shows no impact on the environment
- **Interfacing**
Restrictions may occur when inserting cylinder switches in the slot lengthwise at DSBC-32-...-D3

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Affected products

All part numbers of DSBC-...-D3 are affected.

Exceptions: Product configurations that include at least one of the following characteristics only will be designed with the new cylinder profile (change position 1). The bearing (change position 2) and wiper seal (change position 3) will not be updated:

Characteristic	Description
Q	With protection against rotation
L / U / L1	Running characteristics
C	Clamping unit
E1 / E2 / E3	End-position locking
T1 / T3 / T4	Temperature range
A1 / A2 / A3 / A6	Scraper variant
F1A	Special material properties
EX4	EU certification (ATEX)

Estimated transition date

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

**3rd Quarter 2023 regarding DSBC-...-D3 for Cylinder Ø32-63
and**

3rd Quarter 2024 regarding DSBC-...-D3 for Cylinder Ø80-125

Please note, that the transition date can vary due to technical reasons and production needs.

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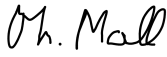
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Change of DSBC-...-D3

Date
April 5th, 2023

Release

Esslingen – Germany, April 5th, 2023

	
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