

# MGBS

MGBS - 32 - 0802 - 200 - AB - AU - AA - AB - AA

**Series:**  
MGBS

**Size:**  
- 32  
- 45  
- 60

**Ball screw size:**  
- MGBS 32:  $\varnothing 8 \times 2, \varnothing 8 \times 8$   
- MGBS 45:  $\varnothing 10 \times 3, \varnothing 10 \times 10$   
- MGBS 60:  $\varnothing 12 \times 5, \varnothing 12 \times 10$

**Absolute stroke [mm]:**  
(Absolute stroke = Effective stroke + 2 x Safety stroke)  
- 50, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800 (900, 1000 for MGBS 60 only)

**Motor type and size:**  
- Leave blank: Without a motor

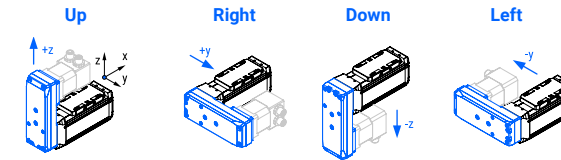
**Motor type:** \_\_\_\_\_  
- A: Stepper motor without a brake  
- B: Stepper motor with a brake

**Motor size □:** \_\_\_\_\_  
- A: 28 mm (Currently not available)  
- B: 42 mm  
- C: 56 mm  
- D: 86 mm (Currently not available)

**Available sizes:**  
- MGBS 32: 28, 42  
- MGBS 45: 42, 56  
- MGBS 60: 56, 86

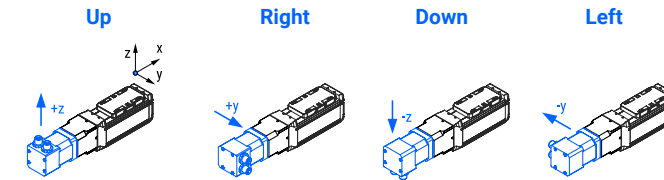
**Motor mounting option:**  
- Leave blank: Without a motor

**Mounting option:** \_\_\_\_\_  
- A: With a motor adapter VK  
- B: With a motor side drive MSD facing up  
- C: With a motor side drive MSD facing right  
- D: With a motor side drive MSD facing down  
- E: With a motor side drive MSD facing left

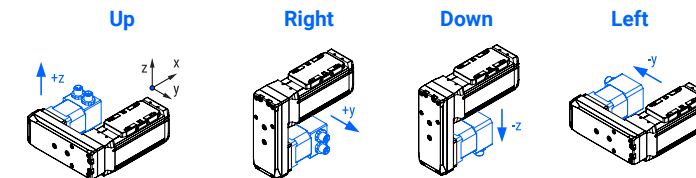


**Direction of the motor connectors:** \_\_\_\_\_  
- U: Connectors facing up  
- R: Connectors facing right  
- D: Connectors facing down  
- L: Connectors facing left

**In combination with a motor adapter VK**



**In combination with a motor side drive MSD**



When using the motor side drive MSD, the connectors can not be facing the MGBS otherwise, the connectors and MGBS may collide. These combinations are: BD, CL, DU and ER.

**Drive option:**  
- Leave blank: Without a motor or drive

**Drive type:** \_\_\_\_\_  
- A: Stepper

**Drive protocol/control:**  
- A: EtherCAT  
- B: Ethernet based communication  
- C: Pulse-direction control  
- D: Profinet

**Drive-motor cables option:**  
- Leave blank: Without a motor or drive  
- 00: Without the cables

**Cables type:** \_\_\_\_\_  
- A: Robotic with a straight plug  
- B: Robotic with an angled plug

**Cables length:**  
- A: 3 m  
- B: 5 m  
- C: 10 m

**Power and signal cables:**  
- Leave blank: Without a motor or drive

**Power cable:** \_\_\_\_\_  
- 0: Without a power cable  
- A: With a power cable

**Signal cable:**  
- 0: Without a signal cable  
- A: With a signal cable

# MGTB

MGTB - 45 - 500 - AB - AB - AA - AB - AA

**Series:**  
MGTB

**Size:**  
- 32  
- 45  
- 60

**Absolute stroke [mm]:**  
(Absolute stroke = Effective stroke + 2 × Safety stroke)  
- 100, 200, 300, 400, 500, 600, 700, 800, 1000, 1200, 1400, 1600  
(1800, 2000 for MGTB 60 only)

**Motor type and size:**  
- Leave blank: Without a motor

**Motor type:** \_\_\_\_\_  
- A: Stepper motor without a brake  
- B: Stepper motor with a brake

**Motor size □:** \_\_\_\_\_  
- B: 42 mm  
- C: 56 mm  
- D: 86 mm (Currently not available)

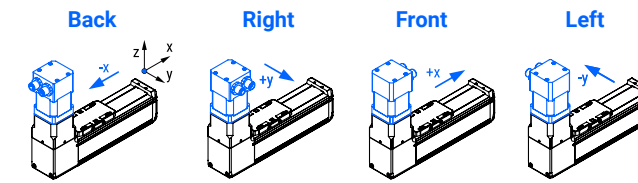
**Available sizes:**  
- MGTB 32: 42  
- MGTB 45: 42, 56  
- MGTB 60: 56, 86

**Motor mounting option:**  
- Leave blank: Without a motor

**Mounting option:** \_\_\_\_\_  
- A: With a motor adapter VK

**Mounting option:** \_\_\_\_\_  
- B: Connectors facing back  
- R: Connectors facing right  
- F: Connectors facing front  
- L: Connectors facing left

**In combination with a motor adapter VK**



**Drive option:**  
- Leave blank: Without a motor or drive

**Drive type:** \_\_\_\_\_  
- A: Stepper

**Drive-motor cables option:**  
- Leave blank: Without a motor or drive  
- 00: Without the cables

**Cables type:** \_\_\_\_\_  
- A: Robotic with a straight plug  
- B: Robotic with an angled plug

**Power and signal cables:**  
- Leave blank: Without a motor or drive

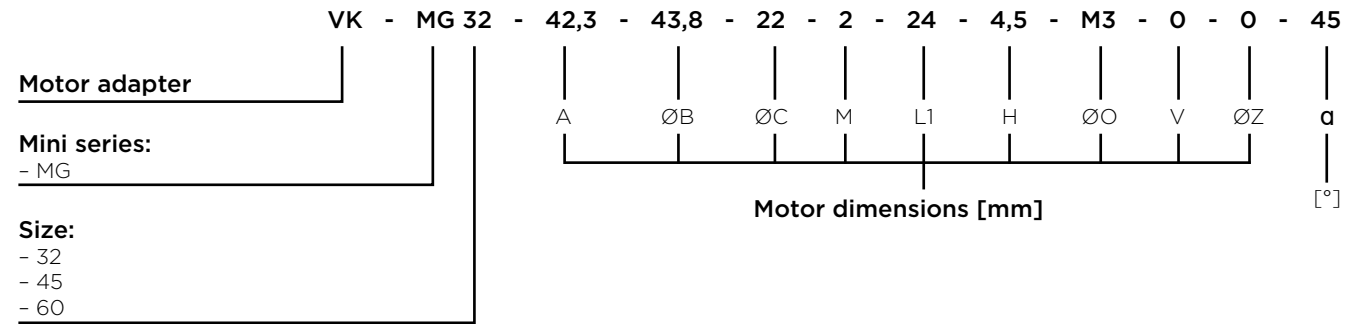
**Power cable:** \_\_\_\_\_  
- 0: Without a power cable  
- A: With a power cable

**Drive protocol/control:**  
- A: EtherCAT  
- B: Ethernet based communication  
- C: Pulse-direction control  
- D: Profinet

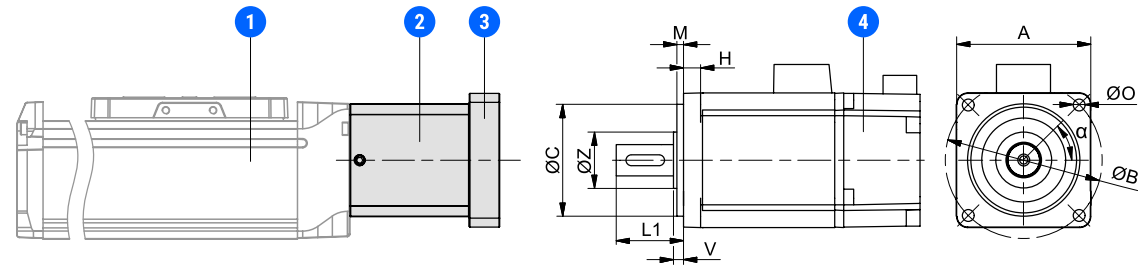
**Cables length:**  
- A: 3 m  
- B: 5 m  
- C: 10 m

**Signal cable:**  
- 0: Without a signal cable  
- A: With a signal cable

## Motor Adapter VK

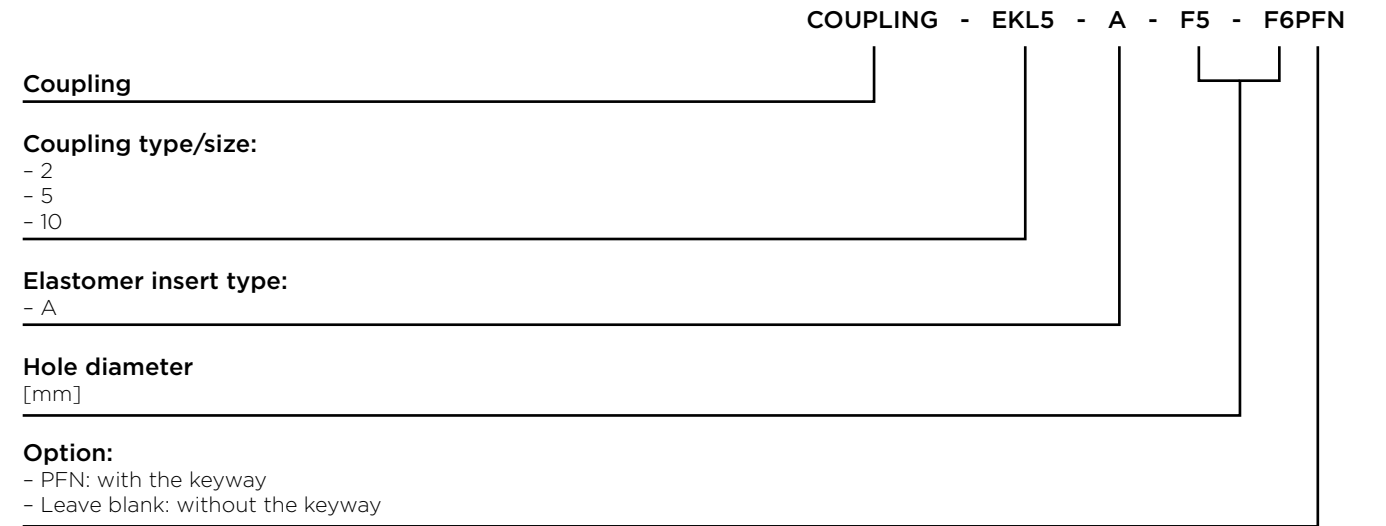


Dimension ØO is also used for tapped holes. In case of tapped holes, prefix M must be applied.

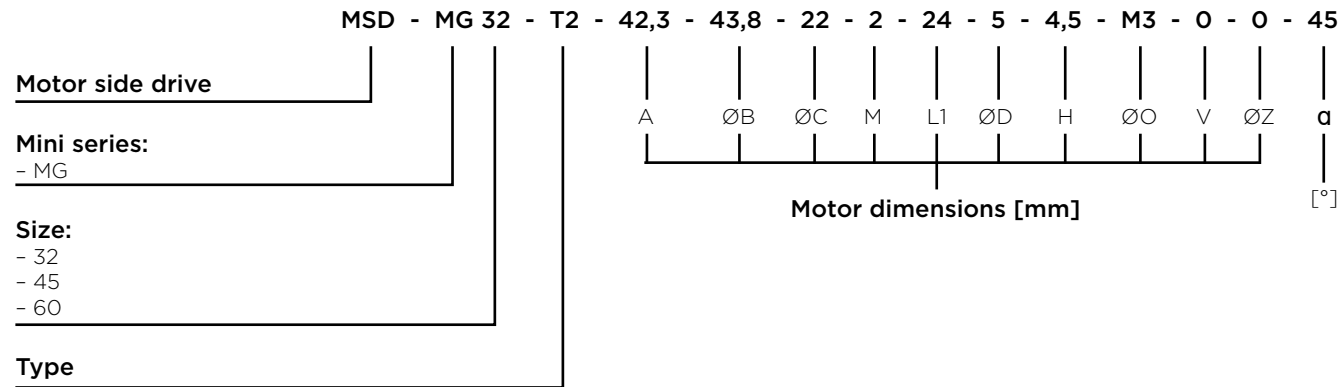


- 1 - MGBS/MGTB
  - 2 - Motor adapter housing
  - 3 - Motor adapter flange
  - 4 - Motor
- Motor adapter VK

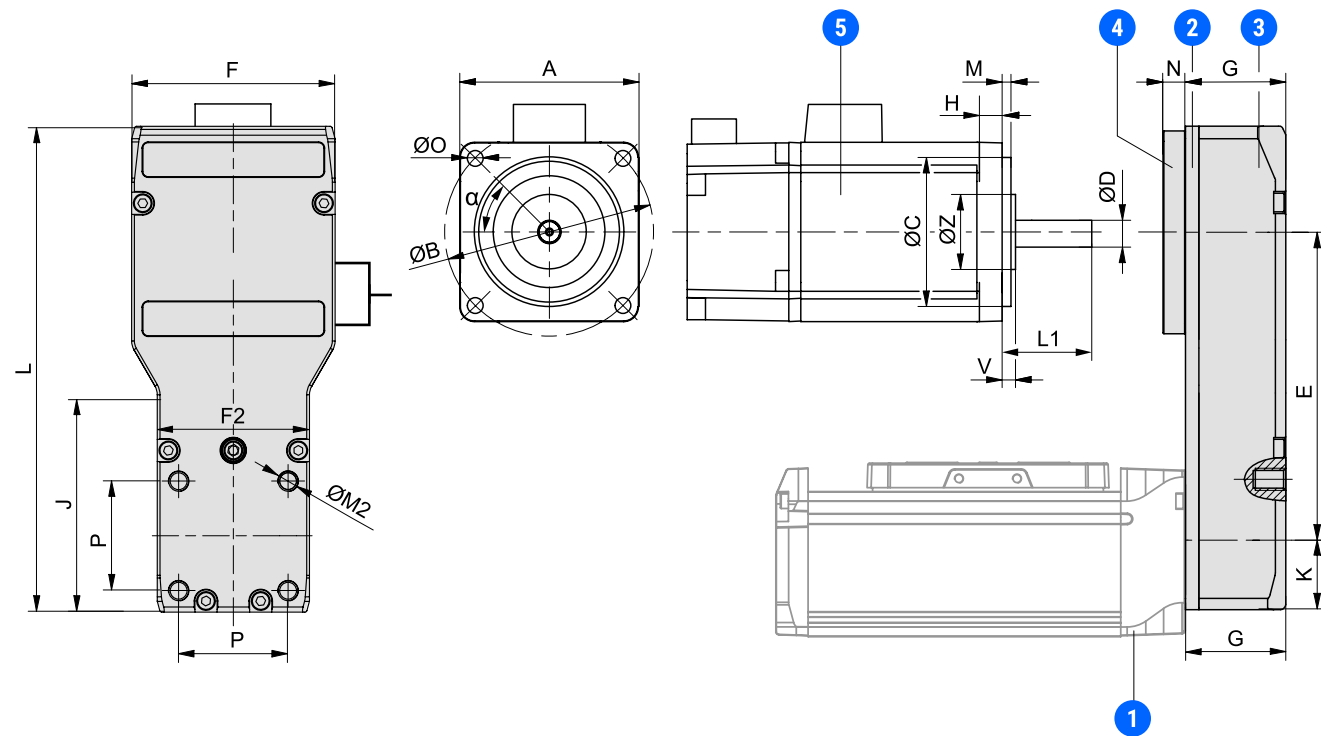
## Couplings



# Motor side drive MSD with a timing belt

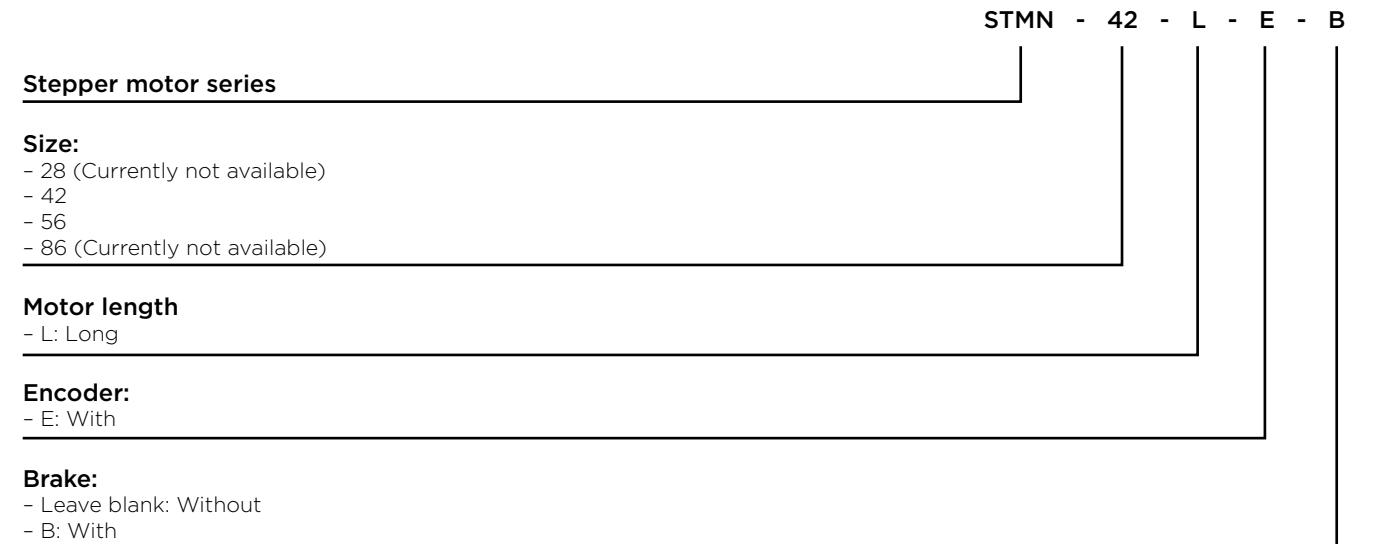


Dimension ØO is also used for tapped holes. In case of tapped holes, prefix M must be applied.



- 1 - MGBS
  - 2 - Motor side drive housing
  - 3 - Motor side drive cap
  - 4 - Motor side drive tensioning plate
  - 5 - Motor
- Motor side drive MSD

# Motor



# Drive

STDF - 42 - A - EC

**Stepper drive series**

- STDF
- STDL<sup>1</sup>

**Size:**

- 28 (Currently not available)
- 42
- 56
- 86 (Currently not available)
- 040<sup>1</sup> (for motor size 42 or 56)

**Operating voltage:**

- A: 24
- B: 40-70
- C: 20-50

**Protocol/control:**

- EC: EtherCAT
- EN: Ethernet based communication
- PD: Pulse-direction control
- PN<sup>1</sup>: Profinet

<sup>1</sup> Only available with Profinet communication, oprating voltage option C and motor size option 040.

# Drive-motor cables

STCF - E - A8 - 05

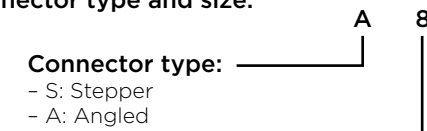
**Stepper drive/motor cable series**

- STCF: for STDF drives
- STCS: for STDL drives

**Type:**

- M: Motor cable
- E: Encoder cable
- B: Brake cable

**Connector type and size:**



- Connector type:**
- S: Stepper
  - A: Angled

- Connector size:**
- 8: M8
  - 12: M12

**Cable length:**

- 03: 3 m
- 05: 5 m
- 10: 10 m

STCF - BT - 02

**Stepper drive/motor cable series**

**Type:**

- BT: Brake to terminal cable

**Cable length:**

- 02: 2 m

## Power and signal cables

STCF - P - 02

### Stepper drive/motor cable series

**Type:**

- P: Power cable

**Cable length:**

- 02: 2 m

STCF - S - EC - 02

### Stepper drive/motor cable series

**Type:**

- S: Signal cable

**Drive protocol/control:**

- EC: EtherCAT  
 - EN: Ethernet based communication  
 - PD: Pulse-direction control

**Cable length:**

- 02: 2 m

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