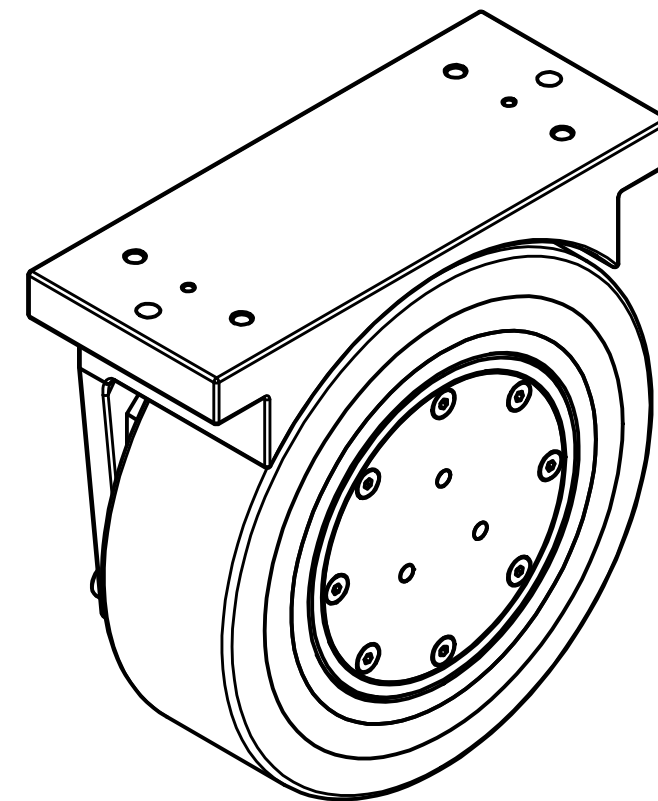
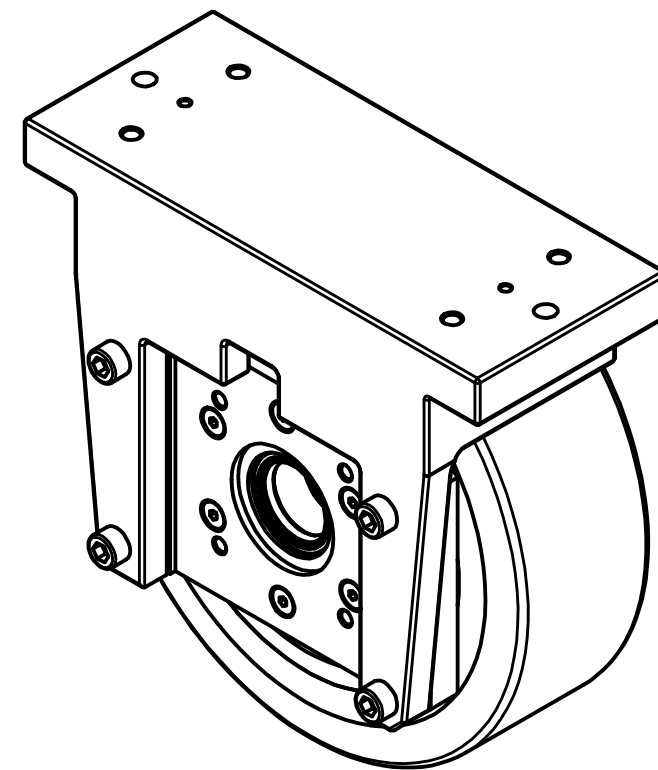
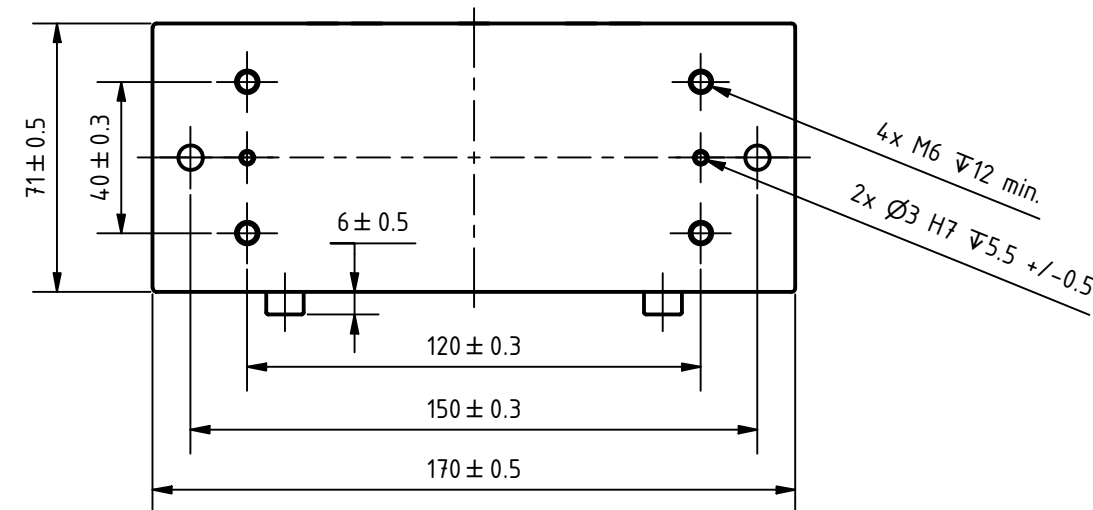
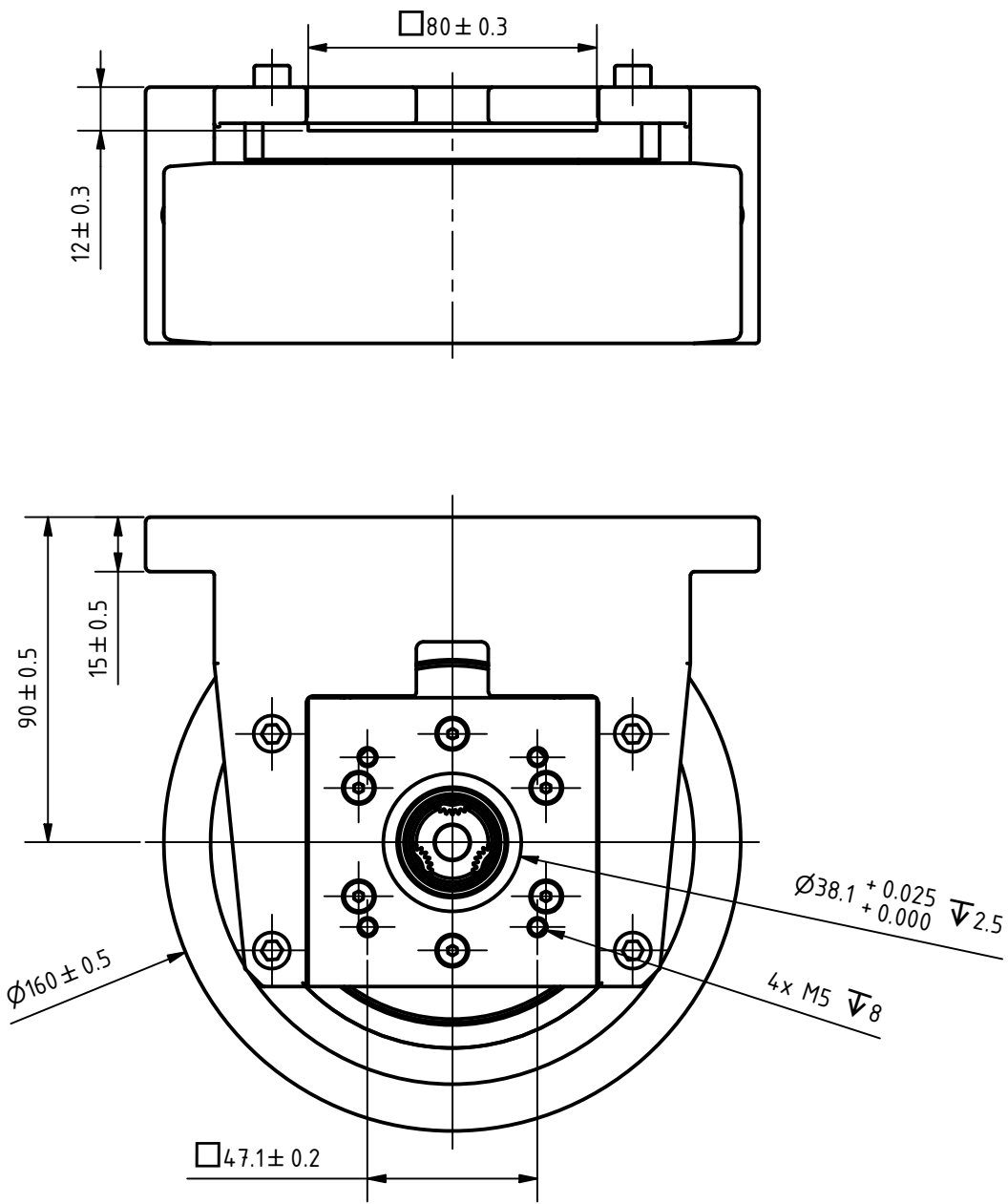
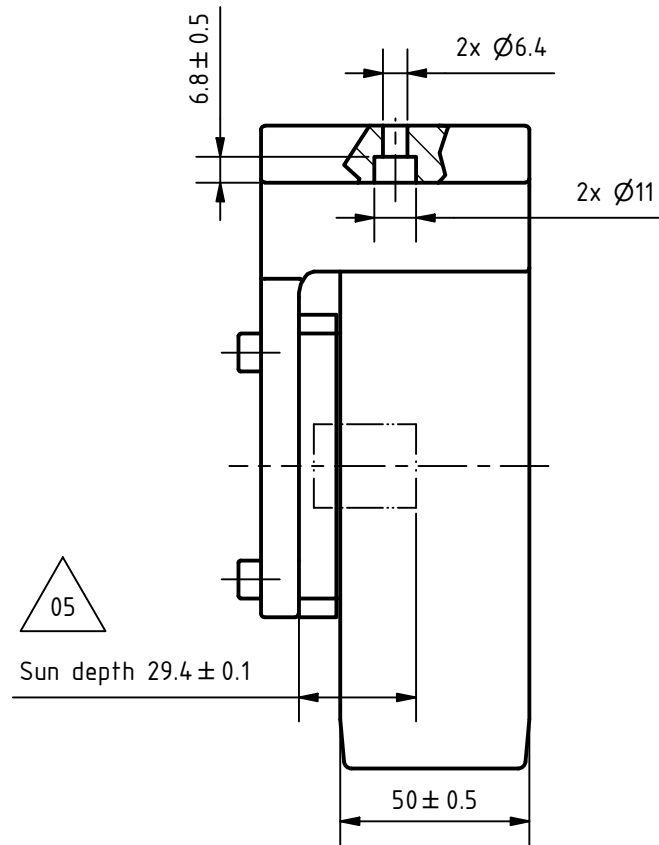


| WHEEL DRIVE SPECIFICATION |                          |                 |               |               |               |
|---------------------------|--------------------------|-----------------|---------------|---------------|---------------|
| Reduction Ratio xx        |                          | 11 (18225/1681) | 16 (3969/256) | 20 (7371/368) | 26 (6993/272) |
| No. of Stages             |                          | 2               |               |               |               |
| Rated Output Torque       | Nm                       | 20.27           | 22.01         | 23.03         | 23.13         |
| Max. Output Torque        | Nm                       | 40.54           | 44.02         | 46.06         | 46.26         |
| Rated Input Speed         | rpm                      | 3500            | 3500          | 3500          | 3500          |
| Max. Input Speed          | rpm                      | 4685            | 5968          | 8304          | 8988          |
| Backlash                  | °                        | <30 arcmin      | <30 arcmin    | <30 arcmin    | <30 arcmin    |
| Efficiency                | %                        | 94              | 94            | 94            | 94            |
| Inertia                   | $10^{-6} \text{ kg m}^2$ | 70              | 37            | 22            | 14            |
| Load Capacity             | kg                       | 400             |               |               |               |
| Wheel Material            |                          | Vulkollan       |               |               |               |
| Ambient Temperature       | °C                       | -15...+90       |               |               |               |
| Protection Class          |                          | IP54            |               |               |               |

| ISO 8015 |                        | ISO 1302  |            | ISO 2768 cK              |            | ISO 13715       |  | Weight: $\pm 10\%$ 4.8kg |              |
|----------|------------------------|-----------|------------|--------------------------|------------|-----------------|--|--------------------------|--------------|
| 06       | updated specifications | Kolev_I   | 02.05.2024 | Date                     |            | Name            |  | WD16050-56xx-23E         |              |
| 05       | sun depth changed      | Kolev_I   | 31.01.2024 | Drawn                    | 06.09.2019 | Rehse_P         |  |                          |              |
| 04       | Load capacity updated  | Micheli_M | 30.06.2020 | Reviewed                 | 13.09.2019 | Naubert_A       |  |                          |              |
| 03       | specifications updated | Micheli_M | 31.03.2020 | Released                 | 13.09.2019 | Naubert_A       |  |                          |              |
| 02       | First Released         |           |            |                          |            |                 |  | 06200334                 |              |
| REV      | Rev. Text              | Name      | Date       | Nanotec®<br>PLUG & DRIVE |            | State: Released |  | Rev: 06                  | CONFIDENTIAL |