

7 Mounting Positions and Important Order Information

7.1 General information on mounting positions

Mounting position designation

SEW-EURODRIVE differentiates between six mounting positions M1 ... M6 for gear units. The following figure shows the position of the gear unit in mounting positions M1 ... M6.

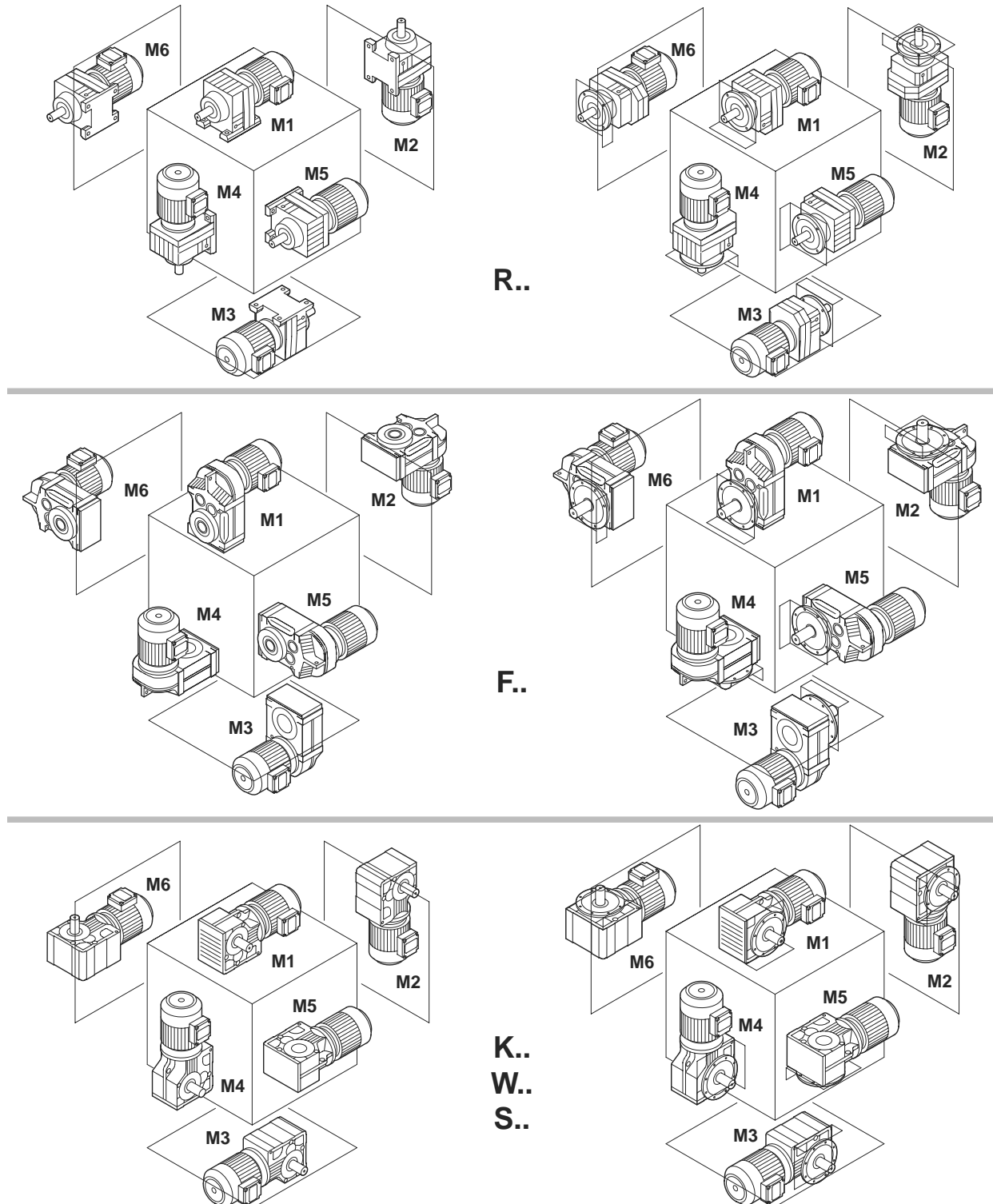


Figure 31: Depiction of mounting positions M1 ... M6

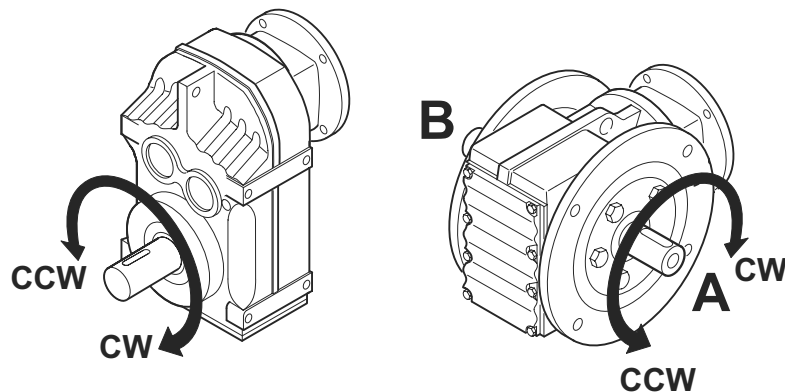
03203AXX

7.2 Important order information

Direction of rotation of the drive with a backstop

The following order information is required for R, F, K and S gear units in addition to the mounting position to exactly determine the design of the drive.

If the drive has a backstop, it will be necessary to indicate the required direction of rotation for the output shaft/output side. The direction of rotation is given looking onto the output shaft/output side of the gear unit. For drives with shaft ends at sides A and B, the direction of rotation must be specified as looking onto side A.



50290AXX

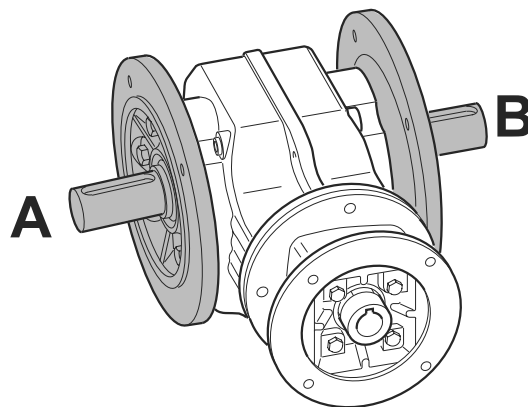
Figure 32: Direction of rotation of the output with a backstop

- CW = Rotating clockwise
CCW = Rotating counterclockwise

Position of the output shaft and the output flange

In right-angle gear units, it is also necessary to indicate the position of the output shaft and the output flange:

- A or B

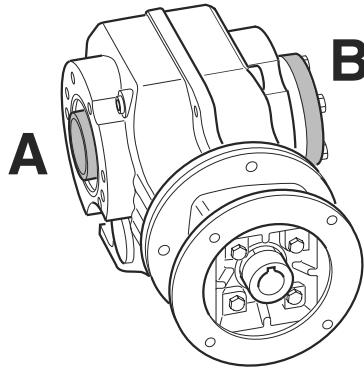


50296AXX

Figure 33: Position of the output shaft and the output flange

Position of the output end in right-angle gear units

In shaft mounted right-angle gear units with a shrink disc, it is also necessary to indicate whether the A or B end is the output end. In Figure 34, the A end is the output end. The shrink disc is located opposite the output end.



50297AXX

Figure 34: Position of the output end in right-angle gear units



You will find the permitted mounting surfaces (= hatched area) in the mounting position sheets (page 75 and the following pages).

Example: Only the mounting surface at the bottom is possible with helical-bevel gear units K167/K187 in mounting positions M5 and M6.

7


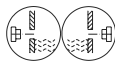

Sample order

Type (examples)	Mounting position	Shaft position	Flange position	Output end	Position of shrink disc	Direction of rotation of output
K47../RS	M2	A	-	-	-	CW
SF77	M6	AB	AB	-	-	-
KA97	M4	-	-	B	-	-
KH107	M1	-	-	A	B	-

7.3 Key to the mounting position sheets

Symbols used

The following table shows the symbols used in the mounting position sheets and what they mean:

Symbol	Meaning
	Breather valve
	Oil level plug
	Oil drain plug

Churning losses

* → page XX

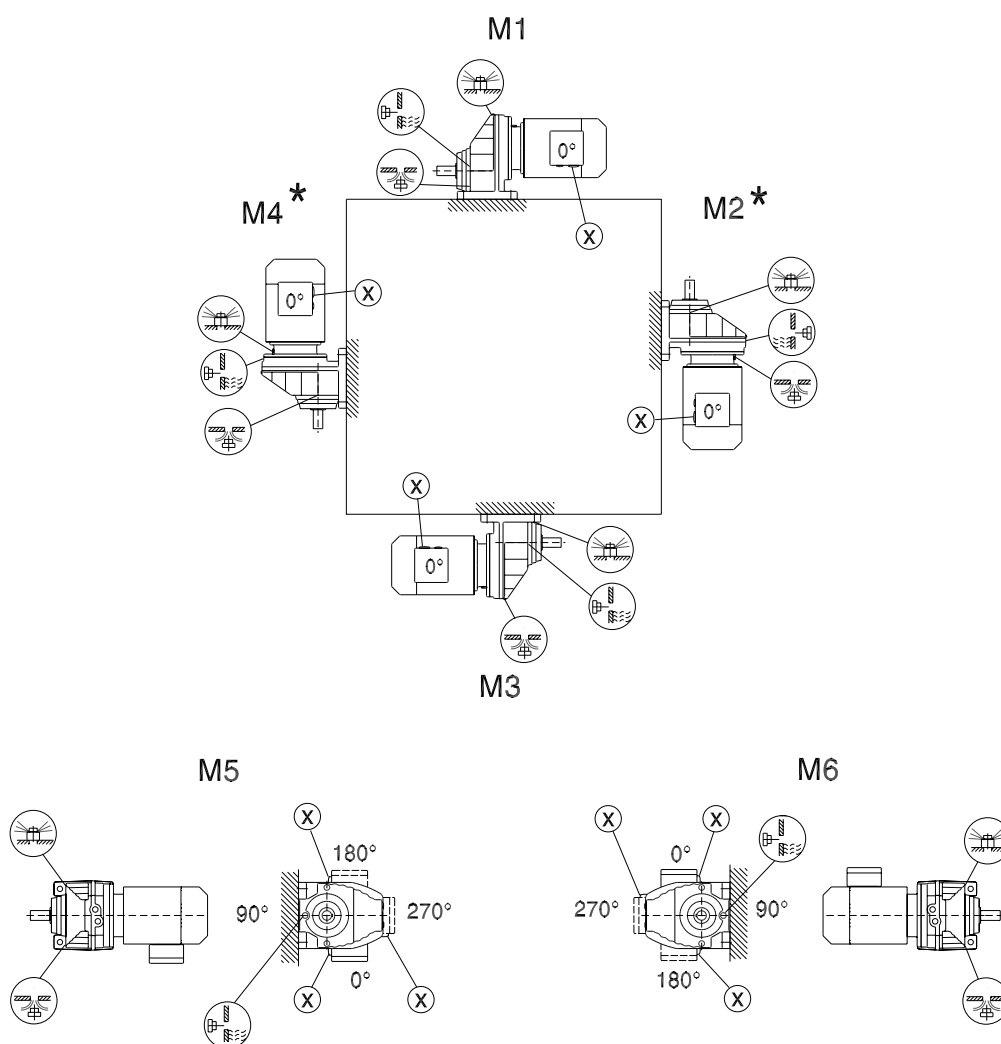
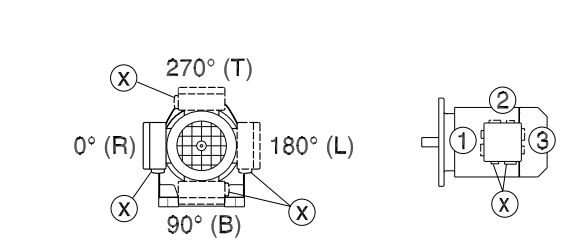
Increased churning losses may arise in some mounting positions. Contact SEW-EURODRIVE in case of the following combinations:

Mounting position	Gear unit type	Gear unit size	Input speed [1/min]
M2, M4	R	97 ... 107	> 2500
		> 107	> 1500
M2, M3, M4, M5, M6	F	97 ... 107	> 2500
		> 107	> 1500
	K	77 ... 107	> 2500
		> 107	> 1500
	S	77 ... 97	> 2500

7.4 Mounting positions for helical gearmotors

RX57-RX107

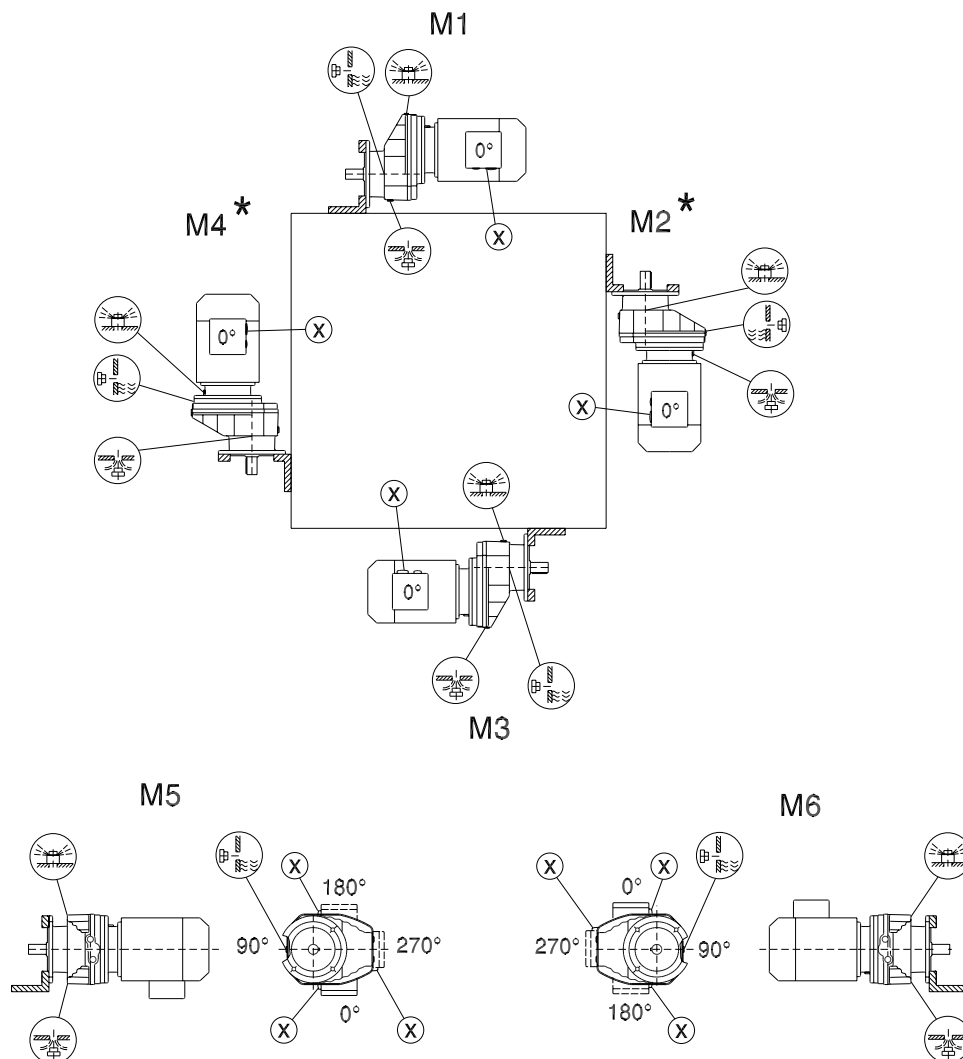
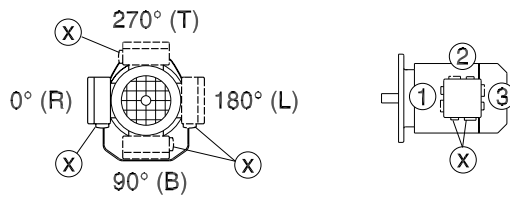
04 043 02 00



* → page 74

RXF57-RXF107

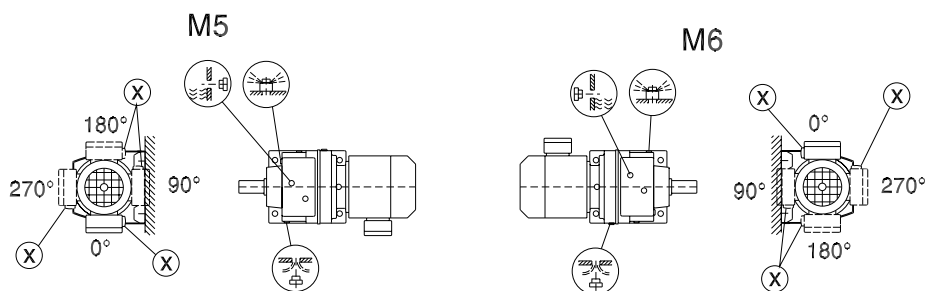
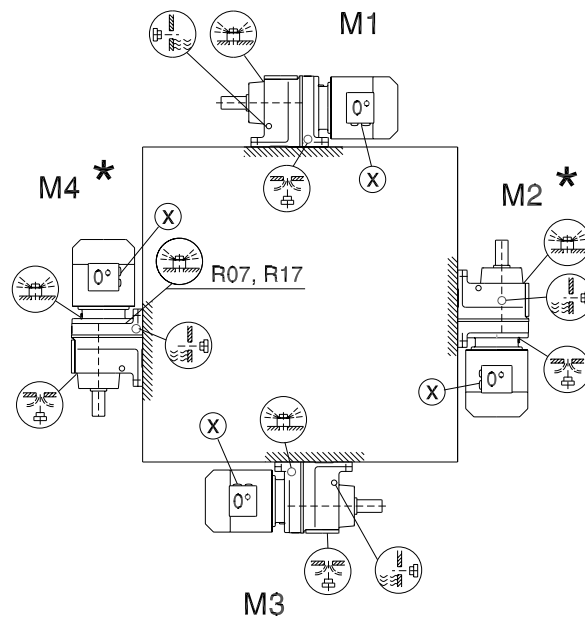
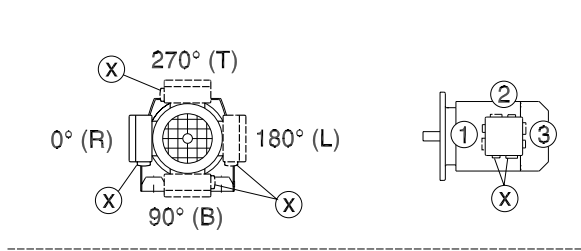
04 044 02 00



* → page 74

R07-R167

04 040 03 00

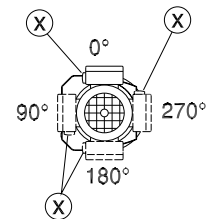
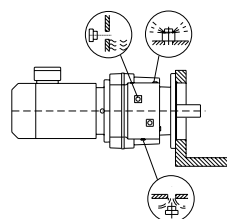
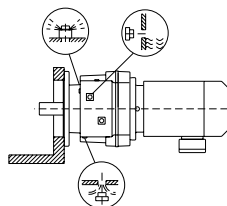
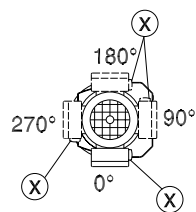
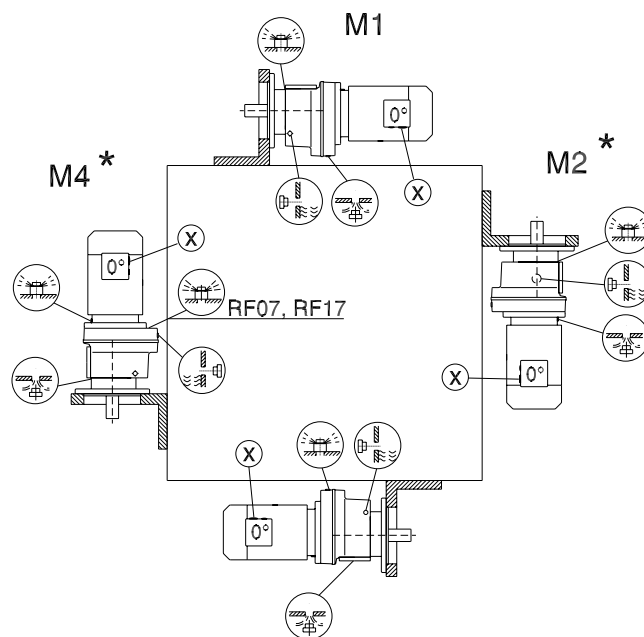
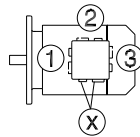
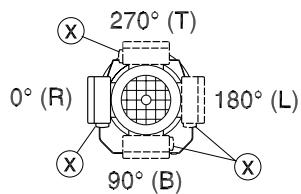


R07		M1, M2, M3, M5, M6
R17, R27		M1, M3, M5, M6
R07, R17, R27		
R47, R57		M5

* → page 74

RF07-RF167

04 041 02 00

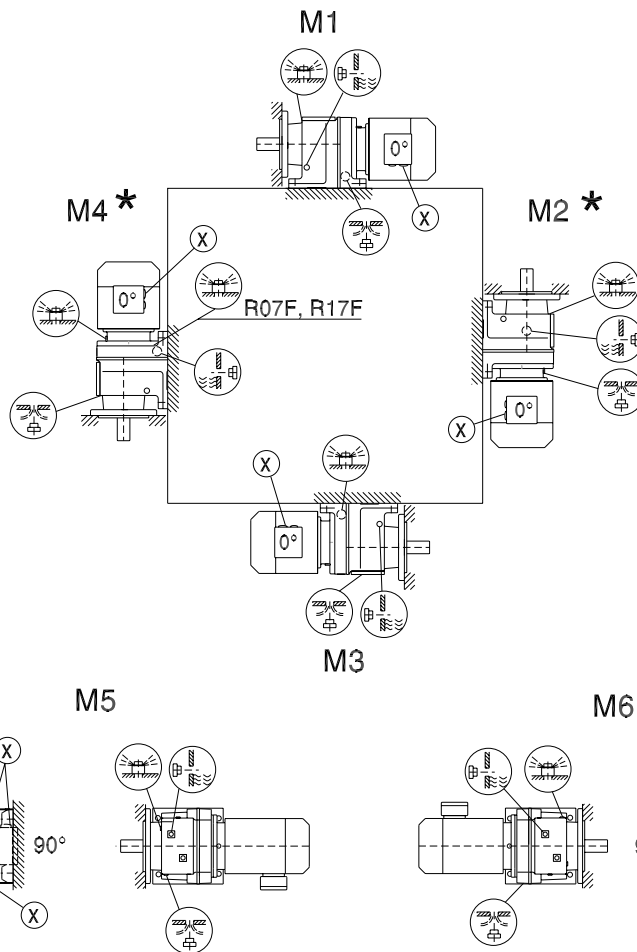
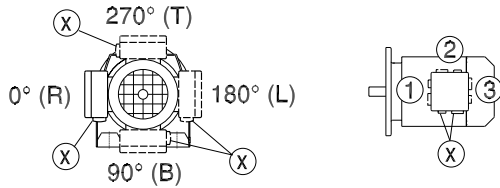


RF07		M1, M2, M3, M5, M6
RF17, RF27		M1, M3, M5, M6
RF07, RF17, RF27		
RF47, RF57		M5

* → page 74

R07F-R87F

04 042 03 00



R07F		M1, M2, M3, M5, M6
R17F, R27F		M1, M3, M5, M6
R07F, R17F, R27F		
R47F, R57F		M5

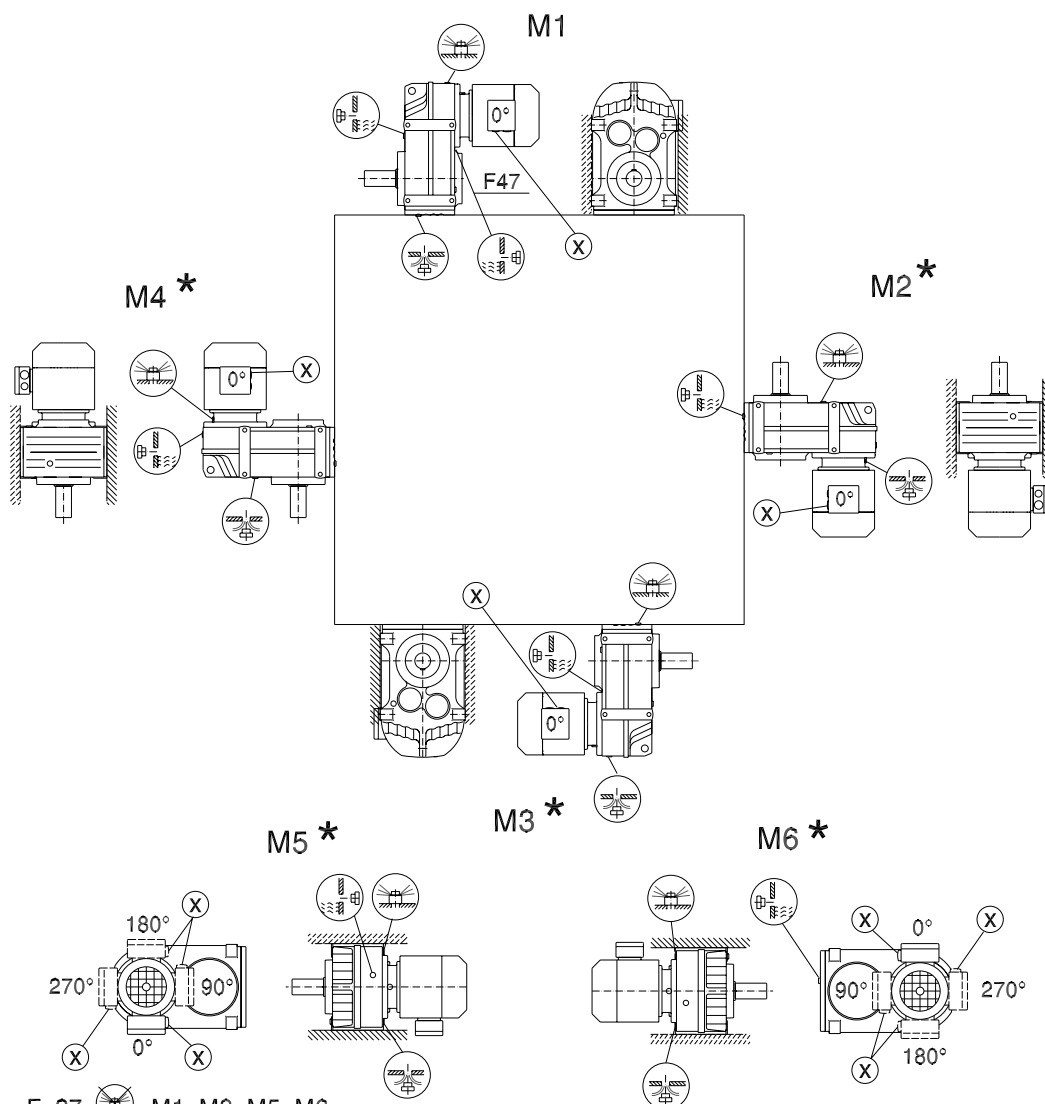
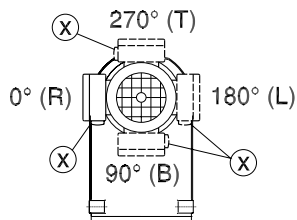
* → page 74

Important: See the information in the "Gearmotors" catalog, section "Project Planning for Gear Units/Overhung and axial loads"

7.5 Mounting positions for parallel shaft helical gearmotors

F/FA..B/FH27B-157B, FV27B-107B

42 042 02 00



F..27 M1, M3, M5, M6

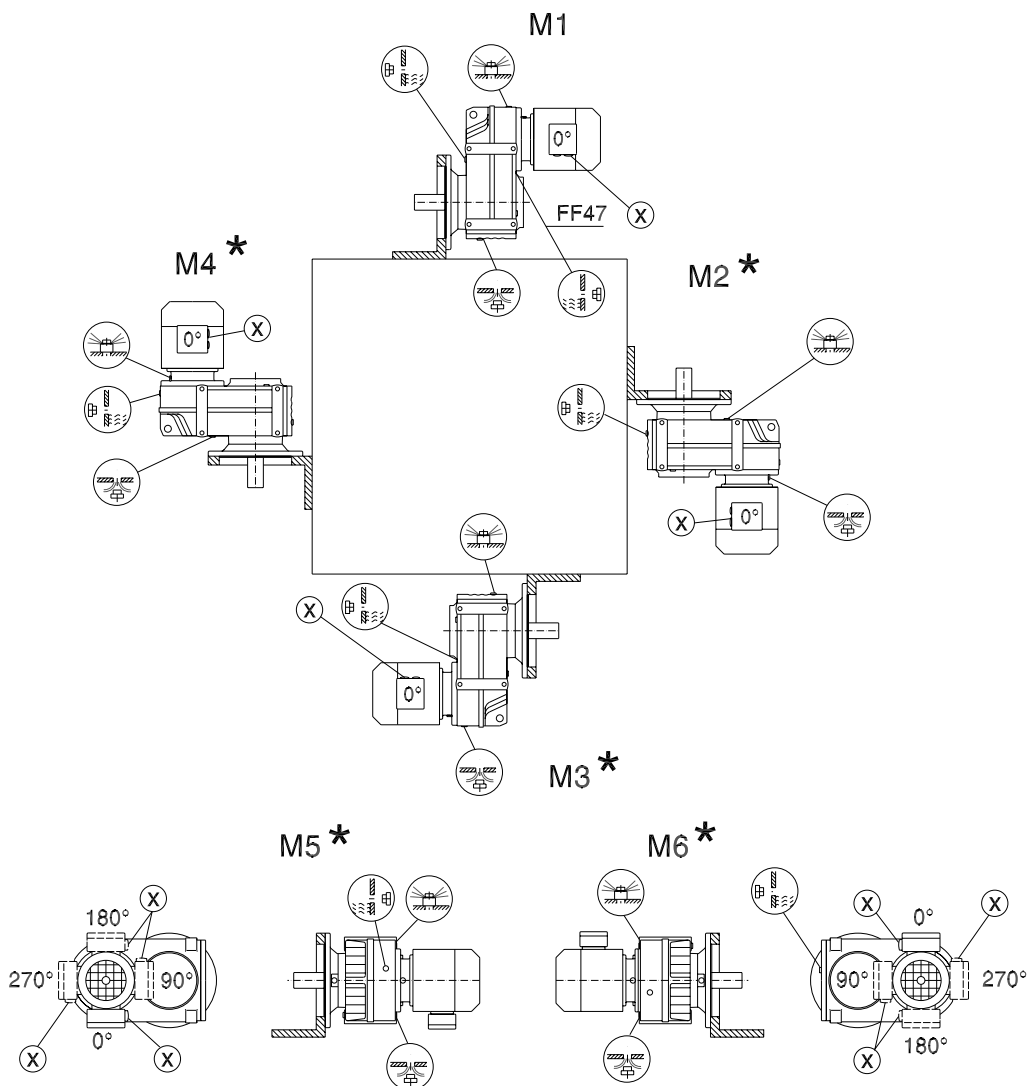
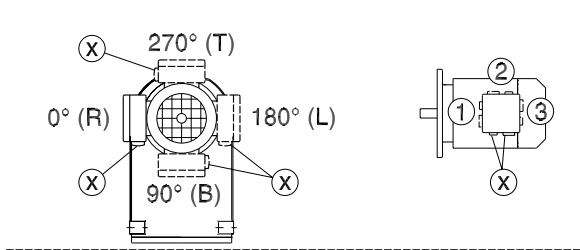
F..27 M1 - M6

F..27 M1, M3, M5, M6

* → page 74

FF/FAF/FHF/FAZ/FHZ27-157, FVF/FVZ27-107

42 043 02 00

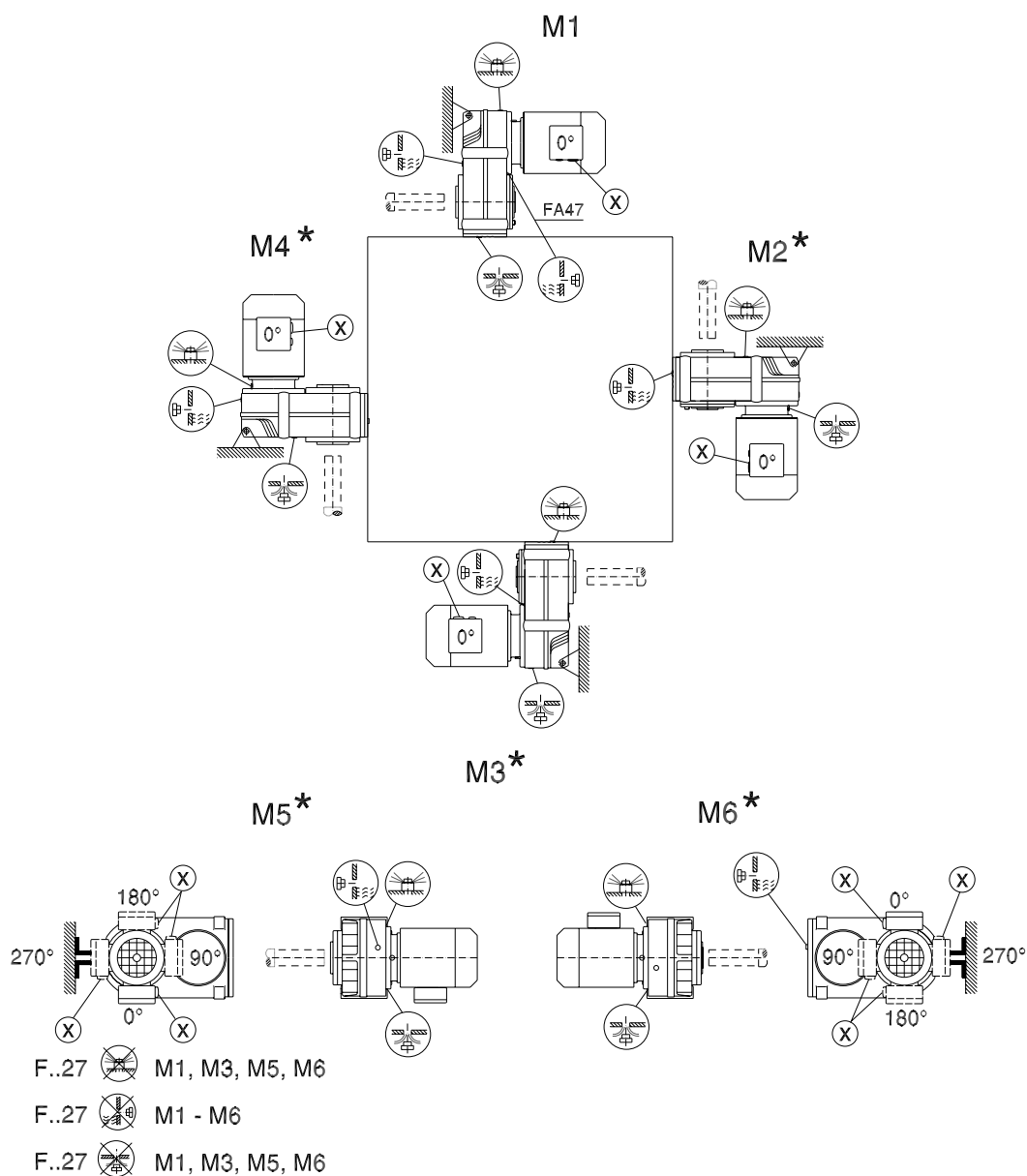
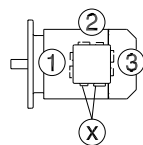
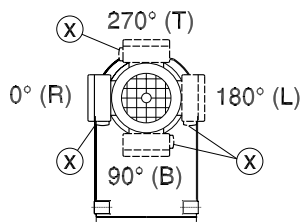


- F..27 M1, M3, M5, M6
F..27 M1 - M6
F..27 M1, M3, M5, M6

* → page 74

FA/FH27-157, FV27-107, FT37-97

42 044 02 00

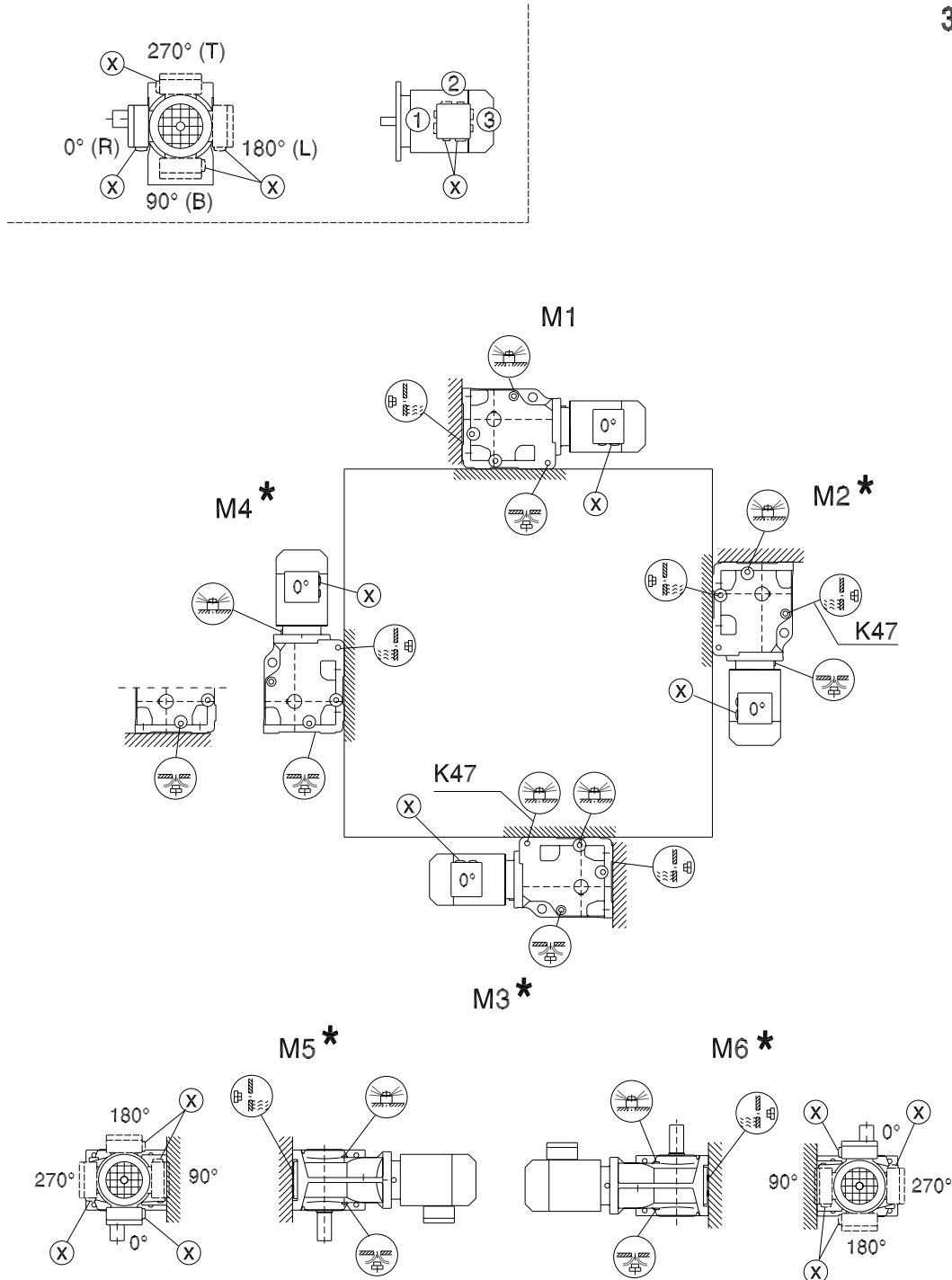


* → page 74


7.6 Mounting positions for helical-bevel gearmotors

K/KA..B/KH37B-157B, KV37B-107B

34 025 02 00

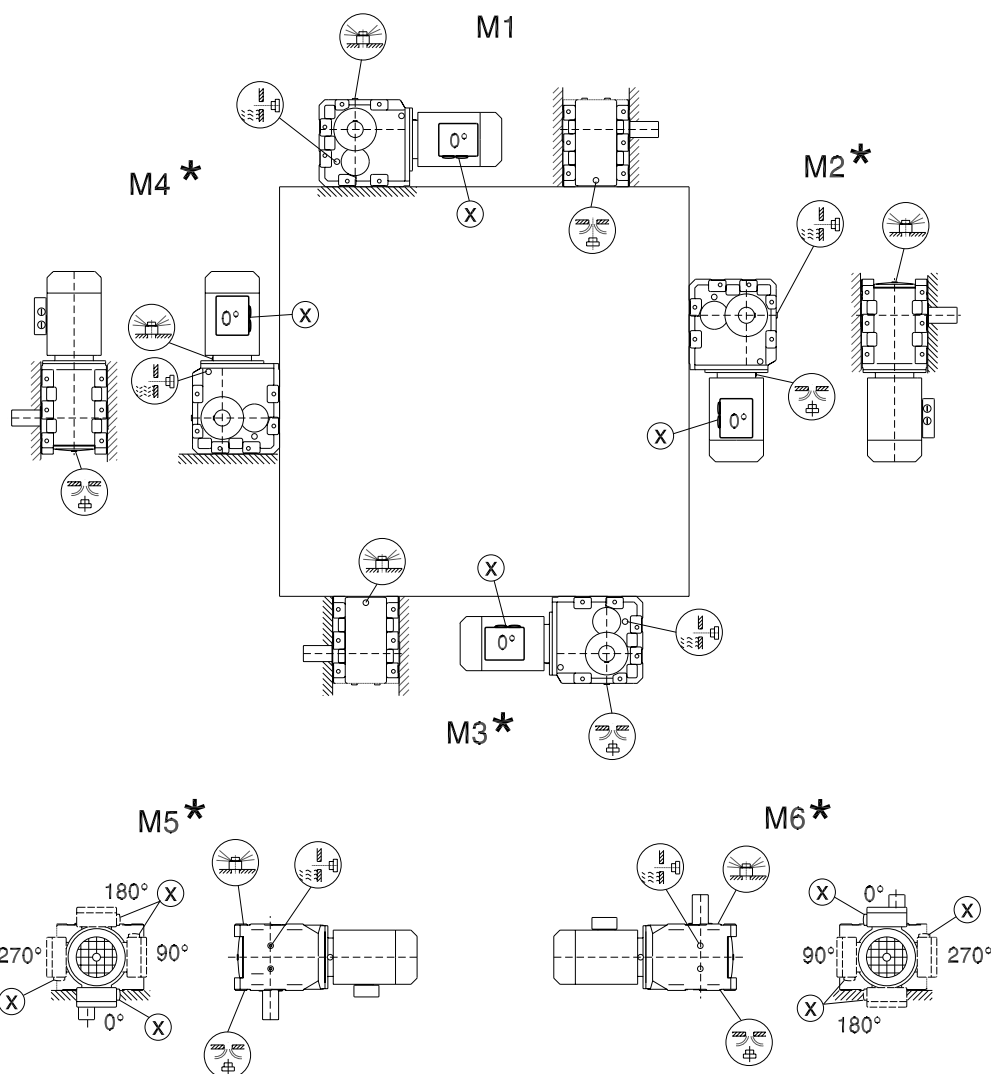
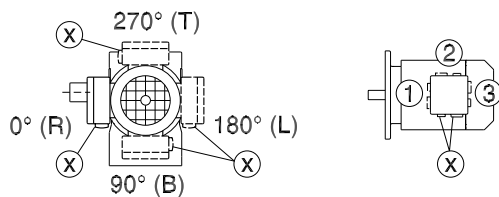


* → page 74


Important: See the  information in the "Gearmotors" catalog, section "Project Planning for Gear Units/Overhung and axial loads."

K167-187, KH167B-187B

34 026 02 00

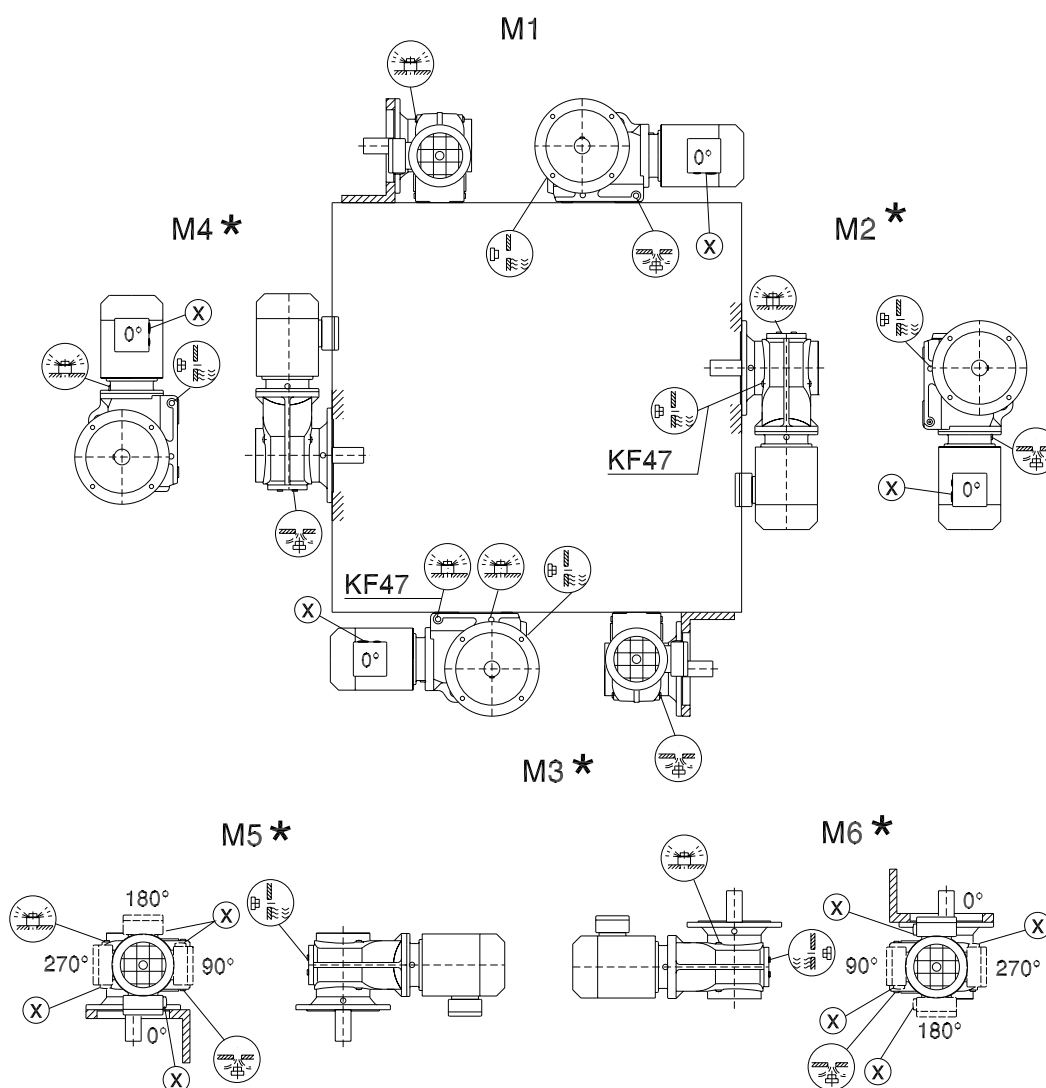
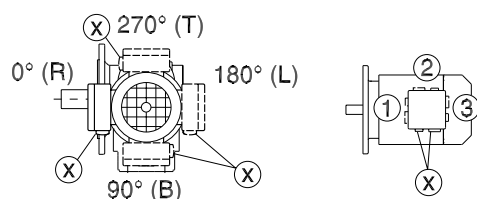


* → page 74

Important: See the  information in the "Gearmotors" catalog, section "Project Planning for Gear Units/Overhung and axial loads."

KF/KAF/KHF/KAZ/KHZ37-157, KVF/KVZ37-107

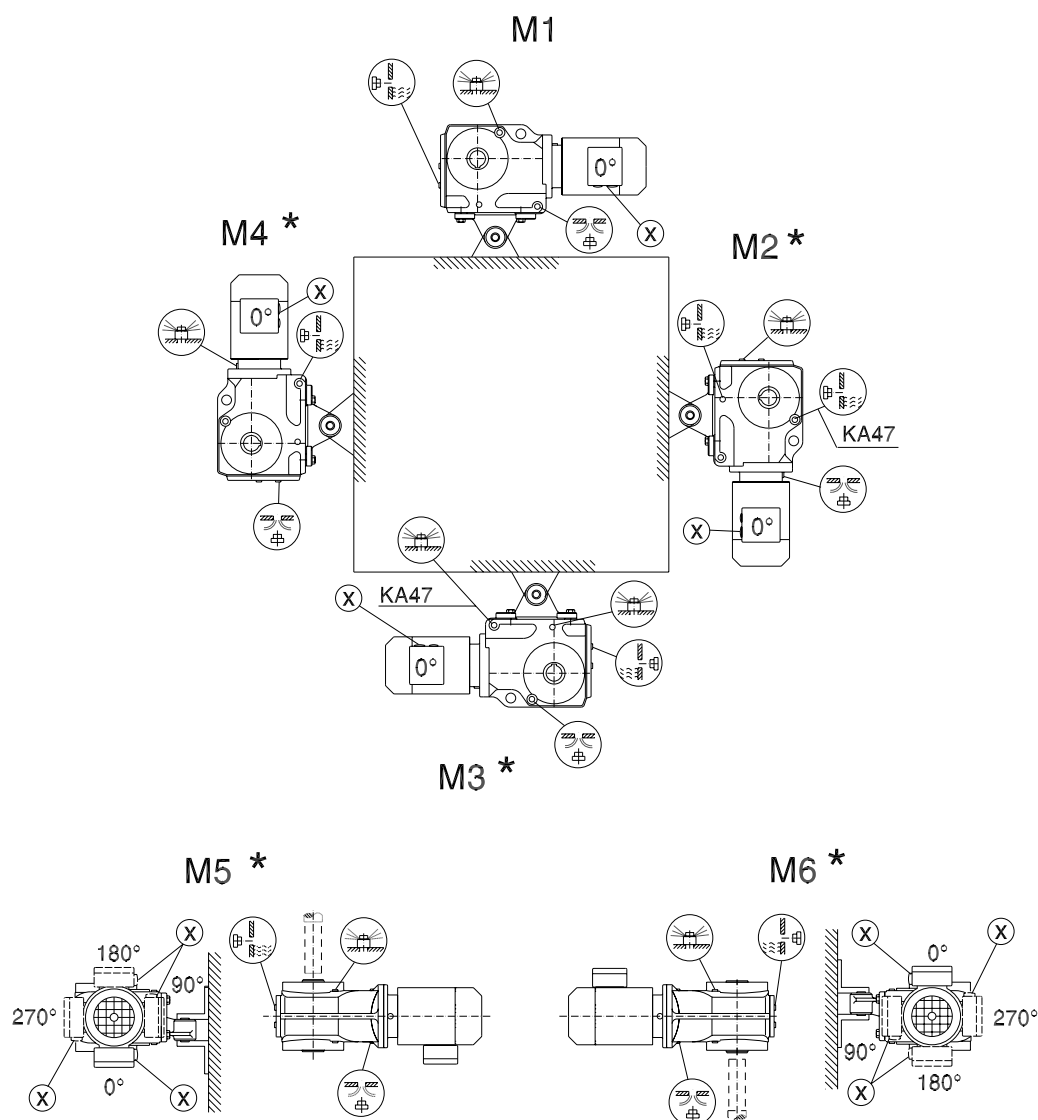
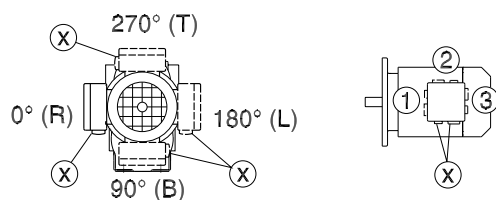
34 027 02 00



* → page 74

KA/KH37-157, KV37-107, KT37-97

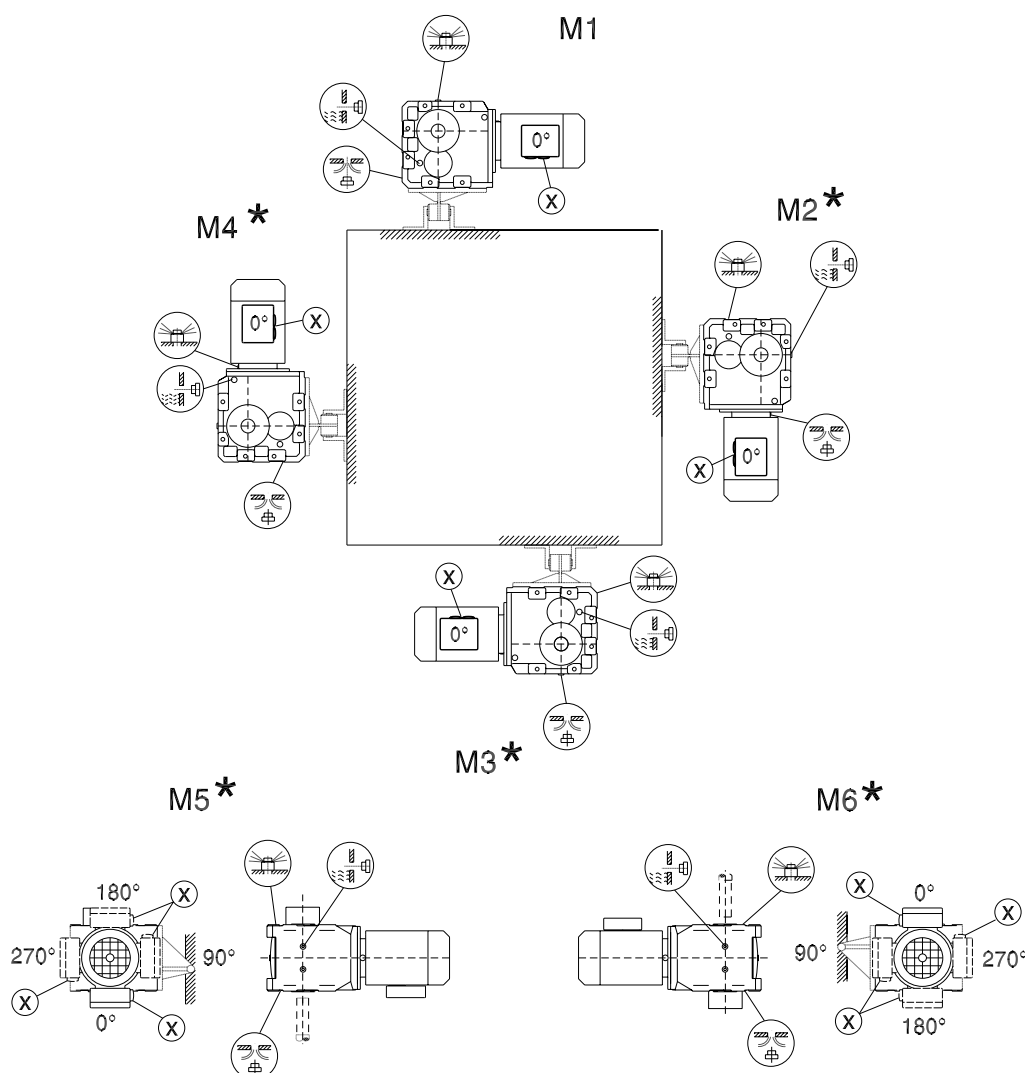
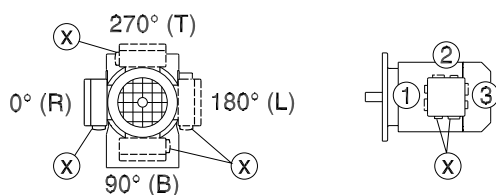
39 025 02 00



* → page 74

KH167-187

39 026 03 00

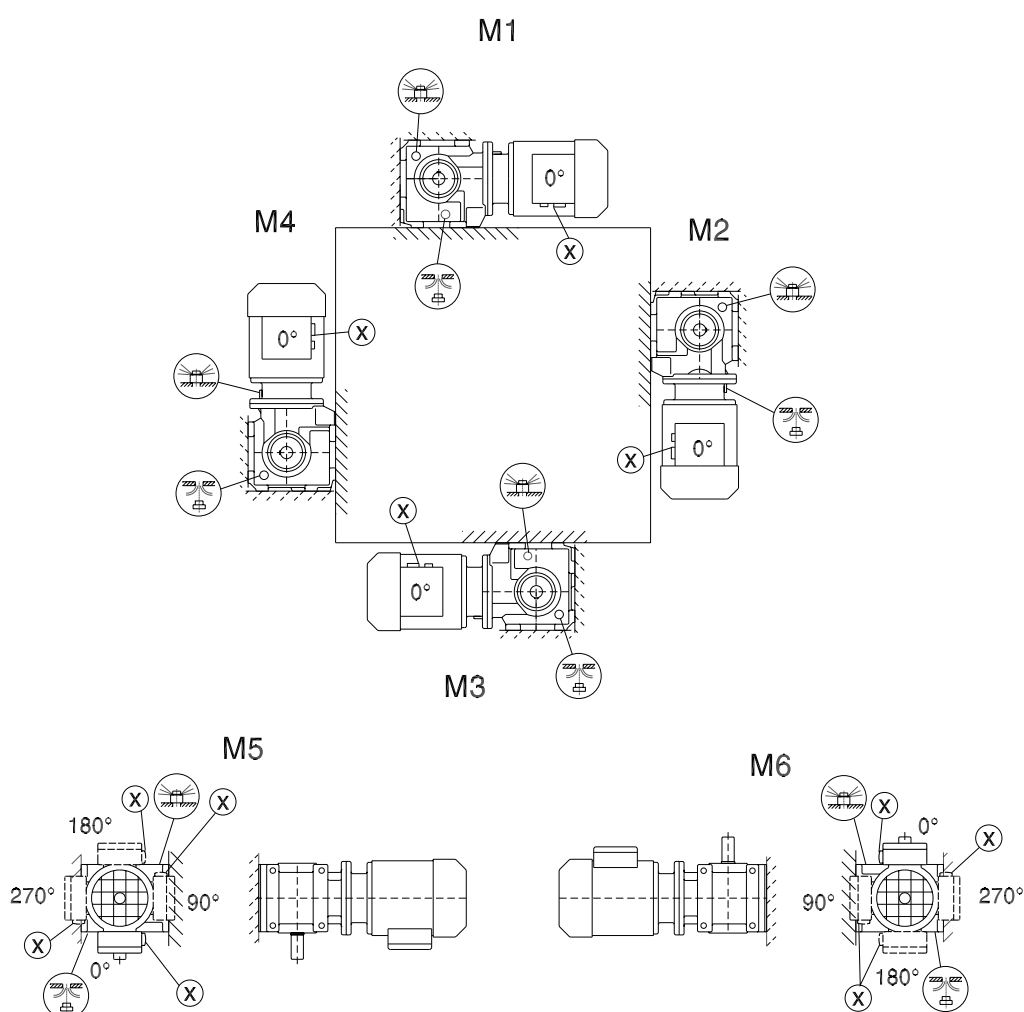
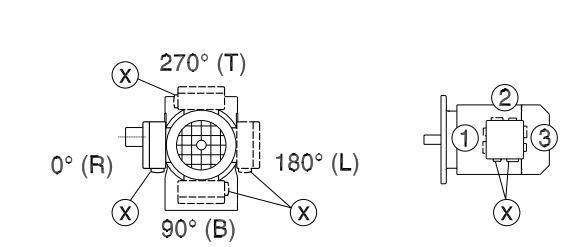


* → page 74


7.7 Mounting positions for helical-worm gearmotors

S37

05 025 02 00

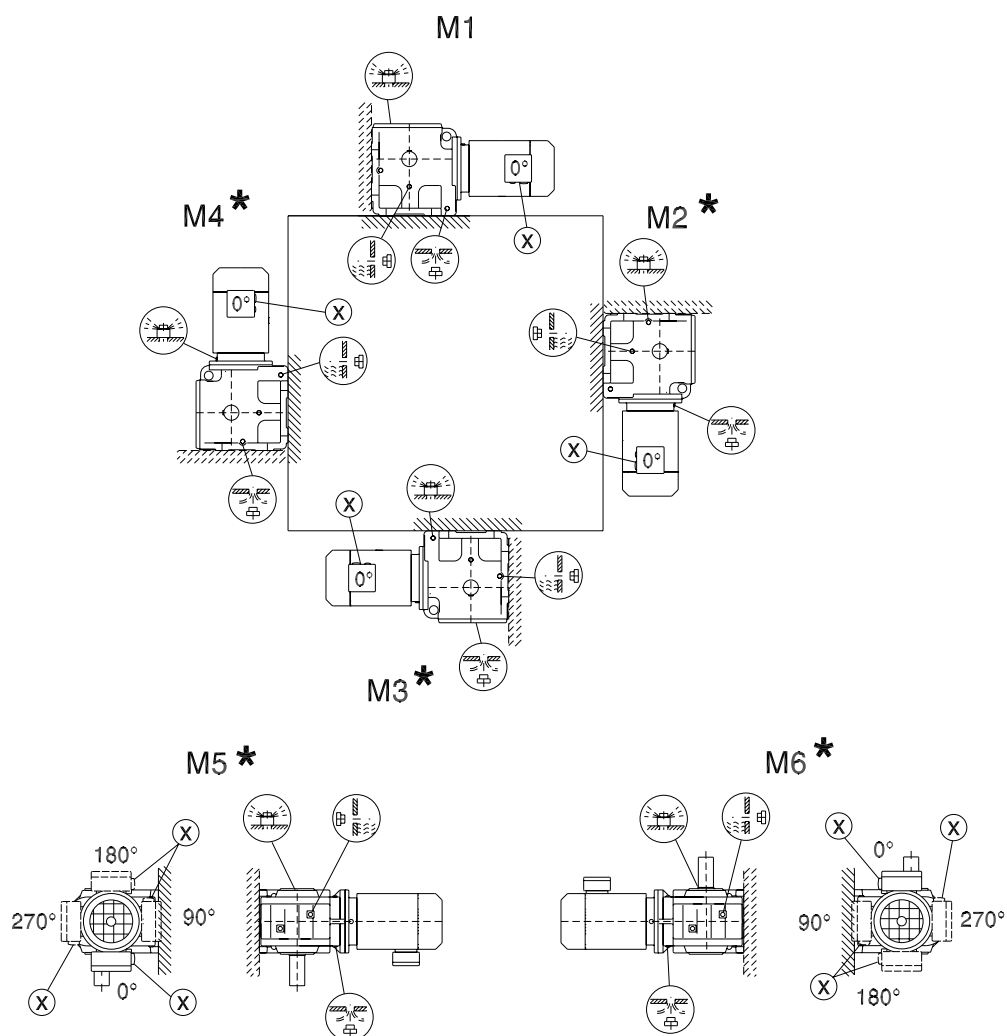
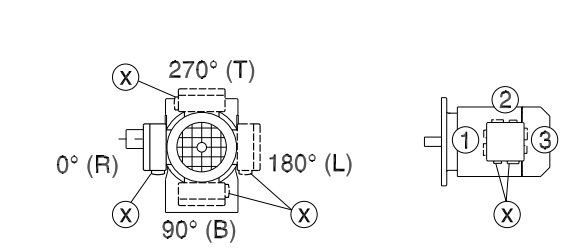


* → page 74


Important: See the  information in the "Gearmotors" catalog, section "Project Planning for Gear Units/Overhung and axial loads."

S47-S97

05 026 02 00

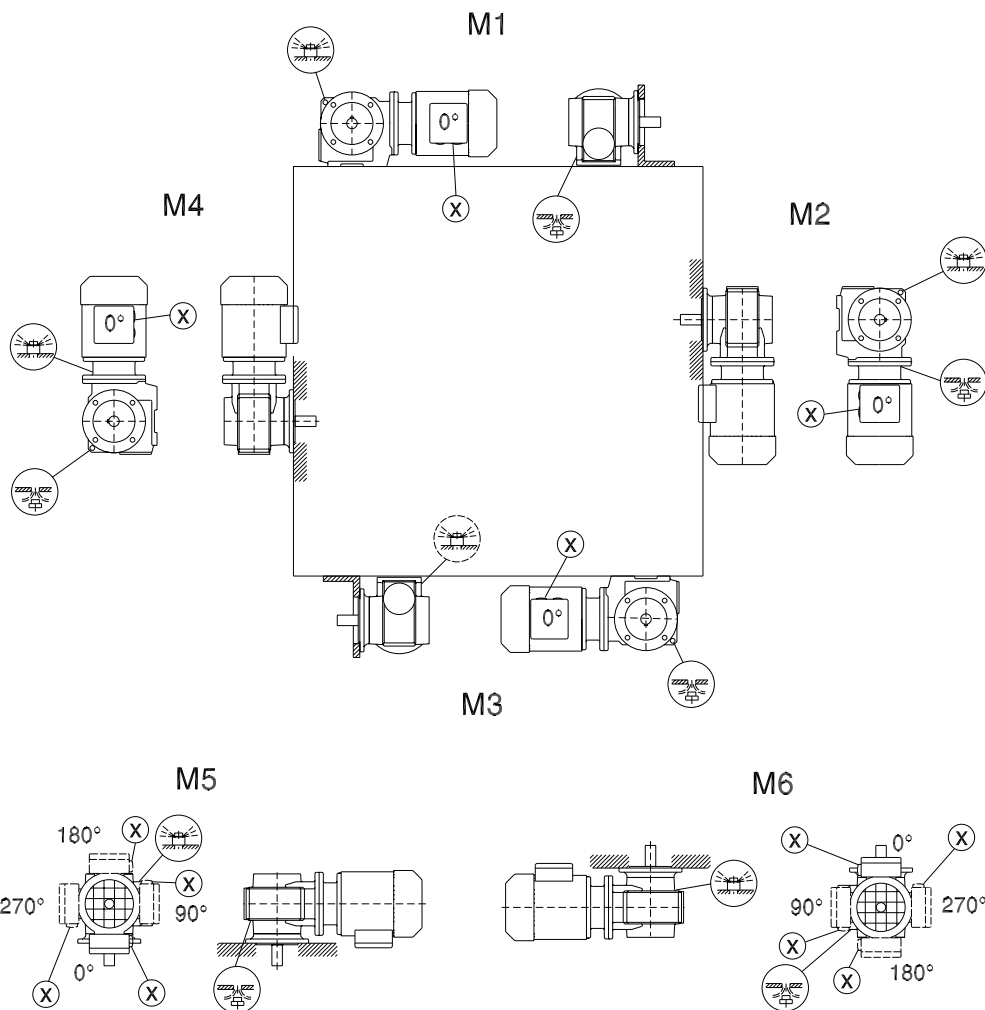
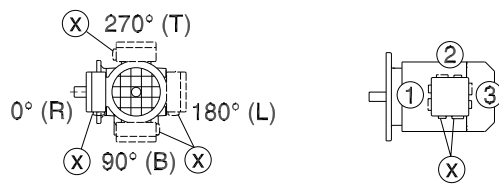


* → page 74

Important: See the  information in the "Gearmotors" catalog, section "Project Planning for Gear Units/Overhung and axial loads."

SF/SAF/SHF37

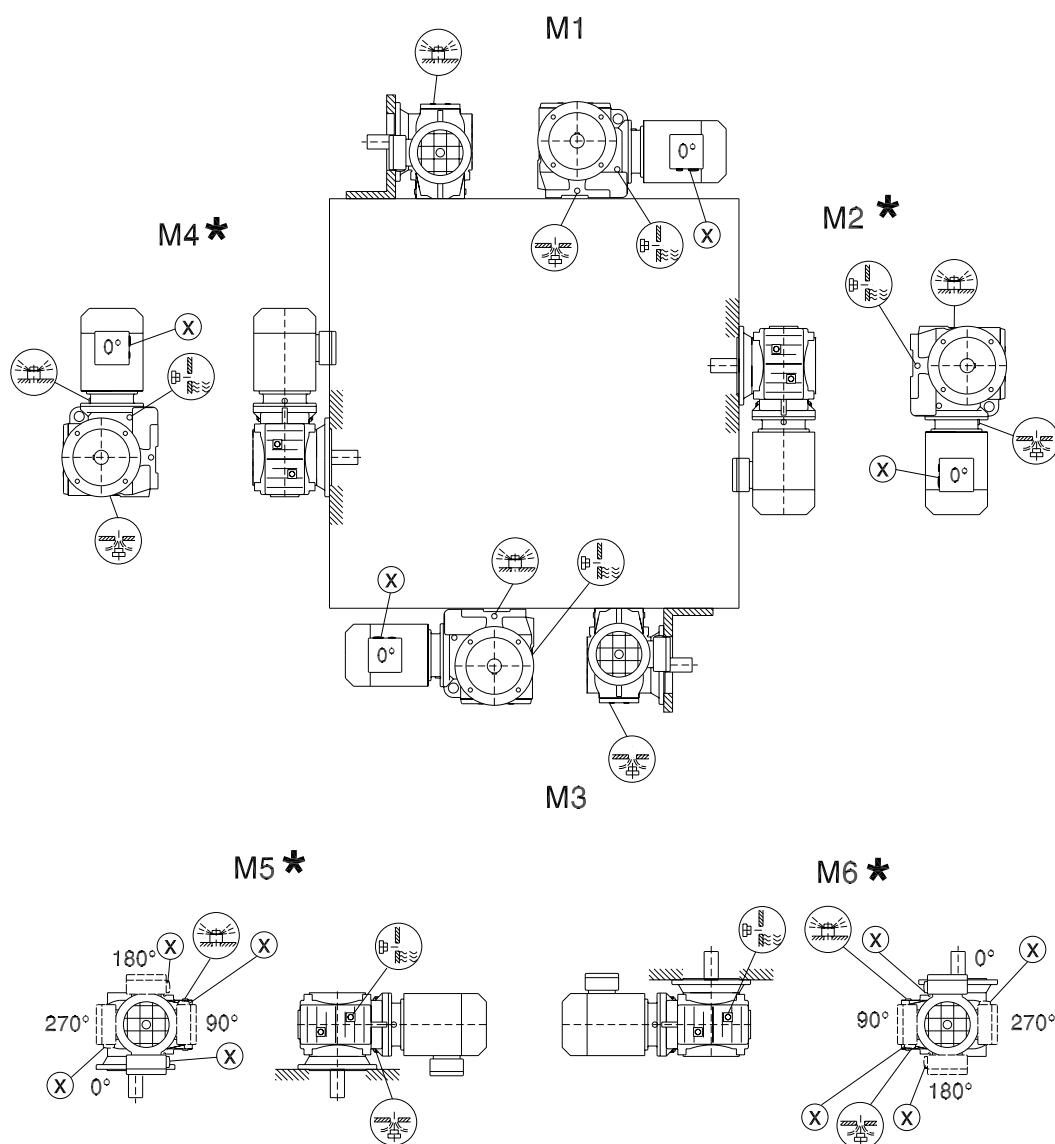
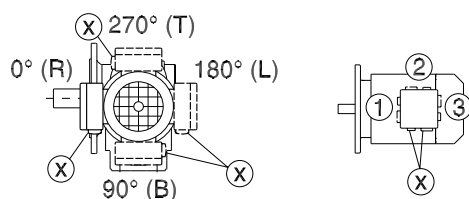
05 027 02 00



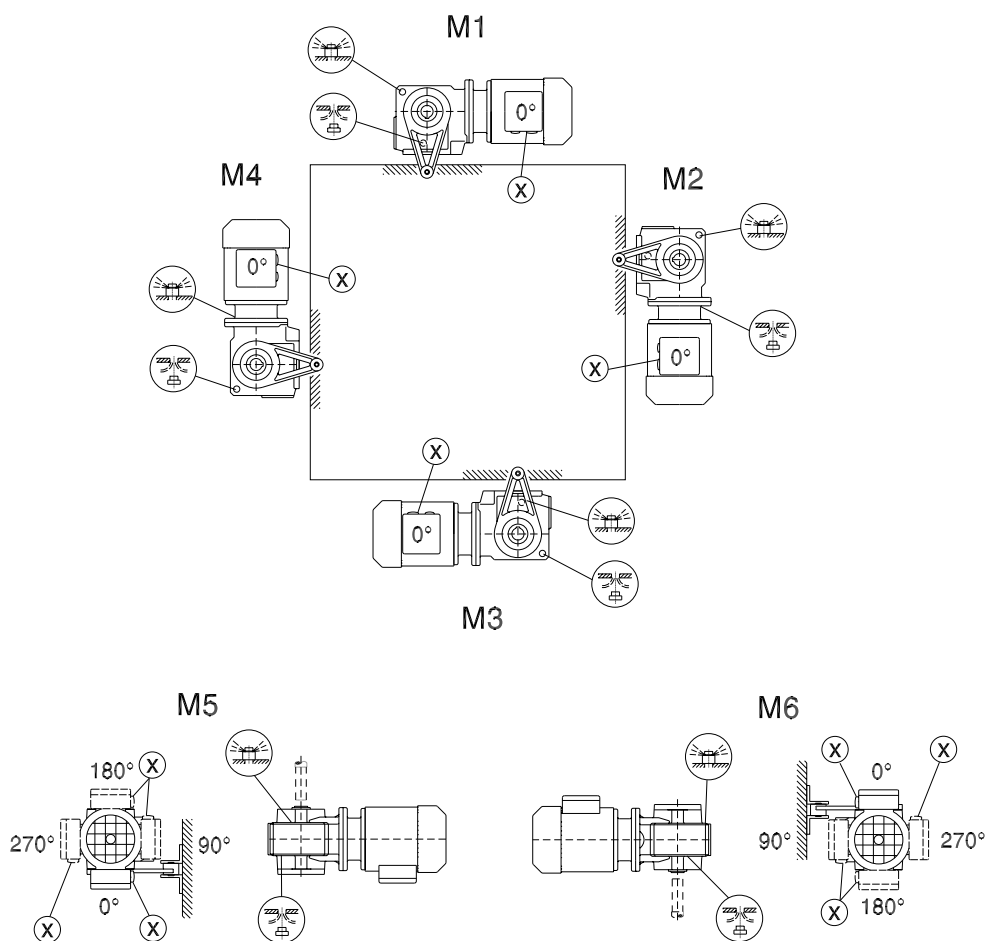
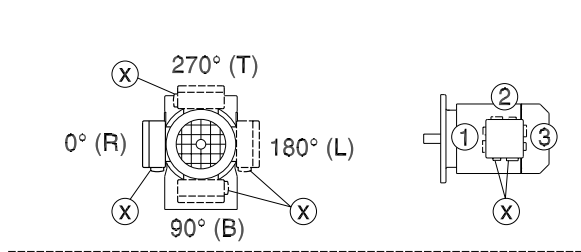
* → page 74

SF/SAF/SHF/SAZ/SHZ47-97

05 028 02 00



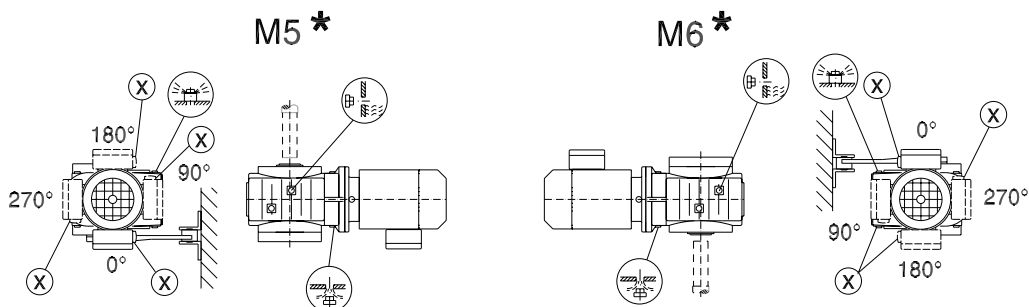
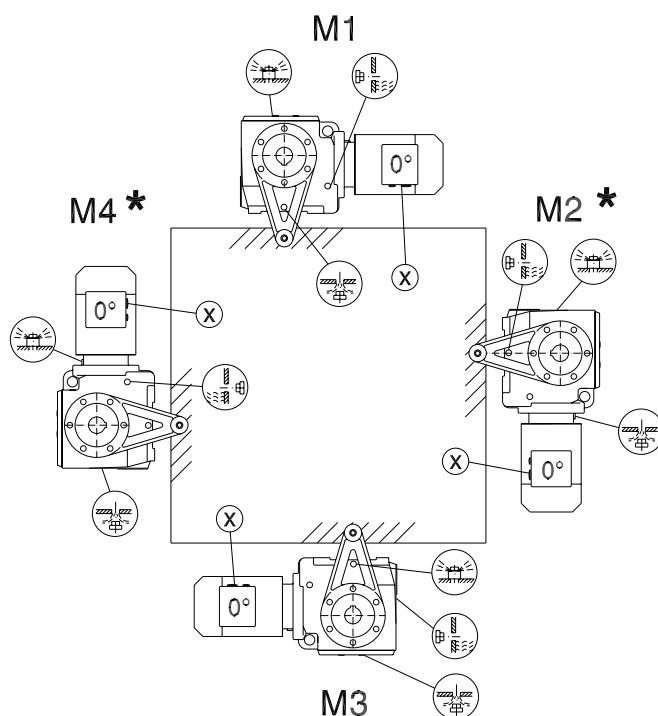
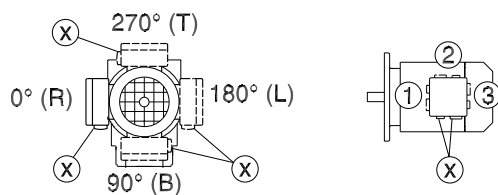
* → page 74

SA/SH/ST37**28 020 02 00**

* → page 74

SA/SH/ST47-97

28 021 02 00



* → page 74