



- Aluminium case, black anodised; stainless steel shafts.
- Available with reduction ratio: **1:1**.
- Torque **2 NM**. Radial load **7,5 kg** - axial load **0,7 kg** (**Tab. 4**).
- Models (**Tab. 1**):
 - Version «A» with 2 outputs; weight 50 g.
 - Version «B» with 3 outputs; weight 65 g.
 - Version «C» (opposite rotation) with 3 outputs; weight 65 g.
- Output shafts: «M» = male $\varnothing 6$ / «F» = female $\varnothing 6$ (**Tab. 9**).

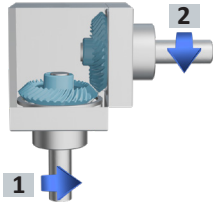
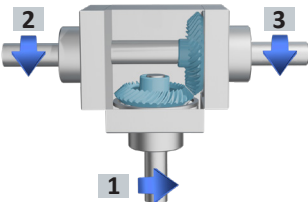
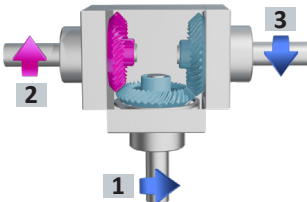
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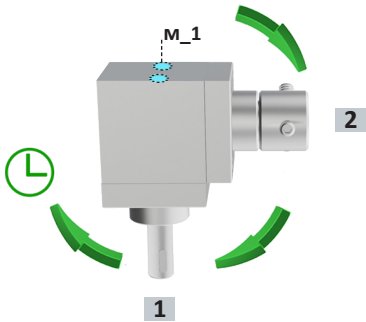
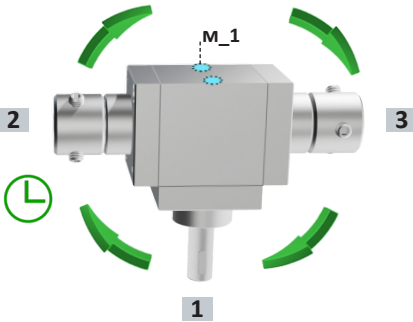
- Output shafts: «F» = female $\varnothing 8$ - $\varnothing 10$ (only for version «A»)
- Models with spiral bevel gears are available in all versions (**Tab. 2**).
- Grease fitting is available in all versions (**Tab. 5**).
- Machine-side coupling flange **FL-M** (**Tab. 7**).
- Male shaft flange for position indicators **FL-OP/EP** (**Tab. 8**).

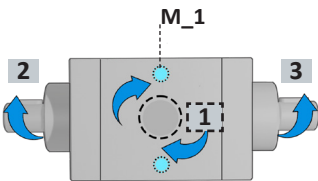
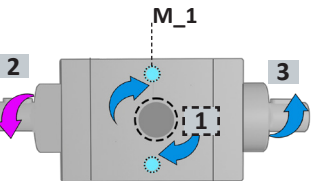
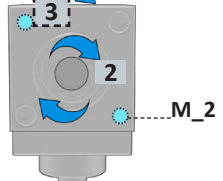
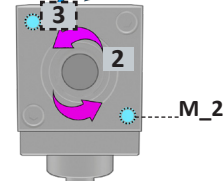
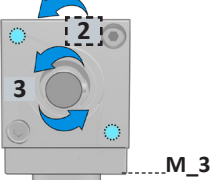
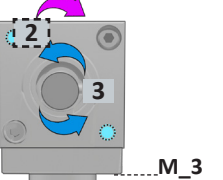
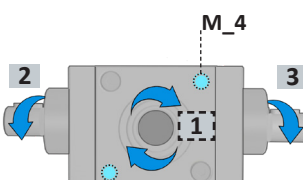
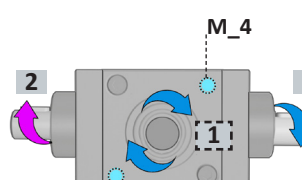
- *Lieferbar mit Übersetzung 1:1.*
- *Druckgussgehäuse, schwarz eloxiert; Wellen aus Edelstahl AISI 303.*
- *Drehmoment 2 NM.*
- *Radiallast 7,5 kg - Axiallast 0,7 kg (Tab. 4).*
- *Ausführungen (Tab. 1):*
 - *Version «A» mit 2 Ausgangswellen, Gewicht 50 g.*
 - *Version «B» mit 3 Ausgangswellen, Gewicht 65 g.*
 - *Version «C» mit 3 Ausgangswellen mit Rückwärtsdrehung, Gewicht 65 g.*

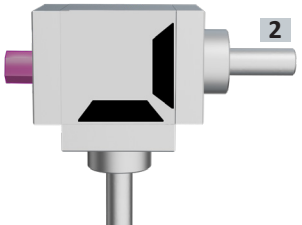
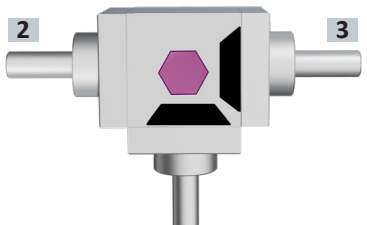
Lieferbar auf Anfrage:

- *Ausgangswellen: «F» = Hohlwelle $\varnothing 8$ - $\varnothing 10$ (nur für Ausführung «A»).*
- *Ausführungen mit Spiralkegelräder (Tab. 2).*
- *Schmiernippel lieferbar in allen Ausführungen (Tab. 5).*
- *Kupplungsflansch für Maschinenseite FL-M (Tab. 7).*
- *Vollwellenflansch für Positionsanzeigen FL-OP/EP (Tab. 8).*

CONFIGURATION AND DIRECTION OF ROTATION - KONFIGURATION UND UMDREHUNGSSINN			Tab. 1
«A»	«B»	«C»	
			
2 outputs, same rot, direction 2 Abtriebe, gleichsinnig	3 outputs, same rot, direction 3 Abtriebe, gleichsinnig	3 uscite, 1 con rotazione discorde 3 outputs, 1 with opposite rotation	

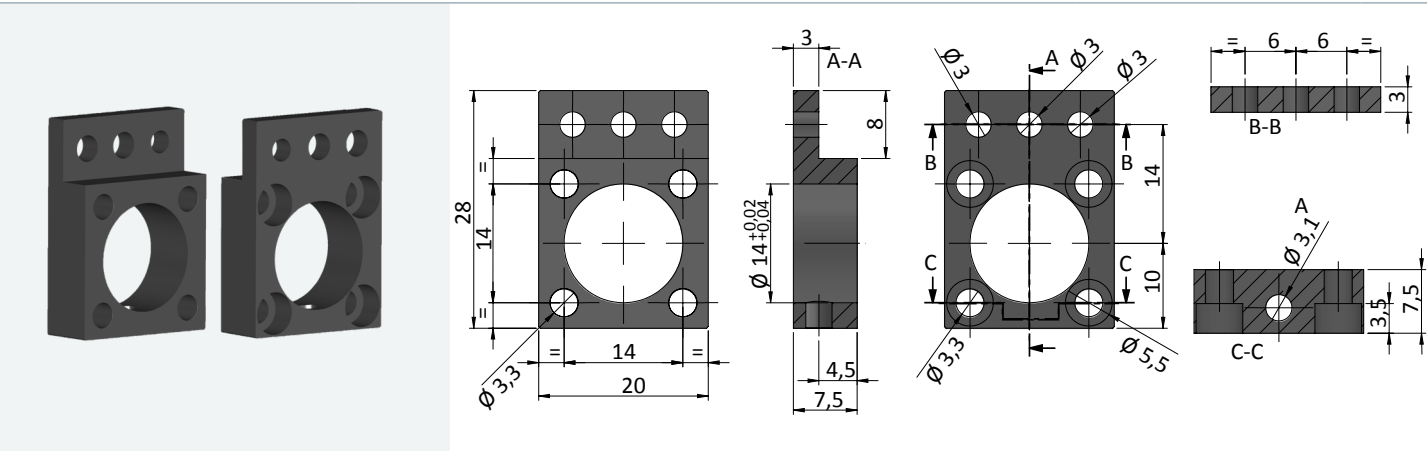
OUTPUT SHAFT IDENTIFICATION - WELLENKENNZEICHNUNG			Tab. 2
Example - Beispiel	Example - Beispiel	Shaft 1 is always shown on the side opposite the M_1 fixing bores and is the reference for: configuration and direction of rotation. By convention, Shaft 1 is shown rotating clockwise, the others follow the clockwise direction. Welle 1 ist stets gegenüber den Bohrungen M_1 dargestellt und dient als Bezug für Bauform und Drehrichtung. Sie wird konventionsgemäß im Uhrzeigersinn dargestellt; die übrigen Wellen werden im Uhrzeigersinn nummeriert.	
			

M_ FIXING POSITIONS - M_ BEFESTIGUNGSPOSITIONEN				Tab. 4
Shaft 1 shaft 1 remains the reference and is conventionally shown rotating clockwise; the housing is rotated by 90° from the previous position Welle 1 bleibt die Referenz und wird konventionsgemäß im Uhrzeigersinn dargestellt; das Gehäuse wird jeweils um 90° gedreht				
M_1 = top view - Ansicht von oben	0°	M_2 = right side view - rechte Seitenansicht	90°	
				
same rotation - gleichsinnig	opposite rotation - gegensinnig	same rotation - gleichsinnig	opposite rotation - gegensinnig	
+ 90° ↑		+ 90° ↓		
M_3 = left side view - linke Seitenansicht	270°	M_4 = bottom view - Ansicht von unten	180°	
				
same rotation - gleichsinnig	rotazione discorde - opposite rotation	same rotation - gleichsinnig	opposite rotation - gegensinnig	

GREASE NIPPLE POSITION - SCHMIERNIPPELPOSITION		Tab. 5
Gearboxes with 2 shafts - Winkelgetriebe mit 2 Wellen	Gearboxes with 3 shafts - Winkelgetriebe mit 3 Wellen	
	Recommended for heavy-duty use or to extend service life. Relubricate as directed by our Technical Department. Standard position shown; other positions on request.	
		Für schwere Einsätze oder längere Lebensdauer empfohlen. Regelmäßig nachschmieren. Standardposition wie dargestellt; andere Positionen auf Anfrage.

The flange **FL-M**, compatible with any configuration and shaft (male or female) of the gearbox, ensures a stable and precise coupling, minimizing vibrations and ensuring correct alignment between the connected components. Made of black anodized aluminum, it is coordinated with the gearbox case, also in black.

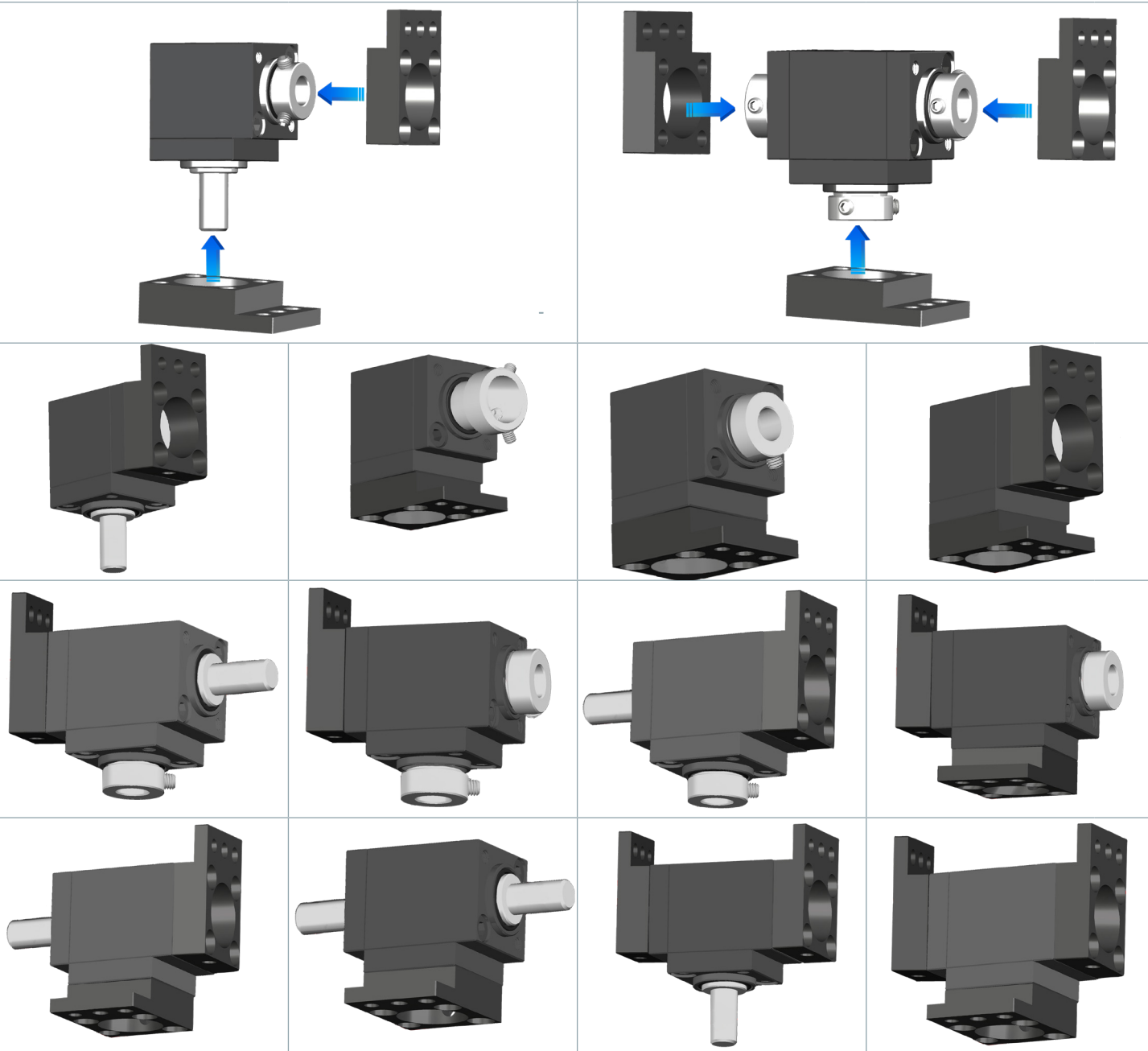
Die Kupplungsflansche **FL-M**, ist mit jeder Konfiguration und Ausgangswelle (Hohl- und Vollwelle) des Getriebes kompatibel. Sorgt für eine stabile und präzise Kupplung, minimiert Vibrationen und gewährleistet eine korrekte Ausrichtung der verbundenen Komponenten. Aus schwarz eloxiertem Aluminium gefertigt, passt optisch perfekt zum ebenfalls schwarzen Getriebegehäuse.



Configuration examples - Konfigurationsbeispiele

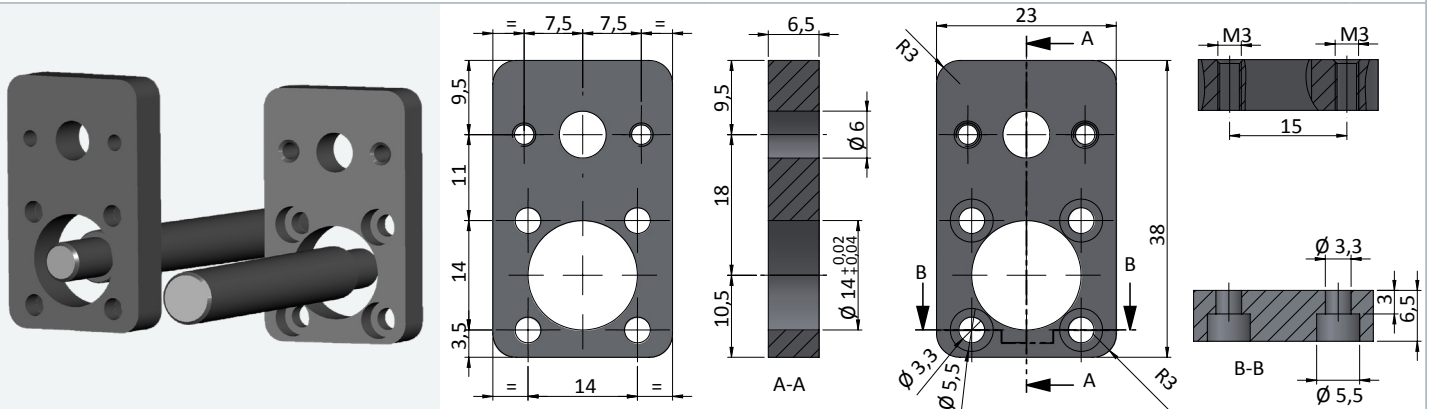
Gearbox with 2 shafts - Winkelgetrieb mit 2 Wellen

Gearbox with 3 - Winkelgetrieb mit 3 Wellen



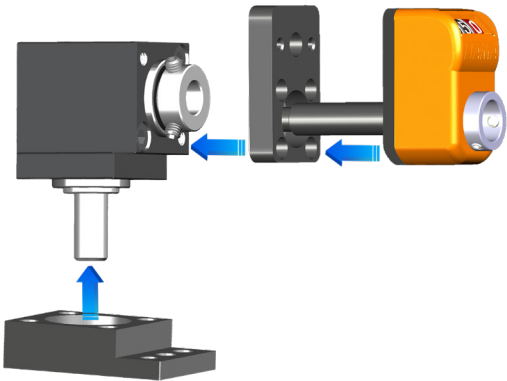
Male shaft with flange **MØ8x55 FL-OP2**, compatible with any configuration and shaft of the gearbox, connects the position indicator, whether mechanical or electronic, to the gearbox. This combination enables precise and monitored position adjustment, increasing stability and accuracy of readings. Made of black anodized aluminum, it is coordinated with the gearbox case, also in black.

Vollwelle mit Flansch **MØ8x55 FL-OP2**, kompatibel mit jeder Konfiguration und Ausgangswelle des Getriebes, verbindet den Positionsanzeiger, mechanisch oder elektronisch, mit dem Getriebe. Diese Kombination ermöglicht eine präzise und überwachte Positionseinstellung, was die Stabilität und Genauigkeit der Messungen erhöht. Aus schwarz eloxiertem Aluminium gefertigt, passt optisch perfekt zum ebenfalls schwarzen Getriebegehäuse.

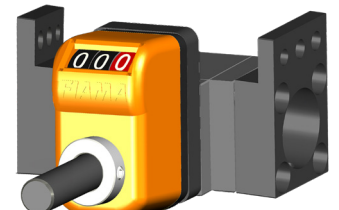
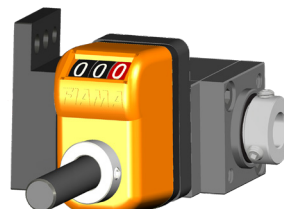
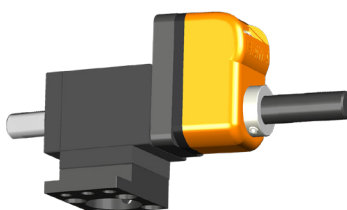
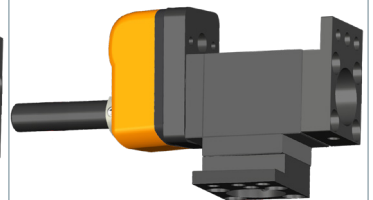
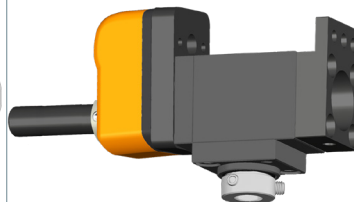
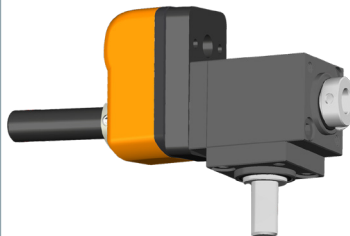
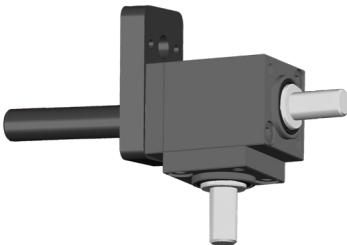
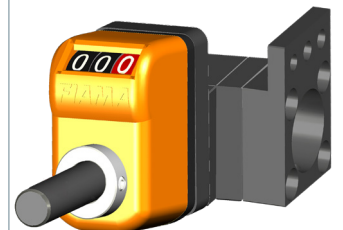
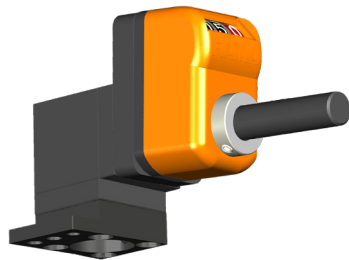
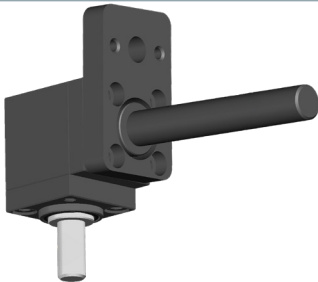
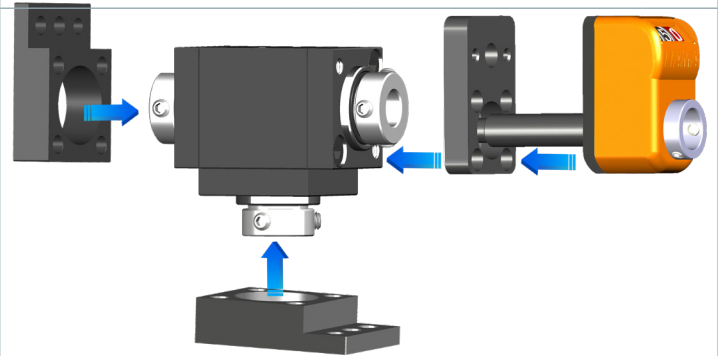


Configuration examples - Konfigurationsbeispiele

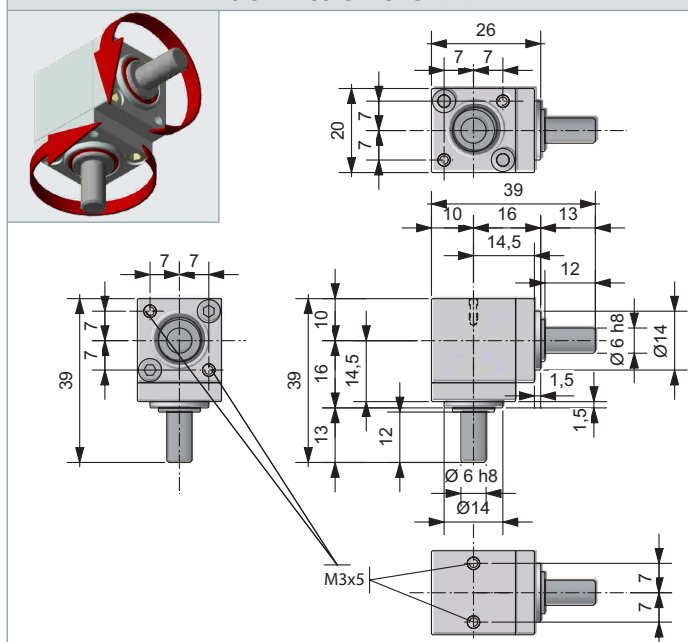
Gearbox with 2 shafts - *Winkelgetrieb mit 2 Wellen*



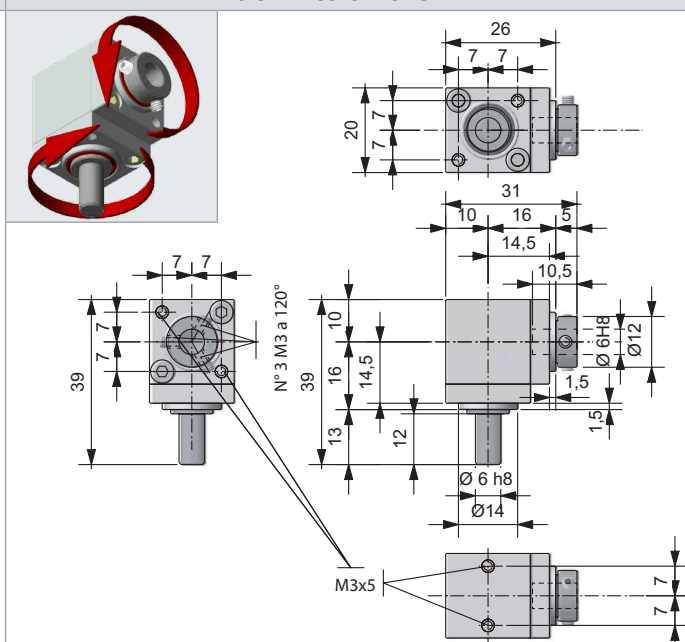
Gearbox with 3 shafts - *Winkelgetrieb mit 3 Wellen*



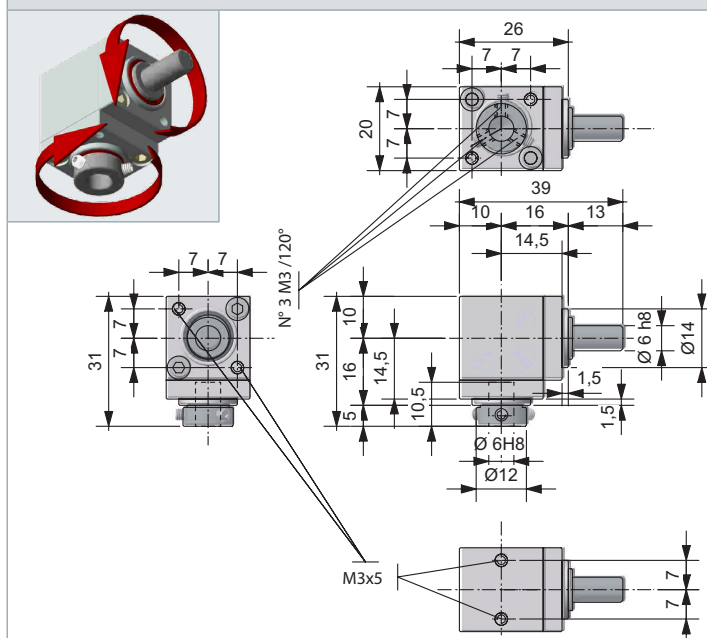
VERSION - AUSFÜHRUNG «A» M-M



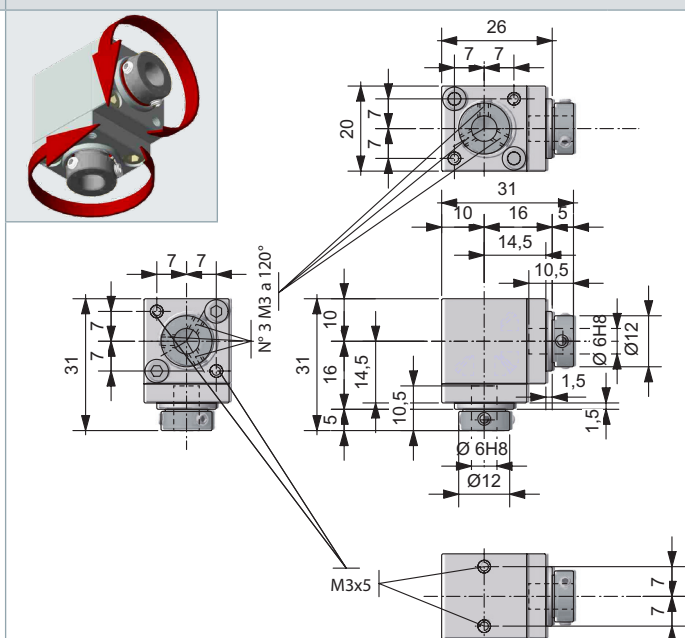
VERSION - AUSFÜHRUNG «A» M-F



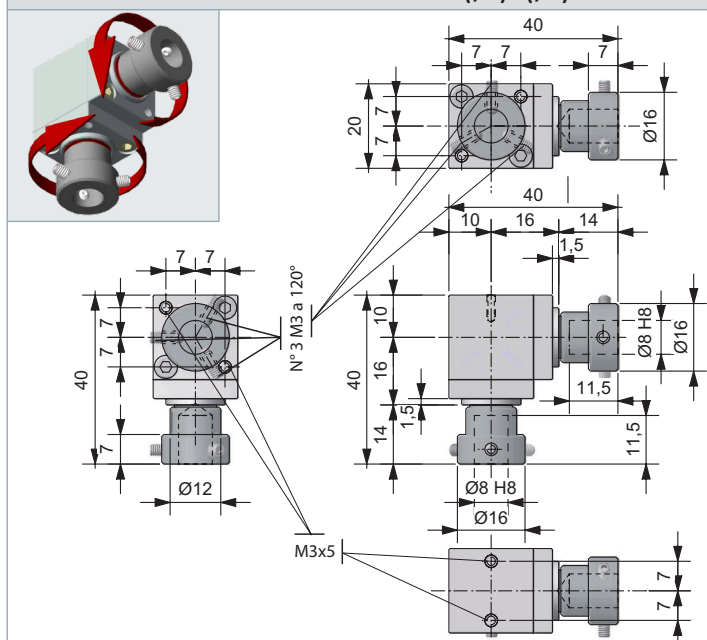
VERSION - AUSFÜHRUNG «A» F-M



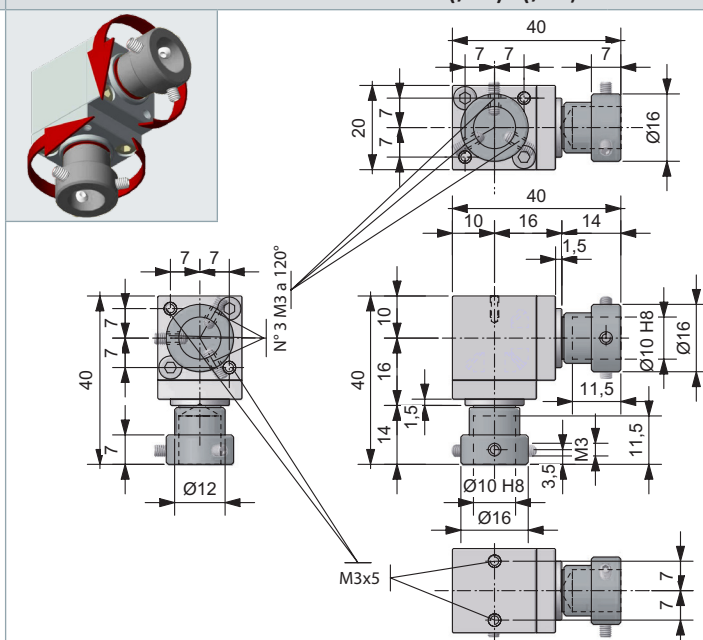
VERSION - AUSFÜHRUNG «A» F-F



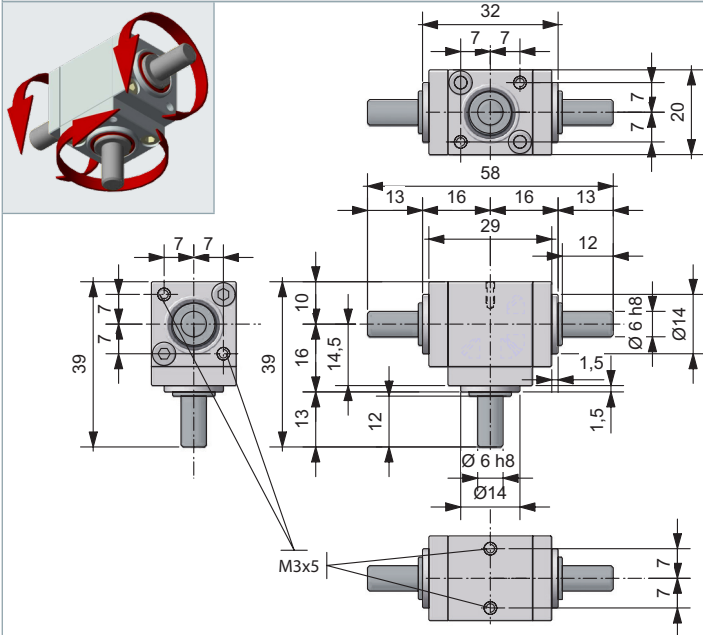
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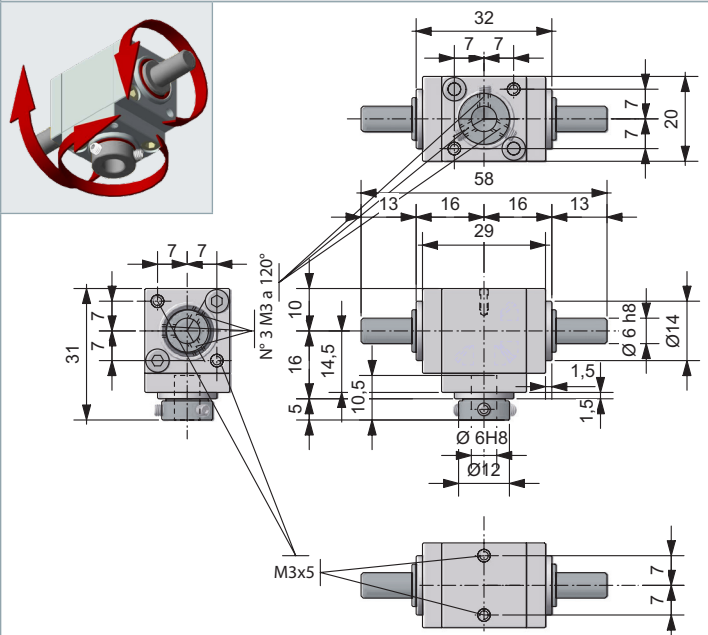
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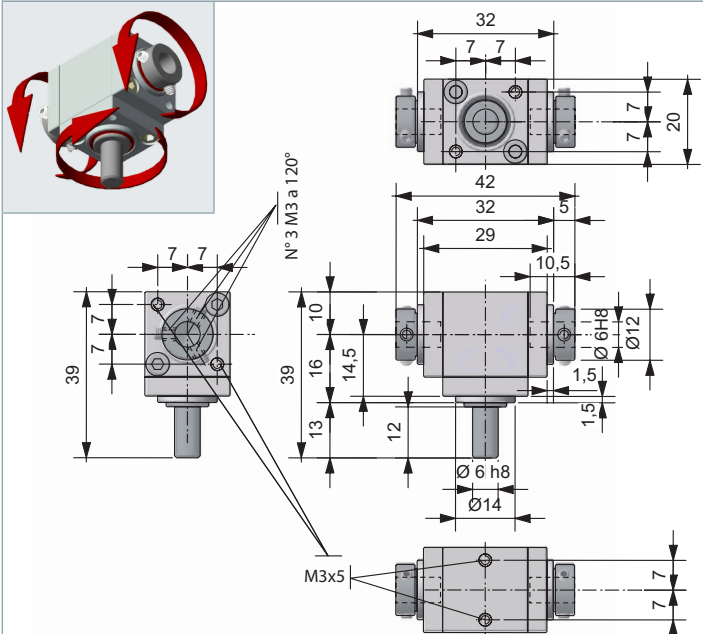
VERSION - AUSFÜHRUNG «B» M-M-M



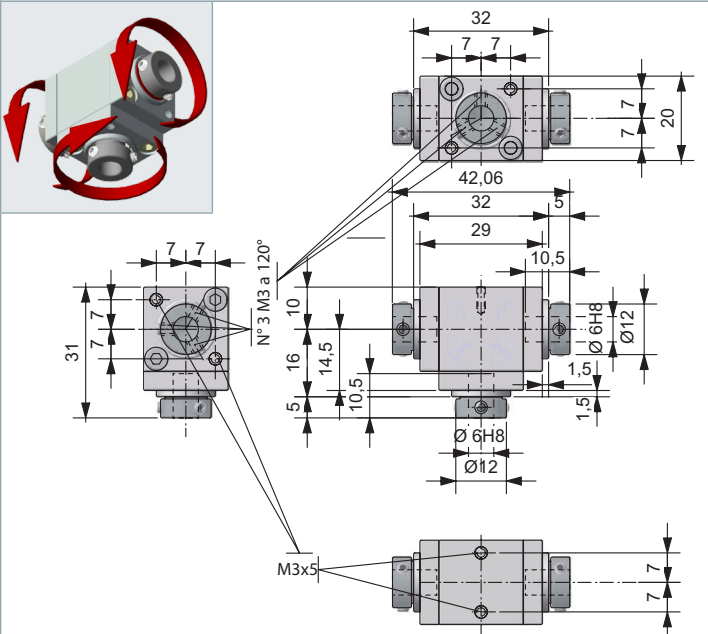
VERSION - AUSFÜHRUNG «B» F-M-M



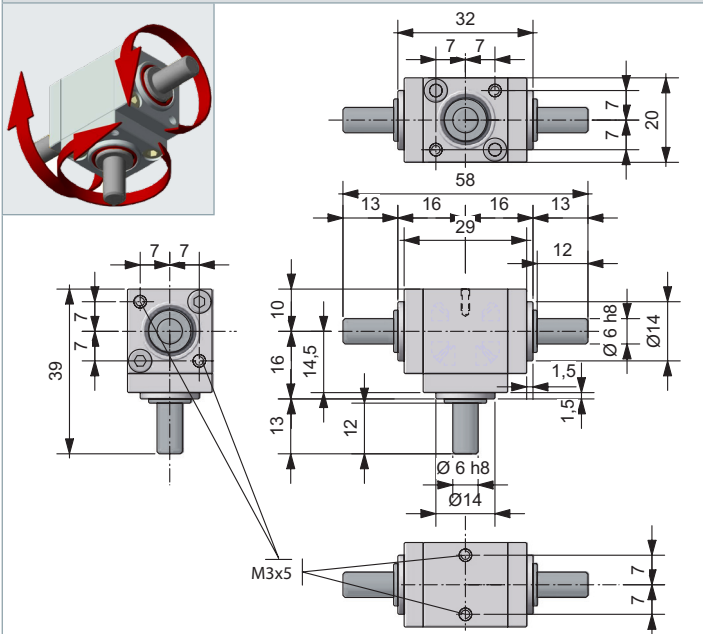
VERSION - AUSFÜHRUNG «B» M-F-F



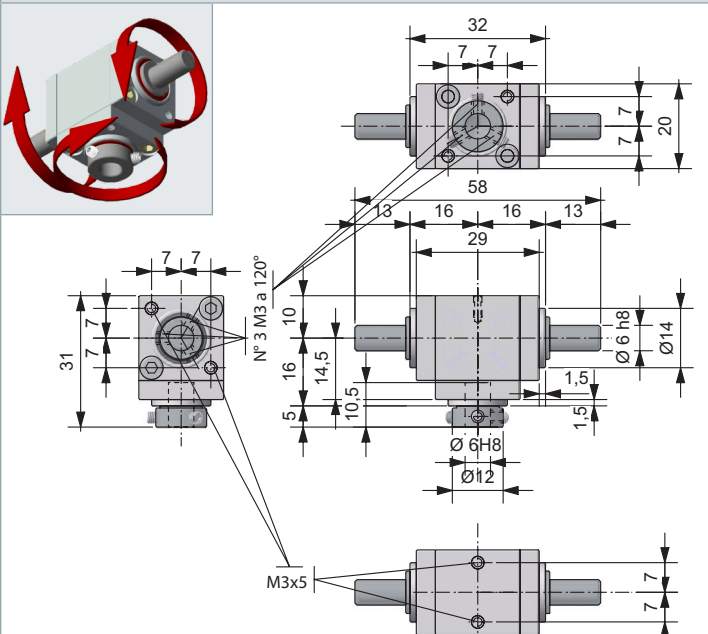
VERSION - AUSFÜHRUNG «B» F-F-F



VERSION - AUSFÜHRUNG «C» M-M-M OPPOSITE ROTATION - GEGENLÄUFIG



VERSION - AUSFÜHRUNG «C» F-M-M OPPOSITE ROTATION - GEGENLÄUFIG



PART NR. CONFIGURATION - BESTELLMUSTER	66/22	SP	A	FØ6	FL-M	FØ6	FL-M	FØ6	FL-M	1/1	ING
SPIRAL BEVEL GEARS - SPIRALKEGELRÄDER (☛Tab. 2)											
SP											
VERSION - AUSFÜHRUNG (☛Tab. 1)											
A - B - C											
SHAFT 1 - WELLE 1 (☛Tab. 9)											
MØ6 - FØ6 (standard)											
FØ8 - FØ10 (version - Ausführung A)											
MØ8x55 FL-OP2 (flangiato - flanged ☛Tab. 8)											
COUPLING FLANGE - KUPPLUNGSFLANSCH (☛Tab. 7)											
FL-M (shaft 1 - Welle 1)											
SHAFT 2 - WELLE 2 (☛Tab. 9)											
MØ6 - FØ6 (standard)											
FØ8 - FØ10 (solo per versione - only for version A)											
MØ8x55 FL-OP2 (flangiato - flanged ☛Tab. 8)											
COUPLING FLANGE - KUPPLUNGSFLANSCH (☛Tab. 7)											
FL-M (shaft 2 - Welle 2)											
SHAFT 3 - WELLE 3 (☛Tab. 9)											
MØ6 - FØ6 (standard)											
MØ8x55 FL-OP2 (flangiato - flanged ☛Tab. 8)											
COUPLING FLANGE - KUPPLUNGSFLANSCH (☛Tab. 7)											
FL-M (shaft 3 - Welle 3)											
RATIO - ÜBERSETZUNG											
1:1											
GREASE FITTING - SCHMIERNIPPEL (☛Tab. 5)											
ING											
INDICATOR - POSTIONSANZEIGE											
OP2 (order separately - separat bestellen)											
☛ for the selection of indicators please see datasheets, which can be downloaded also from our web-site www.fiamsa.it in section "Position indicators ..." zur Auswahl siehe Datenblätter, die auch von unserer Website www.fiamsa.it im Abschnitt „Positionsanzeigen ...“ heruntergeladen werden können.											
exclusive option - keine Auswahl											
optional - auf Wunsch lieferbar											

- For the selection of the gearbox, we advise to consult the tables, and the technical data shown in the "General Information" of this catalog (p. 4 - 7)
- For abbreviations and acronyms consult the «glossary» in the "General Information" of this catalog (p. 7)
- Für eine korrekte Auswahl, empfehlen wir die Tabellen und die Daten, in den "Allgemeine Informationen" dieses Katalogs (S. 4 - 7) nachzuschlagen.
- Für Abkürzungen und Akronyme den «Glossar» konsultieren in den "Allgemeine Informationen" dieses Katalogs (S. 7).