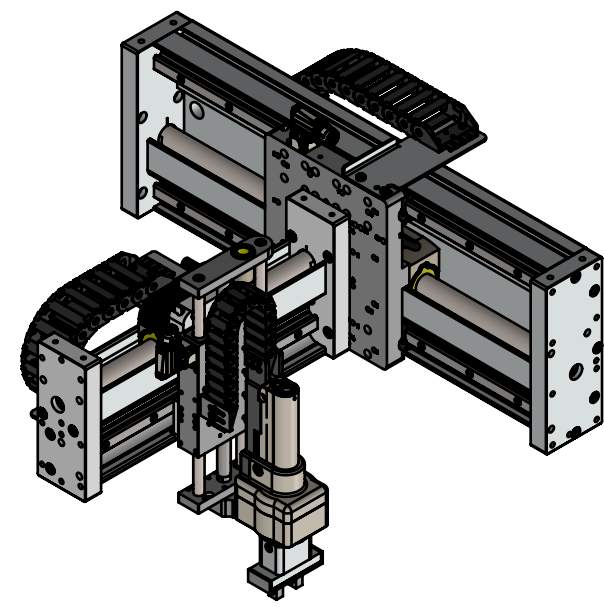
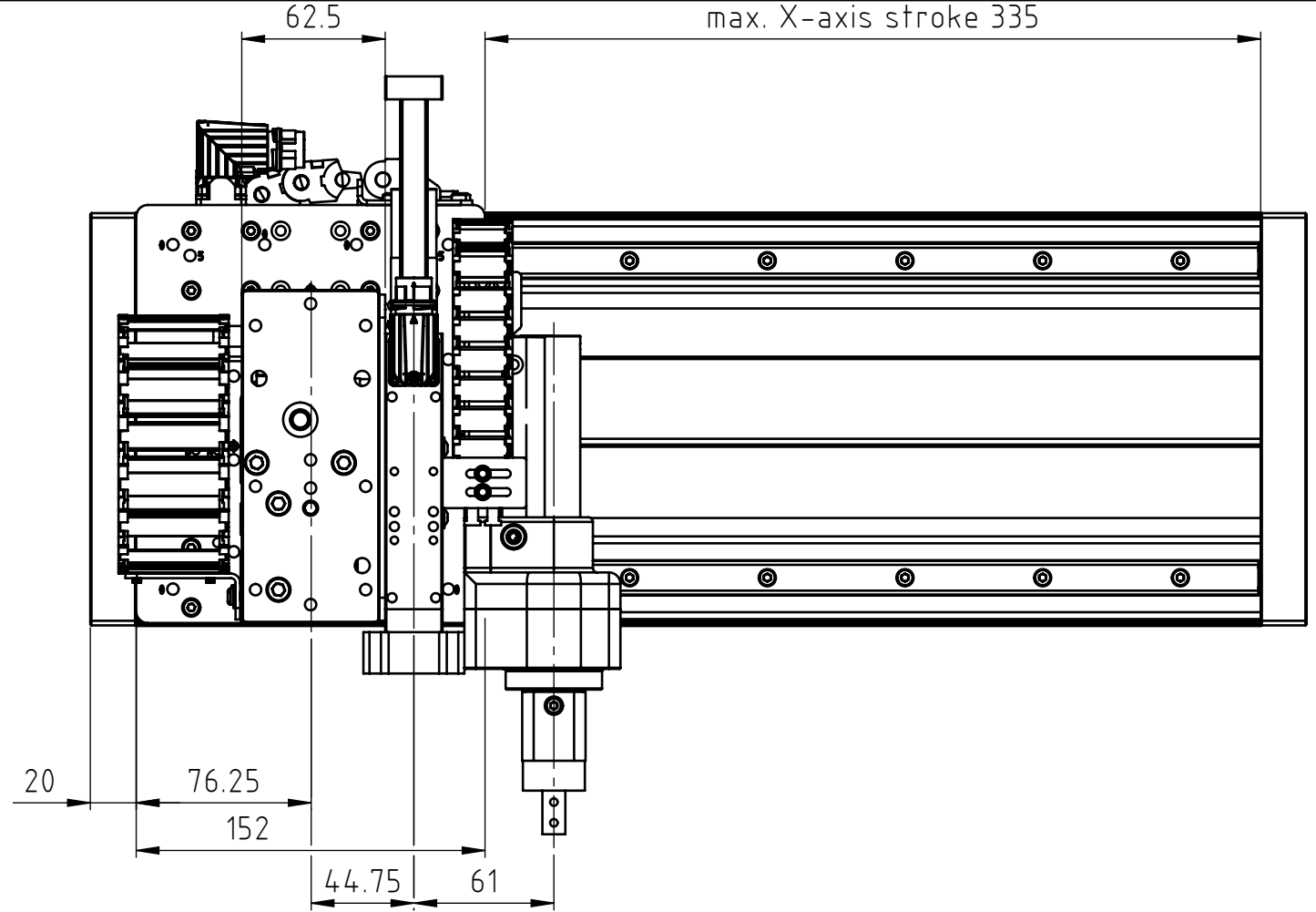
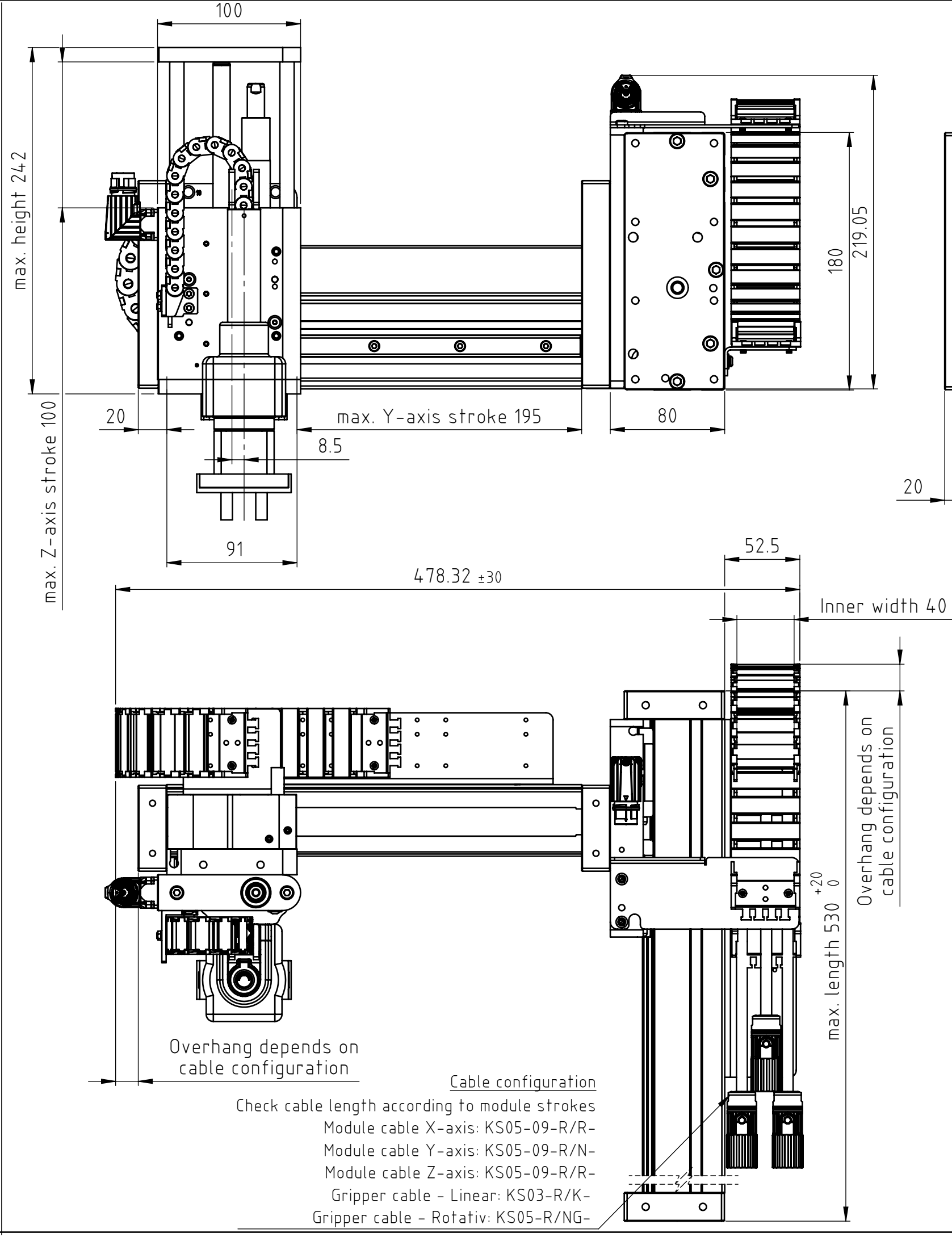
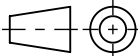


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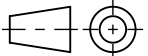
		A	Document created		07.09.2026		JB	FH
		Rev.	Change			Date	Author	Appr.
General tolerance DIN ISO 2768 – mK		Created by J.-E. Beekhuis		Status 07.09.2026/jb		Material		
LinMot®		0380-0169_SG01_335-1CE37Sx120F_195-1CF37Sx60_160-H-23x80F-MS13_HC05_TC01				☐ Safety Rel.	Weight (g)	
						☐ UL-Rel.	18836.91	
NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach		Title, additional title SG01_335-1CE37Sx120F_195-1CF37Sx60_160-H-23x80F-MS13_HC05_TC01				Document type Assembly drawing		
						Drawing number / Index 0380-0169A		
Template type: SW2020 Version: V1-1 SW_A3_hori_Sheet_format_V1-1		Semi-Gantry / EM01-37x120 & FM01-37x60 / Handling Art.No.: 0300-0093				Scale 1:3		Sheet 1 / 3
						A3		

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Stage type	SG01_335-1CE37Sx120F_195-1CF37Sx60_160-H-23x80F-MS13_HC05_TC01				
Motor type	X-axis: 0150-4738 EM01-37-530_335_1CE37Sx120F-HP-BE02-MD01-R	Y-axis: 0150-4988 FM01-37-430_295_1CF37Sx60-HP-BE01-MD01-N	Z-axis: 0150-6029 DM03-23x80F-XP-R-160_CS10_MS13	Gripper: 0150-6302 GM51-23Sx80F-XP-K_35-18_E50x08-NG_GT21_MS03	
Serial number				Serial number	
Stroke	135	195	100	Stroke	18
Max. Force@48VDC [N]	-	-	73	Max. clamping force [N]	41
Max. Force@72VDC [N]	255	4.9	73	Max. continuous clamping force: Closing direction [N]	12
Position resolution [mm]	0.005	0.005	0.002	Max. continuous clamping force: Opening direction [N]	8
Position resolution + External encoder mm]	0.001	0.001	-	Max. torque [Nm]	1.03
Repeatability [mm]	±0.05	±0.05	±0.05	Continuous torque [Nm]	0.32
Repeatability + External encoder mm]	±0.001	±0.001	-	Repeatability - Linear [mm]	±0.05
Max. Velocity@48VDC [m/s]	-	-	4.9	Reapatibility - Rotary [°]	±0.05
Max. Velocity@72VDC [m/s]	3.5	4.9	7.3	Min. opening/ closing time [s]	0.02
Deviation	see datasheet			Max. roation speed [rpm]	3000 (×see note in datasheet)
Moving mass [kg]	1.810	0.590	0.730		
Module mass [kg]	7.840	6.820	1.620	Module mass [kg]	1.100
Cable weight [kg/m]	0.083			Max. payload	see datasheet
Cable chain weight [kg/m]	0.210		-	Grease type - Motor	0150-6972 ELKALUB VP 874
Max. payload	see datasheet			Grease type - lever mechanic	0150-2744 Interflon Food Grease 2 für INOX
Grease type - Motor	0150-1954 / 0150-1955 LU02				
Grease type - rail carriage / Bearings	0150-6972 LU11-1000				
Grease type - MagSpring	-		0150-1954 / 0150-1955 LU02		

Accessories				
Stage type	SG01_335-1CE37Sx120F_195-1CF37Sx60_160-H-23x80F-MS13_HC05_TC01			
Motor type	X-axis: 0150-4738 EM01-37-530_335_1CE37Sx120F-HP-BE02-MD01-R	Y-axis: 0150-4988 FM01-37-430_295_1CF37Sx60-HP-BE01-MD01-N	Z-axis: 0150-6029 DM03-23x80F-XP-R-160_CS10_MS13	Gripper: 0150-6302 GM51-23Sx80F-XP-K_35-18_E50x08-NG_GT21_MS03
Motor cable	Selected: 0150-3884 KS05-09-R/R-2	Selected: 0150-3881 KS05-09-R/N-2	Selected: 0150-3884 KS05-09-R/R-2	Selected: 0150-2186 KS03-R/K-2 0150-6571 KS05-09-R/NG-2
Safety	Not selected	Not selected	Not selected	Not selected
Clean room	Not selected	Not selected	Not selected	Not selected
External encoder	Not selected	Not selected	Not selected	Not selected
Force sensor	Not selected	Not selected	Not selected	Not selected
Trailing chain kit	Selected: 0150-4812 EM01-TC300-48x18	Selected: 0150-4999 FM01-TC300-48x18	Not selected	Selected: 0150-6443 GM51-23-TC-26x12.5
Pneumatic holding brake	Not selected	Not selected	Not selected	Not selected
Pillar system	Not selected	Not selected	Not selected	Not selected

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Rev.	Change	Date	Author	Appr.

General tolerance DIN ISO 2768 - mK	Created by J.-E. Beekhuis	Status 07.09.2026/ jb	Material	
	0380-0169_SG01_335-1CE37Sx120F_195-1CF37Sx60_160-H-23x80F-MS13_HC05_TC01		☐ Safety Rel. ☐ UL-Rel.	Weight (g)
	NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach		Document type Assembly drawing	
	Template type: SW2020 Version: V1-1 SW_A3_hori_Sheet_format_V1-1		Drawing number / Index 0380-0169A	
Semi-Gantry / EM01-37x120 & FM01-37x60 / Handling Art.No.: 0300-0093		Scale 1:5		Sheet 2 / 3
				A3

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