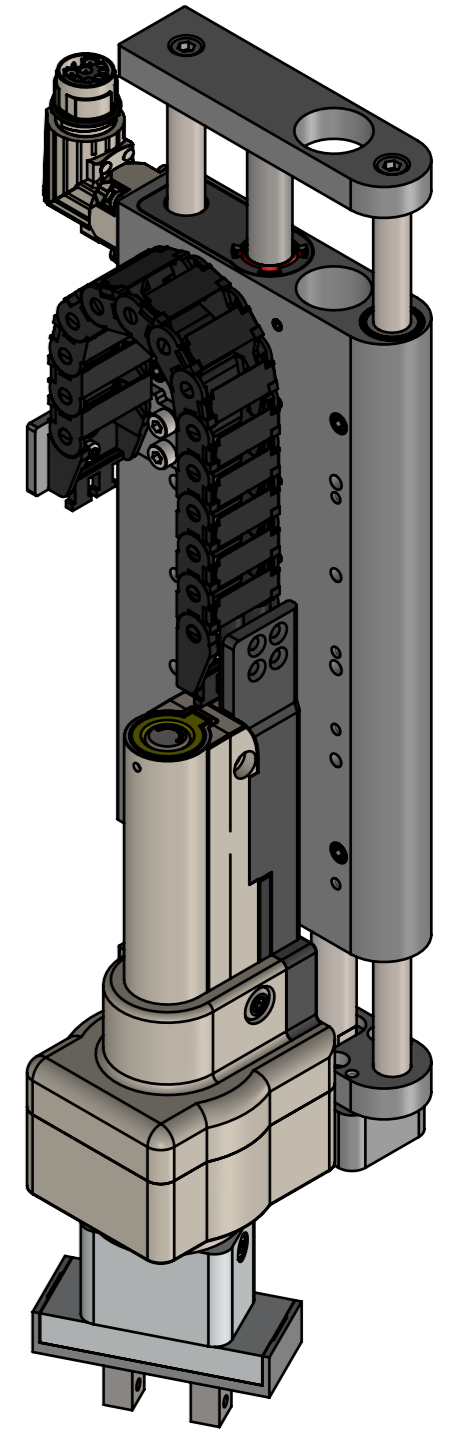
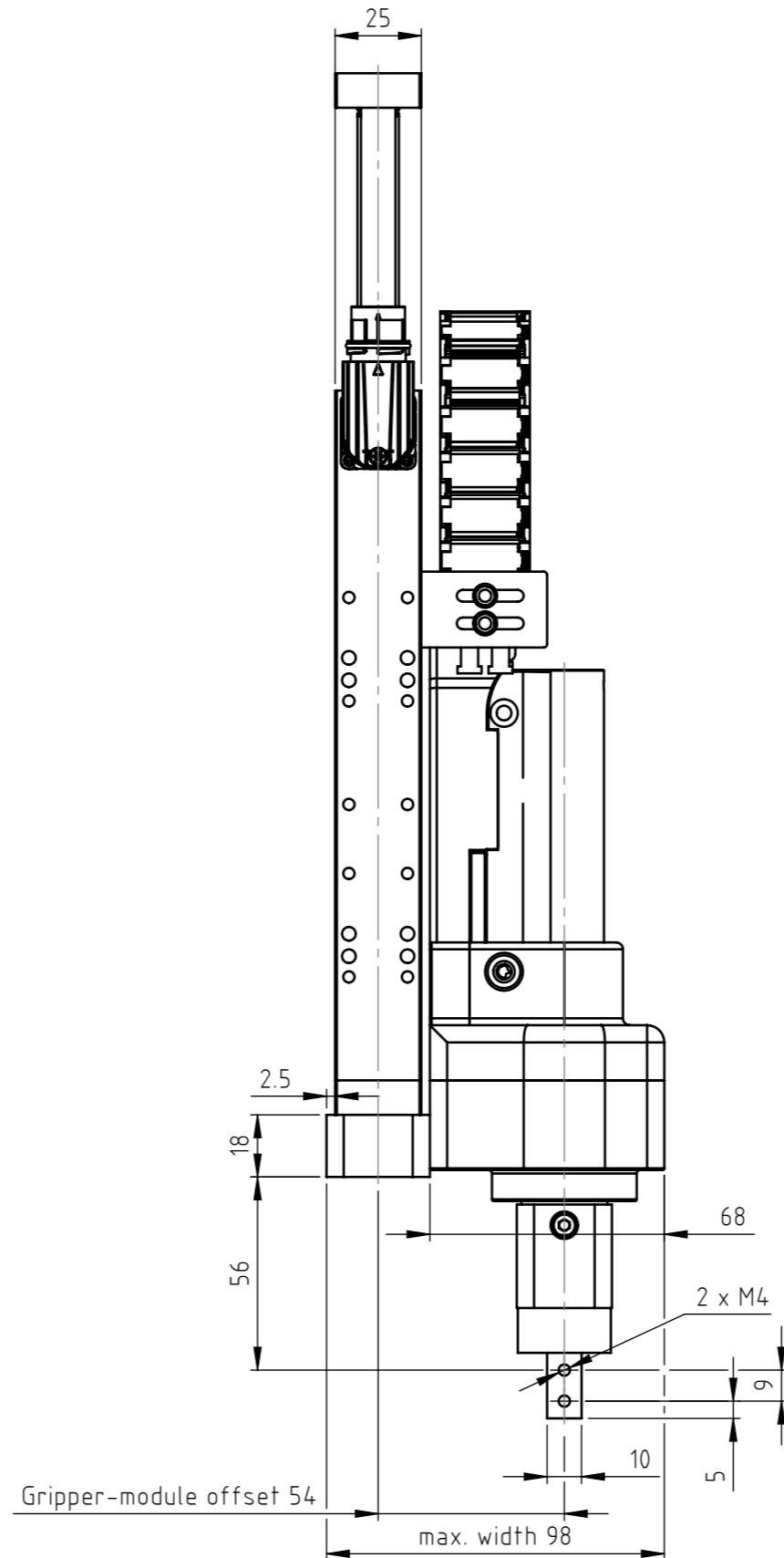
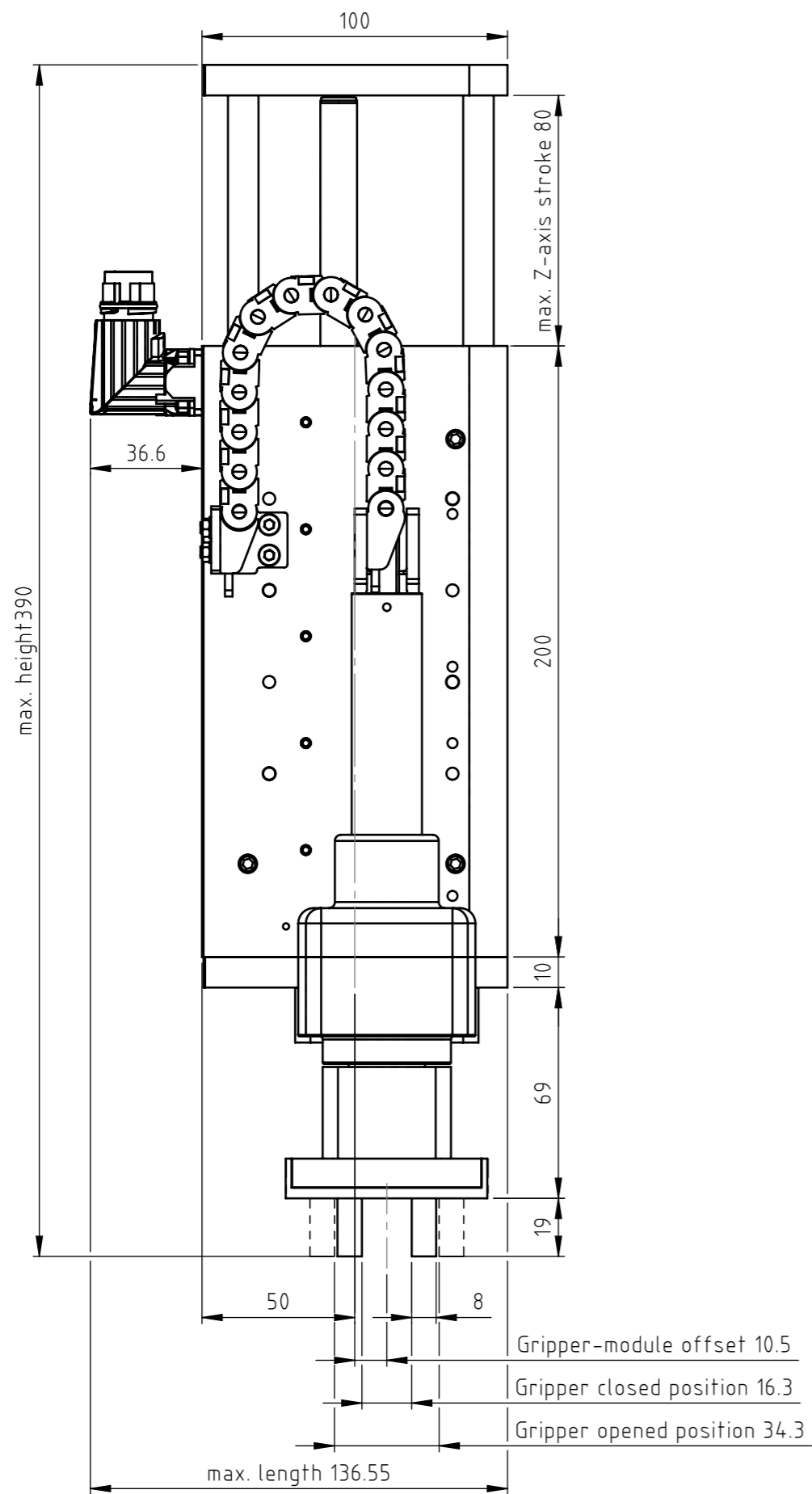


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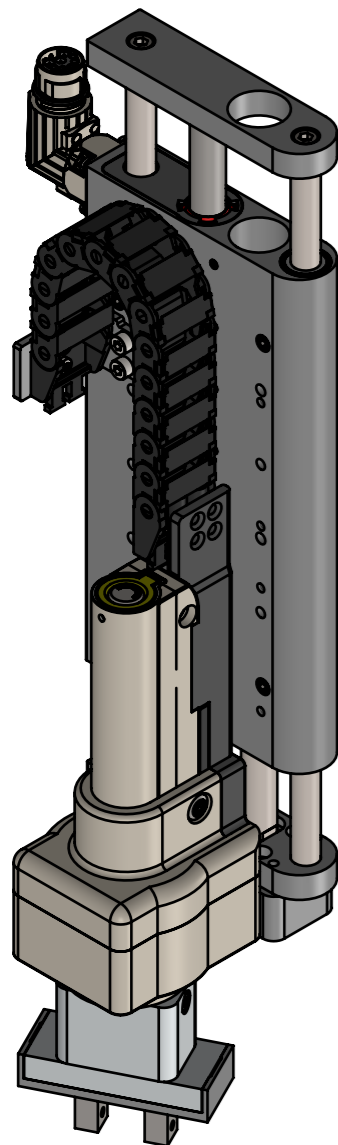


Rev.	Change	Date	Author	Appr.
A	Document created	05.06.2026	JB	FH

General tolerance DIN ISO 2768 - mK	Created by J.-E. Beekhuis	Status 05.06.2026/jb	Material
LinMot®	0380-0153_VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01		<input type="checkbox"/> Safety Rel. Weight (g) <input type="checkbox"/> UL-Rel. 3189.87
	Title, additional title VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01		Document type Assembly drawing
NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach	Vertikalachse / DM03-23x160 & GM51-23x80 Art.No.: 0300-0089		Drawing number / Index 0380-0153A
Template type: SW2020 Version: V1-1 SW_A3_hori_Sheet_format_V1-1	Scale 1:2		Sheet 1 / 3 A3

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Stage type	VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01		
Motor type	Z-axis: 0150-6193 DM03-23x160H-XP-R-80_CS10_MS12	Gripper: 0150-6302 GM51-23Sx80F-XP-K_35-18_E50x08-NG_GT21_MS03	
Serial number		Serial number	
Stroke	80	Stroke	18
Max. Force@48VDC [N]	137.3	Max. clamping force [N]	41
Max. Force@72VDC [N]	137.3	Max. continuous clamping force: Closing direction [N]	12
Position resolution [mm]	0.002	Max. continuous clamping force: Opening direction [N]	8
Repeatability [mm]	±0.05	Max. torque [Nm]	1.03
Max. acceleration [m/s ²]	< 50	Continuous torque [Nm]	0.32
Max. Velocity@48VDC [m/s]	2.5	Repeatability - Linear [mm]	±0.05
Max. Velocity@72VDC [m/s]	3.8	Repeatability - Rotary [°]	±0.05
Deviation	see datasheet	Min. opening/ closing time [s]	0.02
Moving mass [kg]	0.800	Max. rotation speed [rpm]	3000 (×see note in datasheet)
Module mass [kg]	2.140		
Cable weight [kg/km]	83.0	Module mass [kg]	1.100
Max. payload	see datasheet	Max. payload	see datasheet
Grease type - Motor	0150-1954 / 0150-1955 LU02	Grease type - Motor	0150-6972 ELKALUB VP 874
Grease type - Bearings	0150-6972 ELKALUB VP 874	Grease type - lever mechanic	0150-2744 Interflon Food Grease 2 für INOX
Grease type - MagSpring	0150-1954 / 0150-1955 LU02		

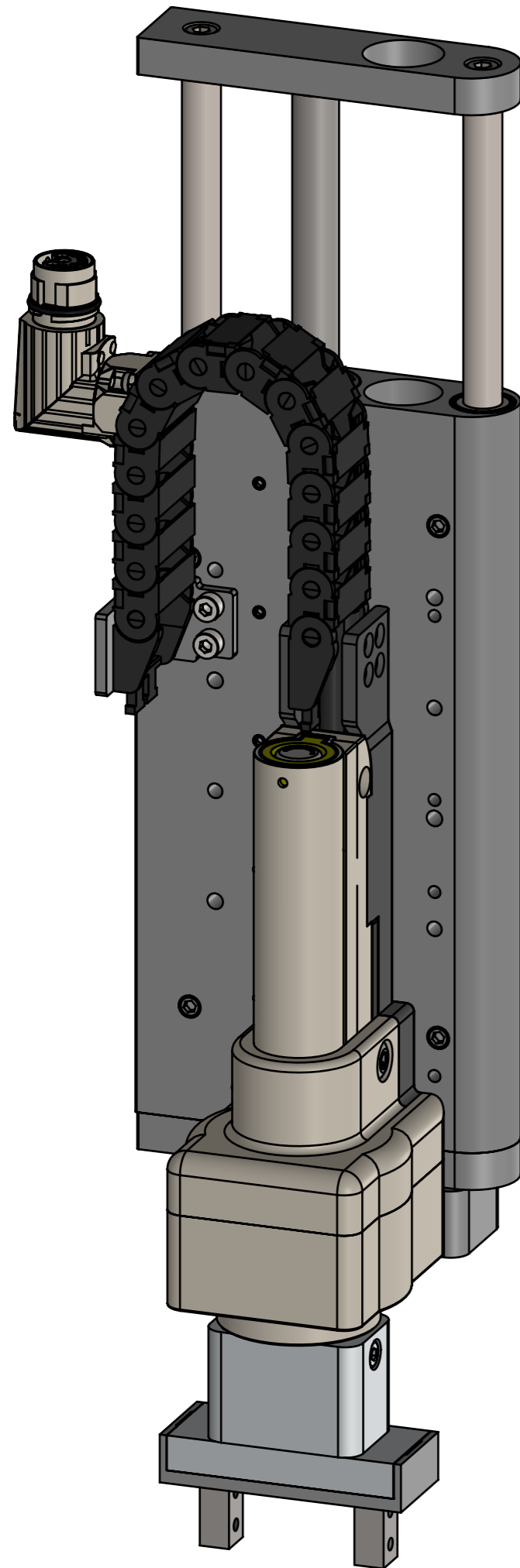


Accessories			
Stage type	VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01		
Motor type	Z-axis: 0150-6193 DM03-23x160H-XP-R-80_CS10_MS12	Gripper: 0150-6302 GM51-23Sx80F-XP-K_35-18_E50x08-NG_GT21_MS03	
Motor cable	Not selected	Selected: 0150-2186 KS03-R/K-2 0150-6571 KS05-09-R/NG-2	
External sensor	Not selected	Not selected	
Cable guide	Chosen: 0150-6443 GM51-23-TC-26x12.5		
Force sensor	Not selected	Not selected	

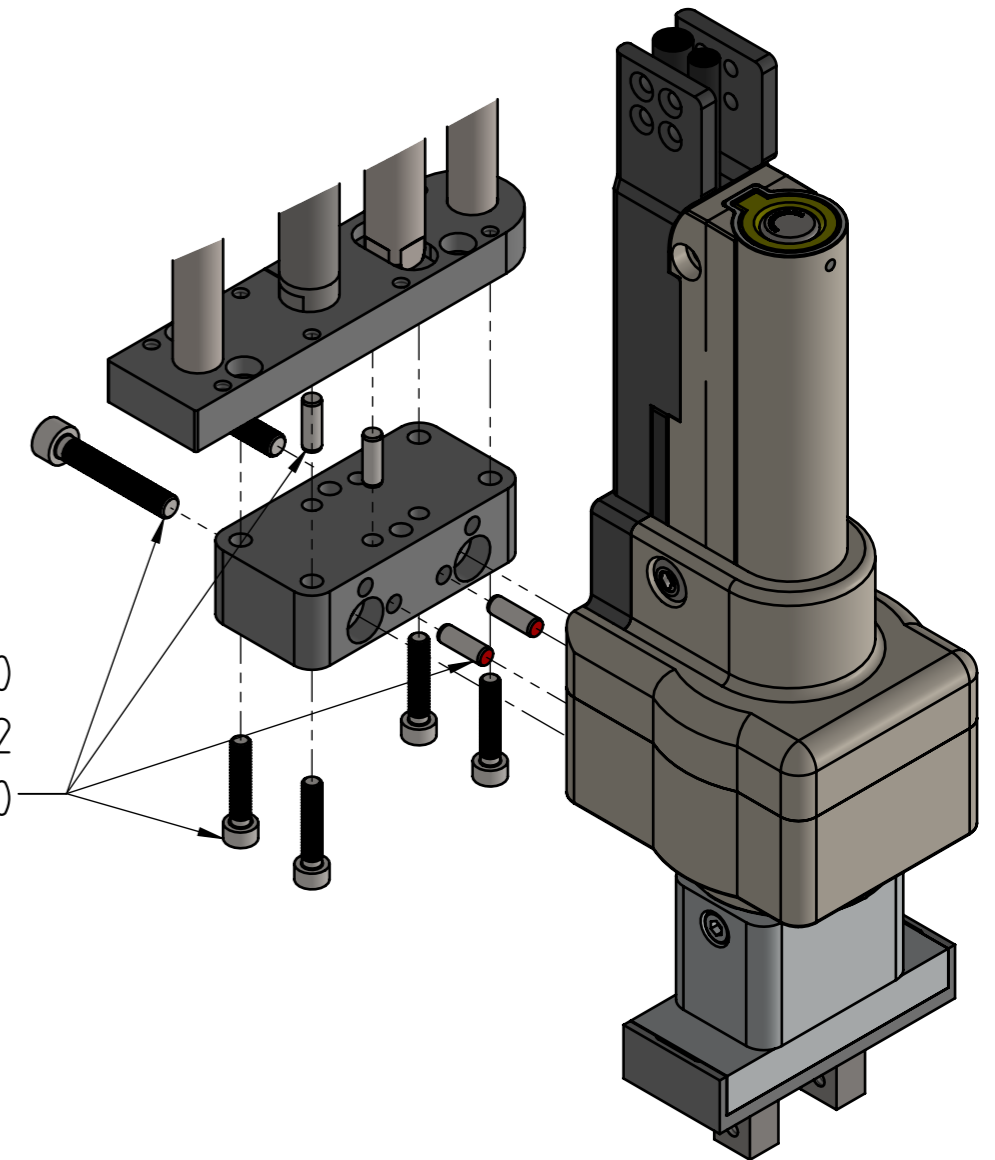
Rev.	Change	Date	Author	Appr.
A	Document created	05.06.2026	JB	FH

General tolerance DIN ISO 2768 - mK	Created by J.-E. Beekhuis	Status 05.06.2026/jb	Material
LinMot®	0380-0153_VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01		<input type="checkbox"/> Safety Rel. Weight (g) <input type="checkbox"/> UL-Rel.
NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach	Title, additional title VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01 Vertikalachse / DM03-23x160 & GM51-23x80 Art.No.: 0300-0089		Document type Assembly drawing Drawing number / Index 0380-0153A
Template type: SW2020 Version: V1-1 SW_A3_hori_Sheet_format_V1-1	Scale 2:5		Sheet 2 / 3 A3

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1x 0150-6756 GM50/51-23_DM03-23-AP
 4x ISO 4762 M4x20
 4x ISO 2338 ϕ 4x12
 2x ISO 7041 M5x30



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LinMot®	0380-0153_VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01		<input type="checkbox"/> Safety Rel. Weight (g) <input type="checkbox"/> UL-Rel. 3149.82
NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach	Title, additional title VA01_80-23x160H-MS12_S_18-E50x08-GT21-MS03_TC01 Vertikalachse / DM03-23x160 & GM51-23x80 Art.No.: 0300-0089		Document type Assembly drawing Drawing number / Index 0180-0153A
Template type: SW2020 Version: V1-1 SW_A3_hori_Sheet_format_V1-1	Scale 2:3		Sheet 3 / 3 A3