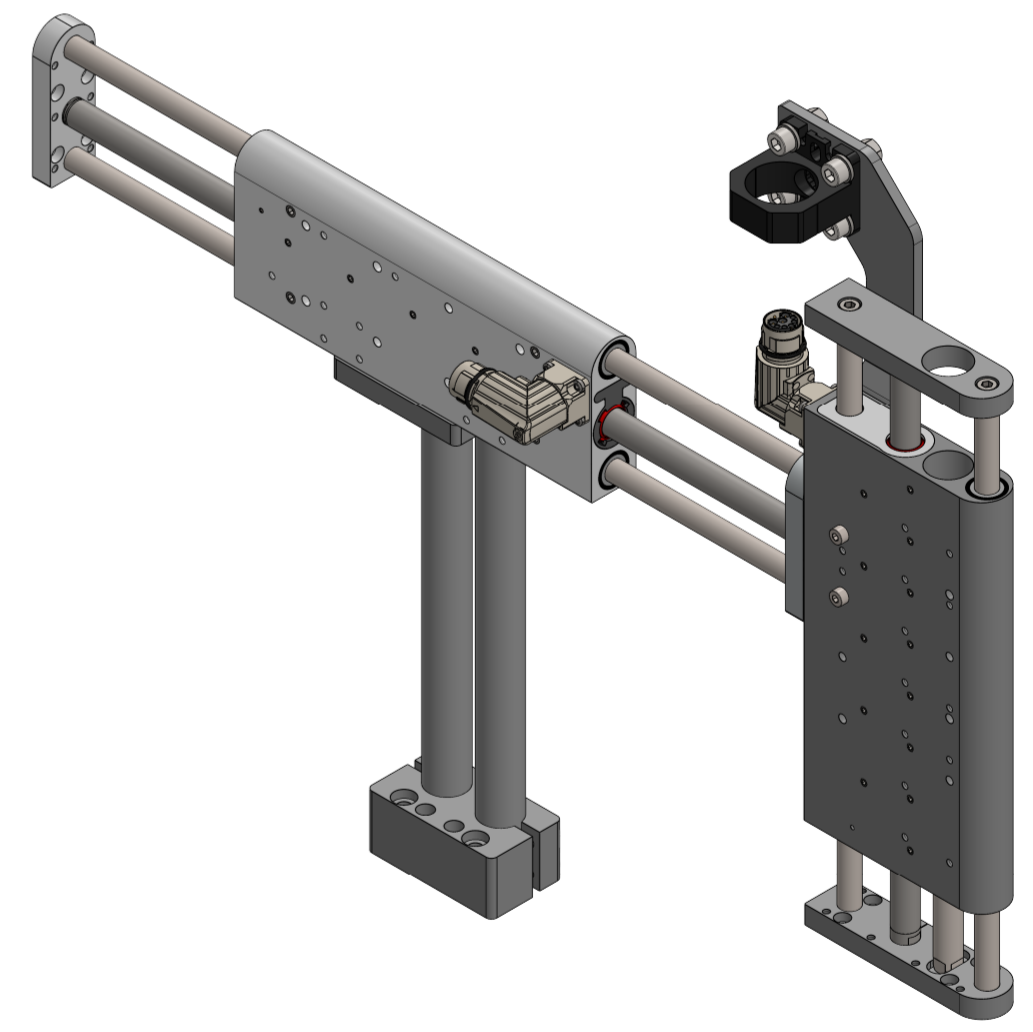
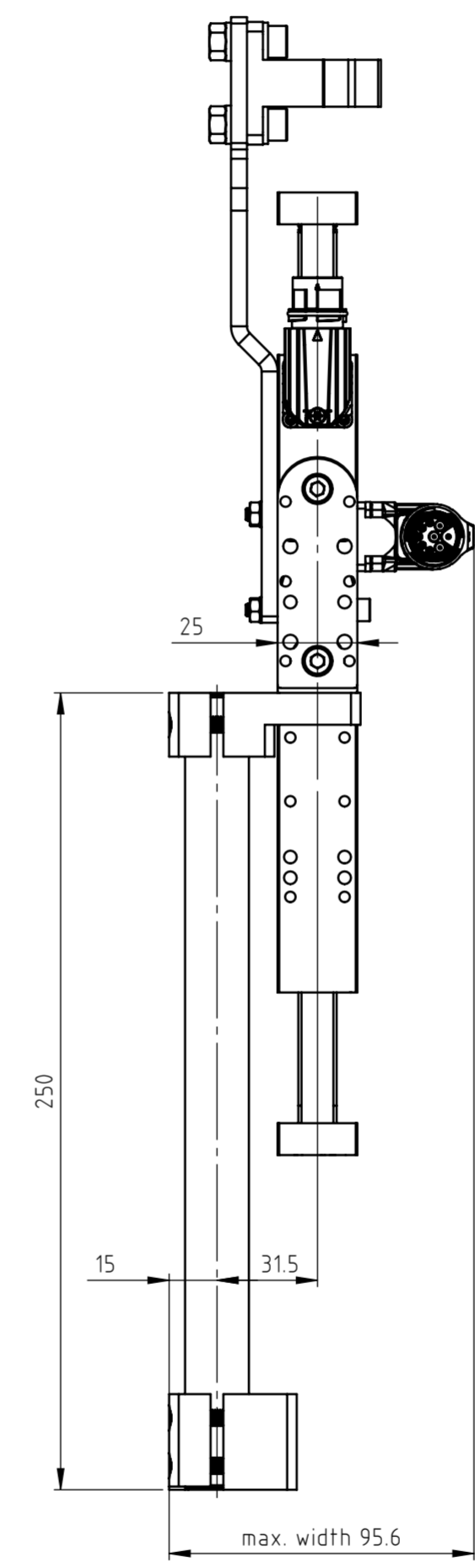
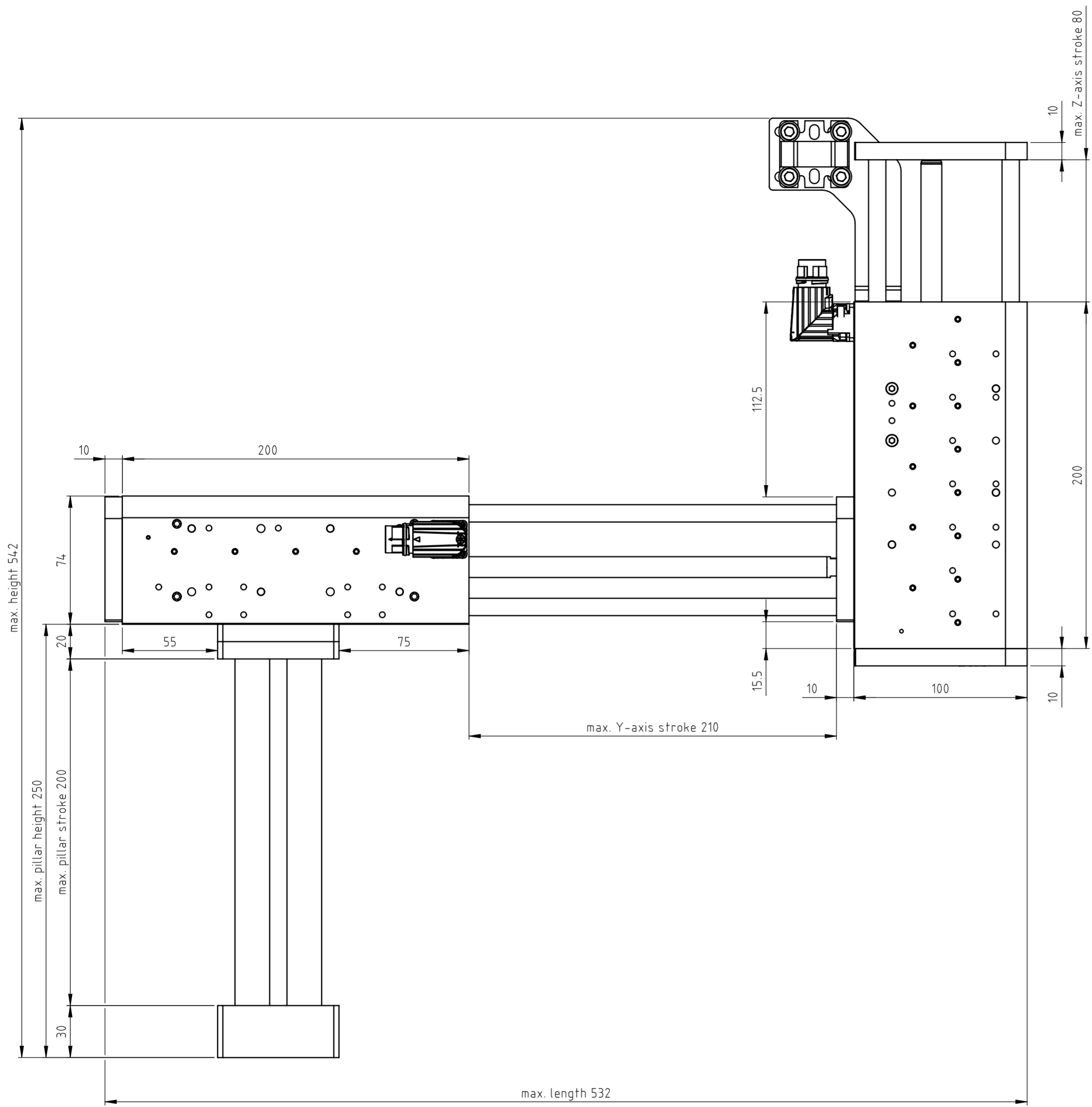


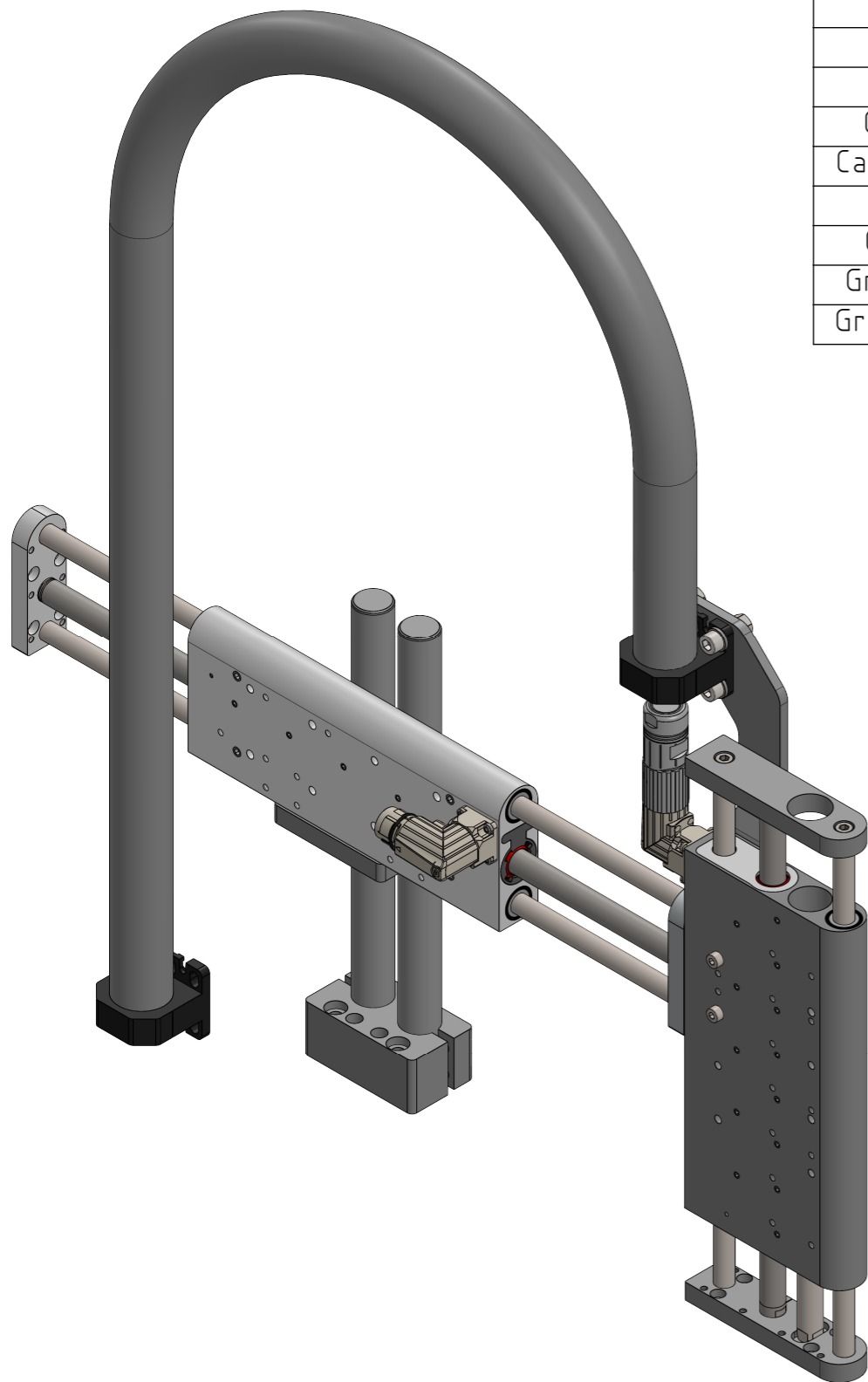
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|------|------------------|------------|--------------|
| | | | |
| A | Document created | 14.11.2024 | JB FH |
| Rev. | Change | Date | Author Appr. |

| | | | |
|---|---|--|-------------------|
| General tolerance DIN ISO 2768 - mK | Created by J.-E. Beekhuis | Status 06.02.2025/jb | Material |
| LinMot® | File name 0380-0003_PP03_210-23x160F_80-23x160F-MS11_PS01_TC01 | <input type="checkbox"/> Safety Rel. <input type="checkbox"/> UL-Rel. | Weight (g) |
| NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach | Title, additional title PP03_210-23x160F_ 80-23x160F-MS11_PS01_TC01 | Document type Assembly drawing | |
| Template type: SW2020 Version: V1-1 SW_A2_hori_Sheet_format_V1-1 | Pick&Place / DM01-23 & DM03-23 Art.No.: 0300-0003 | Drawing number / Index 0380-0003A | |
| | Scale 1:2 | | Sheet 1 / 3 A2 |

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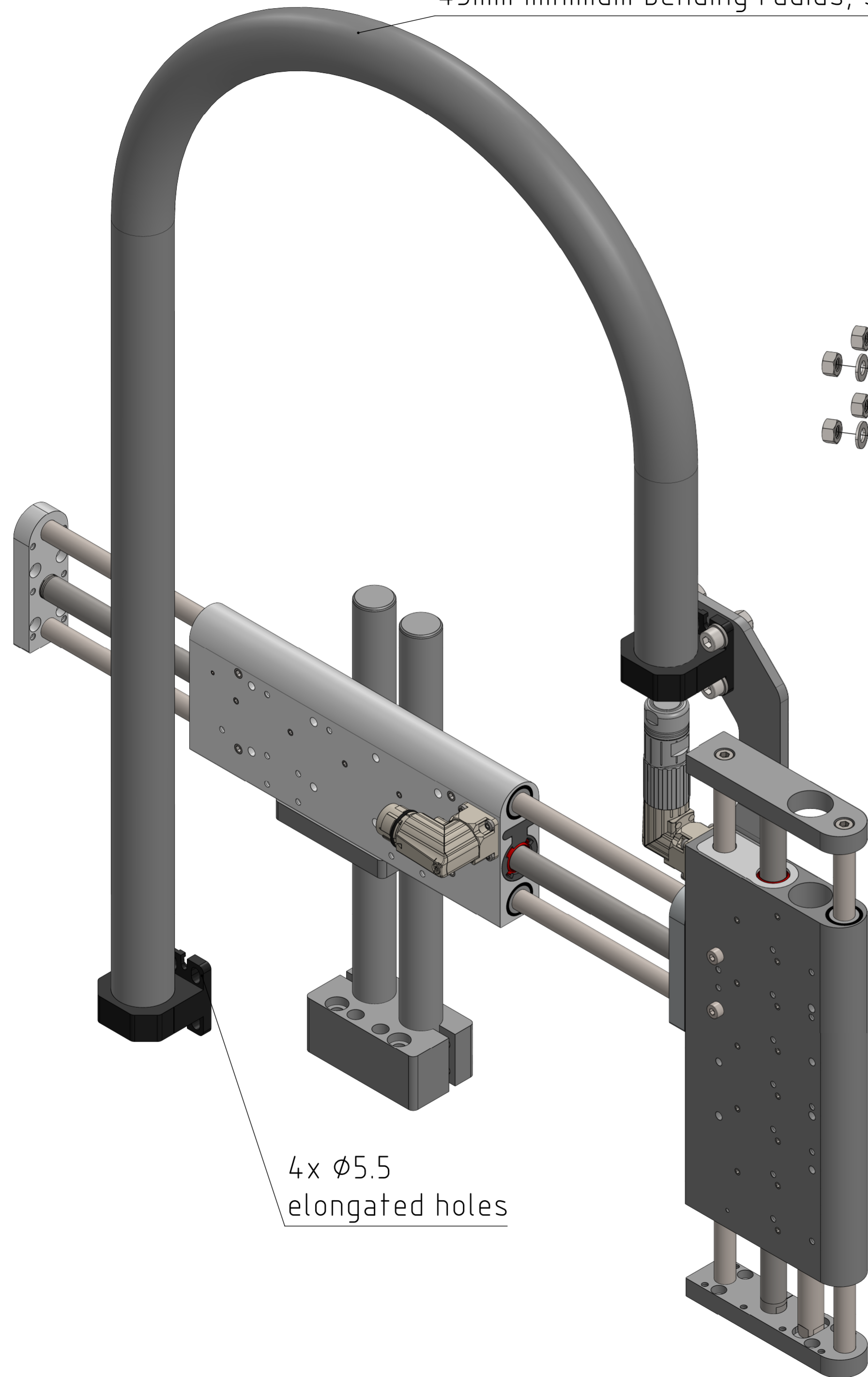
| | | |
|---------------------------------------|---|--|
| Stage type | PP03_210-23x160F_80-23x160F-MS11_PS01_TC01 | |
| Motor type | Horizontal: 0150-6233 DM01-23x160H-XP-R-210 | Vertical: 0150-6109 DM03-23x160H-XP-R-80_CS10_MS11 |
| Stroke | 210 | 80 |
| Max. Force@48VDC [N] | 137 | 137 |
| Max. Force@72VDC [N] | 137 | 137 |
| Position resolution [mm] | 0.002 | 0.002 |
| Repeatability [mm] | ±0.05 | ±0.05 |
| Max. acceleration [m/s ²] | < 50 | < 50 |
| Max. Velocity@48VDC [m/s] | 4.9 | 4.9 |
| Max. Velocity@72VDC [m/s] | 7.3 | 7.3 |
| Deviation | see datasheet | see datasheet |
| Moving mass [kg] | 0.940 | 0.800 |
| Module mass [kg] | 1.910 | 2.140 |
| Pillar mass [kg] | | 1.530 |
| Cable weight [kg/km] | | 83.0 |
| Cable tube weight [kg/m] | | 0.084 |
| Max. payload | see datasheet | see datasheet |
| Grease type - Motor | 0150-1954 / 0150-1955 LU02 | |
| Grease type - Bearings | 0260-0061 SKF LGFP 2 | |
| Grease type - MagSpring | 0150-1954 / 0150-1955 LU02 | |

| Accessories | | |
|-----------------|---|--|
| Stage type | PP03_210-23x160F_80-23x160F-MS11_PS01_TC01 | |
| Motor type | Horizontal: 0150-6233 DM01-23x160H-XP-R-210 | Vertical: 0150-6109 DM03-23x160H-XP-R-80_CS10_MS11 |
| Safety | Not available | Not available |
| Clean room | Available: not chosen | Not available |
| External sensor | Not available | Not available |
| Cover | Not available | Not available |
| Cable guide | Chosen: TC01 | Chosen: TC01 |
| Pillar system | 0150-6388 Z01-SB-20x2 0150-6386 Z01-SL-20x250 0150-6387 Z01-SA-20x2 | Not available |
| Force sensor | Available: not chosen | Available: not chosen |
| Fan Kit | Not available | Not available |

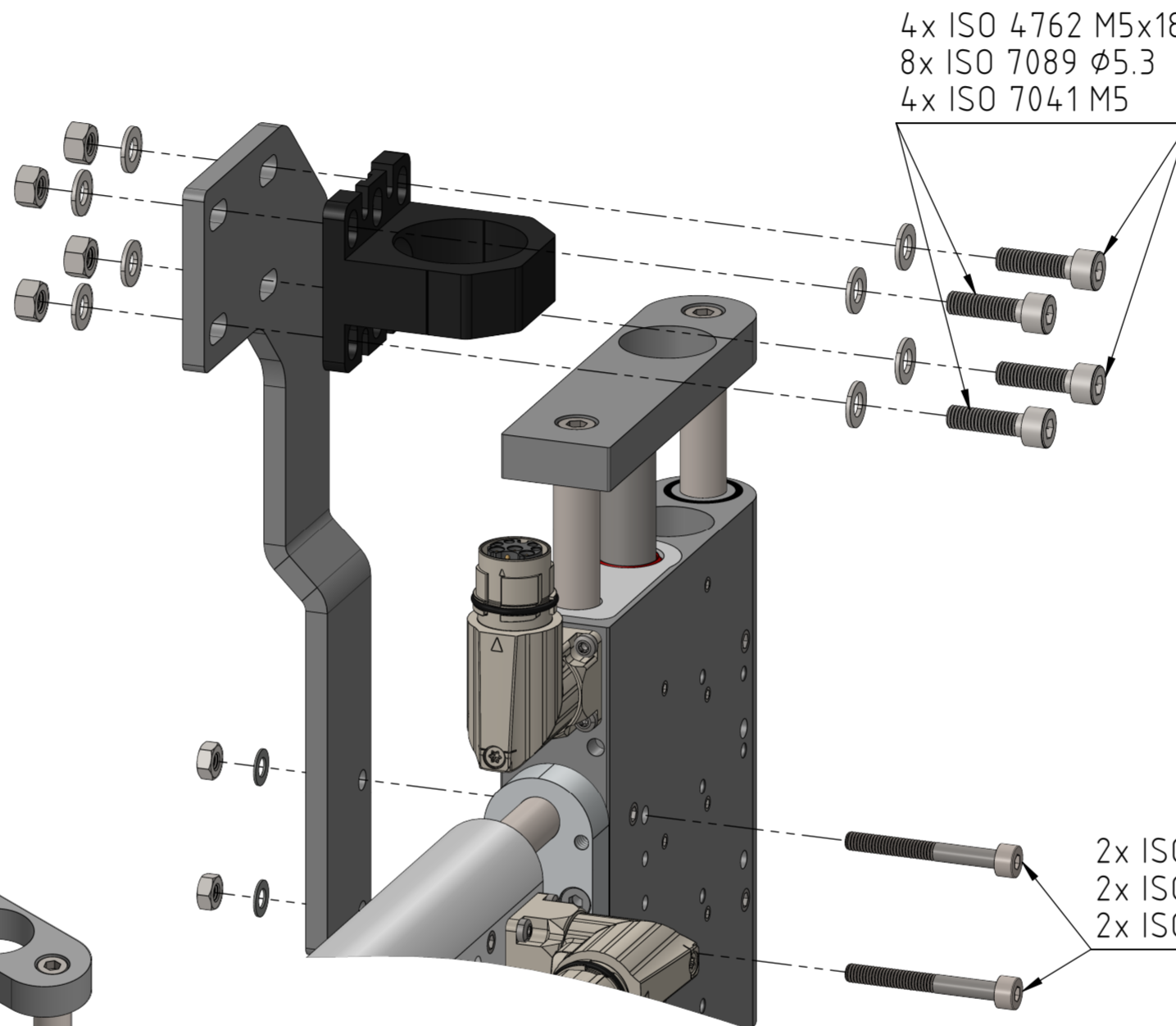
| Rev. | Change | Date | Author | Appr. |
|------|------------------|------------|--------|-------|
| A | Document created | 14.11.2024 | JB | FH |

| | | | |
|---|---|-------------------------|---|
| General tolerance DIN ISO 2768 - mK | Created by J.-E. Beekhuis | Status 06.02.2025/jb | Material |
| LinMot® | 0380-0003_PP03_210-23x160F_80-23x160F-MS11_PS01_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 PP03_210-23x160F_ 80-23x160F-MS11_PS01_TC01 Pick&Place / DM01-23 & DM03-23 Art.No.: 0300-0003 | | Document type Assembly drawing Drawing number / Index 0380-0003A |
| Template type: SW2020 Version: V1-1 SW_A3_hori_Sheet_format_V1-1 | Scale 1:3 | | Sheet 2 / 3 A3 |

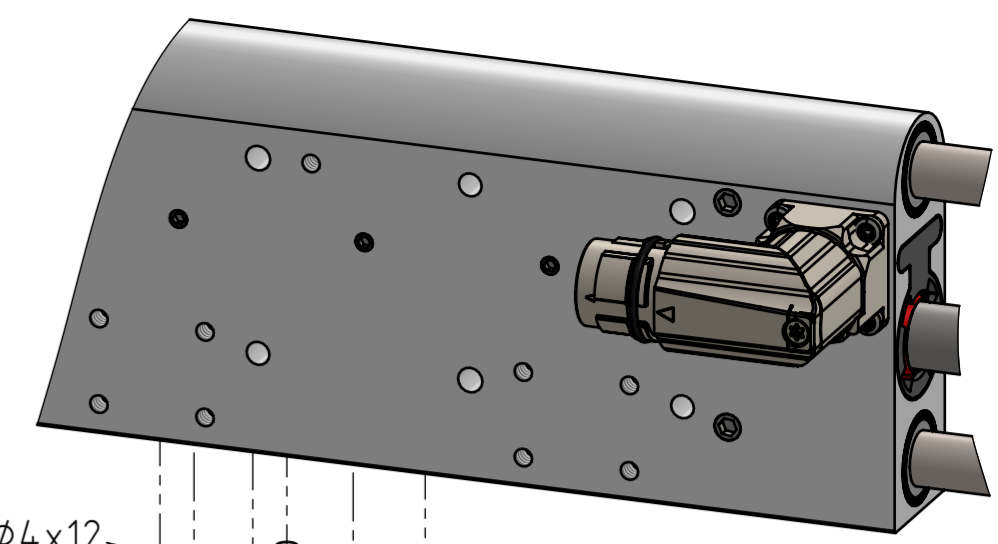
TC01: 1m cable tube
 45mm minimum bending radius, static



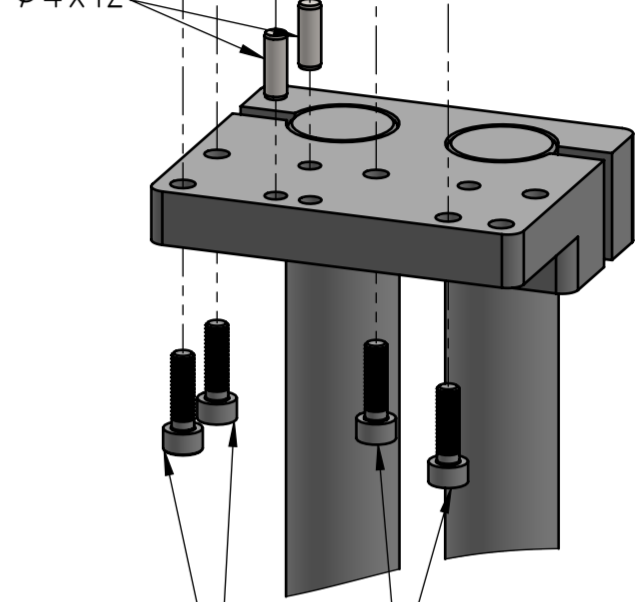
4x $\phi 5.5$
 elongated holes



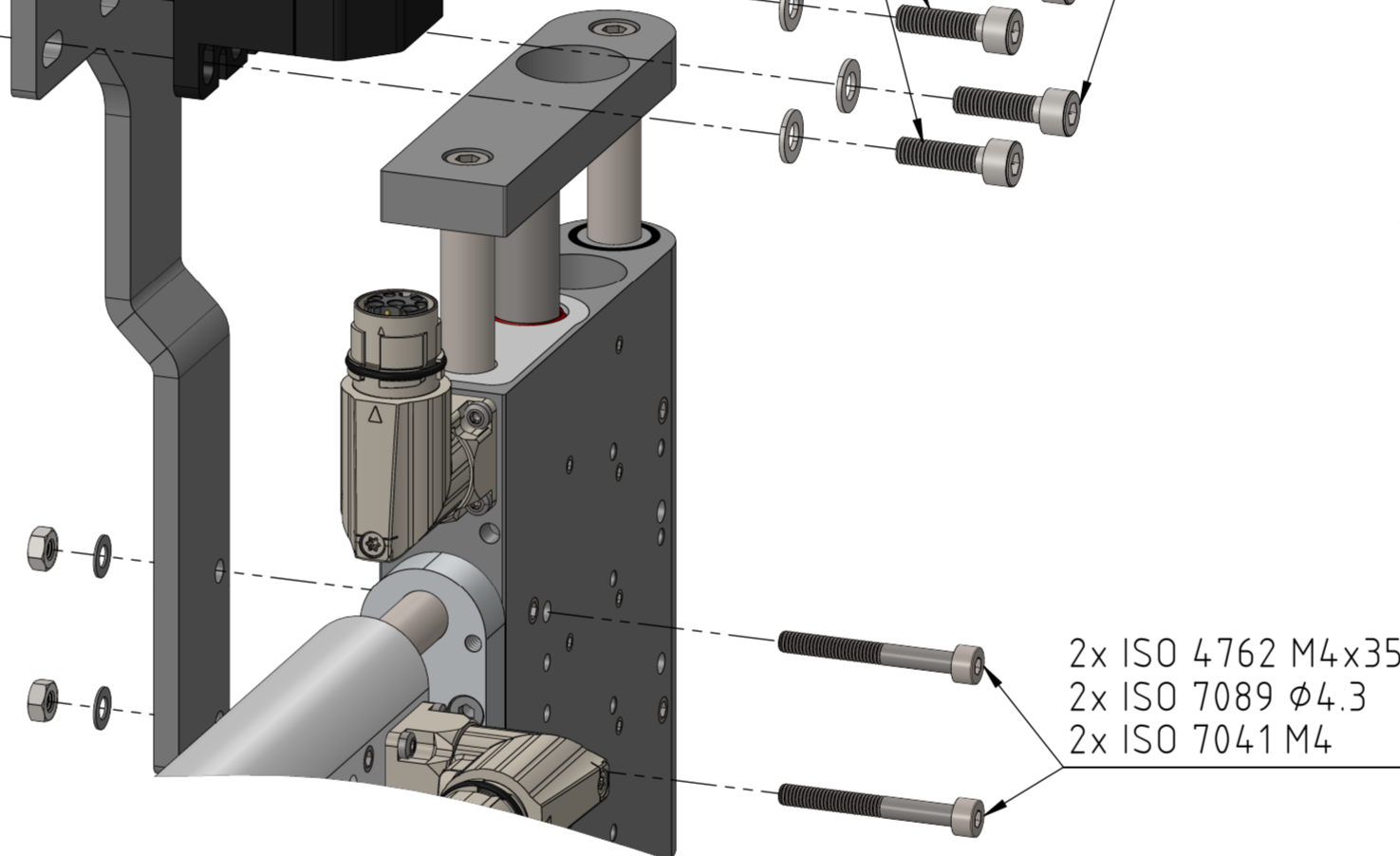
4x ISO 4762 M5x18
 8x ISO 7089 $\phi 5.3$
 4x ISO 7041 M5



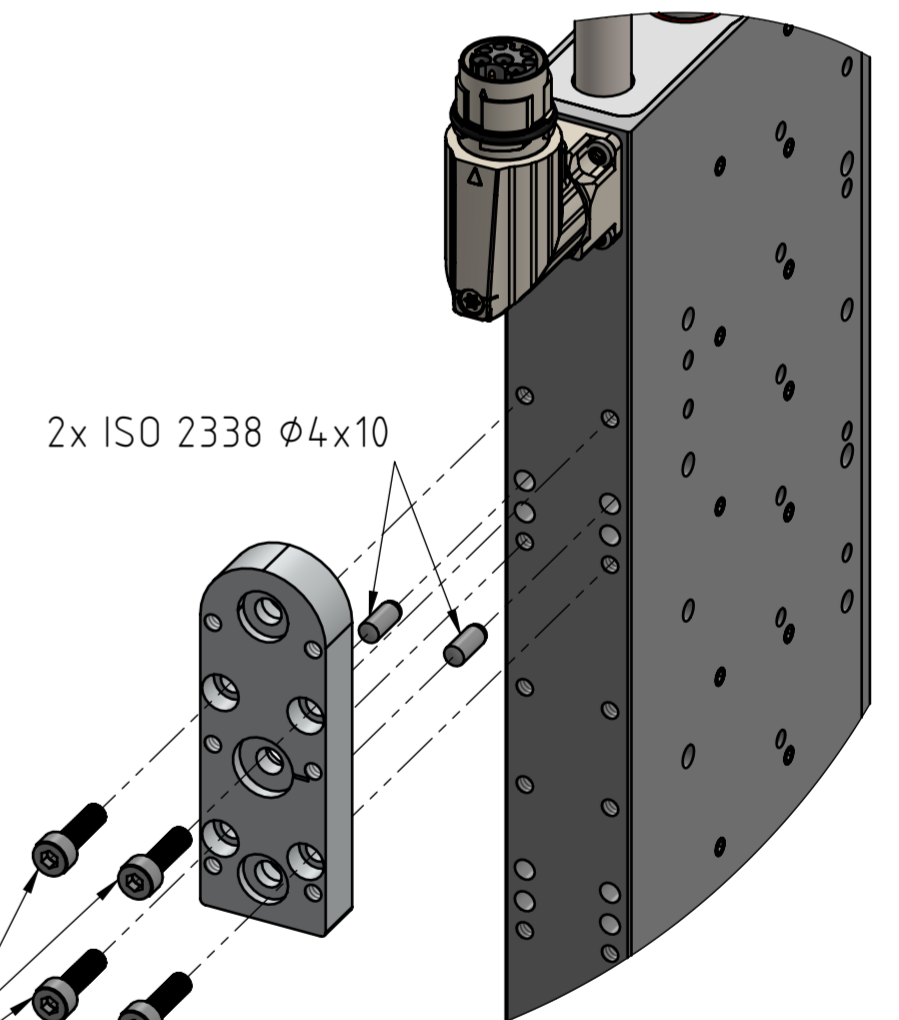
2x ISO 2338 $\phi 4 \times 12$



4x ISO 4762 M4x14

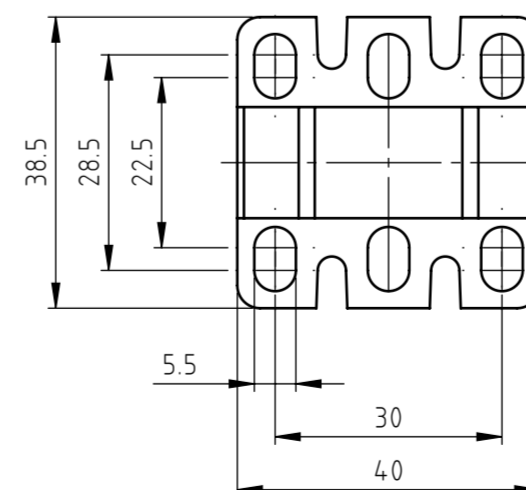


2x ISO 4762 M4x35
 2x ISO 7089 $\phi 4.3$
 2x ISO 7041 M4



2x ISO 2338 $\phi 4 \times 10$

4x ISO 4762 M4x14



| Rev. | Change | Date | Author | Appr. |
|------|------------------|------------|--------|-------|
| A | Document created | 14.11.2024 | JB | FH |

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|---|---|--|------------|
| General tolerance DIN ISO 2768 - mK | Created by J.-E. Beekhuis | Status 06.02.2025/jb | Material |
| LinMot® | File name 0380-0003_PP03_210-23x160F_80-23x160F-MS11_PS01_TC01 | <input type="checkbox"/> Safety Rel. <input type="checkbox"/> UL-Rel. | Weight (g) |
| NTI AG LinMot & MagSpring Bodenaeckerstrasse 2 CH-8957 Spreitenbach | Title, additional title PP03_210-23x160F_ 80-23x160F-MS11_PS01_TC01 | Document type Assembly drawing | |
| Template type: SW2020 Version: V1-1 SW_A2_hori_Sheet_format_V1-1 | Pick&Place / DM01-23 & DM03-23 Art.No.: 0300-0003 | Drawing number / Index 0380-0003A | |
| Scale 3:5 | Sheet 3 / 3 | | A2 |