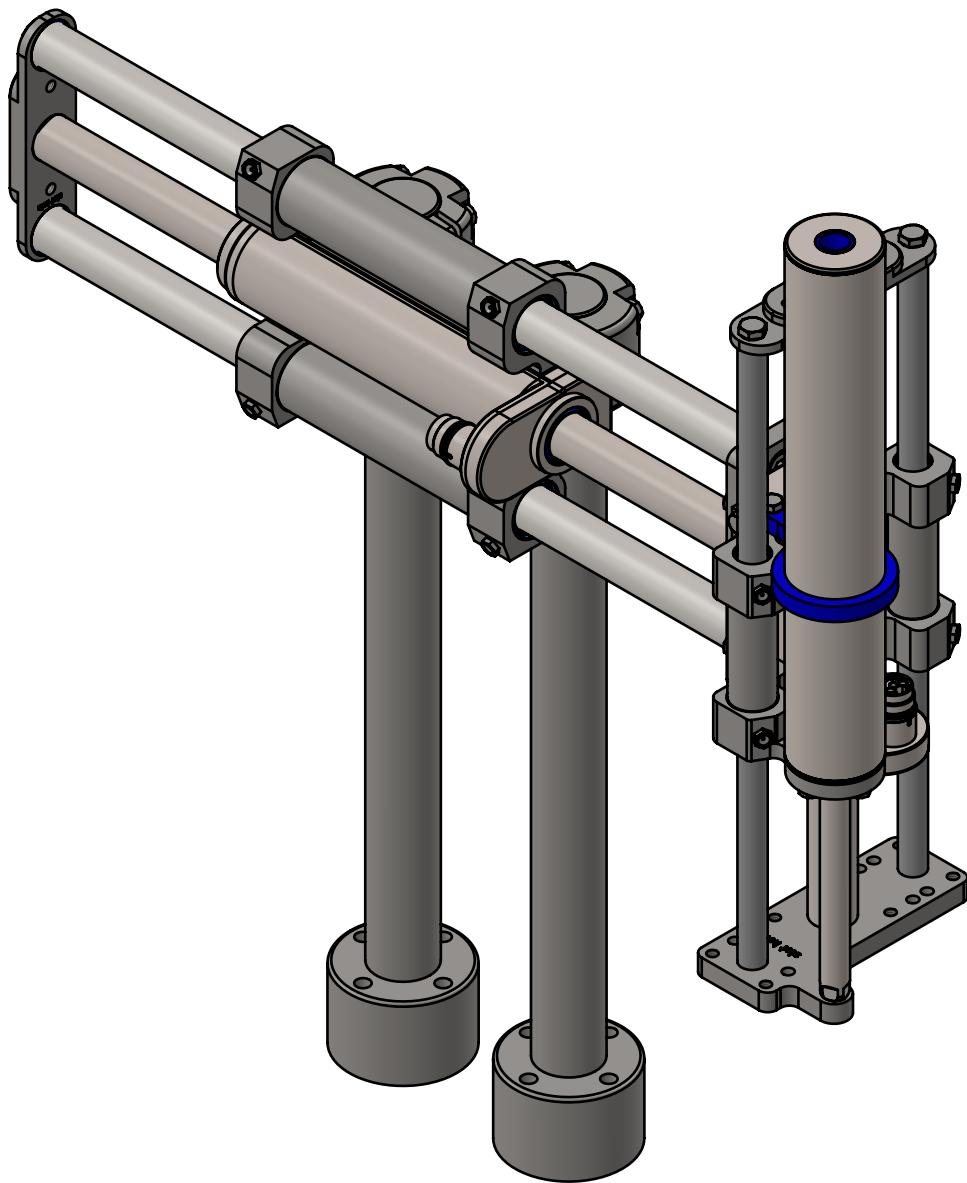
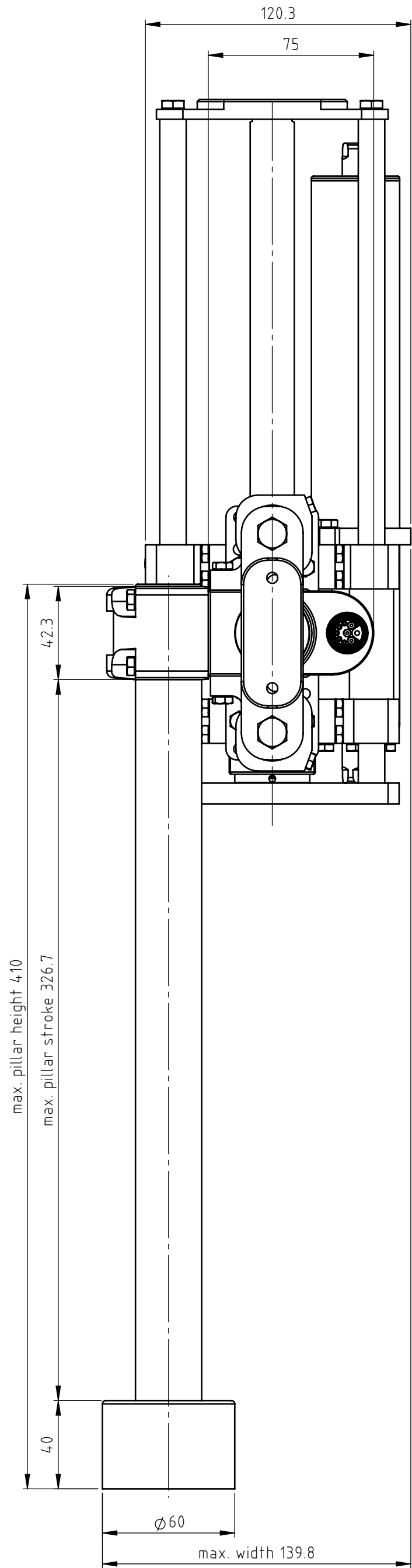
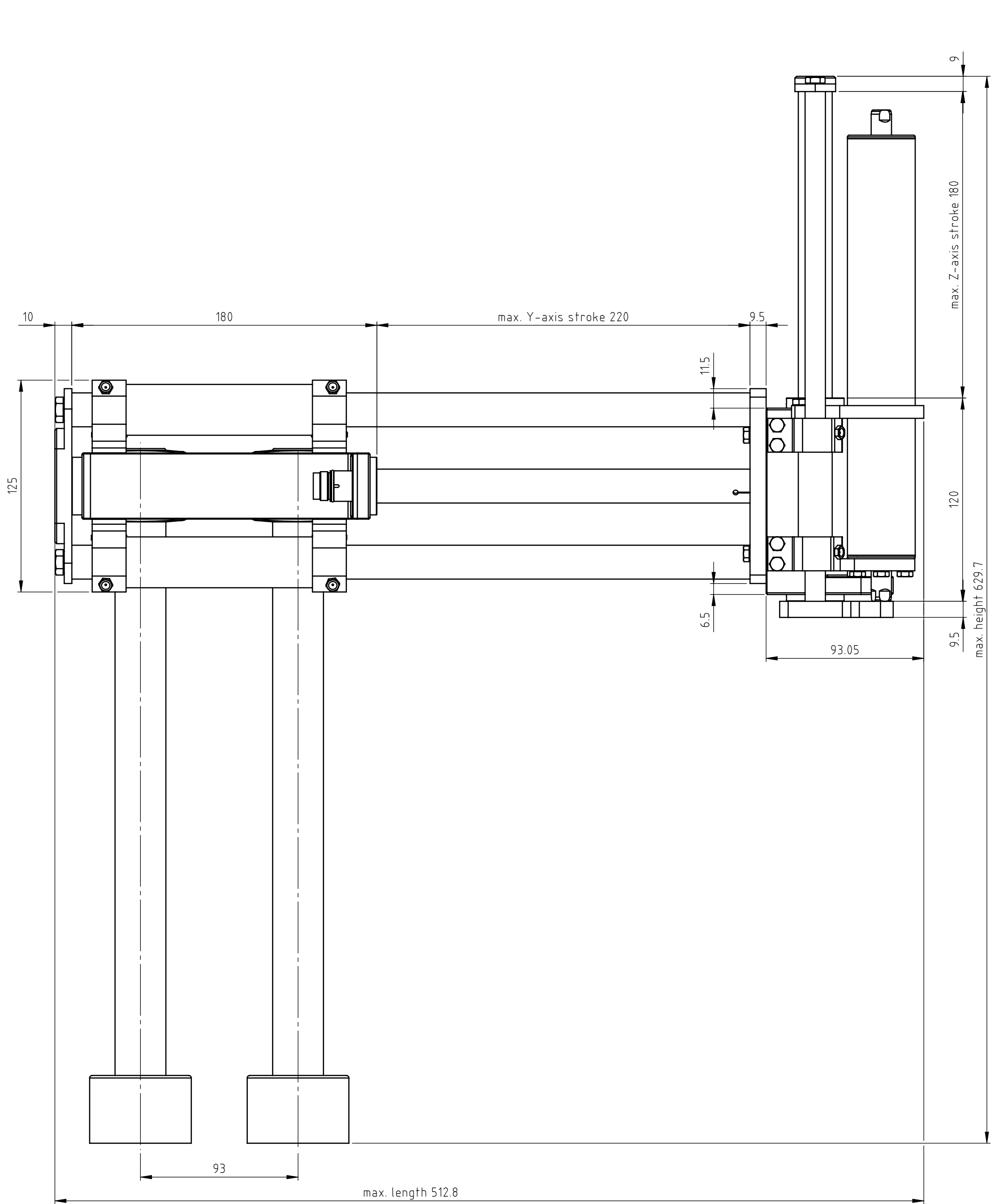


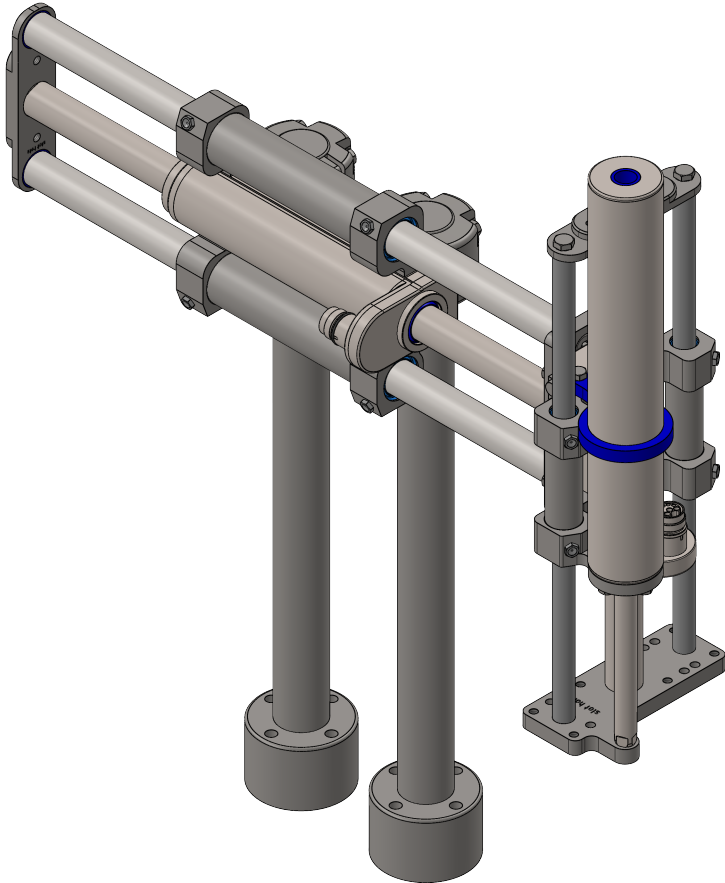
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| A    | Document created | 20.05.2025 | JB     | DG    |
| Rev. | Change           | Date       | Author | Appr. |

|                                                                                                                      |                                                                           |                                      |                                      |                |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------|--------------------------------------|----------------|---------------------------------------------------------------------------------------|
| General Tolerance<br>DIN ISO 2768 - mK                                                                               | Created by<br>J.-E. Beekhuis                                              | Status<br>20.05.2025/jb              | Material                             |                |                                                                                       |
| <b>LinMot®</b>                                                                                                       | File name<br>0380-0036_PP13_220-37Sx120_180-37Sx60-BE20-MS04_MT12         |                                      | <input type="checkbox"/> Safety Rel. |                | Weight (g)                                                                            |
|                                                                                                                      |                                                                           |                                      | <input type="checkbox"/> UL-Rel.     |                |                                                                                       |
|                                                                                                                      | NTI AG LinMot & MagSpring<br>Bodenaeckerstrasse 2<br>CH-8957 Spreitenbach |                                      | Document type<br>Assembly drawing    |                |                                                                                       |
| Title, additional title<br>PP13_220-37Sx120_<br>180-37Sx60-BE20-MS04_MT12<br>Pick&Place / SM01-37Sx120 & SM01-37Sx60 |                                                                           | Drawing number / Index<br>0380-0036A |                                      |                |                                                                                       |
| Template type: SW2020<br>Version: V1-1<br>SW_A2_hori_Sheet_format_V1-1                                               |                                                                           | Art.No: 0300-1005                    |                                      | Scale<br>1:2   |  |
|                                                                                                                      |                                                                           |                                      |                                      | Sheet<br>1 / 3 | A2                                                                                    |

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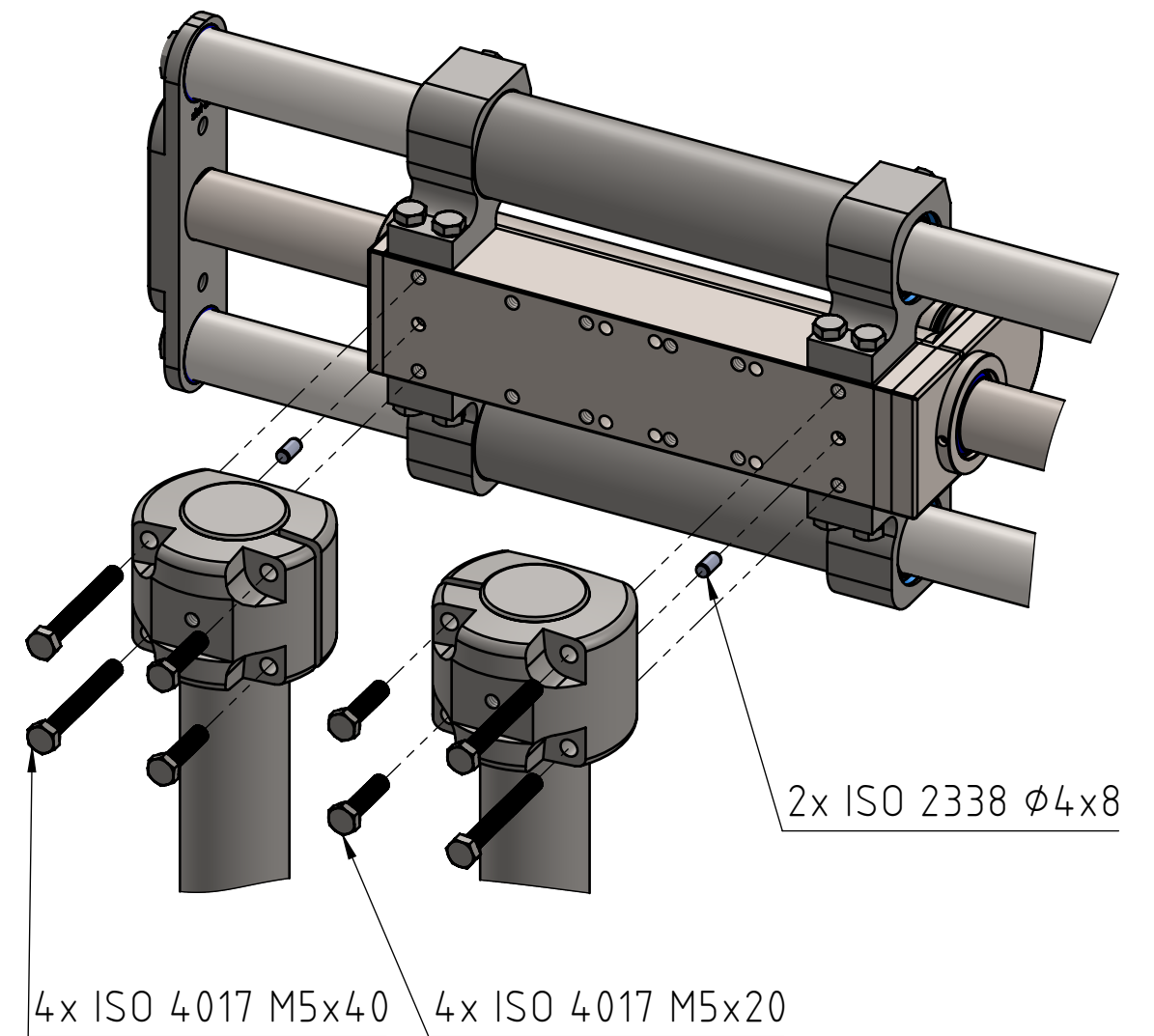
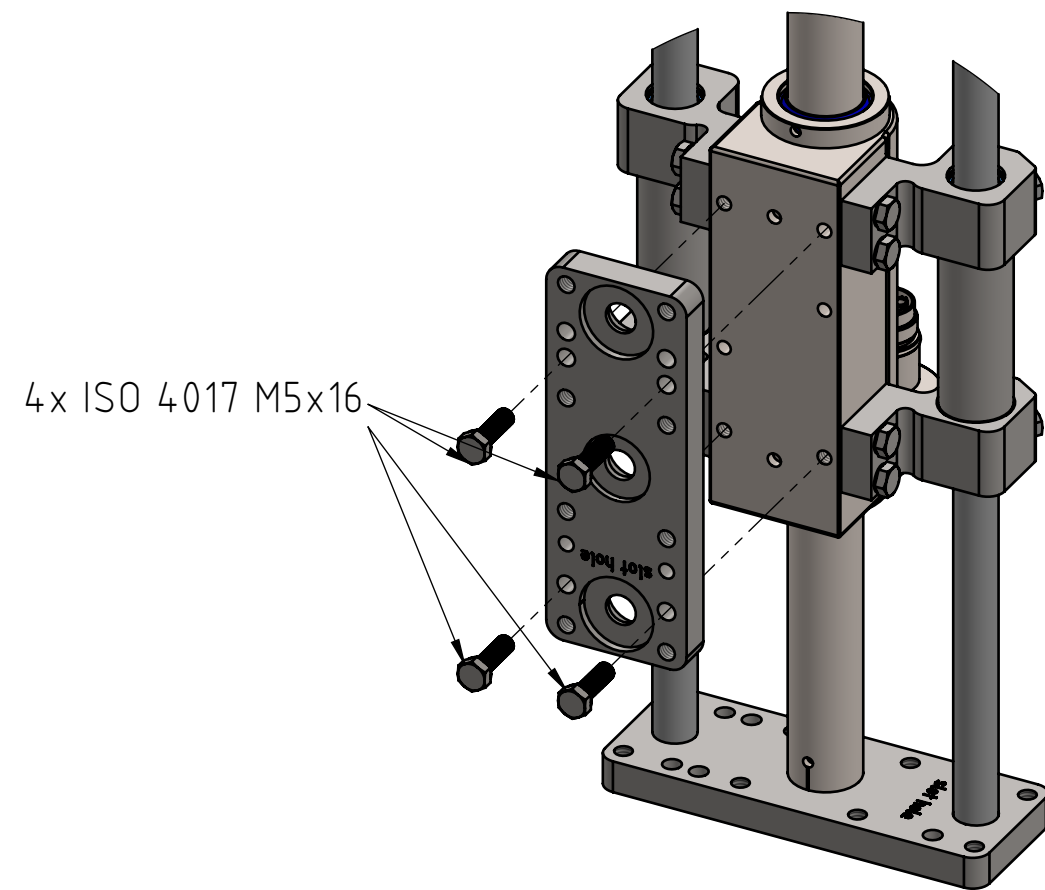
|                           |                                                   |                                                         |
|---------------------------|---------------------------------------------------|---------------------------------------------------------|
| Stage type                | PP13_220-37Sx120_180-37Sx60-BE20-MS04_MT12        |                                                         |
| Motor type                | Horizontal: 0150-4405 SM01-37Sx120F-HP-R-220_SSCP | Vertical: 0150-6711 SM01-37Sx60-XP-R-180_BE20_MS04_SSCP |
| Stroke                    | 220                                               | 180                                                     |
| Max. Force@48VDC [N]      | 255                                               | 128                                                     |
| Max. Force@72VDC [N]      | 255                                               | 128                                                     |
| Position resolution [mm]  | 0.005                                             | 0.005                                                   |
| Repeatability [mm]        | ±0.05                                             | ±0.05                                                   |
| Max. acceleration [m/s2]  | < 15                                              | < 15                                                    |
| Max. Velocity@48VDC [m/s] | 1.5                                               | 1.5                                                     |
| Max. Velocity@72VDC [m/s] | 2                                                 | 2                                                       |
| Deviation                 | see installation guide                            | see installation guide                                  |
| Moving mass [kg]          | 2.485                                             | 1.930                                                   |
| Module mass [kg]          | 4.630                                             | 5.120                                                   |
| Pillar mass [kg]          | 6.472                                             |                                                         |
| Cable weight [kg/km]      | 83.0                                              |                                                         |
| Cable tube weight [kg/m]  | -                                                 |                                                         |
| Max. payload              | see installation guide                            | see installation guide                                  |
| Grease type - Motor       | 0150-1954 / 0150-1955 LU02                        |                                                         |
| Grease type - Bearing     | 0150-1954 / 0150-1955 LU02                        |                                                         |
| Grease type - MagSpring   | 0150-1954 / 0150-1955 LU02                        |                                                         |

|               |                                                   |                                                         |
|---------------|---------------------------------------------------|---------------------------------------------------------|
| Accessories   |                                                   |                                                         |
| Stage type    | PP13_220-37Sx120_180-37Sx60-BE20-MS04_MT12        |                                                         |
| Motor type    | Horizontal: 0150-4405 SM01-37Sx120F-HP-R-220_SSCP | Vertical: 0150-6711 SM01-37Sx60-XP-R-180_BE20_MS04_SSCP |
| Cable guide   | Available: Not chosen                             |                                                         |
| Pillar system | Chosen: PP13_MT12                                 |                                                         |

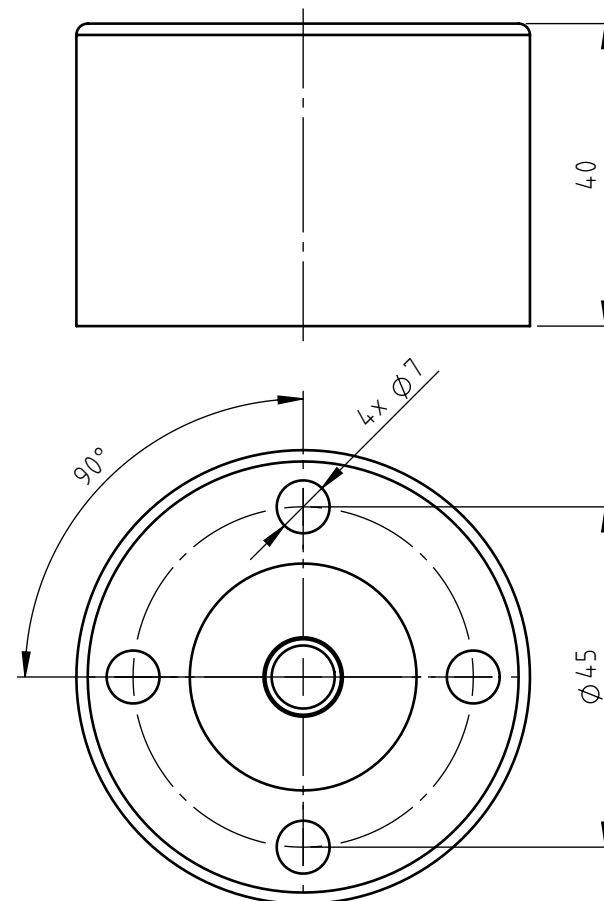
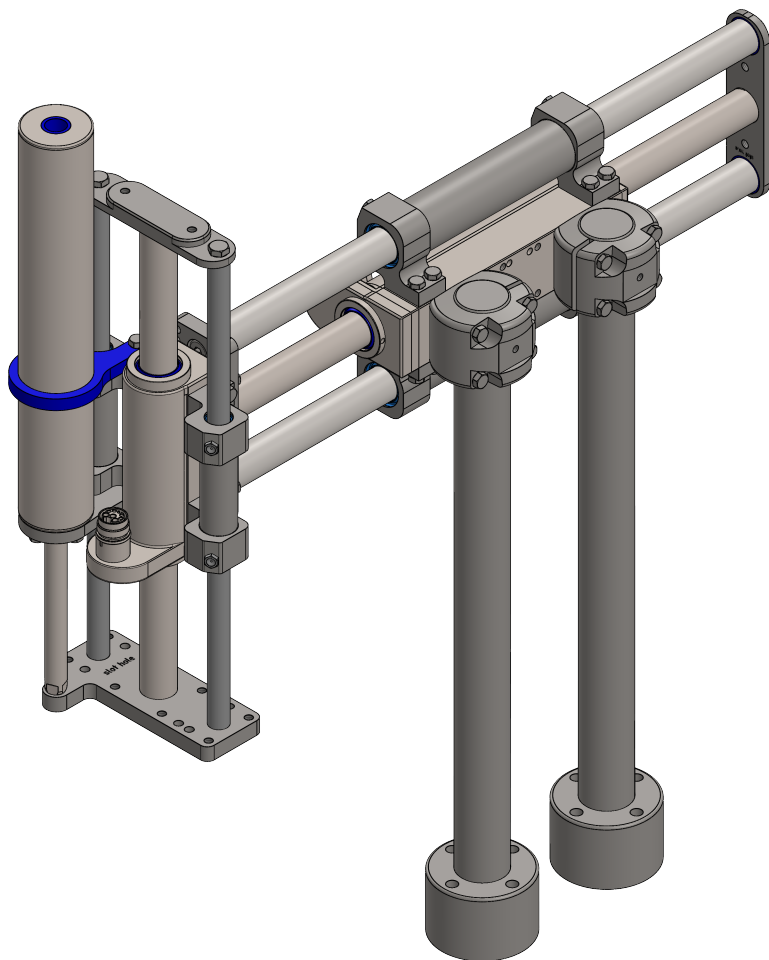
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| Rev. | Change           | Date       | Author | Appr. |

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|---------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|--------------------------------------|------------|
| General tolerance<br>DIN ISO 2768 - mK                                    | Created by<br>J.-E. Beekhuis                                          | Status<br>20.05.2025/jb | Material                             |            |
| NTI AG LinMot & MagSpring<br>Bodenaeckerstrasse 2<br>CH-8957 Spreitenbach | 0380-0036_PP13_220-37Sx120_180-37Sx60-BE20-MS04_MT12                  |                         | <input type="checkbox"/> Safety Rel. | Weight (g) |
|                                                                           |                                                                       |                         | <input type="checkbox"/> UL-Rel.     |            |
|                                                                           | Title, additional title<br>PP13_220-37Sx120_180-37Sx60-BE20-MS04_MT12 |                         | Document type<br>Datasheet           |            |
| Template type: SW2020<br>Version: V1-1<br>SW_A3_hori_Sheet_format_V1-1    | Pick&Place / SM01-37Sx120 & SM01-37Sx60<br>Art.No.: 0300-1005         |                         | Drawing number / Index<br>0380-0036A |            |
| Scale<br>1:4                                                              |                                                                       |                         | Sheet<br>2 / 3                       | A3         |

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0150-4500 Z01-SF-30-SSC  
Adapter dimensions



|      |                  |            |        |       |
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| Rev. | Change           | Date       | Author | Appr. |

|                                                                           |                                                                                                                                            |                         |                                                                          |                        |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------|------------------------|
| General tolerance<br>DIN ISO 2768 - mK                                    | Created by<br>J.-E. Beekhuis                                                                                                               | Status<br>20.05.2025/jb | Material                                                                 |                        |
| <b>LinMot®</b>                                                            | 0380-0036_PP13_220-37Sx120_180-37Sx60-BE20-MS04_MT12                                                                                       |                         | <input type="checkbox"/> Safety Rel.<br><input type="checkbox"/> UL-Rel. | Weight (g)<br>17660.09 |
| NTI AG LinMot & MagSpring<br>Bodenaeckerstrasse 2<br>CH-8957 Spreitenbach | Title, additional title<br>PP13_220-37Sx120_<br>180-37Sx60-BE20-MS04_MT12<br>Pick&Place / SM01-37Sx120 & SM01-37Sx60<br>Art.No.: 0300-1005 |                         | Document type<br>Assembly drawing                                        |                        |
|                                                                           |                                                                                                                                            |                         | Drawing number / Index<br>0380-0036A                                     |                        |
| Template type: SW2020<br>Version: V1-1<br>SW_A3_hori_Sheet_format_V1-1    | Scale<br>1:2                                                                                                                               |                         | Sheet<br>3 / 3                                                           | A3                     |