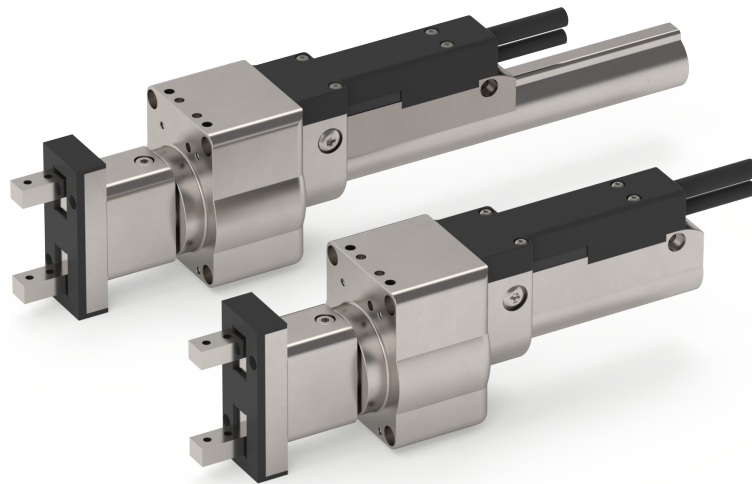


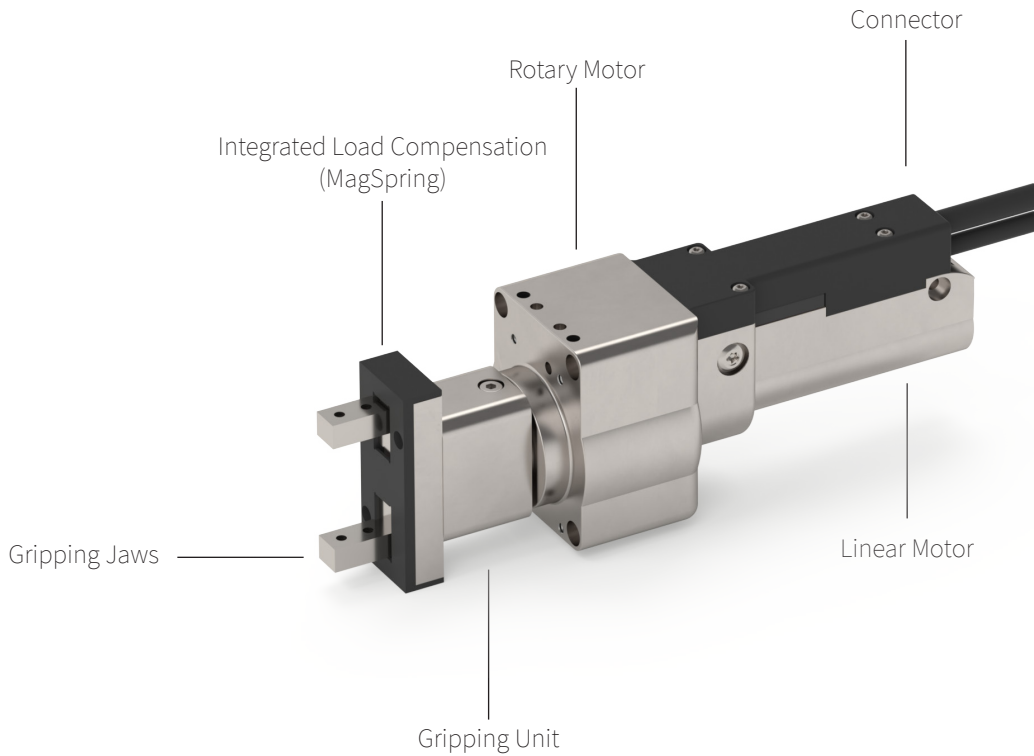
GRIPPER MODULES GM51



- ✓ Electric servo rotary gripper with additional magnetic holding force
- ✓ Highly dynamic gripping, closing and opening times of less than 20 ms
- ✓ Smooth gripping thanks to freely programmable motion profiles
- ✓ Free finger positioning and force control via servo motor
- ✓ Maintains MagSpring in case of power failure, easy manual opening
- ✓ Clever design for neat cable routing directly with trailing chain connection
- ✓ Low power consumption in open and closed position
- ✓ Compatible with all common fieldbuses

GRIPPER MODULES GM51

| | |
|----------------------|----|
| Description | 3 |
| Technical Data | 4 |
| Accessories | 15 |



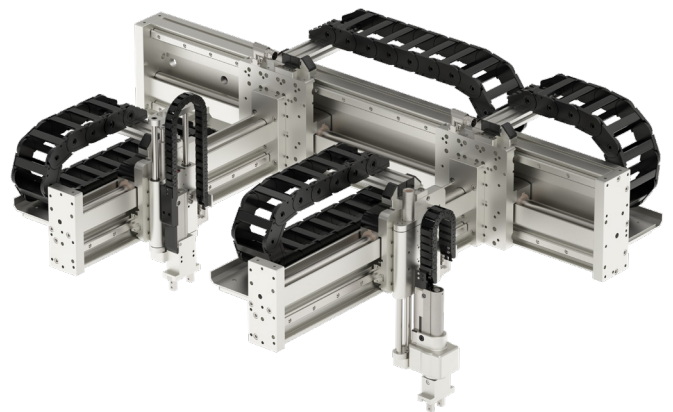
Grippers GM51

The LinMot GM51 gripper is a highly dynamic solution for demanding applications. With extremely fast closing and opening times of less than 20 milliseconds, it enables efficient and reliable gripping. Freely programmable motion profiles can be used to make the gripping process particularly gentle, making it easier to handle sensitive objects. The gripper's servo motor allows individual finger positioning and adjustable force control, so gripping can be customised.

The GM51 has an integrated rotary motor with endless rotation. This makes the gripper particularly suitable for dynamic positioning, assembly and screwing tasks, and the accuracy of the absolute encoder provides high precision angular positioning. In addition, the position of the gripper fingers is monitored by the linear motor, eliminating the need for external sensors and cables that interfere with rotation. The GM51 has an integrated adapter for drag chains and cables.

Combination with guides and modules

The combination of the GM51 parallel gripper with the FM01 and EM01 guides and the DM01 and DM03 modules enables complete pick-and-place and pick-rotate-and-place applications thanks to the simple coupling and modular design of the LinMot components. The GM51 is also available with passive load compensation (MagSpring). A combination that offers maximum precision, speed and safety even under the most demanding conditions.



PERFORMANCE DATA GM51-23SX80F-XP-K_35-18_E50X08-NG(_MS03)



Performance Data Gripper Module GM51-23Sx80F-XP-K_35-18_E50x08-NG(_MS03)

| Performance Data Gripper Module GM51-23Sx80F-XP-K_35-18_E50x08-NG(_MS03) | | | |
|---|-----------------|--|-----------------|
| Stroke | | | |
| Max. Opening/Closing Stroke Range | mm (in) | 18 | (0.71) |
| Force | | | |
| Max. Clamping Force (<0.75 s) with MagSpring / without MagSpring | N (lbf) | 56 / 45 | (12.59 / 10.12) |
| Max. Continuous Clamping Force Closing Direction with MagSpring / without MagSpring | N (lbf) | 19 / 9 | (4.27 / 2.02) |
| Max. Continuous Clamping Force Opening Direction with MagSpring / without MagSpring | N (lbf) | 7 / 7 | (1.57 / 1.57) |
| Max. Continuous Clamping Force Through the MagSpring (no power) | N (lbf) | 11 | (2.47) |
| Max. Torque Rotary Motor | Nm (lbf) | 1.03 | (9.15) |
| Continuous Torque Rotary Motor | Nm (lbf) | 0.32 | (2.83) |
| Velocity | | | |
| Minimum Opening/Closing Time | s | 0.02 | |
| Max. Rotary Speed | rpm | 3500* | |
| Position Detection | | | |
| Position Resolution | mm (in) | 0.002 | (0.00008) |
| Repeatability Linear Motor | mm (in) | ±0.05 | (±0.002) |
| Repeatability Rotary Motor | ° ° | ±0.05 | (±0.002) |
| Electrical Data | | | |
| Max. Current Gripper Motor @ 48 / 72VDC | A _{pk} | 7.4 | |
| Max. Current Rotary Motor @ 48 / 72VDC | A _{pk} | 20.8 | |
| Rated Current Linear Motor | A _{pk} | TBD | |
| Rated Current Rotary Motor | A _{pk} | TBD | |
| Mechanical Data | | | |
| Gripper Width | mm (in) | 70 | (2.76) |
| Gripper Length | mm (in) | 67.6 | (2.66) |
| Gripper Height | mm (in) | 244.8 | (9.64) |
| Gripper Mass | g (lb) | 1100 | (2.43) |
| Ambient Temperature | °C | -10 bis 60 | |
| IP Protection Class | | IP 30 | |
| Drive | | | |
| Power Supply Drive | VDC | 24-72 | |
| Number of Required Drives | Pcs. | 2 | |
| Communication Protocols | | PROFINET, PROFIdrive, EtherNet/IP, EtherCAT, CANopen, sercos, Ethernet Powerlink | |

*Theoretical speed of rotation without load at rated voltage U_r .

PERFORMANCE DATA GM51-23SX160H-XP-K_35-18_E50X08-NG(_MS03)



| Performance Data Gripper Module GM51-23Sx160H-XP-K_35-18_E50x08-NG(_MS03) | | | | |
|---|----------|-------|--|----------|
| Stroke | | | | |
| Max. Opening/Closing Stroke Range | mm | (in) | 22 | (0.87) |
| Force | | | | |
| Max. Clamping Force (<0.75 s) with MagSpring / without MagSpring | N | (lbf) | tbd | tbd |
| Max. Continuous Clamping Force Closing Direction with MagSpring / without MagSpring | N | (lbf) | tbd | tbd |
| Max. Continuous Clamping Force Opening Direction with MagSpring / without MagSpring | N | (lbf) | tbd | tbd |
| Max. Continuous Clamping Force Through the MagSpring (no power) | N | (lbf) | tbd | tbd |
| Max. Torque Rotary Motor | Nm | (lbf) | tbd | tbd |
| Continuous Torque Rotary Motor | Nm | (lbf) | tbd | tbd |
| Velocity | | | | |
| Minimum Opening/Closing Time | s | | tbd | |
| Max. Rotary Speed | rpm | | 3000* | |
| Position Detection | | | | |
| Position Resolution | mm | (in) | 0.005 | (0.0002) |
| Repeatability Linear Motor | mm | (in) | ±0.05 | (±0.002) |
| Repeatability Rotary Motor | ° | ° | ±0.05 | (±0.002) |
| Electrical Data | | | | |
| Max. Current Gripper Motor @ 48 / 72VDC | A_{pk} | | 9.4 | |
| Max. Current Rotary Motor @ 48 / 72VDC | A_{pk} | | 24.6 | |
| Rated Current Linear Motor | A_{pk} | | TBD | |
| Rated Current Rotary Motor | A_{pk} | | TBD | |
| Mechanical Data | | | | |
| Gripper Width | mm | (in) | tbd | tbd |
| Gripper Length | mm | (in) | tbd | tbd |
| Gripper Height | mm | (in) | tbd | tbd |
| Gripper Mass | g | (lb) | tbd | tbd |
| Ambient Temperature | °C | | -10 bis 60 | |
| IP Protection Class | | | IP 30 | |
| Drive | | | | |
| Power Supply Drive | VDC | | 24-72 | |
| Number of Required Drives | Pcs. | | 2 | |
| Communication Protocols | | | PROFINET, PROFIdrive, EtherNet/IP, EtherCAT, CANopen, sercos, Ethernet Powerlink | |

*Theoretical speed of rotation without load at rated voltage U_r .

PERFORMANCE DATA GM51-37SX60-XP-N_48-22_E70X18-NG(_MS03)



Performance Data Gripper Module GM51-37Sx60-XP-N_48-22_E70x18-NG(_MS03)

| Performance Data Gripper Module GM51-37Sx60-XP-N_48-22_E70x18-NG(_MS03) | | | |
|---|-----------------|--|-----------------|
| Stroke | | | |
| Max. Opening/Closing Stroke Range | mm (in) | 22 | (0.87) |
| Force | | | |
| Max. Clamping Force (<0.75 s) with MagSpring / without MagSpring | N (lbf) | 128 / 97 | (28.78 / 21.81) |
| Max. Continuous Clamping Force Closing Direction with MagSpring / without MagSpring | N (lbf) | 42 / 12 | (9.44 / 2.70) |
| Max. Continuous Clamping Force Opening Direction with MagSpring / without MagSpring | N (lbf) | 10 / 10 | (2.25 / 2.25) |
| Max. Continuous Clamping Force Through the MagSpring (no power) | N (lbf) | 31 | (6.97) |
| Max. Torque Rotary Motor | Nm (lbf) | 3.92 | (34.69) |
| Continuous Torque Rotary Motor | Nm (lbf) | 1.21 | (10.71) |
| Velocity | | | |
| Minimum Opening/Closing Time | s | 0.03 | |
| Max. Rotary Speed | rpm | 3000* | |
| Position Detection | | | |
| Position Resolution | mm (in) | 0.005 | (0.0002) |
| Repeatability Linear Motor | mm (in) | ±0.05 | (±0.002) |
| Repeatability Rotary Motor | ° ° | ±0.05 | (±0.002) |
| Electrical Data | | | |
| Max. Current Gripper Motor @ 48 / 72VDC | A _{pk} | 9.4 | |
| Max. Current Rotary Motor @ 48 / 72VDC | A _{pk} | 24.6 | |
| Rated Current Linear Motor | A _{pk} | TBD | |
| Rated Current Rotary Motor | A _{pk} | TBD | |
| Mechanical Data | | | |
| Gripper Width | mm (in) | 103 | (4.06) |
| Gripper Length | mm (in) | 104.8 | (4.13) |
| Gripper Height | mm (in) | 294.2 | (11.58) |
| Gripper Mass | g (lb) | 2770 | (6.11) |
| Ambient Temperature | °C | -10 bis 60 | |
| IP Protection Class | | IP 30 | |
| Drive | | | |
| Power Supply Drive | VDC | 24-72 | |
| Number of Required Drives | Pcs. | 2 | |
| Communication Protocols | | PROFINET, PROFIdrive, EtherNet/IP, EtherCAT, CANopen, sercos, Ethernet Powerlink | |

*Theoretical speed of rotation without load at rated voltage U_r .

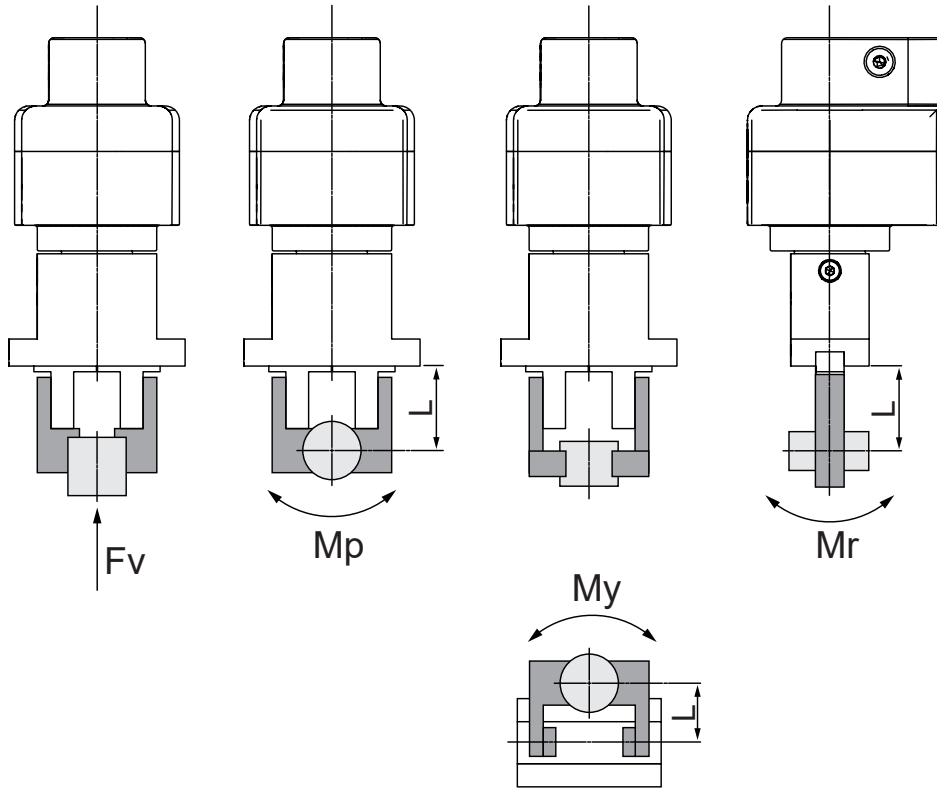
PERFORMANCE DATA GM51-37SX120F-XP-N_48-22_E70X18-NG(_MS03)



| Performance Data Gripper Module GM51-37Sx120F-XP-N_48-22_E70x18-NG(_MS03) | | | | |
|---|-----|-----------------|--|----------|
| Stroke | | | | |
| Max. Opening/Closing Stroke Range | mm | (in) | 22 | (0.87) |
| Force | | | | |
| Max. Clamping Force (<0.75 s) with MagSpring / without MagSpring | N | (lbf) | tbd | tbd |
| Max. Continuous Clamping Force Closing Direction with MagSpring / without MagSpring | N | (lbf) | tbd | tbd |
| Max. Continuous Clamping Force Opening Direction with MagSpring / without MagSpring | N | (lbf) | tbd | tbd |
| Max. Continuous Clamping Force Through the MagSpring (no power) | N | (lbf) | tbd | tbd |
| Max. Torque Rotary Motor | Nm | (lbf) | tbd | tbd |
| Continuous Torque Rotary Motor | Nm | (lbf) | tbd | tbd |
| Velocity | | | | |
| Minimum Opening/Closing Time | s | | tbd | |
| Max. Rotary Speed | rpm | | 3000* | |
| Position Detection | | | | |
| Position Resolution | mm | (in) | 0.005 | (0.0002) |
| Repeatability Linear Motor | mm | (in) | ±0.05 | (±0.002) |
| Repeatability Rotary Motor | ° | ° | ±0.05 | (±0.002) |
| Electrical Data | | | | |
| Max. Current Gripper Motor @ 48 / 72VDC | | A _{pk} | 9.4 | |
| Max. Current Rotary Motor @ 48 / 72VDC | | A _{pk} | 24.6 | |
| Rated Current Linear Motor | | A _{pk} | TBD | |
| Rated Current Rotary Motor | | A _{pk} | TBD | |
| Mechanical Data | | | | |
| Gripper Width | mm | (in) | tbd | tbd |
| Gripper Length | mm | (in) | tbd | tbd |
| Gripper Height | mm | (in) | tbd | tbd |
| Gripper Mass | g | (lb) | tbd | tbd |
| Ambient Temperature | | °C | -10 bis 60 | |
| IP Protection Class | | | IP 30 | |
| Drive | | | | |
| Power Supply Drive | | VDC | 24-72 | |
| Number of Required Drives | | Pcs. | 2 | |
| Communication Protocols | | | PROFINET, PROFIdrive, EtherNet/IP, EtherCAT, CANopen, sercos, Ethernet Powerlink | |

*Theoretical speed of rotation without load at rated voltage U_r.

CALCULATION OF THE LOAD MOMENTS



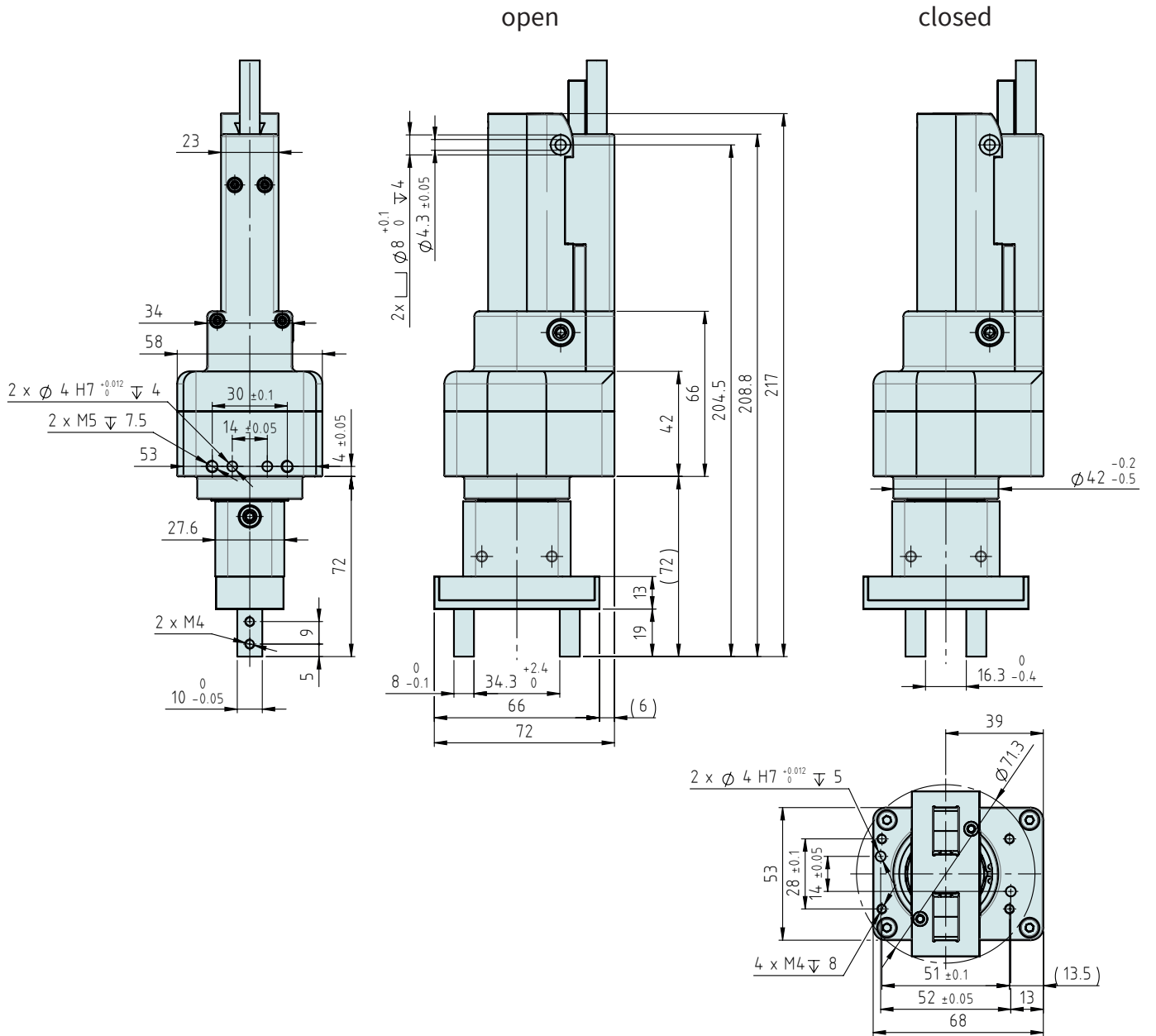
L: Distance to the point at which the load is applied (mm).

| Model | Allowable vertical load Fv (N) | Maximum allowable moment | | |
|----------------|-----------------------------------|--------------------------|-----------------------|------------------------|
| | | Pitch moment Mp (Nm) | Yaw moment My (Nm) | Roll moment Mr (Nm) |
| GM51-23 | 147 | 1.32 | 1.32 | 2.65 |
| GM51-37 | 343 | 3.0 | 3.0 | 6.0 |

Values for load and moment in the table indicate static values.

| Calculation of allowable external force (when moment load is applied) | Calculation example |
|--|---|
| $\text{Allowable load } F \text{ (N)} = \frac{M \text{ (maximum allowable moment) (N} \cdot \text{m)}}{L \times \frac{10^{-3}}{*}}$ <p>(*Unit conversion constant)</p> | <p>When a static load of = 10N is operating, which applies pitch moment to point L = 30mm from the GM51-23 guide.</p> $\text{Allowable load } F \text{ (N)} = \frac{1.32}{30 \times 10^{-3}} = 44.0 \text{ (N)}$ <p>Load f = 10 (N) < 44.0 (N) Therefore, it can be used.</p> |

GRIPPER GM51-23SX80F-XP-K_35-18_E50X08-NG(_MS03)



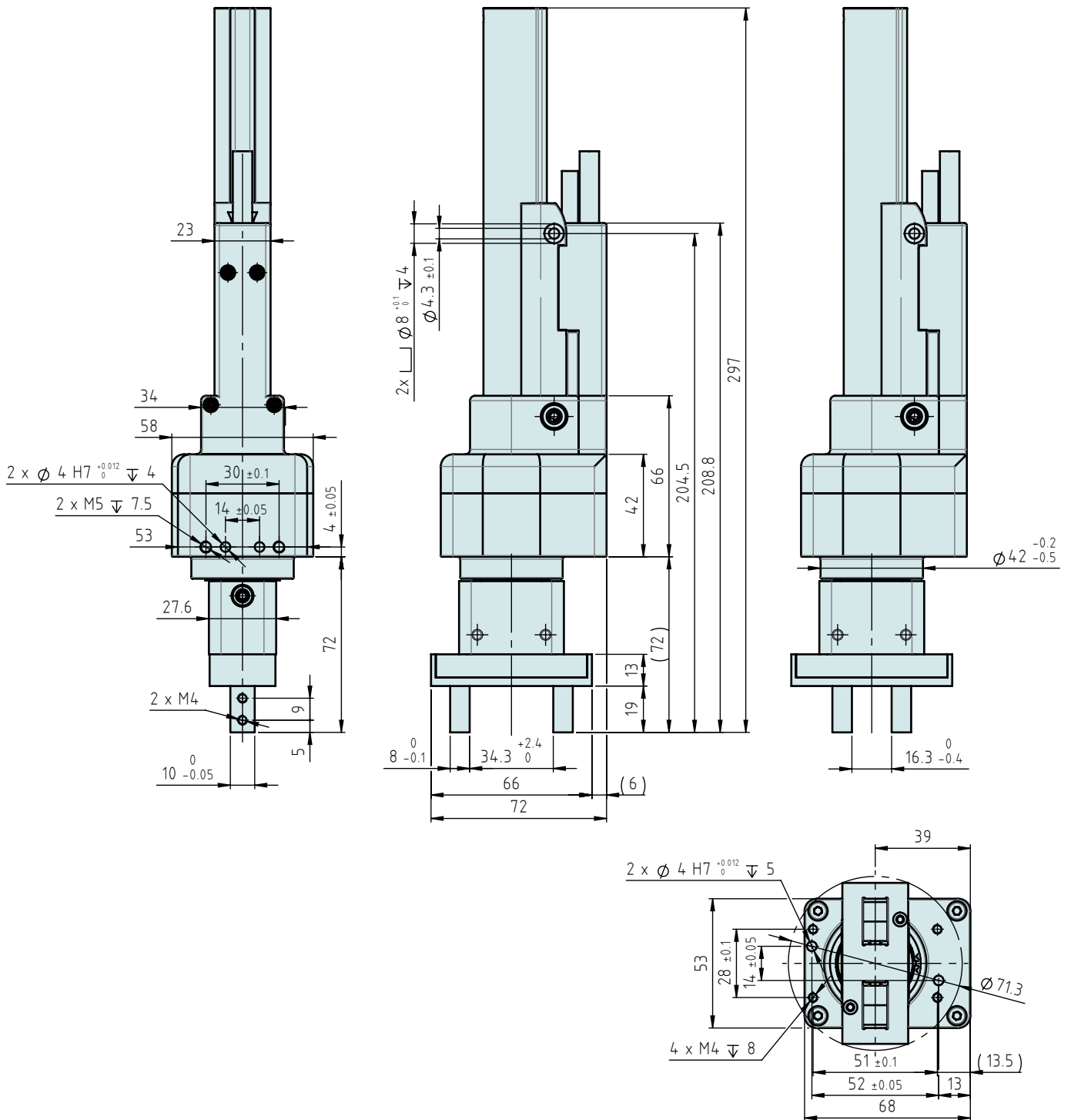
Dimensions in mm

| Item | Description | Item-No. |
|---|---|---------------------------|
| GM51-23SX80F-XP-K_35-18_E50x08-NG | Rotary Gripper Module, stroke 18 mm | 0150-6599 |
| GM51-23SX80F-XP-K_35-18_E50x08-NG_MS03 | Rotary Gripper Module, stroke 18 mm, with holding force | 0150-6302 |

GRIPPERGM51-23SX160H-XP-K_35-18_E50X08-NG(_MS03)

open

closed



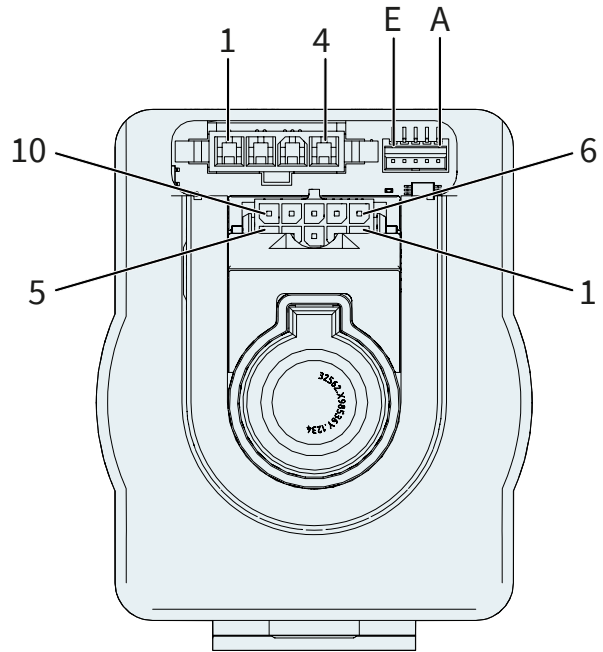
Dimensions in mm

| Item | Description | Item-No. |
|--|---|---------------------------|
| GM51-23Sx160H-XP-K_35-18_E50x08-NG | Rotary Gripper Module, stroke 18 mm | 0150-6668 |
| GM51-23Sx160H-XP-K_35-18_E50x08-NG_MS03 | Rotary Gripper Module, stroke 18 mm, with holding force | 0150-6665 |

CONNECTOR GM51-23 LINEAR MOTOR / ROTARY MOTOR

NG-connector rotary motor (top)

| Motor connector wiring | NG-connector | Wire color motor cable |
|------------------------|--------------|------------------------|
| Phase 2- | Pin 1 | grey |
| Phase 2+ | Pin 2 | blue |
| Phase 1- | Pin 3 | pink |
| Phase 1+ | Pin 4 | red |
| Temp Sensor | Pin E | black |
| Sensor Cos | Pin D | green |
| Sensor Sin | Pin C | yellow |
| GND | Pin B | Inner Shield |
| +5V | Pin A | white |
| Housing | | Outer Shield |

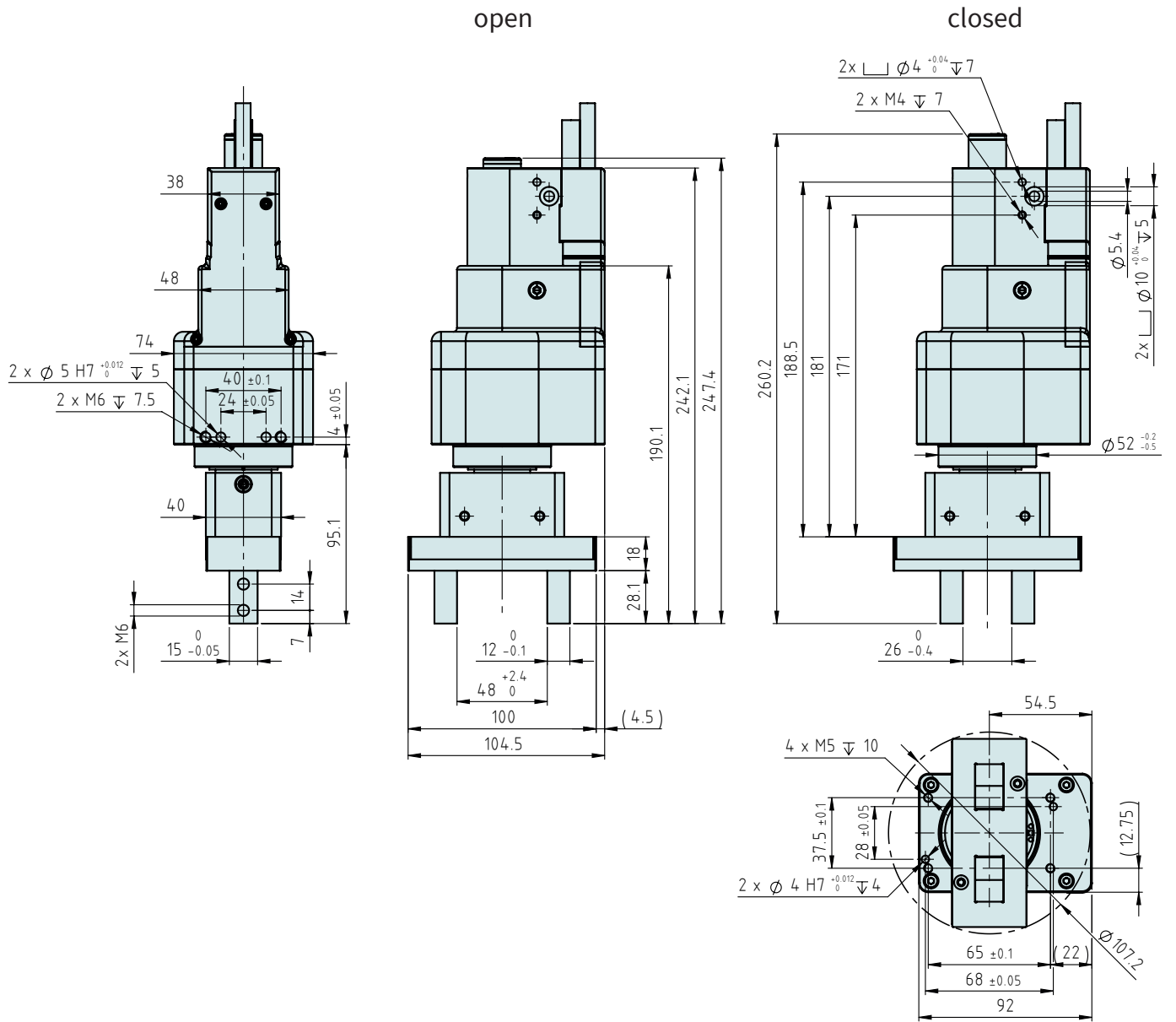


Ansicht: Motorstecker, steckseitig
 Oben: NG-Stecker Drehmotor
 Unten: K-Stecker Linearmotor

K-connector linear motor (bottom)

| Motor connector wiring K-connector | | Wire color motor cable |
|------------------------------------|-------------|------------------------|
| Pin 1 | Phase 1+ | red |
| Pin 2 | Phase 2+ | blue |
| Pin 3 | n.c. | n.c. |
| Pin 4 | Phase 1- | pink |
| Pin 5 | Phase 2- | grey |
| Pin 6 | Sensor Sin | yellow |
| Pin 7 | Sensor Cos | green |
| Pin 8 | GND | brown |
| Pin 9 | +5V | white |
| Pin 10 | Temp sensor | black |
| | Housing | Shield |

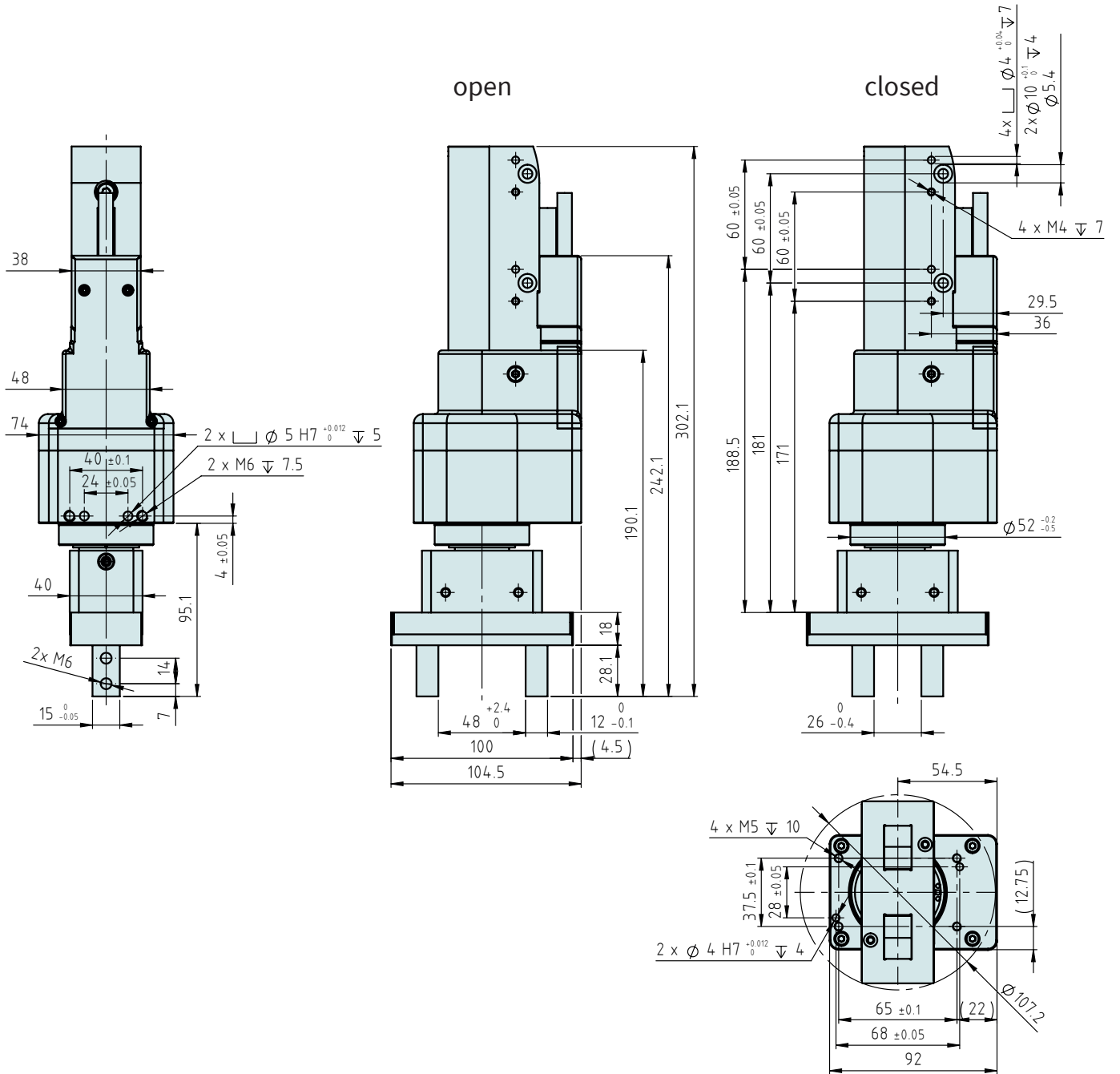
GRIPPER GM51-37SX60-XP-N_48-22_E70X18-NG(_MS03)



Dimensions in mm

| Item | Description | Item-No. |
|---------------------------------------|---|---------------------------|
| GM51-37Sx60-XP-N_48-22_E70x18-NG | Rotary Gripper Module, stroke 22 mm | 0150-6609 |
| GM51-37Sx60-XP-N_48-22_E70x18-NG_MS03 | Rotary Gripper Module, stroke 22 mm, with holding force | 0150-6437 |

GRIPPER GM51-37SX120F-XP-N_48-22_E70X18-NG(_MS03)



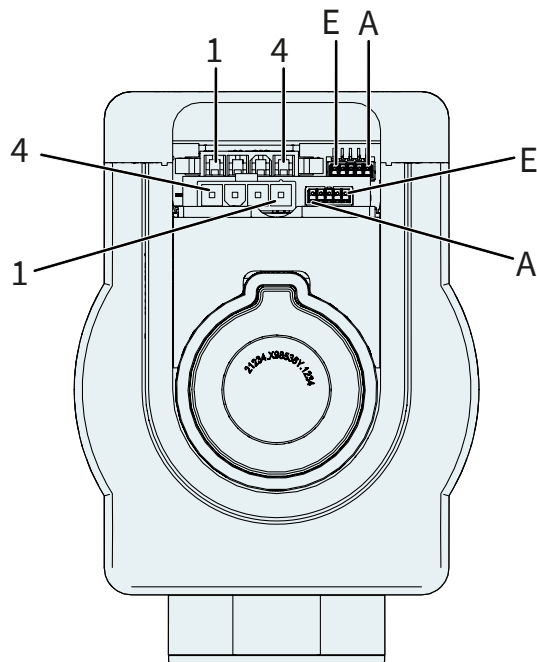
Dimensions in mm

| Item | Description | Item-No. |
|--|---|---------------------------|
| GM51-37Sx120F-XP-N_48-22_E70x18-NG | Rotary Gripper Module, stroke 22 mm | 0150-6673 |
| GM51-37Sx120F-XP-N_48-22_E70x18-NG_MS03 | Rotary Gripper Module, stroke 22 mm, with holding force | 0150-6670 |

CONNECTOR GM51-37 LINEAR MOTOR / ROTARY MOTOR

NG-connector rotary motor (top)

| Motor connector wiring | NG-connector | Wire color motor cable |
|------------------------|--------------|------------------------|
| Phase 2- | Pin 1 | grey |
| Phase 2+ | Pin 2 | blue |
| Phase 1- | Pin 3 | pink |
| Phase 1+ | Pin 4 | red |
| | | |
| Temp Sensor | Pin E | black |
| Sensor Cos | Pin D | green |
| Sensor Sin | Pin C | yellow |
| GND | Pin B | Inner Shield |
| +5V | Pin A | white |
| Housing | | Outer Shield |

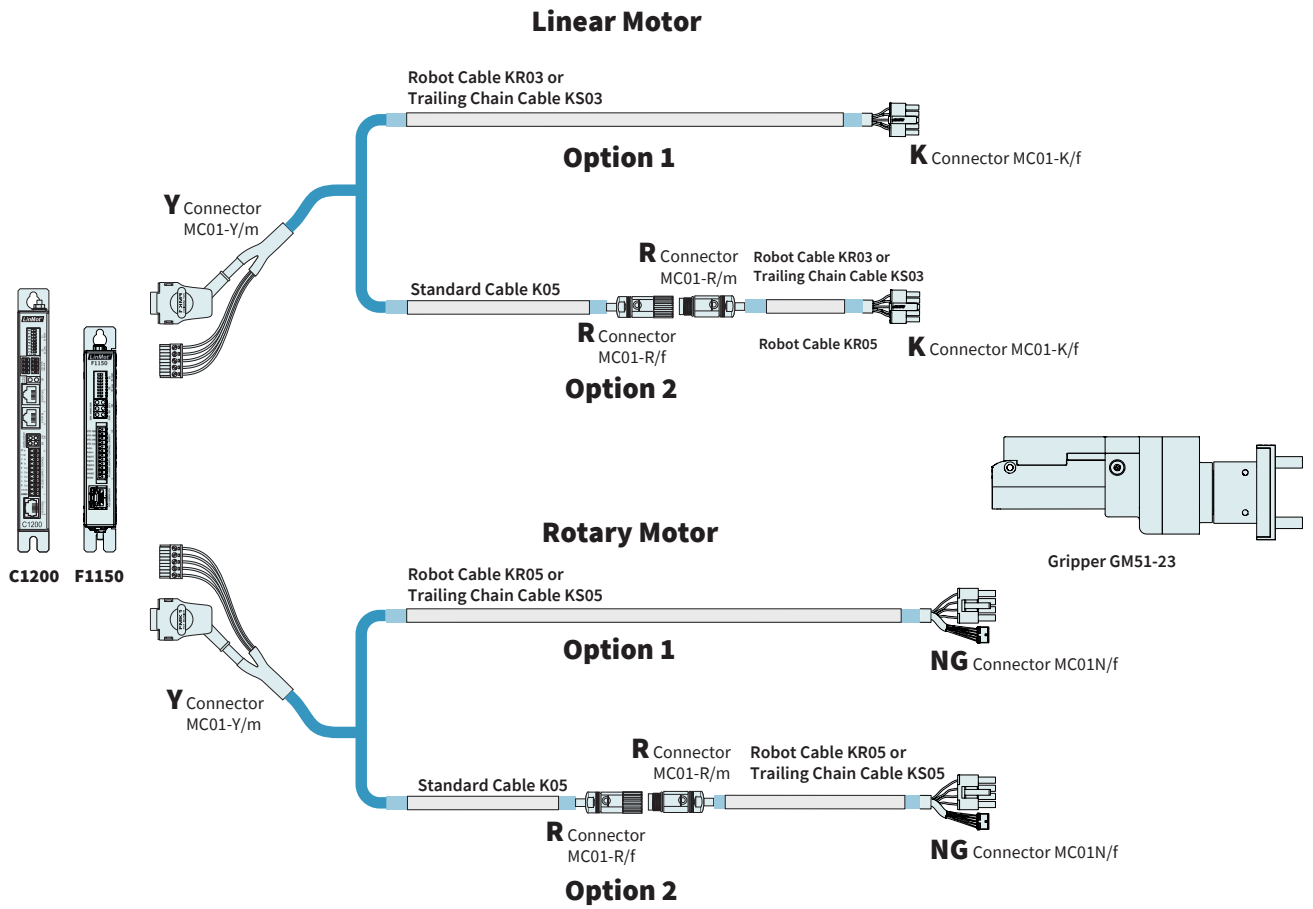


View: motor connector, plug side
 Top: NG-connector rotary motor
 Bottom: N-connector linear motor

N-connector linear motor (bottom)

| Motor connector wiring | N-connector | Wire color motor cable |
|------------------------|-------------|------------------------|
| Phase 1+ | Pin 4 | red |
| Phase 1- | Pin 3 | pink |
| Phase 2+ | Pin 2 | blue |
| Phase 2- | Pin 1 | grey |
| | | |
| +5V | Pin A | white |
| GND | Pin B | Inner Shield |
| Sensor Sin | Pin C | yellow |
| Sensor Cos | Pin D | green |
| Temp Sensor | Pin E | black |
| Housing | | Outer Shield |

MOTOR CABLES FOR GM51-23

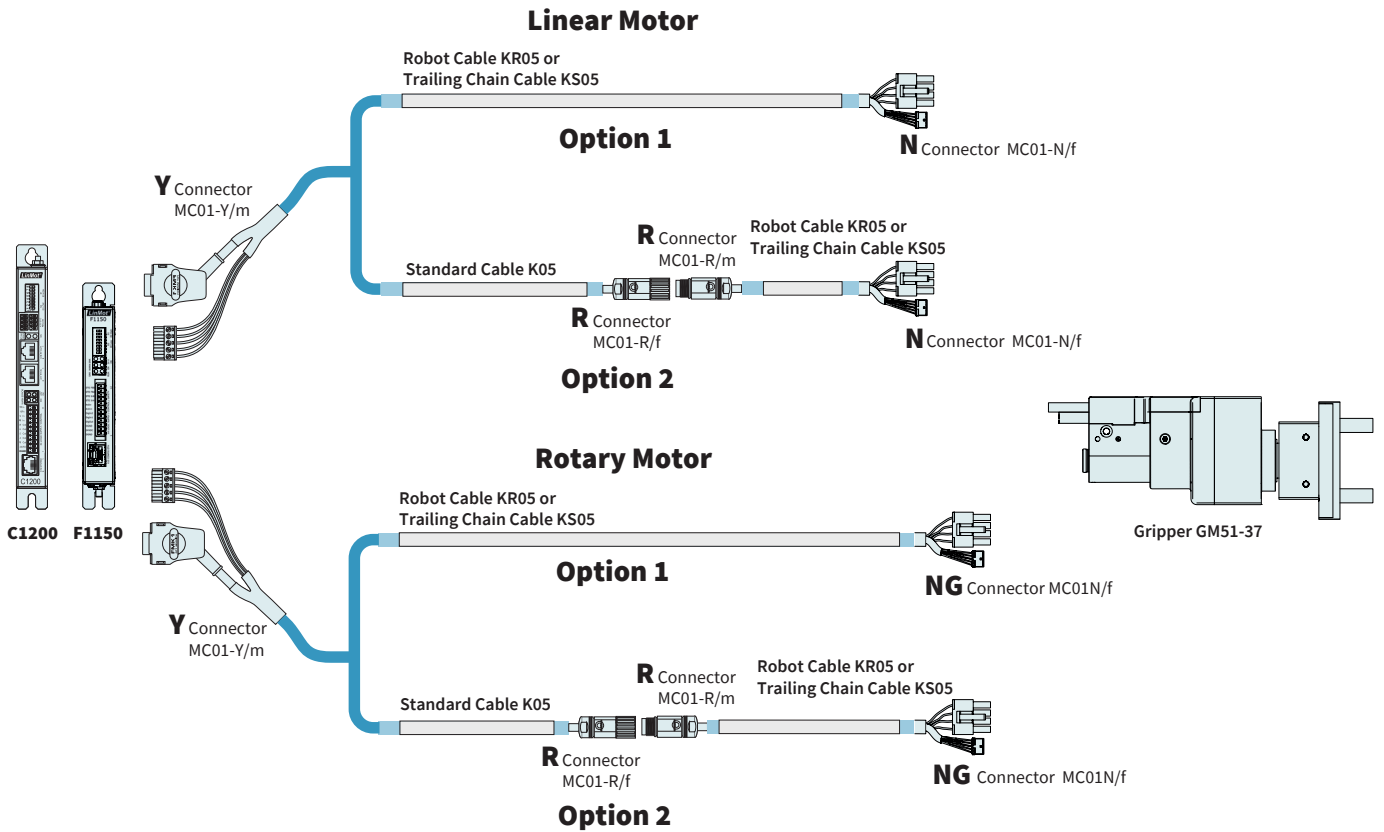


| LINEAR MOTOR | | |
|--------------|---|---------------------------|
| Item | Description | Item-No. |
| KS03-Y/K-2 | Trailing Chain Cable Y/K, 2 m | 0150-2446 |
| KS03-Y/K-4 | Trailing Chain Cable Y/K, 4 m | 0150-2447 |
| KS03-Y/K-6 | Trailing Chain Cable Y/K, 6 m | 0150-2448 |
| KS03-Y/K- | Trailing Chain Cable Y/K, Custom length | 0150-3516 |
| KS03-R/K-1 | Trailing Chain Cable R/K, 1 m | 0150-2185 |
| KS03-R/K-2 | Trailing Chain Cable R/K, 2 m | 0150-2186 |
| KS03-R/K- | Trailing Chain Cable R/K, Custom length | 0150-3530 |
| KR03-Y/K- | Robot Cable Y/K, Custom length | 0150-3718 |
| KR03-R/K- | Robot Cable R/K, Custom length | 0150-3754 |
| K05-Y/R-2 | Motor Cable Y/R, 2 m | 0150-2421 |
| K05-Y/R-3 | Motor Cable Y/R, 3 m | 0150-4854 |
| K05-Y/R-4 | Motor Cable Y/R, 4 m | 0150-2422 |
| K05-Y/R-6 | Motor Cable Y/R, 6 m | 0150-2423 |
| K05-Y/R-8 | Motor Cable Y/R, 8 m | 0150-2424 |
| K05-Y/R- | Motor Cable Y/R, Custom length | 0150-3501 |

MOTOR CABLES FOR GM50-23

| ROTARY MOTOR | | |
|-------------------------|--|---------------------------|
| Item | Description | Item-No. |
| KS05-Y/NG-4 | Trailing Chain Cable Y/NG, 4 m | TBD |
| KS05-Y/NG-5 | Trailing Chain Cable Y/NG, 6 m | TBD |
| KS05-Y/NG- | Trailing Chain Cable Y/NG, Custom length | TBD |
| KS05-09-R/NG-1.5 | Trailing Chain Cable R/NG, 1,5 m | 0150-6570 |
| KS05-09-R/NG-2 | Trailing Chain Cable R/NG, 2 m | 0150-6571 |
| KS05-09-R/NG-3 | Trailing Chain Cable R/NG, 3 m | 0150-6572 |
| KS05-09-R/NG-4 | Trailing Chain Cable R/NG, 4 m | TBD |
| KS05-09-R/NG-6 | Trailing Chain Cable R/NG, 6 m | TBD |
| KR05-Y/NG- | Robot Cable Y/NG, Custom length | TBD |
| KR05-R/NG- | Robot Cable R/NG, Custom length | TBD |
| K05-Y/R-2 | Motor Cable Y/R, 2 m | 0150-2421 |
| K05-Y/R-3 | Motor Cable Y/R, 3 m | 0150-4854 |
| K05-Y/R-4 | Motor Cable Y/R, 4 m | 0150-2422 |
| K05-Y/R-6 | Motor Cable Y/R, 6 m | 0150-2423 |
| K05-Y/R-8 | Motor Cable Y/R, 8 m | 0150-2424 |
| K05-Y/R- | Motor Cable Y/R, Custom length | 0150-3501 |

MOTOR CABLES FOR GM51-37



| LINEAR MOTOR | | |
|-----------------|---|---------------------------|
| Item | Description | Item-No. |
| KS05-Y/N-2 | Trailing Chain Cable Y/N, 2 m | 0150-2442 |
| KS05-Y/N-4 | Trailing Chain Cable Y/N, 4 m | 0150-2443 |
| KS05-Y/N-6 | Trailing Chain Cable Y/N, 6 m | 0150-2444 |
| KS05-Y/N-8 | Trailing Chain Cable Y/N, 8 m | 0150-2445 |
| KS05-Y/N- | Trailing Chain Cable Y/N, Custom length | 0150-3509 |
| KS05-09-R/N-1.5 | Trailing Chain Cable R/N, 1,5 m | 0150-3880 |
| KS05-09-R/N-2 | Trailing Chain Cable R/N, 2 m | 0150-3881 |
| KS05-09-R/N-3 | Trailing Chain Cable R/N, 3 m | 0150-3881 |
| KS05-09-R/N- | Trailing Chain Cable R/N, Custom length | 0150-3889 |
| KR05-Y/N- | Robot Cable Y/N, Custom length | 0150-3514 |
| KR05-R/N- | Robot Cable R/N, Custom length | 0150-3757 |
| K05-Y/R-2 | Motor Cable Y/R, 2 m | 0150-2421 |
| K05-Y/R-3 | Motor Cable Y/R, 3 m | 0150-4854 |
| K05-Y/R-4 | Motor Cable Y/R, 4 m | 0150-2422 |
| K05-Y/R-6 | Motor Cable Y/R, 6 m | 0150-2423 |
| K05-Y/R-8 | Motor Cable Y/R, 8 m | 0150-2424 |
| K05-Y/R- | Motor Cable Y/R, Custom length | 0150-3501 |

MOTOR CABLES FOR GM50-37

| ROTARY MOTOR | | |
|-------------------------|--|---------------------------|
| Item | Description | Item-No. |
| KS05-Y/NG-4 | Trailing Chain Cable Y/NG, 4 m | TBD |
| KS05-Y/NG-5 | Trailing Chain Cable Y/NG, 6 m | TBD |
| KS05-Y/NG- | Trailing Chain Cable Y/NG, Custom length | TBD |
| KS05-09-R/NG-1.5 | Trailing Chain Cable R/NG, 1,5 m | 0150-6570 |
| KS05-09-R/NG-2 | Trailing Chain Cable R/NG, 2 m | 0150-6571 |
| KS05-09-R/NG-3 | Trailing Chain Cable R/NG, 3 m | 0150-6572 |
| KS05-09-R/NG-4 | Trailing Chain Cable R/NG, 4 m | TBD |
| KS05-09-R/NG-6 | Trailing Chain Cable R/NG, 6 m | TBD |
| KR05-Y/NG- | Robot Cable Y/NG, Custom length | TBD |
| KR05-R/NG- | Robot Cable R/NG, Custom length | TBD |
| K05-Y/R-2 | Motor Cable Y/R, 2 m | 0150-2421 |
| K05-Y/R-3 | Motor Cable Y/R, 3 m | 0150-4854 |
| K05-Y/R-4 | Motor Cable Y/R, 4 m | 0150-2422 |
| K05-Y/R-6 | Motor Cable Y/R, 6 m | 0150-2423 |
| K05-Y/R-8 | Motor Cable Y/R, 8 m | 0150-2424 |
| K05-Y/R- | Motor Cable Y/R, Custom length | 0150-3501 |

ALL LINEAR MOTION FROM A SINGLE SOURCE

Europe / Asia Headquarters North / South America Headquarters

NTI AG - LinMot & MagSpring

Bodenaeckerstrasse 2
CH-8957 Spreitenbach
Switzerland

☎ +41 (0)56 419 91 91

☎ +41 (0)56 419 91 92

✉ office@linmot.com

🏠 www.linmot.com

LinMot USA, Inc.

N1922 State Road 120, Unit 1
Lake Geneva, WI 53147
United States

☎ 262-743-2555

✉ usasales@linmot.com

🏠 www.linmot.com