

2-JAW PARALLEL GRIPPERS

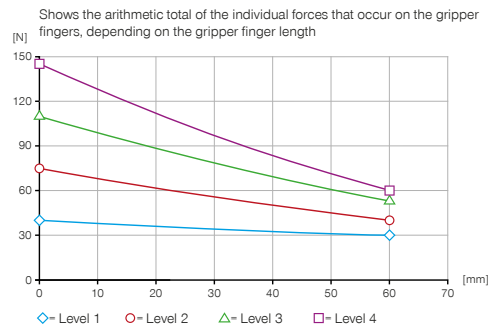
LWR50L-23-00005-A

▶ PRODUCT SPECIFICATIONS



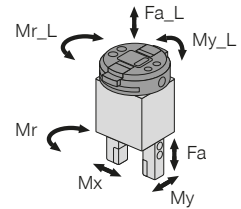
MOTCH

▶ Gripping force diagram



▶ Forces and moments

Shows static forces and moments



| | | | |
|-----------|-----|---------|-----|
| Mr_L [Nm] | 20 | Mr [Nm] | 2.5 |
| My_L [Nm] | 40 | Mx [Nm] | 2.5 |
| Fa_L [N] | 500 | My [Nm] | 2 |
| | | Fa [N] | 140 |

| Order no. | Technical data |
|---|--------------------------|
| | LWR50L-23-00005-A |
| General data | |
| Control | I/O |
| Operating temperature [°C] | 5 ... +60 |
| Protection to IEC 60529 | IP40 |
| Weight [kg] | 0.6 |
| Tool changer specific data | |
| Electrical energy transfer | integrated |
| Locking stroke [mm] | 1 |
| Repetition accuracy in X, Y [mm] | 0.05 |
| Repetition accuracy in Z [mm] | 0.05 |
| Tightening force [N] | 50 |
| Release force [N] | 0 |
| Offset at coupling max. in X,Y [mm] | 1.0 |
| Gripper specific data | |
| Suitable for series | LWR50F-xx-01/02 |
| Integrated position sensing | Analog 0 to 10 V |
| Cable management | external |
| Type of drive | electrical |
| Stroke per jaw [mm] | 6 |
| Gripping force safety device | mechanical |
| Gripping force in closing (adjustable) max. [N] | 145 |
| Gripping force in opening (adjustable) max. [N] | 145 |
| Closing time [s] | 0.1 |
| Opening time [s] | 0.1 |
| Control time [s] | 0.03 |
| Dead weight of mounted gripper finger max. [kg] | 0.05 |
| Length of the gripper fingers max. [mm] | 60 |
| Repetition accuracy +/- [mm] | 0.02 |
| Voltage [V] | 24 |
| Current consumption max. [A] | 1 |
| Minimum positioning path per jaw [mm] | 0.5 |

▶ RECOMMENDED ACCESSORIES



CONNECTIONS / OTHER

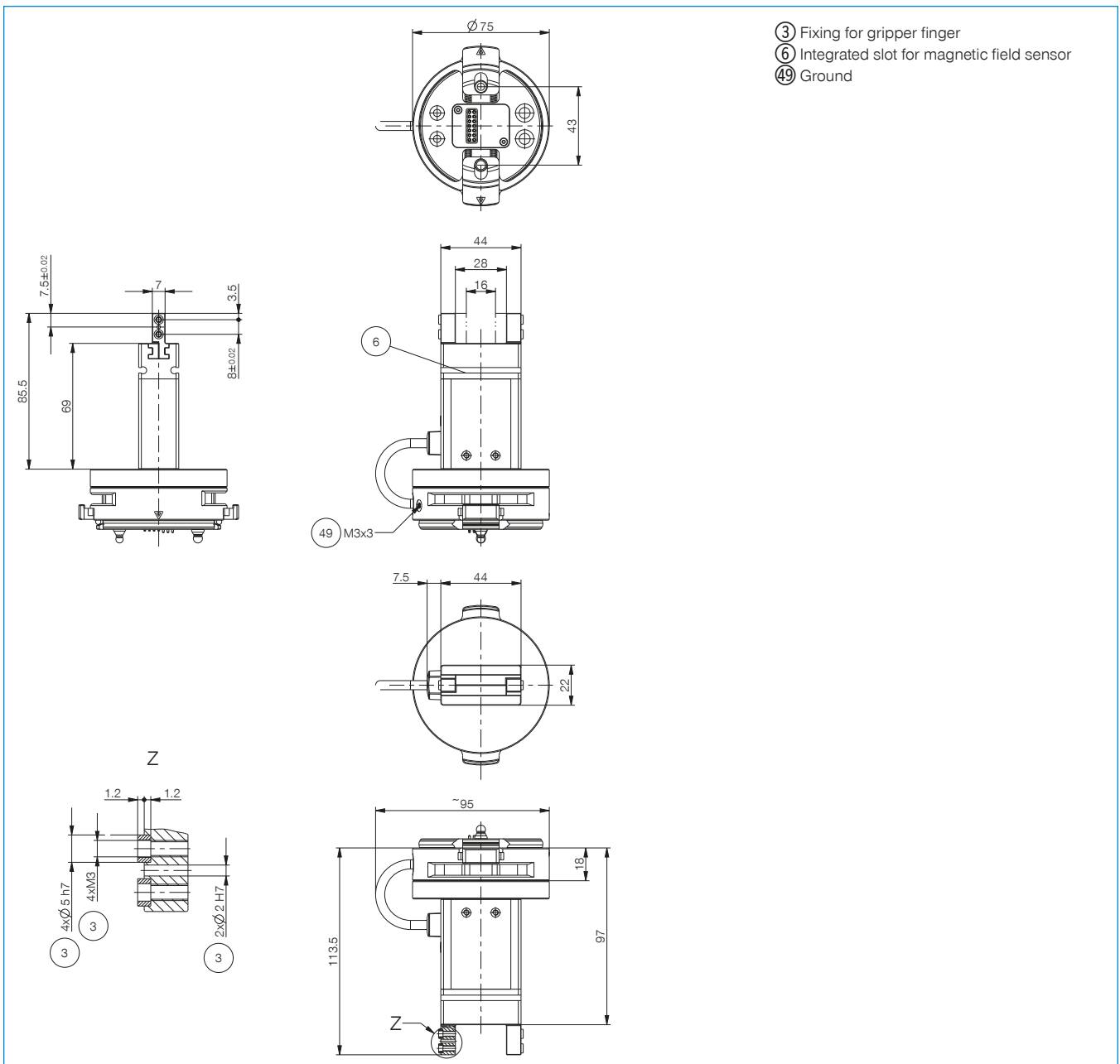


ALWR1-50-A
MATCH - Storage station

▶ RECOMMENDED ACCESSORY STORAGE STATION



NJ5-E2SK-01
Inductive Proximity Switch Cable 0,3 m - Connector M8



- ③ Fixing for gripper finger
- ⑥ Integrated slot for magnetic field sensor
- ④9 Ground

