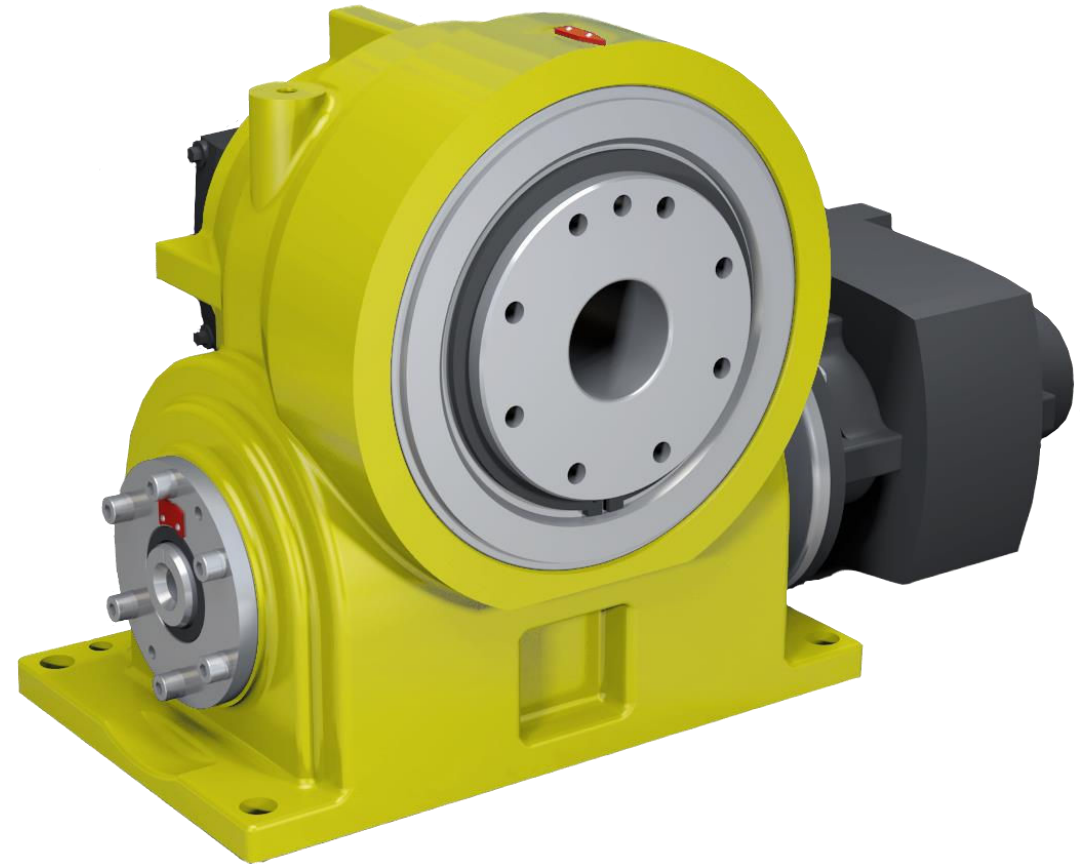


EXPERT-TÜNKERS EGV SERIES

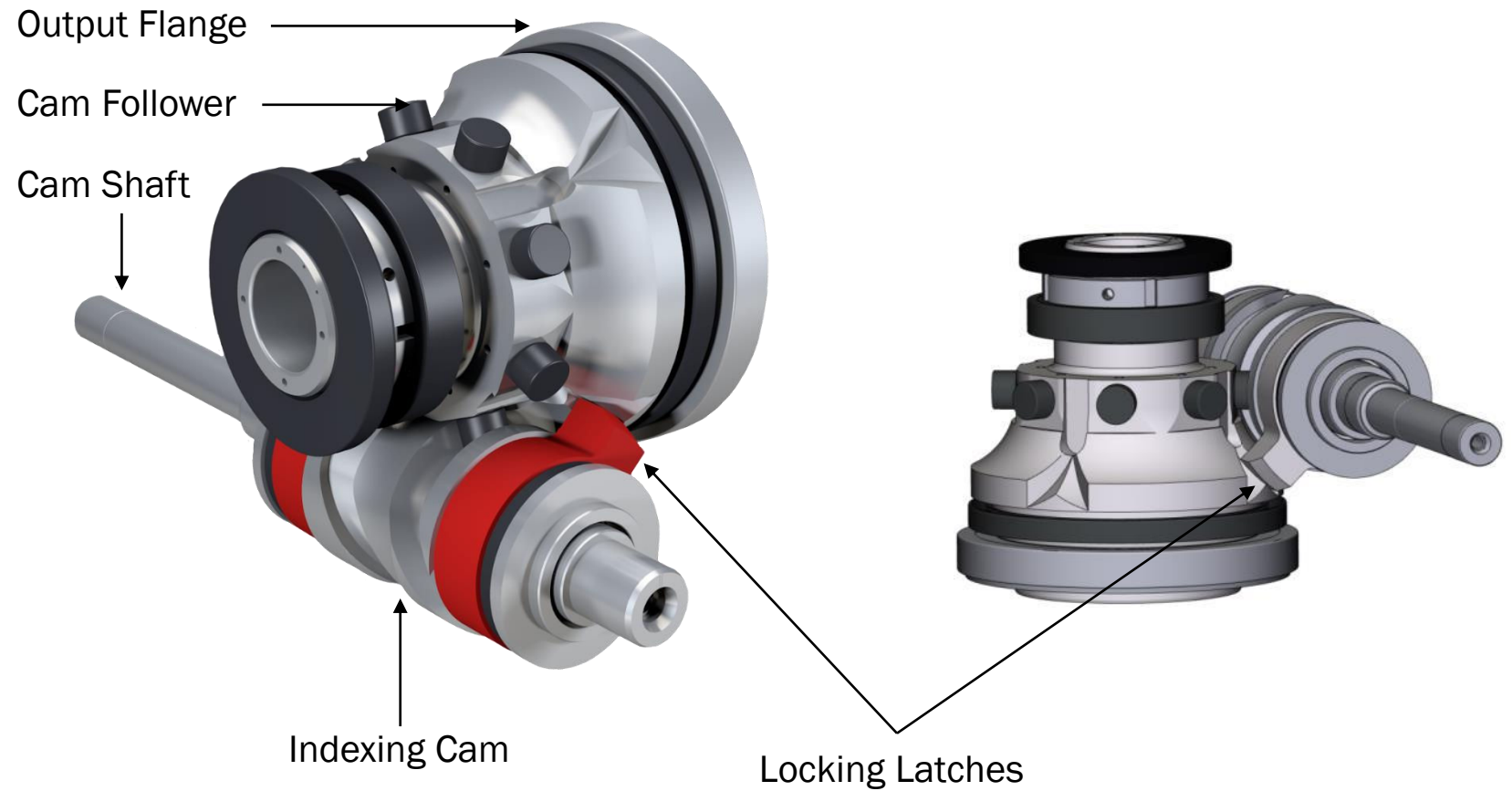
EGV | APRIL 2024



Key Advantages and Specifications

- **EGV-Series – Globoid Trunnion**
All advantages of the EXPERT globoid index drives EGD-Series are now available in an optimized Version. It has been redesigned to match the high standards of the multi-model manufacturing facilities. Available in two sizes as EGV-090 and EGV-125.
- **Compact Dimensions – More Working Space**
As a result of the redesign, the size of the EGV has been reduced to a minimum – this makes it the ideal choice as drive module for the flexible underbody clamping technology.
- **High Static Load Rigidity – No Extra Locking Device**
The EGV-Series allows high static loads in the locked working position. The patented internal locking-mechanism absorbs all forces – no additional device needed!
- **Low Cycle Times – High Dynamics**

Mechanical Design



Application Example „Windmill“

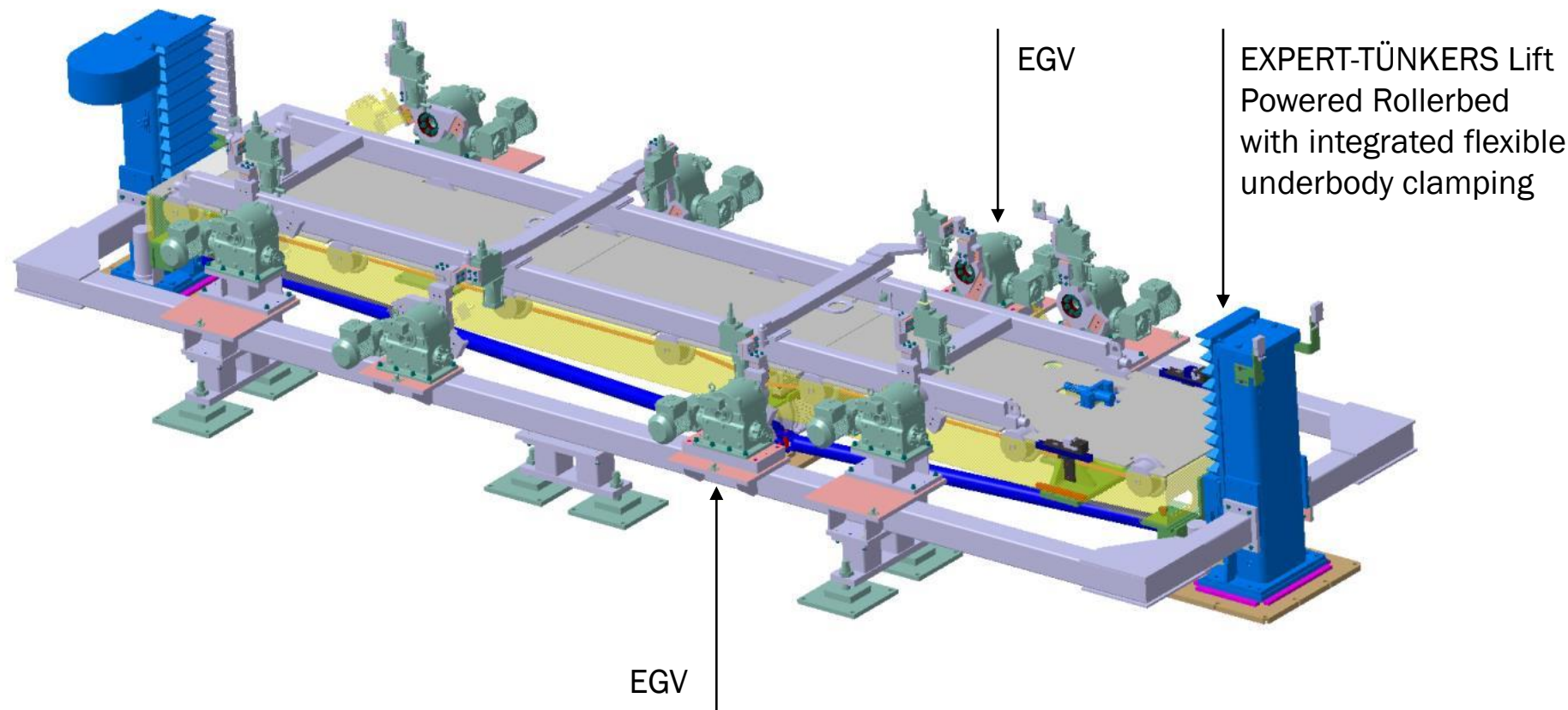
EGV-Trunnion as drive module for the flexible underbody clamping.

Precise positioning of up to four different reference point system configurations / car body types



Application Example Complete 4-Type Station Configuration

Combined station setup of EXPERT-TÜNKERS EGV and lift powered rollerbed.



Advantages Overview

- **Compact design**
Minimal space requirements within the manufacturing lines
- **Optimized robot accessibility**
Welding gun access without additional interfering edges
- **High precision and durability**
Precise repeatable positioning due to mechanical end position locking
Reliable EXPERT-TUENKERS indexing cam technology
- **Flexible Setup**
Available with vertical or horizontal axis of rotation
Variable motor positions

Updated Decentralized Installation Concept

EGV Rev. A (Old Version)

4 x



4 x



**CMPZ
DRIVE**

4 x



**MOVIDRIVE /
MOVIPRO**

4 x



**SPS
INPUT**

EGV Rev. B (Updated Version)

4 x

Max. 8 Stk.



4 x



**DRC
DRIVE**

1 x



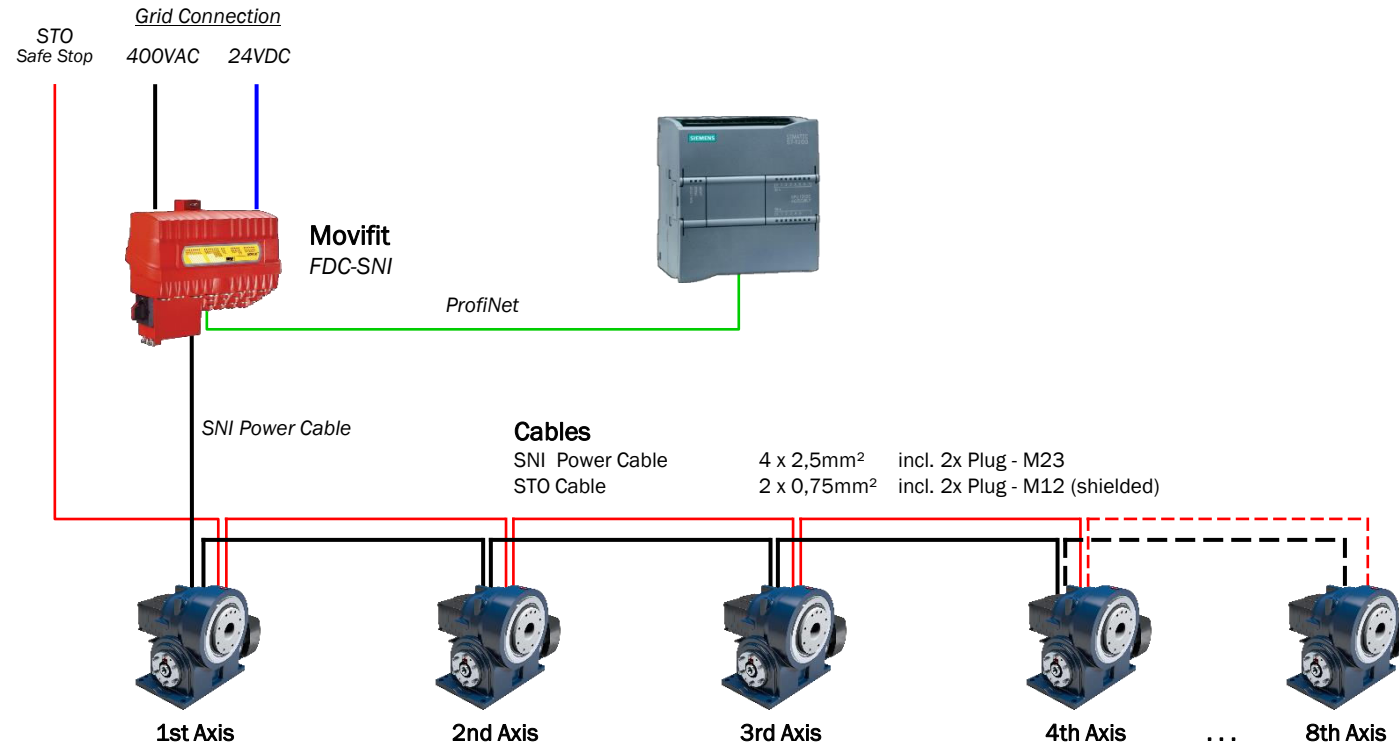
**MOVIFIT
FDC-SNI**

1 x



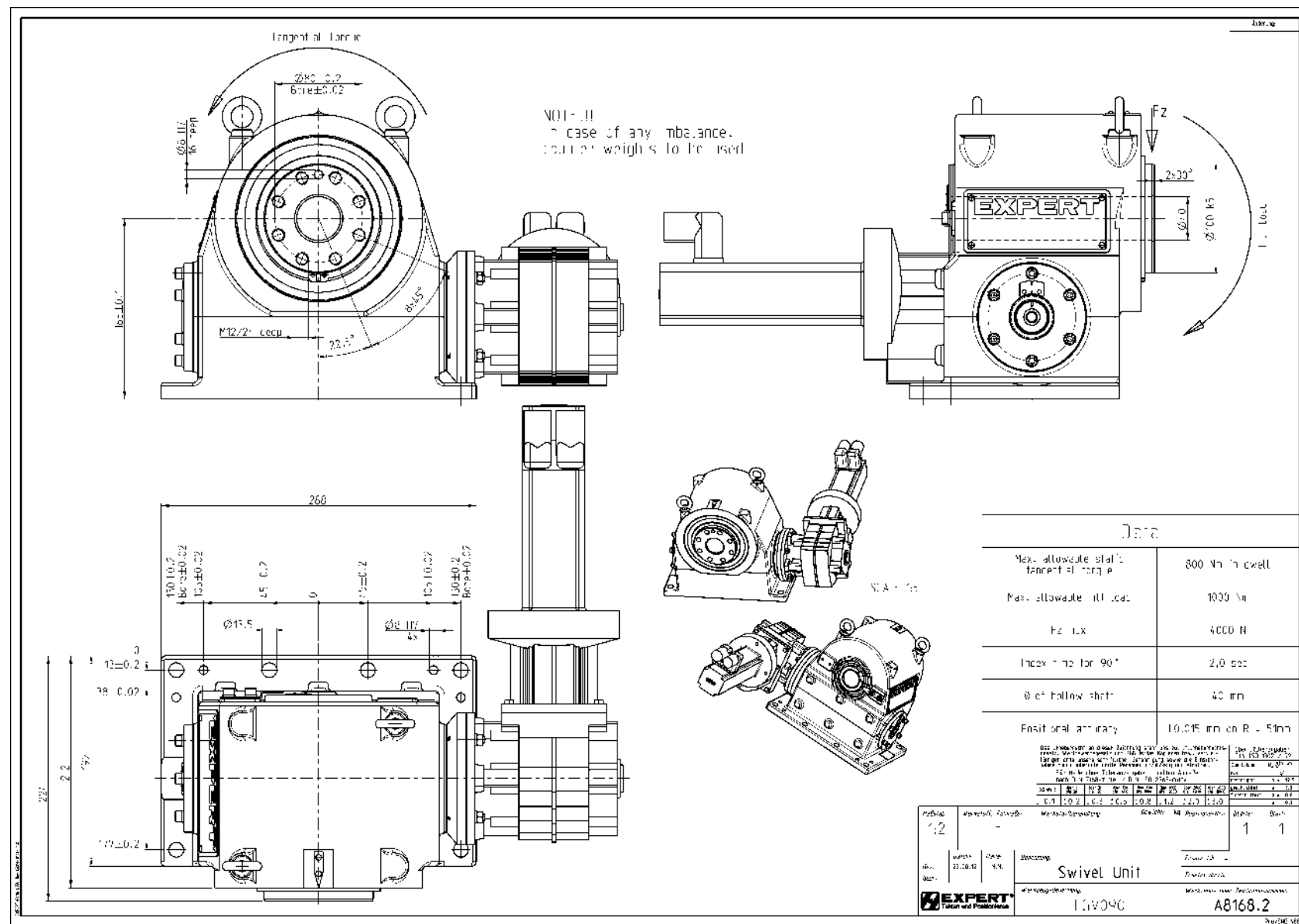
**SPS
INPUT**

Updated Decentralized Installation Concept

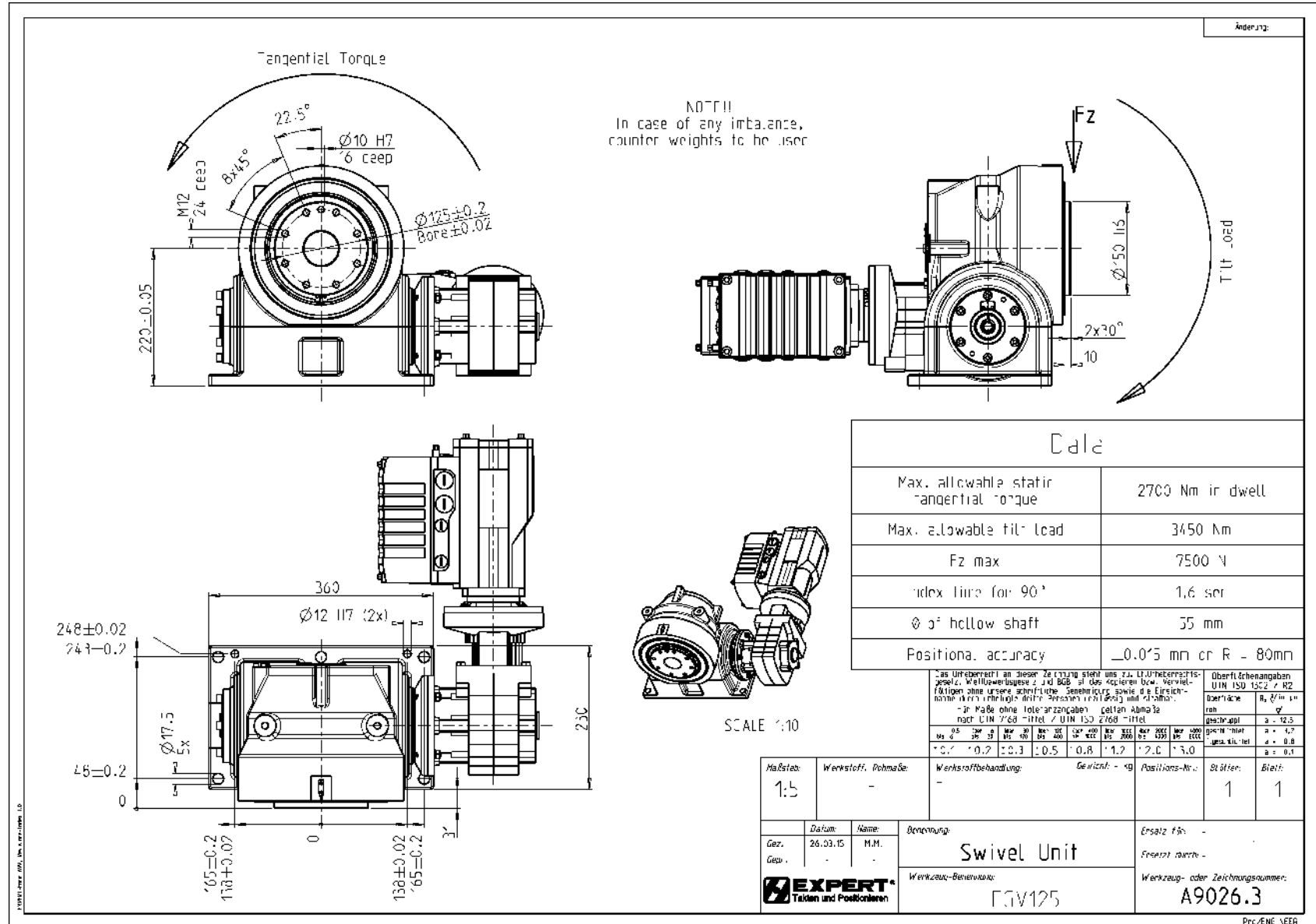


- One MoviFit FDC-SNI is capable of controlling up to 8 EGV-units
- Overall Plug-in connectivity
- Only two cable types needed
- Linear installation type from one EGV to another
- Maximum overall cable length of 100 meters between MoviFit and last DRC Drive

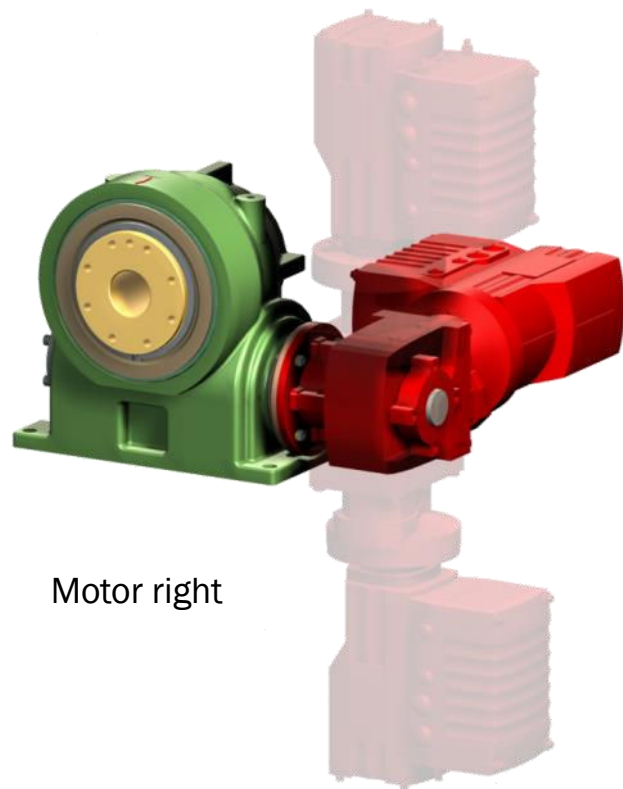
Technical Data EGV 090



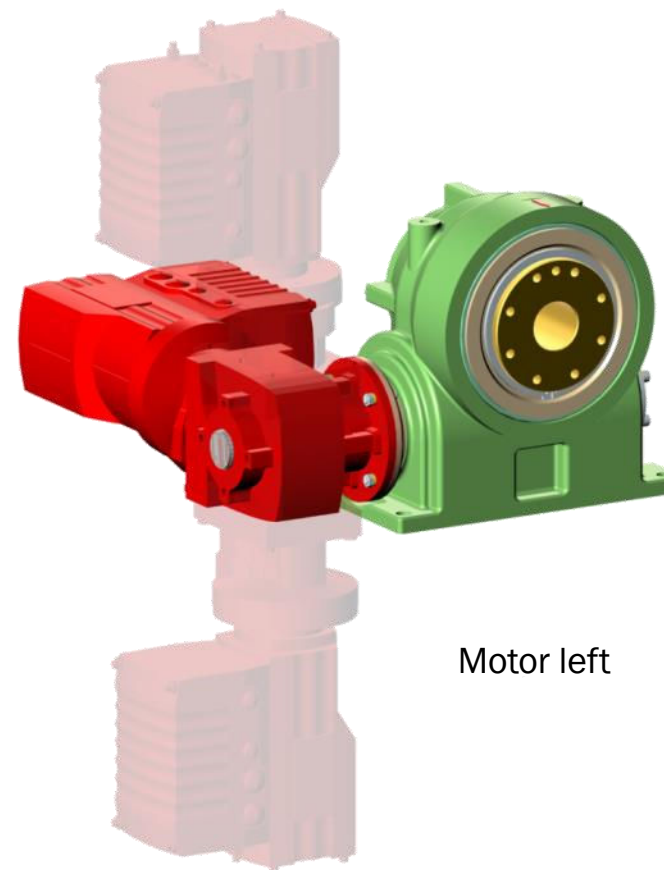
Technical Data EGV 125



Variable Motor Setup



Motor right



Motor left

References

FAW China	ca. 200 pcs
Skoda Ml. Boleslav	ca. 250 pcs
Skoda Ml. Boleslav (SK 260)	ca. 100 pcs
Skoda Nischni Nowgorod	ca. 90 pcs
VW China	ca. 60 pcs
VW Kaluga	ca. 80 pcs

Thank you for your
attention.

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