UNIMOTION

MPA 90 120 C DATASHEET

Classic magnet plate

Strong rare-earth magnets

Length: 120 mm

General technical data

	PARAMETER	SYM	UNIT	VALUE
THERMAL	Max. Allowed magnet plate temperature	T_{magnet}	°C	90
MECHANICAL	Magnet plate weight	m_S	$\frac{kg}{m}$	7

Magnet plate dimensions

* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

MPA 90	L1 [mm]	L2 [mm]	N
MPA 90 120 C	120	129,6	2

ℹ 'N' is the number of mounting slots in the x-direction.

Mounting tolerances

* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

** We recommend using a thermally conductive paste between the forcer and heatsink to ensure a better heat transfer.
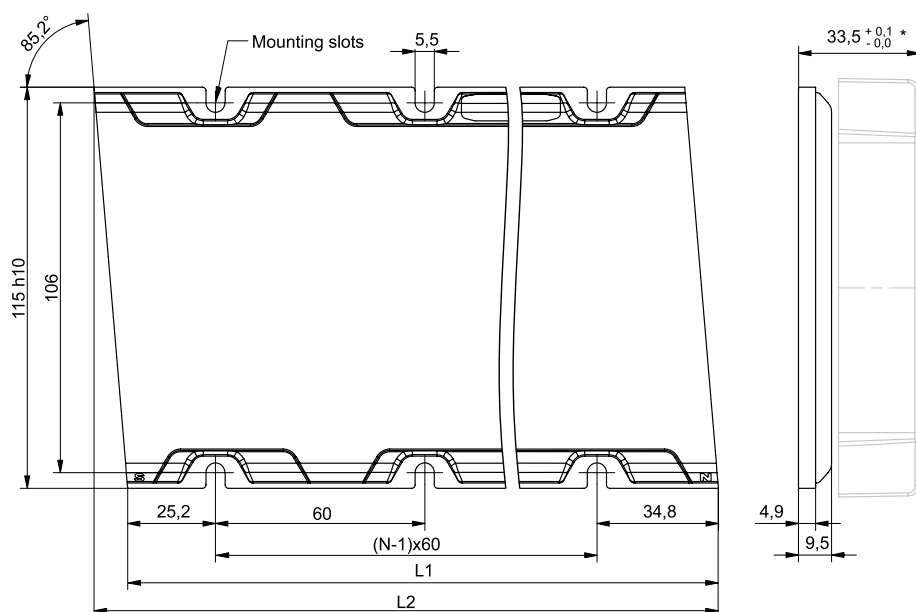
UNIMOTION

MPA 90 180 C DATASHEET

Classic magnet plate
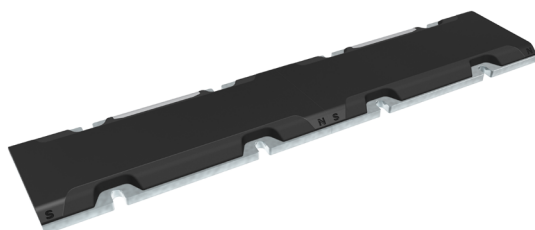
Strong rare-earth magnets

Length: 180 mm

General technical data

	PARAMETER	SYM	UNIT	VALUE
THERMAL	Max. Allowed magnet plate temperature	T_{magnet}	°C	90
MECHANICAL	Magnet plate weight	m_S	$\frac{kg}{m}$	7

Magnet plate dimensions

85,2°
Mounting slots
5,5
$33,5 \, ^{+0,1}_{-0,0}$ *
115 h10
106
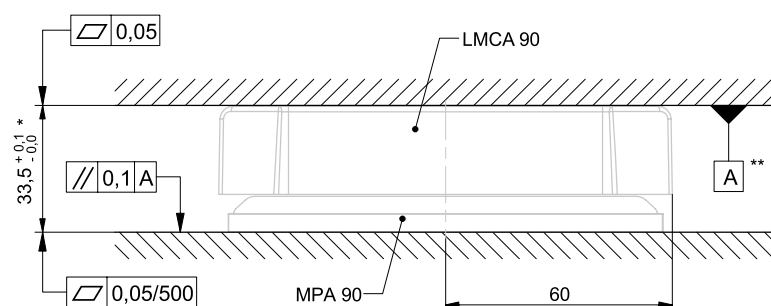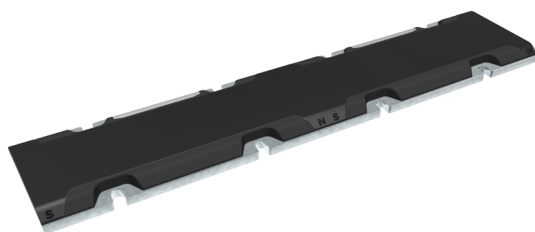25,2
60
34,8
(N-1)x60
L1
L2
4,9
9,5

* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

MPA 90	L1 [mm]	L2 [mm]	N
MPA 90 180 C	180	189,6	3

ⓘ 'N' is the number of mounting slots in the x-direction.

Mounting tolerances

0,05
LMCA 90
$33,5 \, ^{+0,1}_{-0,0}$ *
0,1 A
A **
0,05/500
MPA 90
60

* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

** We recommend using a thermally conductive paste between the forcer and heatsink to ensure a better heat transfer.
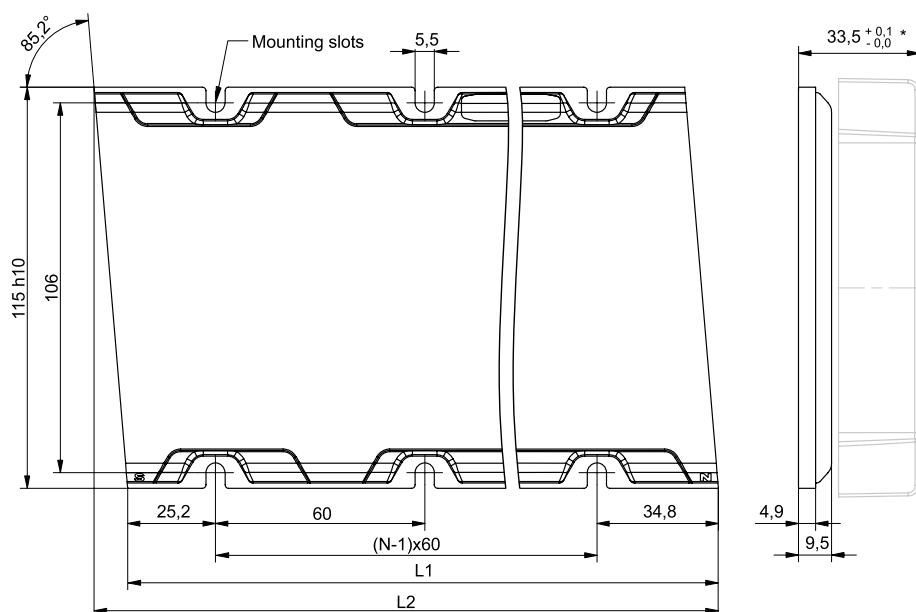

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UNIMOTION

MPA 90 300 C DATASHEET

Classic magnet plate

Strong rare-earth magnets
Length: 300 mm

General technical data

	PARAMETER	SYM	UNIT	VALUE
THERMAL	Max. Allowed magnet plate temperature	T_{magnet}	°C	90
MECHANICAL	Magnet plate weight	m_S	$\frac{kg}{m}$	7

Magnet plate dimensions

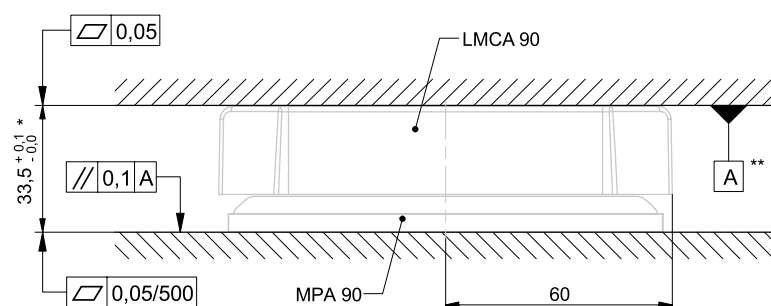
* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

MPA 90	L1 [mm]	L2 [mm]	N
MPA 90 300 C	300	309,6	5

ℹ 'N' is the number of mounting slots in the x-direction.

Mounting tolerances

* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

** We recommend using a thermally conductive paste between the forcer and heatsink to ensure a better heat transfer.