Linear Unit MRJ & MTJ

MTJ - 65 - 700 - L - 2 - 250 - 10 - R - 1

Series
MRJ
MTJ

Size
40
65
80
110

Absolute stroke (mm)
(Absolute stroke = Effective stroke + 2 x Safety stroke)

Carriage version
S: Short (only for MTJ series)
L: Long
Leave blank for MRJ 40, MTJ 40

Number of carriages
The stated number specifies the number of carriages on one Linear unit (up to 5 carriages)
Leave blank for the case of one carriage

Distance between two carriages (mm)
Leave blank for the case of one carriage

Type of drive pulley
0: Pulley with through hole
1: Pulley with journal (with keyway)
10: Pulley with journal (without keyway)
2: Pulley with journal on both sides (with keyway)
20: Pulley with journal on both sides (without keyway)
3: Without drive unit

Drive journal position
L: Journal on left side
R: Journal on right side
Leave blank for type of drive pulley 0, 2, 20 and 3

Protection cover
0: In profile groove guided Polyurethane toothed belt
1: Corrosion-resistant protection strip

Linear Unit MTV

MTV - 65 - 1610 - ISO7 - 0 - 650 - 2 - 250 - 2SA - 2LR

Series
MTV

Size
40
65
80
110

Ball screw
MTV 40: Ø12x5, Ø12x10
MTV 65: Ø16x5, Ø16x10, Ø16x16
MTV 80: Ø20x5, Ø20x10, Ø20x20, Ø20x50
MTV 110: Ø32x5, Ø32x10, Ø32x20, Ø32x32

Ball screw tolerance
ISO7 (Standard)
ISO5

Ball screw journal*
0: Without keyway
1: With keyway

Absolute stroke (mm)
(Absolute stroke = Effective stroke + 2 x Safety stroke)
2LR version: Absolute stroke of one carriage.

Number of carriages**
The stated number specifies the number of carriages on one Linear unit (up to 5 carriages)
Leave blank for the case of one carriage

Distance between two carriages (mm)
Leave blank for the case of one carriage

Number of screw supports n_{SA}
(Only even integer number - 2, 4, 6, 8, 10SA) - for MTV 65 max. 4SA is available.)
Leave blank: Without SA

2LR version***
Both right and left ball screws are used.
Leave blank: Standard version

* MTV 40 only available without keyway

** Connection between the carriages must be provided by the customer

*** Available for: MTV 65: 16x5, 16x10
MTV 80: 20x5

Linear Unit MTJ ECO

MTJ - 40 - ECO - 700 - L - 2 - 300 - 10 - R

Series
MTJ

Size
40

Type
ECO

Absolute stroke (mm)
(Absolute stroke = Effective stroke + 2 x Safety stroke)

Carriage version
S: Short
L: Long

Number of carriages
The stated number specifies the number of carriages on one Linear unit (up to 5 carriages)
Leave blank for the case of one carriage

Distance between two carriages (mm)
Leave blank for the case of one carriage

Type of drive pulley
0: Pulley with through hole
1: Pulley with journal (with keyway)
10: Pulley with journal (without keyway)
2: Pulley with journal on both sides (with keyway)
20: Pulley with journal on both sides (without keyway)
3: Without drive unit

Drive journal position
L: Journal on left side
R: Journal on right side
Leave blank for type of drive pulley 0, 2, 20 and 3

Linear Unit MTJZ

MTJZ - 65 - 700 - 10 - 0 - 2 - 350

Series
MTJZ

Size
40
65
80
110

Absolute stroke (mm)
(Absolute stroke = Effective stroke + 2 x Safety stroke)

Type of drive pulley*
0: Pulley with through hole
1: Pulley with journal (with keyway)
10: Pulley with journal (without keyway)
2: Pulley with journal on both sides (with keyway)
20: Pulley with journal on both sides (without keyway)

Clamping element**
0: Without
1: With (available only for MTJZ 110)

Number of drive blocks
The stated number specifies the number of drive blocks on one Linear unit (up to 5 drive blocks)

Distance between two drive blocks (mm)
Leave blank for the case of one drive block

* MTJZ 110 only available with drive pulley with through hole

** Only as emergency break

Linear Unit CTJ

CTJ - 145 - 1000 - L - 2 - 300 - 10 - R - 1

Series
CTJ

Size
90
110
145
200

Absolute stroke (mm)
(Absolute stroke = Effective stroke + 2 x Safety stroke)

Carriage version
S: Short
L: Long

Number of carriages
The stated number specifies the number of carriages on one Linear unit (up to 5 carriages)
Leave blank for the case of one carriage

Distance between two carriages (mm)
Leave blank for the case of one carriage

Type of drive pulley
1: Pulley with journal (with keyway)
10: Pulley with journal (without keyway)
2: Pulley with journal on both sides (with keyway)
20: Pulley with journal on both sides (without keyway)
3: Without drive unit

Drive journal position*
L: Journal on left side
R: Journal on right side
Leave blank for type of drive pulley 2, 20 and 3

Connection plate
0: Without
1: With

* By CTJ 200 with drive pulley 2 or 20, the drive journal position left - L or right - R side must also be specified - motor/gearbox attachment side.

Linear Unit CTV

CTV - 110 - 1610 - ISO7 - 0 - 700 - S - 2 - 200 - 1 - 1

Series
CTV

Size
90
110
145
200

Ball screw
CTV 90: Ø12x5, Ø12x10
CTV 110: Ø16x5, Ø16x10, Ø16x16
CTV 145: Ø20x5, Ø20x10, Ø20x20, Ø20x50
CTV 200: Ø32x5, Ø32x10, Ø32x20, Ø32x32

Ball screw tolerance
ISO7 (Standard)
ISO5

Ball screw journal*
0: Without keyway
1: With keyway

Absolute stroke (mm)
(Absolute stroke = Effective stroke + 2 x Safety stroke)

Carriage version
S: Short
L: Long

Number of carriages**
The stated number specifies the number of carriages on one Linear unit (up to 5 carriages)
Leave blank for the case of one carriage

Distance between two carriages (mm)
Leave blank for the case of one carriage

Connection plate
0: Without
1: With

Protection cover
0: Without antistatic PU Gap-type seal strip
1: With antistatic PU Gap-type seal strip (standard)
2: With corrosion-resistant protection strip

* CTV 90 only available without keyway - 0

** Connection between the carriages is not rigid

Motor Side Drive - MSD

MSD - CTV 110 - T2 - 1,5 - MSM040B

Motor side drive

Lineae unit series
MTV / CTV

Type

Gear ratio

Motor type
According to customer´s drawing

Motor adapter

VK - CTV 110 - SMB60 - GESM14

Motor adapter

Linear unit series

Motor type
According to customer´s specification

Coupling type
According to customer´s specification

Coupling

COUPLING - GESM14 - F8C - F14C

Coupling

Coupling type/size
7, 9, 14, 19/24, 24/28, 28/38, 38/45

Hole diameter

Option
C: with keyway
Leave blank without keyway

Synchronisation Shaft

OSR - 19 - MTJ65 - LM - 890 - F16C - F16C

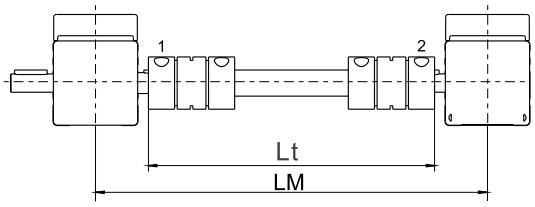
Type
OSL
OSR

Size
OSL: 14, 19/24, 24/28, 28/38, 38/45
OSR: 19, 24, 28, 38

Linear unit series
MTJ/MRJ/MTJ ECO: 40, 65, 80, 110
CTJ:90, 110, 145, 200
If not for linear unit, leave blank

Length type
LM (Middle distance of the linear units)
Lt (Production length of the sync. shaft)

Length (mm)

Hole diameter
One side end hub1
One side end hub2

Option
C: with keyway
Leave blank without keyway