

Motors / Couplings

Stepper Motors			Closed-Loop Stepper Motors	
P.493	20~86 Series P.494~P.500	Stepper Motors 57 Series With Gearbox P.502	P.503	Closed-Loop Stepper Motors P.504~P.506
Couplings				
P.507	Single Disc Couplings Clamping Type P.509	Double Disc Couplings Clamping Type P.510	Single Disc Couplings Set Screw Type P.511	Double Disc Couplings Set Screw Type P.512
	Oldham Couplings, Clamping Type P.513	Oldham Couplings, Set Screw Type P.514	Jaw Couplings, Clamping Type P.515~P.516	Jaw Couplings, Set Screw Type P.517~P.518
	Slit Couplings, Long, Clamping Type P.519	Slit Couplings, Long, Set Screw Type P.520		
Keyless Bushings				
P.521	Keyless Bushings (Mechanical Lock), Straight P.521	Keyless Bushings (Mechanical Lock), High Torque Straight P.521		
	Centering New Products			
	Keyless Bushings (Mechanical Lock), Straight With Centering Function P.522	Keyless Bushings (Mechanical Lock), Simplified Type P.523	Keyless Bushings (Mechanical Lock), Thin Type P.524	

Motor-Driven Ball Screw Linear Drive Mechanism

Application Industries:

Automotive part Packaging Medical

This figure is a case of a linear drive mechanism driven by a stepper motor, which is widely used in industrial automation production fields such as automotive parts manufacturing, packaging, and medical care.



Reference price

01 Motor ×1

P.497



Type Motor + Driver 42 Series
Body Length 31mm
Number of Leads 4
Holding Torque 0.22N·m
C-42STM01+DR42A

1,751
THB/set

Quantity	Unit price	Total price
1	1,751	1,751
4	1,489	5,956

02 Rolled Ball Screw ×1

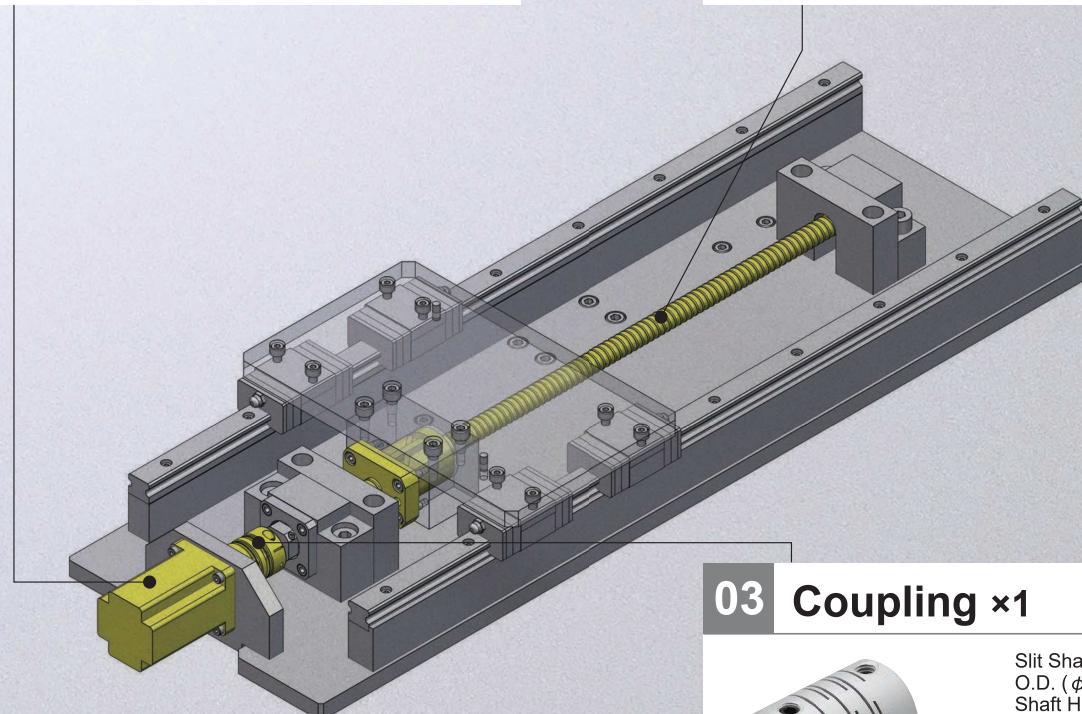
P.47



Shaft Dia. 10
Lead 4mm
Threaded Shaft 450mm
C-TBSE1004-450

3,913
THB/pcs

Quantity	Unit price	Total price
1	3,913	3,913
4	3,130	12,520



03 Coupling ×1

P.520



Slit Shaped
O.D. (φ) 20mm
Shaft Hole Dia. 1 (φ) 6mm
Shaft Hole Dia. 2 (φ) 8mm
E-LMPL20-6-8

219
THB/pcs

Quantity	Unit price	Total price
1	219	219
4	176	704

Economy series Stepper Motors

Pulse signal voltage range: DC5~24V

Driver power input is AC / DC universal, allowing for connection with straight or reversed polarity.



Product Features

4

Motors / Couplings

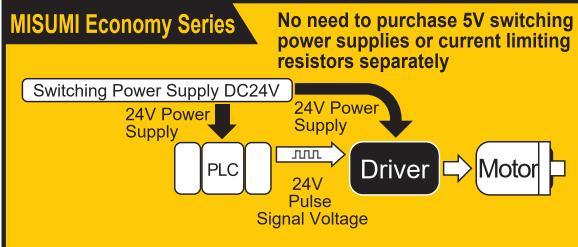
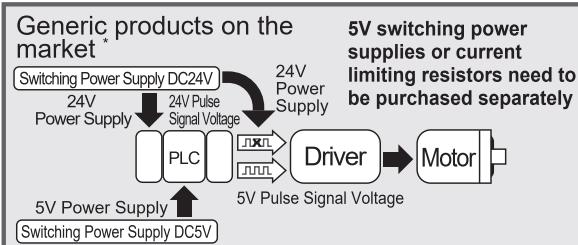
P.493

Couplings

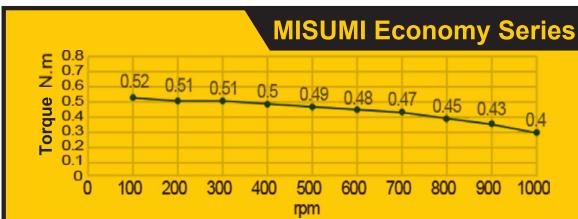
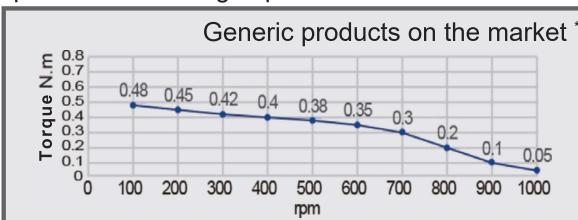
P.507

Keyless Bushings

P.521

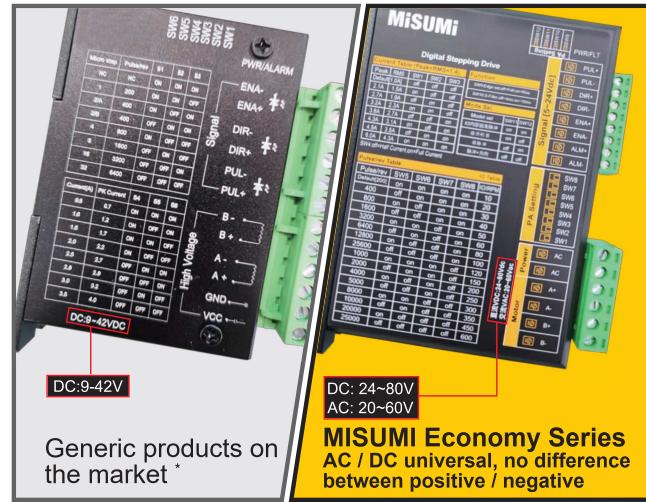


- High torque at low speed and excellent torque performance at high speed



*Generic products on the market are similar products randomly purchased by our company from online or offline markets.

- AC / DC universal, allowing for connection with straight or reversed polarity



*Only 57 and 86 series drivers can be connected with straight polarity and reversed polarity; 20, 28, 35 and 42 series drivers cannot be connected with reversed polarity

- Stable temperature rise during 2 hours of operation



* The test data are obtained through testing by our company, which are for reference only.



Stepper Motors 20 Series

Representative model: C-20STM01+DR42A



2,086

THB

Volume Discount



Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

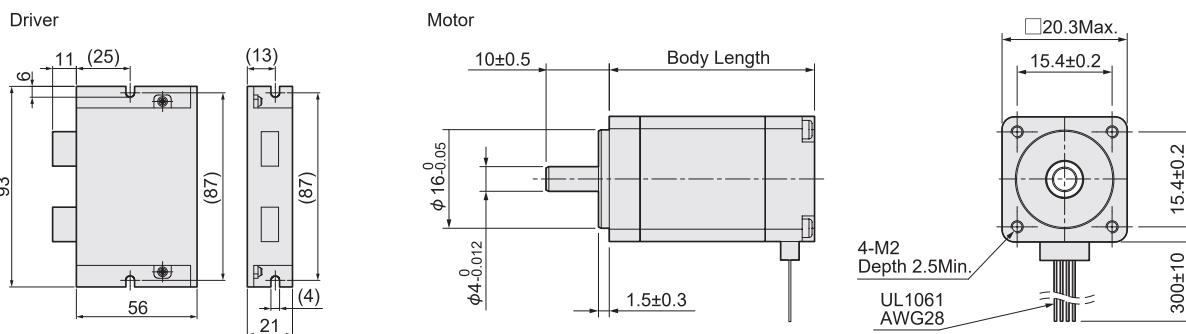


Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

■ Individual Model

Part Number	Motor	Driver
C-20STM01	C-20STM02	C-20STM03



■ Package

Part Number ① Type	② Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (mN·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
C-20STM01	DR42A (Optional)	1.8	33	4	0.6	18	2.9	0.1~2.2	DC: 15~32	200~20000
C-20STM02			38			40	3.3			
C-20STM03			45			44	3.8			

① Motor Driver can be ordered separately with Part No. "C-DR42A"

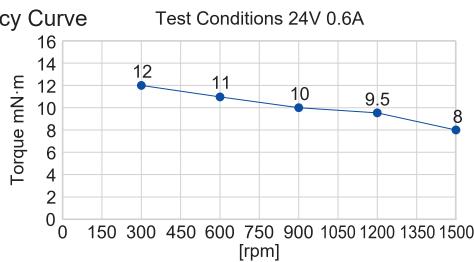


Motor and Driver can be ordered together according to the selection steps ① to ②.

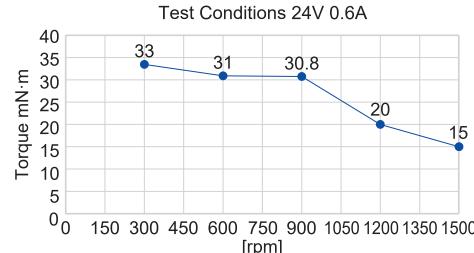
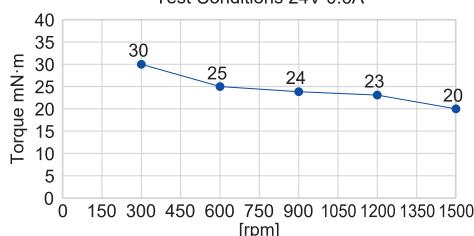
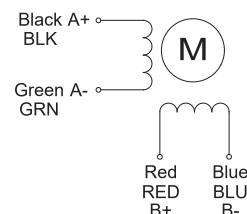
Part Number (① Type) + ② Motor Driver

C-20STM01 + DR42A

Torque-Frequency Curve



Wiring Diagram



*Test data is for reference only

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Motors / Couplings
Stepper Motors

Couplings

P.507

Keyless Bushings

P.521

How to search on website



By Type

Search on MISUMI official website
C-20STM01

By Keyword

Search on MISUMI official website
stepper motor

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand



494

Representative model: C-28STM01+DR42A



2,235 THB

Volume Discount



Quantity

1~3

4~5

6~

Discount

Unit Price

15%

30%

CAD **2D**
3D

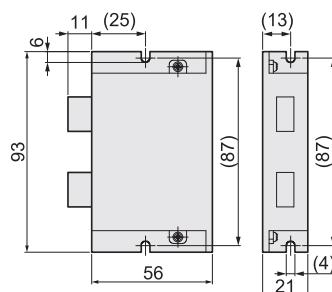
① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

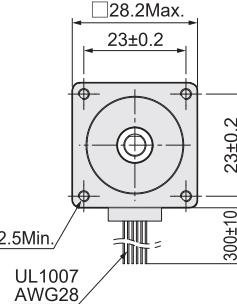
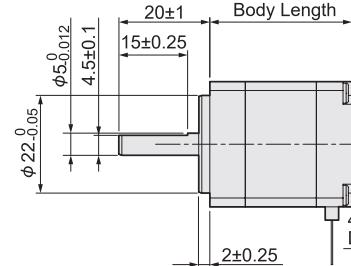
■ Individual Model

	Motor			Driver
Part Number	C-28STM01	C-28STM02	C-28STM03	C-DR42A

Driver



Motor



■ Package

Part Number	② Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (mN·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
① Type	② Motor Driver DR42A (Optional)	1.8	32	4	0.67	63	9	0.1~2.2	DC: 15~32	200~20000
C-28STM01						95	12			
C-28STM02						120	18			
C-28STM03										

① Motor Driver can be ordered separately with Part No. "C-DR42A"

Ordering Example

Motor and Driver can be ordered together according to the selection steps ① to ②.

Part Number (①Type) + ②Motor Driver
C-28STM01 + DR42A

4

Motors / Couplings

P.493

Couplings

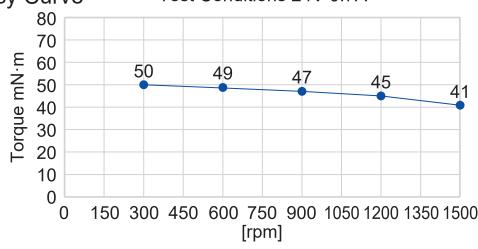
P.507

Keyless Bushings

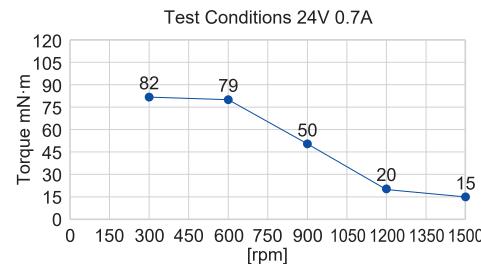
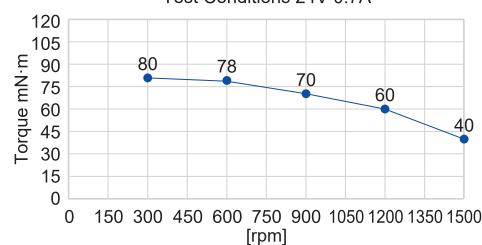
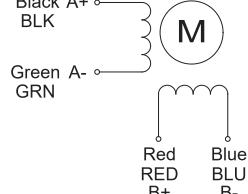
P.521

Torque-Frequency Curve

Test Conditions 24V 0.7A



Wiring Diagram



*Test data is for reference only

How to search on website

By Type

Search on MISUMI official website
C-28STM01

By Keyword

Step 1 Search on MISUMI official website
stepper motor

Step 2 Select MISUMI economy series brand
 MISUMI MISUMI economy

Representative model: C-35STM01+DR42A



2,088 THB

Volume Discount



[Download CAD 3D](#)

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

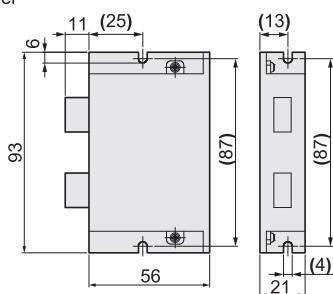
① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

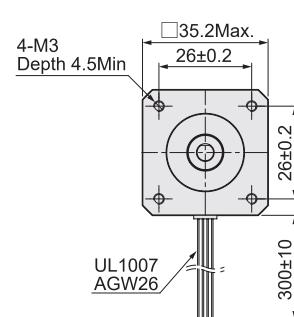
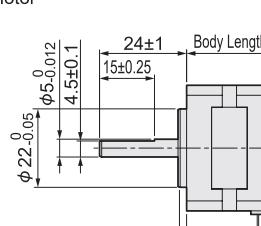
■ Individual Model

Part Number	Motor	Driver
C-35STM01	C-35STM02	C-35STM03

Driver



Motor



■ Package

Part Number	① Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (N·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
C-35STM01	DR42A (Optional)	1.8	25	4	0.5	0.13	10	0.1~2.2	DC; 15~32	200~20000
C-35STM02			31		0.7	0.18	14			
C-35STM03			45		1	0.37	22			

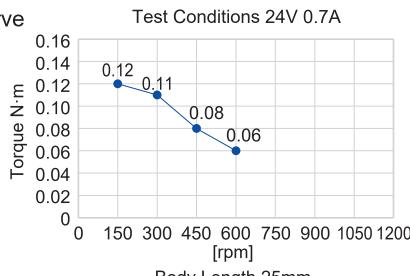
① Motor Driver can be ordered separately with Part No. "C-DR42A".

Ordering Example

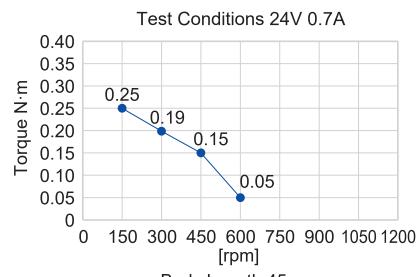
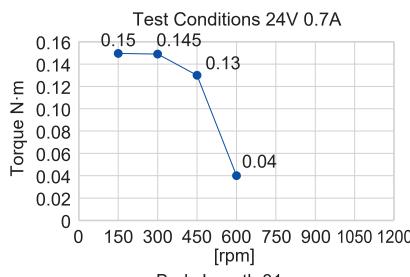
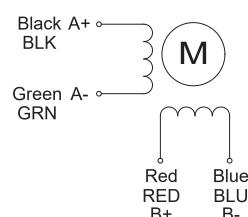
Motor and Driver can be ordered together according to the selection steps ① to ②.

Part Number (① Type) + ② Motor Driver
C-35STM01 + DR42A

Torque-Frequency Curve



Wiring Diagram



*Test data is for reference only

How to search on website

By Type

Search on MISUMI official website

By Keyword

Step 1 Search on MISUMI official website
Step 2 Select MISUMI economy series brand
 Misumi

Misumi Misumi economy

Representative model: C-42STM01+DR42A



1,751

THB



Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%



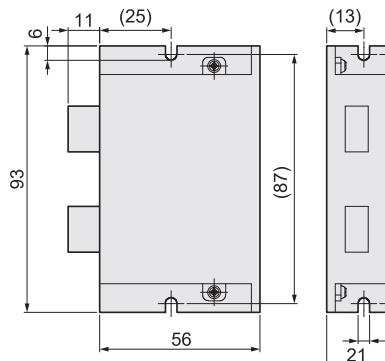
① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

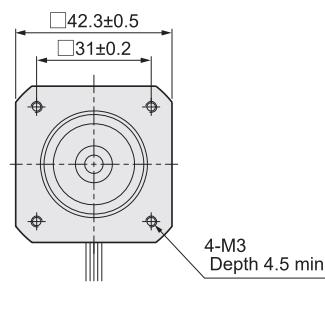
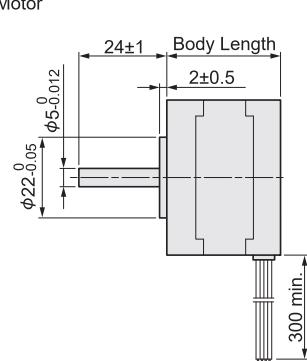
■ Individual Model

Part Number	Motor	Driver
C-42STM01	C-42STM02	C-42STM03

Driver



Motor



■ Package

Part Number	② Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (N·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
① Type	② Motor Driver									
C-42STM01	DR42A (Optional)	1.8	31	4	1.4	0.22	30	0.1~2.2	DC: 15~32	200~20000
C-42STM02			39		1.8	0.4	54			
C-42STM03			49		0.55	0.55	68			

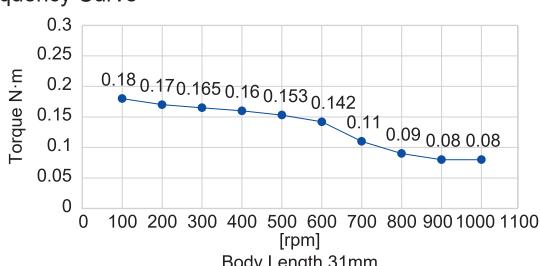
① Motor Driver can be ordered separately with Part No. "C-DR42A".

Ordering Example

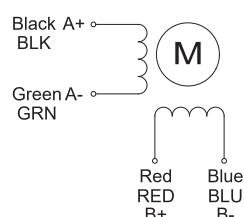
Motor and Driver can be ordered together according to the selection steps ① to ②.

Part Number (① Type) + ② Motor Driver
C-42STM01 + DR42A

Torque-Frequency Curve



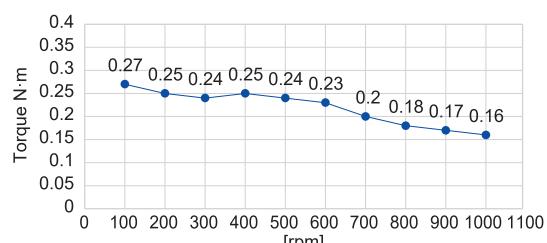
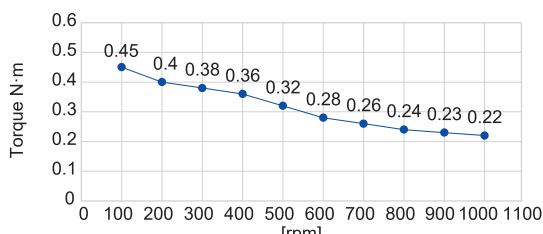
Wiring Diagram



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Keyless Bushings

P.521



*Test data is for reference only

Body Length 49mm

Body Length 39mm

How to search on website



By Type

Search on MISUMI official website
C-42STM01

By Keyword

Search on MISUMI official website
stepper motor

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand

MISUMI

MISUMI economy



Stepper Motors 57 Series

Representative model: C-57STM01+DR57A



2,476

THB



Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

① Shipping days may differ by Quantity.

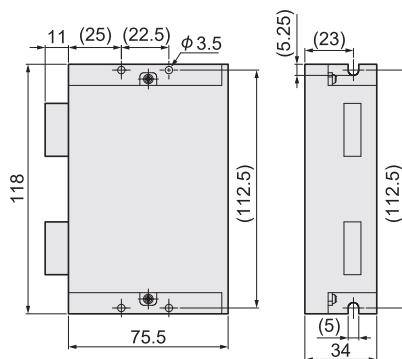
② Quantity of volume discount above is for representative Part No. It may differ by the Part.



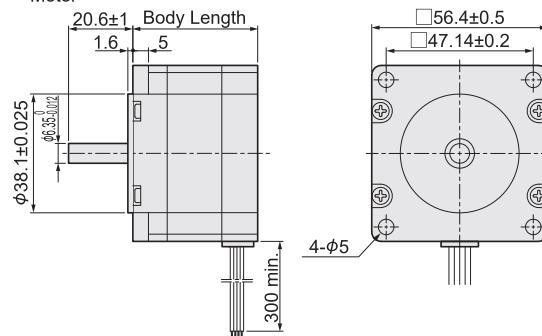
■ Individual Model

Part Number	Motor				Driver
	C-57STM01	C-57STM02	C-57STM03	C-57STM04	

Driver



Motor



■ Package

Part Number	② Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (N·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
① Type	② Motor Driver									
C-57STM01	DR57A (Optional)	1.8	40	4	2.8	0.55	120	1.0~4.3	VDC: 24~80 VAC: 20~60	200~25600
C-57STM02			50			1.0	275			
C-57STM03			54			1.26	300			
C-57STM04			75			1.89	480			

① Motor Driver can be ordered separately with Part No. "C-DR42A"

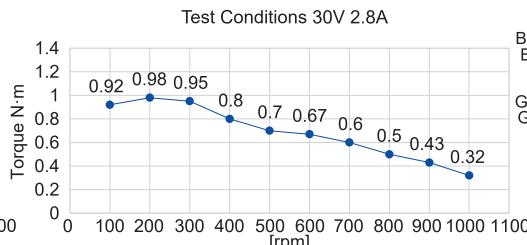
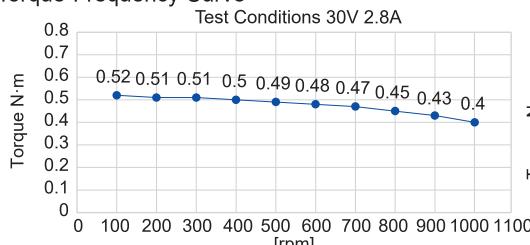


Motor and Driver can be ordered together according to the selection steps ① to ②.

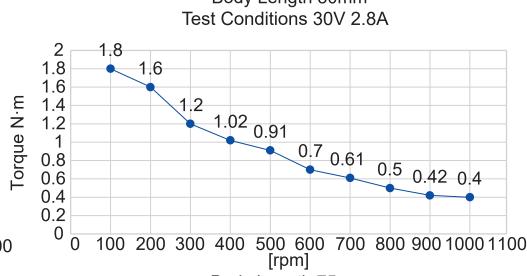
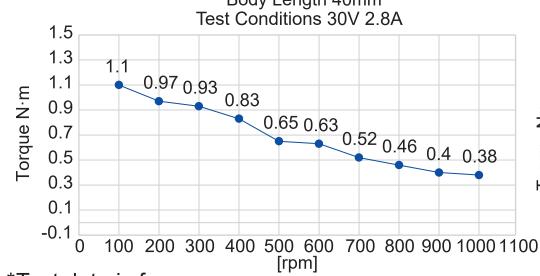
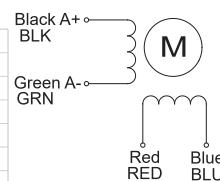
Part Number (① Type) + ② Motor Driver

C-57STM01 + DR57A

Torque-Frequency Curve



Wiring Diagram



*Test data is for reference only

Step 1 Search on MISUMI official website Step 2 Select MISUMI economy series brand

How to search on website



By Type

Search on MISUMI official website

C-57STM01

By Keyword

stepper motor



MISUMI



MISUMI economy

4

Motors / Couplings
Stepper Motors

Couplings
Keyless Bushings

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Representative model: C-60STM01+DR57A



3,143 THB

Volume Discount



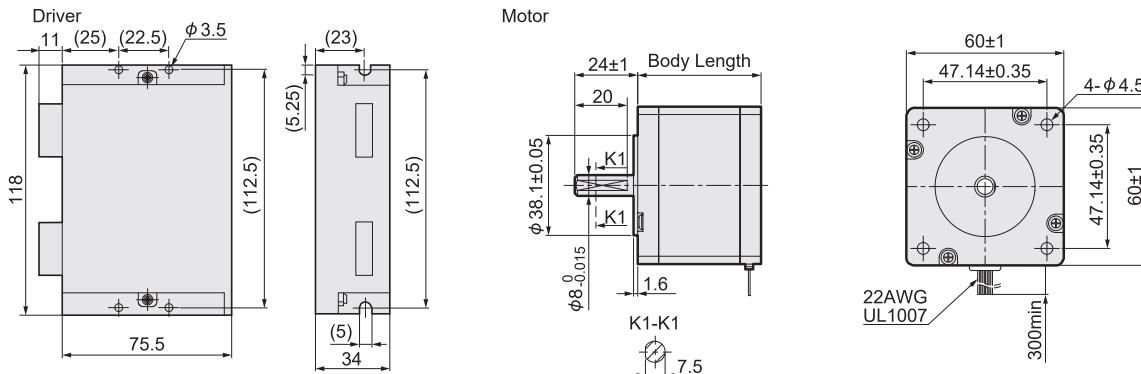
CAD 3D

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

■ Individual Model

Part Number	Motor				Driver
	C-60STM01	C-60STM02	C-60STM03	C-60STM04	



■ Package

Part Number	② Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (N·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
① Type	② Motor Driver									
C-60STM01	DR57A (Optional)	1.8	47	4	2.8	1.1	275	1.0~4.3	VDC:24~80 VAC:20~60	200~25600
C-60STM02			56			1.65	300			
C-60STM03			67			2.1	570			
C-60STM04			88			3.1	840			

① Motor Driver can be ordered separately with Part No. "C-DR42A"

Ordering Example

Motor and Driver can be ordered together according to the selection steps ① to ②.

Part Number (①Type) + ②Motor Driver
C-60STM01 + DR57A

4

Motors / Couplings

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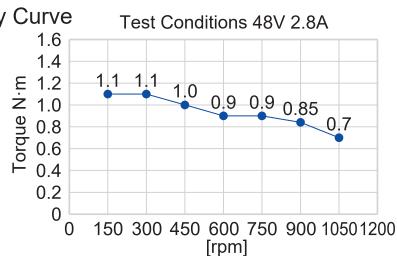
Couplings

P.507

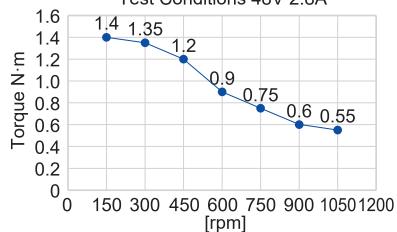
Keyless Bushings

P.521

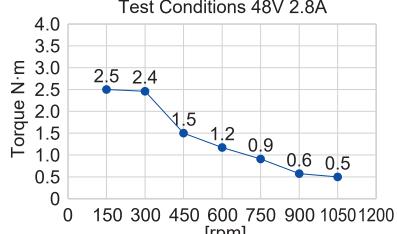
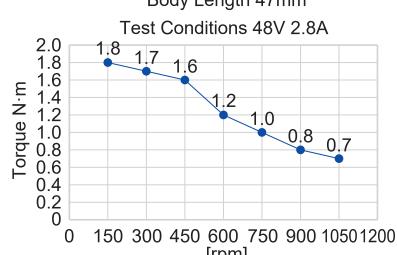
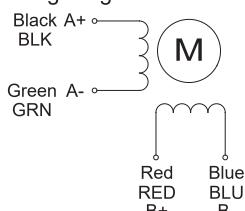
Torque-Frequency Curve



Torque N·m



Wiring Diagram



*Test data is for reference only Body Length 67mm

How to search on website



By Type

Search on MISUMI official website
C-60STM01

By Keyword

Search on MISUMI official website
stepper motor

Step 1 Search on MISUMI official website Step 2 Select MISUMI economy series brand

MISUMI



MISUMI economy

Representative model: C-86STM01+DR86A



4,973

THB



Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

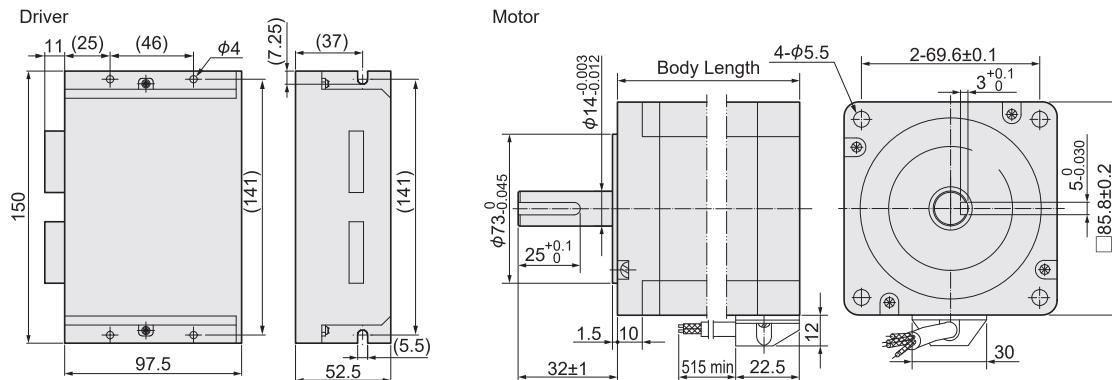


Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

■ Individual Model

Part Number	Motor				Driver
	C-86STM01	C-86STM02	C-86STM03	C-86STM04	C-DR86A



■ Package

Part Number	② Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current / Phase (A)	Holding Torque (N·m)	Moment of Inertia (g·cm²)	Driver Output Current (A)	Driver Power Voltage (V)	Subdivision
C-86STM01	DR86A (Optional)	1.8	66	4	4	3.5	1000	2.0~6	VDC: 24~110 VAC: 20~80	400~51200
C-86STM02	DR86A (Optional)	76	76		6	4.5	1950			
C-86STM03	DR86A (Optional)	114	114		8.5	2800	4000			
C-86STM04	DR86A (Optional)	150	150		12	4000	4000			

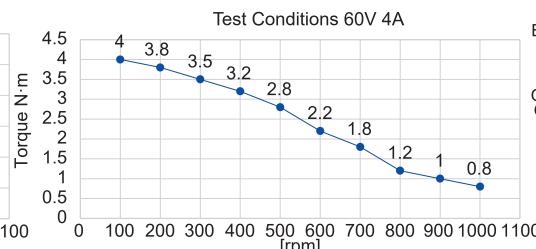
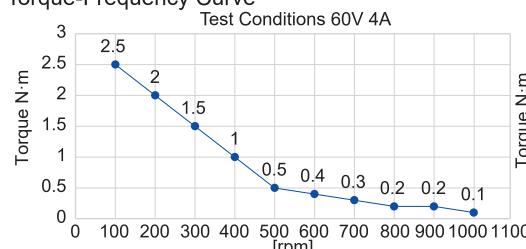
① Motor Driver can be ordered separately with Part No. "C-DR42A"

Ordering Example

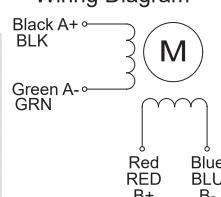
Motor and Driver can be ordered together according to the selection steps ① to ②.

Part Number (①Type) + ②Motor Driver
C-86STM01 + DR86A

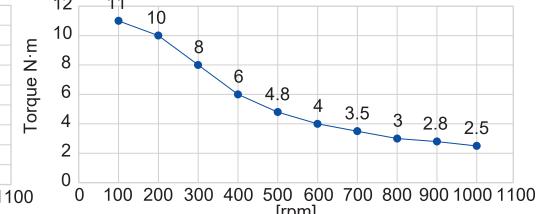
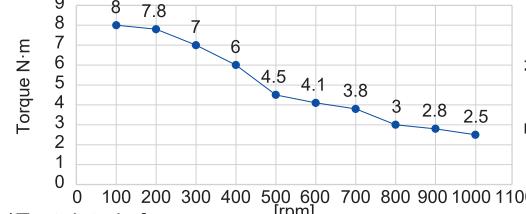
Torque-Frequency Curve



Wiring Diagram



Test Conditions 60V 6A



*Test data is for reference only

4

Motors / Couplings
Stepper Motors
P.493

Couplings
Keyless Bushings
P.507

Keyless Bushings
P.521

How to search on website



By Type

Search on MISUMI official website
C-86STM01

By Keyword

Search on MISUMI official website
stepper motor

Step 1 Search on MISUMI official website

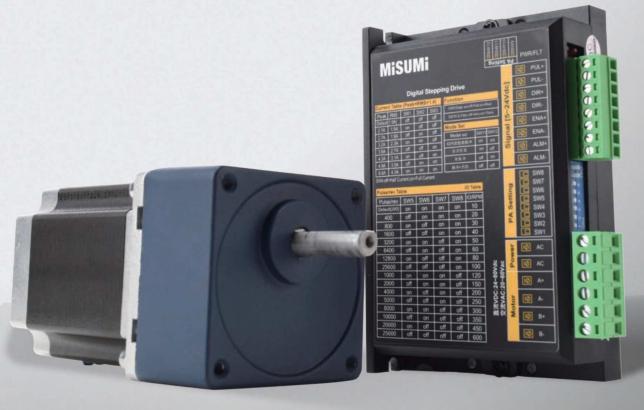
Step 2 Select MISUMI economy series brand



Economy series Stepper Motors With Gearbox

The whole series adopts helical gears

to increase the service life and reduce
the impact and noise



Product Features

4

Motors / Couplings

Stepper
Motors

P.493

Couplings

P.507

Keyless
Bushings

P.521

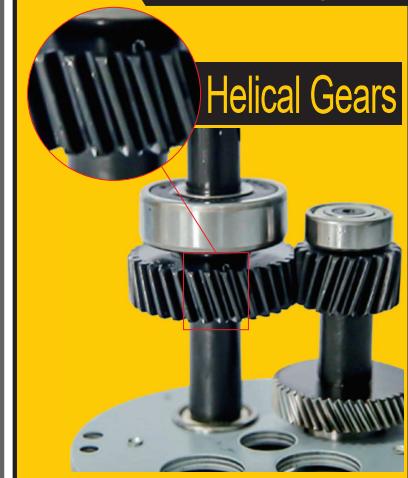
- Most of the generic products on the market use spur gears as reduction head, which have such advantages as being easy to manufacture and ensure accuracy. However, spur gears have larger impact, which are prone to wear and affect their service life. The problem of larger impact can also affect the noise.

- MISUMI Economy series stepper motor with gearbox adopts helical gears and has additional nitriding heat treatment. With increased intensity of surface pressure, helical gears last about twice as long as spur gears. While ensuring longevity, wear is reduced, resulting in stable transmission and less noise.

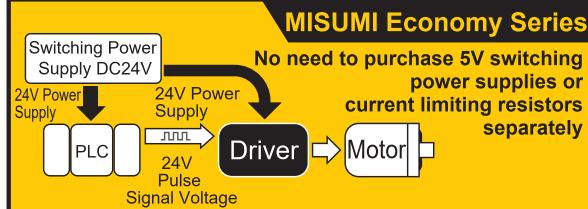
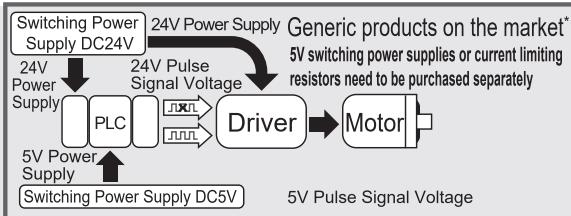
Generic products on the market *



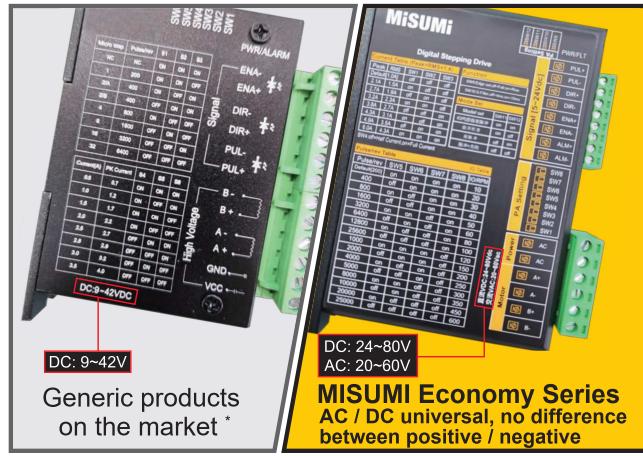
MISUMI Economy Series



- Pulse signal voltage range: **DC5~24V**, eliminating the need to prepare DC5V switching power supplies or connect current limiting resistors in series



- AC / DC universal, allowing for connection with straight or reversed polarity



*Generic products on the market are similar products randomly purchased by our company from online or offline markets.

*Only 57 and 86 series drivers can be connected with straight polarity and reversed polarity; 20, 28, 35 and 42 series drivers cannot be connected with reversed polarity.

Representative model: C-57GSTM02-3+DR57A



4,169

THB

Volume Discount



Quantity

1~3

4~5

6~

Discount

Unit Price

15%

30%



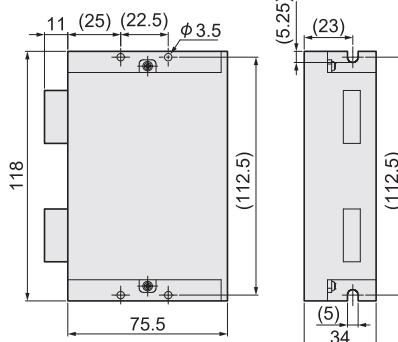
Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

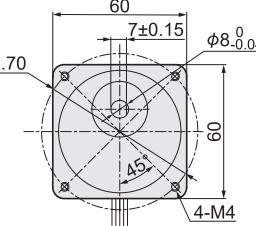
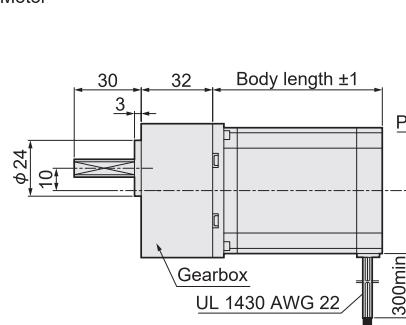
■ Individual Model

	Motor	Driver
Part Number	C-57GSTM02	C-57GSTM04
	C-DR57A	

Driver



Motor



Part Number	② Deceleration Ratio	③ Motor Driver	Step Angle (°)	Body Length (mm)	Number of Leads (pcs)	Current (A)	Holding Torque (N·m)	Motor Moment of Inertia (g·cm²)	Voltage 36V and current 2.8A at input speed of 600rpm				
									Output Torque (N·m)	Reducer Efficiency	Torque After Deceleration (N·m)		
C-57GSTM02	3	DR57A (Optional)	1.8	51	4	2.8	1	275	0.65	70%	1.4		
	7.5										3.4		
	10										4.6		
	15										6.8		
	3										1.5		
	7.5										3.7		
C-57GSTM04	10			76					0.7		4.9		
	15										7.4		

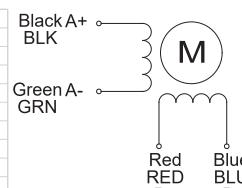
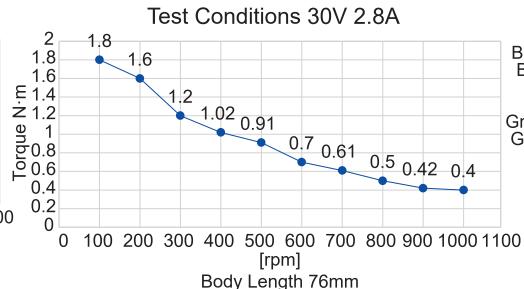
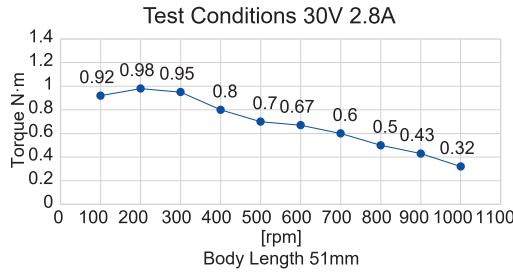
① Motor Driver can be ordered separately with Part No. "C-DR42A"



Motor and Driver can be ordered together according to the selection steps ① to ③.

Part Number (① Type) - ② Deceleration Ratio + ③ Motor Driver
C-57GSTM02 - 3 + DR57A

■ Torque-Frequency Curve (Stepper Motor Only, Regardless of Gearbox)



4

Motors / Couplings
Stepper Motors
P.493

Couplings
Keyless Bushings
P.507

Keyless Bushings
P.521

How to search on website



By Type

Search on MISUMI official website

C-57GSTM02

By Keyword

Step 1 Search on MISUMI official website

stepper motor

Step 2 Select MISUMI economy series brand

MISUMI



MISUMI economy

MISUMI contact

Tel: 038-959200 or 1382
Email: cs@misumi.co.th

MISUMI WEB "Chat"



Install MISUMI APP



Economy series Closed-Loop Stepper Motors

New
Products

Pulse signal voltage range: DC5~24V



4

Motors / Couplings

Stepper
Motors
P.493

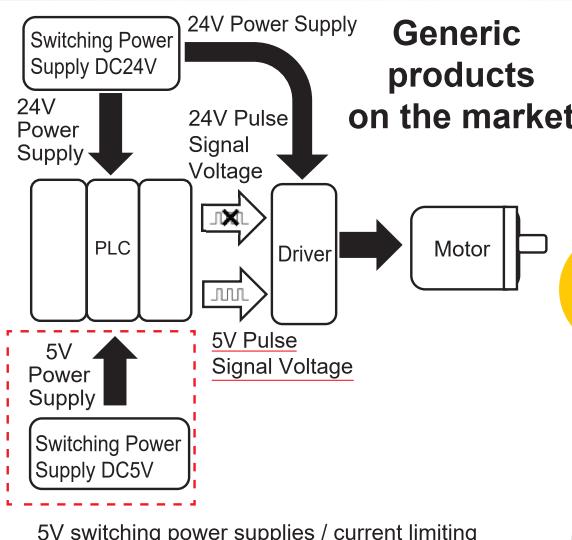
Couplings

P.507

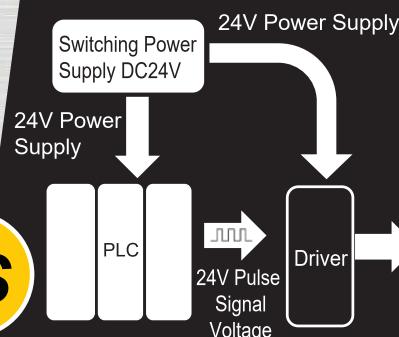
Keyless
Bushings

P.521

Advantage 1 Pulse signal voltage range: 5~24V, eliminating the need to prepare 5V switching power supplies or connect current limiting resistors in series



MISUMI Economy Series



No need to purchase 5V switching power supplies and current limiting resistors separately

Advantage 2 Pulse mode support: pulse + direction / double pulse
Output form support: NPN / PNP

SW5:Motor Dir, OFF=ccw, ON=cw
SW6:Motor Rigid, OFF=high, ON=low
Motor sel
Motor 42 57 60 86
SW7 ON OFF ON OFF
SW8 ON ON OFF OFF

Generic products on the market

VS

MISUMI Economy Series

Mode Sel

Mode Sel	SW7	SW8
IO internal spontaneous pulse	on	on
Self-test check	on	off
Double pulse	off	on
Pulse + direction	off	off



Closed-Loop Stepper Motors 42 Series

New
Products

Representative model: E-42ESTM01+EDR42A+3



3,780

THB

Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

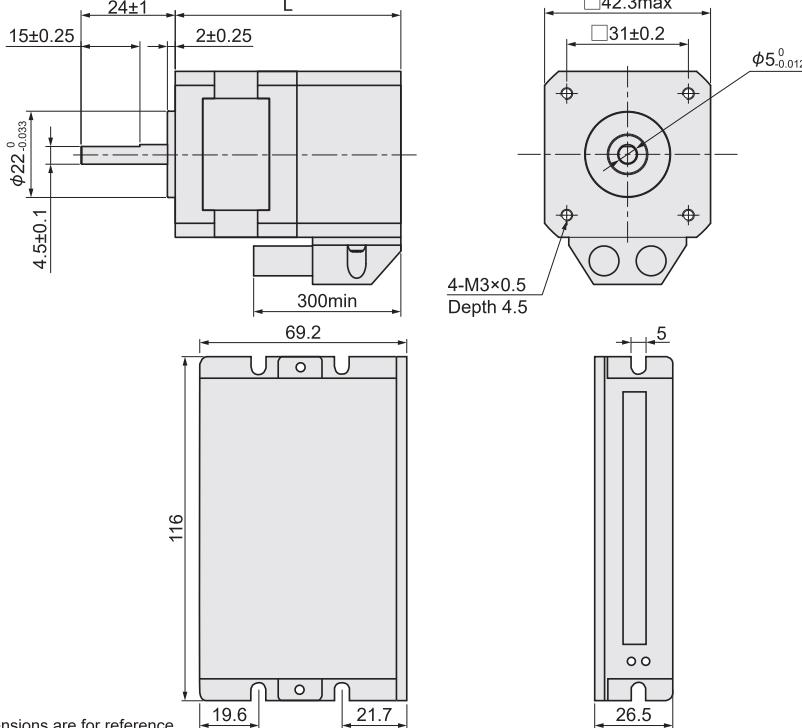
CAD **2D**
3D

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

■ Individual Model

Motor	E-42ESTM01
	E-42ESTM02
Driver	E-EDR42A
Encoder Cable 3m	E-ECABLE3M
Encoder Cable 5m	E-ECABLE5M



* Driver dimensions are for reference

Package Model	Series	Holding Torque (N·M)	Body Length L (mm)	Rated Current (A)	Resistance / Phase (Ω)	Inductance / Phase (mH)	Rotor Moment of Inertia (g.cm²)	Power Voltage (V)	Subdivision	Encoder Cable	
E-42ESTM01+EDR42A+3	42	0.36	57.5±2	2.2	0.75	1.3	55	VDC: 24-80	800- 51200	E-ECABLE3M (3m)	
E-42ESTM01+EDR42A+5					1	1.8	70			E-ECABLE5M (5m)	
E-42ESTM02+EDR42A+3		0.5	66±2							E-ECABLE3M (3m)	
E-42ESTM02+EDR42A+5										E-ECABLE5M (5m)	

The Package contains "Motor, Driver, Cable". Single Item can be ordered by each individual Part No.

Ordering Example

Package Model

E-42ESTM01+EDR42A+3

■ Product Features

- Operating voltage: DC input voltage 24VDC~80VDC, recommended operating voltage 24V / 36V
- Advanced variable current technology and frequency conversion technology are adopted to effectively reduce the heat of the motor and driver
- The number of pulses per revolution can be set by subdividing dip switch
- Available with over-voltage, under-voltage, over-current and over-differential protection functions
- Maximum pulse frequency of 500kHz for control commands (factory default is 200kHz)
- Pulse, direction and enable signal input interface levels are 4.5 to 28V compatible
- Performance: smooth speed, low overshoot, less tracking error, low heat of motor and driver

■ Wiring Diagram



EA+	BLACK
EA-	BLUE
EB+	YELLOW
EB-	GREEN
Vcc	RED
EGND	WHITE



By Type

Search on MISUMI official website
E-42ESTM01

By Keyword

Step 1 ▶ Search on MISUMI official website
stepper motor

Step 2 ▶ Select MISUMI economy series brand
 MISUMI MISUMI economy

4

Motors / Couplings
Stepper Motors

P.493

Couplings
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Keyless Bushings

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Closed-Loop Stepper Motors 57 Series

New
Products

Representative model: E-57ESTM01+EDR57A+3



4,058

THB

Volume Discount



CAD **2D**
 3D

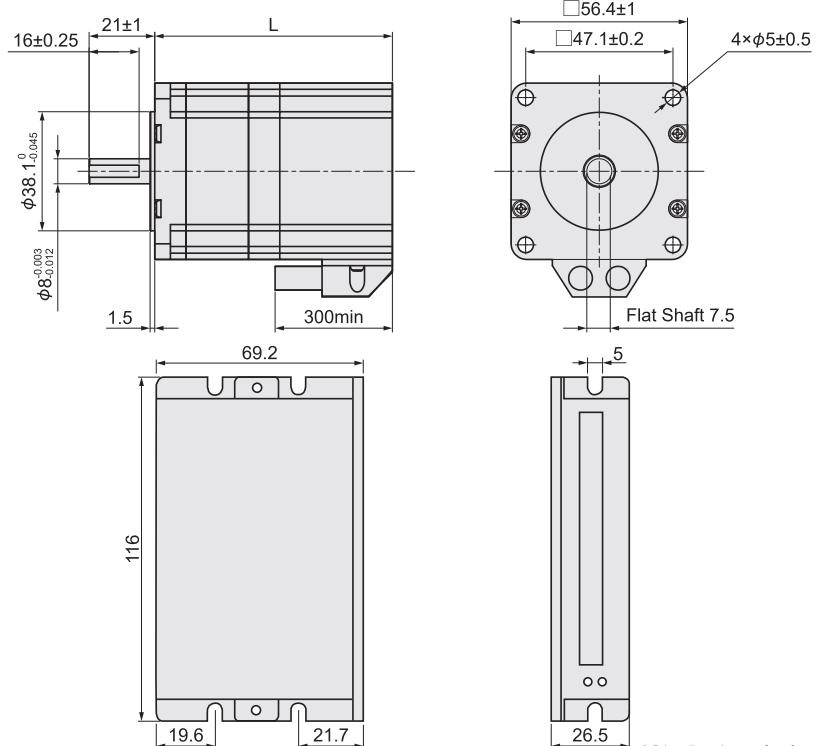
Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

■ Individual Model

Motor	E-57ESTM01
	E-57ESTM02
Driver	E-EDR57A
Encoder Cable 3m	E-ECABLE3M
Encoder Cable 5m	E-ECABLE5M



* Driver dimensions are for reference

Package Model	Series	Holding Torque (N·M)	Body Length L (mm)	Rated Current (A)	Resistance / Phase (Ω)	Inductance / Phase (mH)	Rotor Moment of Inertia (g·cm²)	Power Voltage (V)	Subdivision	Encoder Cable	
E-57ESTM01+EDR57A+3	57	1.2	76±2	5	0.3	0.95	310	VDC: 24-80	800-51200	E-ECABLE3M (3m)	
E-57ESTM01+EDR57A+5					0.43	1.45	500			E-ECABLE5M (5m)	
E-57ESTM02+EDR57A+3		2	96±2							E-ECABLE3M (3m)	
E-57ESTM02+EDR57A+5										E-ECABLE5M (5m)	

The Package contains "Motor, Driver, Cable". Single Item can be ordered by each individual Part No.

Ordering Example

Package Model
E-57ESTM01+EDR57A+3

■ Product Features

- Operating voltage: DC input voltage 24VDC~80VDC, recommended operating voltage 36V / 48V
- Advanced variable current technology and frequency conversion technology are adopted to effectively reduce the heat of the motor and driver
- The number of pulses per revolution can be set by subdividing dip switch
- Available with over-voltage, under-voltage, over-current and over-differential protection functions
- Maximum pulse frequency of 500kHz for control commands (factory default is 200kHz)
- Pulse, direction and enable signal input interface levels are 4.5 to 28V compatible
- Performance: smooth speed, low overshoot, less tracking error, low heat of motor and driver

■ Wiring Diagram

A+BLK	M	EA+	BLACK
A-GRN	M	EA-	BLUE
B+RED	M	EB+	YELLOW
B-BLU	M	EB-	GREEN
		Vcc	RED
		EGND	WHITE

How to search on website

By Type

Search on MISUMI official website
E-57ESTM01

By Keyword

Step 1 Search on MISUMI official website
stepper motor

Step 2 Select MISUMI economy series brand
 Misumi



Closed-Loop Stepper Motors 86 Series

New
Products

Representative model: E-86ESTM01+EDR86A+3



6,386

Volume Discount

THB



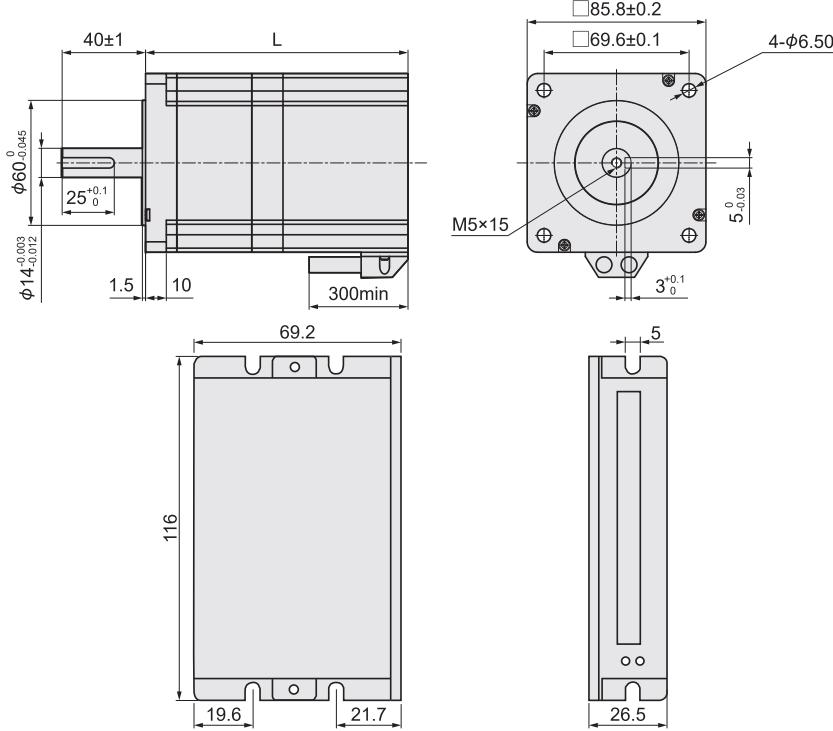
CAD **2D**
3D

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

■ Individual Model

Motor	E-86ESTM01
	E-86ESTM02
Driver	E-EDR86A
Encoder Cable 3m	E-ECABLE3M
Encoder Cable 5m	E-ECABLE5M



* Driver dimensions are for reference

Package Model	Series	Holding Torque (N·M)	Body Length L (mm)	Rated Current (A)	Resistance / Phase (Ω)	Inductance / Phase (mH)	Rotor Moment of Inertia (g.cm²)	Power Voltage (V)	Subdivision	Encoder Cable
E-86ESTM01+EDR86A+3	86	8	126±2	6	0.61	3.6	2800	VDC: 24-80	800-51200	E-ECABLE3M (3m)
E-86ESTM01+EDR86A+5		12	157±2		0.75	5.2	4300			E-ECABLE5M (5m)
E-86ESTM02+EDR86A+3										E-ECABLE3M (3m)
E-86ESTM02+EDR86A+5										E-ECABLE5M (5m)

● The Package contains "Motor, Driver, Cable". Single Item can be ordered by each individual Part No.

Ordering Example

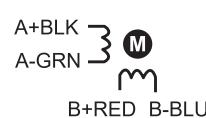
Package Model

[E-86ESTM01+EDR86A+3](#)

■ Product Features

- Operating voltage: DC input voltage 24VDC~80VDC, recommended operating voltage 48V / 60V
- Advanced variable current technology and frequency conversion technology are adopted to effectively reduce the heat of the motor and driver
- The number of pulses per revolution can be set by subdividing dip switch
- Available with over-voltage, under-voltage, over-current and over-differential protection functions
- Maximum pulse frequency of 500kHz for control commands (factory default is 200kHz)
- Pulse, direction and enable signal input interface levels are 4.5 to 28V compatible
- Performance: smooth speed, low overshoot, less tracking error, low heat of motor and driver

■ Wiring Diagram



EA+	BLACK
EA-	BLUE
EB+	YELLOW
EB-	GREEN
Vcc	RED
EGND	WHITE



By Type

Search on MISUMI official website
[E-86ESTM01](#)

By Keyword

Step 1 ▶ Search on MISUMI official website
[stepper motor](#)

Step 2 ▶ Select MISUMI economy series brand
 MISUMI **MISUMI economy**

4

Motors / Couplings
Stepper Motors

P.493

Couplings
P.507

Keyless Bushings
P.521

Economy series Couplings

4 main categories of common specifications are available to meet your daily design needs.

Aircraft Aluminum

Highly Responsive

vs Standard Type
Saving up to 79 %



Differences in specifications between “Misumi Economy Series and Misumi Standard Products” (ex of comparison with disk type)

	MISUMI standard product	MISUMI Economy Series	Generic products on the market *
Max. Rotational Speed Range	500 to 45000 r/min	10000 r/min or less	10000 r/min or less
Allowable Torque Range	0.9~16N·m	1~8N·m	1~8N·m
Body Material	Japanese A7075 (Aircraft Aluminum)	Chinese A7075	Chinese A6061
Aluminum Alloy Hardness	150HB	150HB	90HB
Tensile Strength	590MPa	570MPa	213MPa

Specifications of MISUMI Economy Series Couplings

- MISUMI economy series couplings are available in a wide range of specifications, and shipped in 3 days.

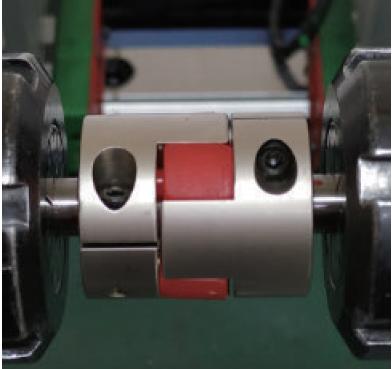
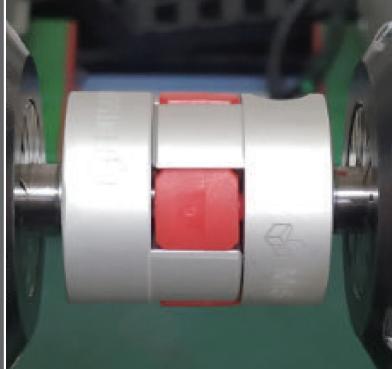
	Disc		Oldham Shape **		Slit Shape **		Jaw Shape **	
	MISUMI Economy Series	Generic products on the market *	MISUMI Economy Series	Generic products on the market *	MISUMI Economy Series	Generic products on the market *	MISUMI Economy Series	Generic products on the market *
Shaft Hole Dia. (φ)	4~25	6~20	3~38	6~20	3~40	4~14	3~90	8~16
O.D. (φ)	16~55	20~40	6~70	20~32	8~63	16~32	14~135	14~40
Allowable Torque (N·m)	1.0~25	1.0~20	0.7~56	1~4.5	0.5~22	1.0~8	5~800	0.7~17

* Generic products on the market are similar products randomly purchased by our company from online or offline markets

**Some specification only available on MISUMI Website

■ Torsional Rigidity

- Test Benchmark: GB/T10128-2007
- The coupling fits close to the drive shaft on one side and the non-rotating driven shaft on the other side, using a unit plane angle to represent the linear connecting part from 10% to 100% of the performance torque.
- MISUMI uses A7075 hard aluminum, which is more than 1.6 times harder than the common A6061 aluminum on the market. As a result, the product is over 2 times more rigid than similar products on the market, with better motor response.

Generic products on the market *	MISUMI Economy Series
Static torsional rigidity 227.32N·m/rad	Static torsional rigidity 496.472N·m/rad
	

- Static torsional rigidity: refers to the rigidity of a coupling against torsional action, and the greater rigidity shows higher responsiveness.

4

Motors / Couplings

Stepper Motors

P.493

Couplings

P.507

Keyless Bushings

P.521

■ Dynamic Torque Fatigue Test

- Performance torque is loaded at maximum angular misalignment to confirm its durability
- MISUMI Economy series core components use Japanese stainless steel discs and assembly screws, ensuring precise combination of all components through strict internal assembly management, which greatly improves the service life of the product.

■ Test Conditions

- Load torque: Allowable load
- Lateral misalignment: Maximum lateral misalignment
- Angular misalignment: Maximum angular misalignment
- Test cycle: Forward and reverse rotations every 15 minutes (10 million revolutions in total)

■ Test Result

Generic products on the market *	MISUMI Economy Series	Test Details	Generic products on the market *	MISUMI Economy Series
Screw loosening and fall-off	No changes	1 million rotations	06 hole slipping	No changes
		1.5 million rotations	06 hole slipping	No changes
		2.5 million rotations	06 & 08 hole / shaft hole shifting	06 hole / shaft hole shifting
		9 million rotations	Disc loosening	No changes
		10 million rotations	Screw loosening 06 hole edge fall-off	No changes

* Generic products on the market are similar products randomly purchased by our company from online or offline markets. The test data are obtained through testing by our company, which are for reference only.



Single Disc Couplings Clamping Type

New Products



Representative model: E-LMCPS20-6-6

Save up to
vs Standard Type **78%**

274

THB



Volume Discount

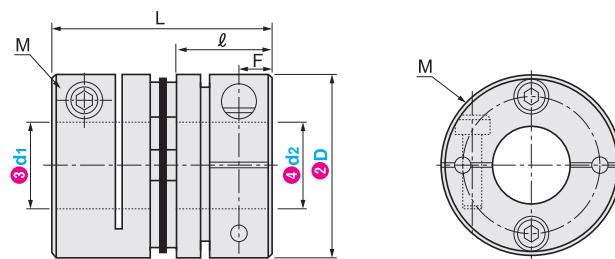
Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

[CAD](#) **2D**
 [3D](#)

Material			Surface Treatment			Accessory
Body	Disc	Clamp Screw	Body	Clamp Screw		
Aluminum Alloy	Stainless Steel	SCM435	Clear Anodized	Ferroferric Oxide Protective Film		Hexagon Socket Head Bolt



Part Number	① Type	② D	③ Shaft hole dia. d1, ④ Shaft hole dia. d2 selection (However, d1≤d2)					Total Length L	⑤ l	⑥ F	Clamp Screw	
			M	③ d1	④ d2	⑤ l	⑥ F				M	Tightening Torque N·m
E-LMCPS	20	3 4 5 6 6.35 7 8						23	10.6	3.2	M2.5	1.0
	26	3 4 5 6 6.35 7 8 9 9.525 10 11 12 14						26	11.35	4	M3	1.5
	29	5 6 6.35 7 8 9 9.525 10 11 12 14						25.7	11.85	4	M3	1.5
	32	5 6 6.35 7 8 9 9.525 10 11 12 12.7 14 15						28	12.25	4	M3	1.5
	33	5 6 6.35 7 8 9 9.525 10 11 12 12.7 14 15						28.5	12.25	4	M3	1.5
	34	5 6 6.35 8 9 9.525 10 11 12 12.7 14 15 16						32	14.25	5	M4	3.5
	39	8 9 9.525 10 11 12 12.7 14 15 16 17 18 19						34.5	14.9	5.2	M4	3.5
	44	8 9 9.525 10 11 12 12.7 14 15 16 17 18 19 20 22 24						34.5	14.9	5.2	M4	3.5

① Bore tolerance H7

② Further spec information such as allowable torque or mass is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (① Type · ② D) - ③ d1 - ④ d2
E-LMCPS20 - 6 - 6



Alteration

Ordering Example

Part Number (① Type · ② D) - ③ d1 - ④ d2 - (LK-RK)
E-LMCPS20 - 8 - 8 - LK3

4

Motors / Couplings

Stepper Motors

P.493

Couplings

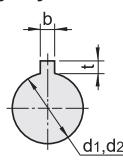
P.507

Keyless Bushings

P.521

Alterations	Keyway Machining	
	Spec.	Designation Method
	M	
	Shaft Dia. d1:d2	LK-RK
	8~10	3
	11~12	4
	13~17	5
	18~22	6
	23~30	8
	③ Keyway machining shaft dia. is φ8~.	
	④ See table on the right for keyway dimensions.	
Code	LK (Left Shaft)	RK (Right Shaft)

Keyway Dimensions



Shaft hole dia. ③ d1 · ④ d2	b (keyway width) LK	t keyway depth RK	Key nominal dimensions b×h
8~10	3	3	3×3
11~12	4	4	4×4
13~17	5	5	5×5
18~22	6	6	6×6
23~30	8	8	8×7

How to search on website



By Type

Search on MISUMI official website
E-LMCPS

By Keyword

Step 1 Search on MISUMI official website Step 2 Select MISUMI economy series brand
disc coupling

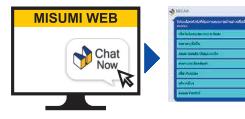
MISUMI MISUMI economy



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MISUMI WEB "Chat"



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Double Disc Couplings Clamping Type

New
Products



Representative model: E-LMCPW33-15-15

Save up to
vs Standard Type **71 %**

352

THB



Volume Discount

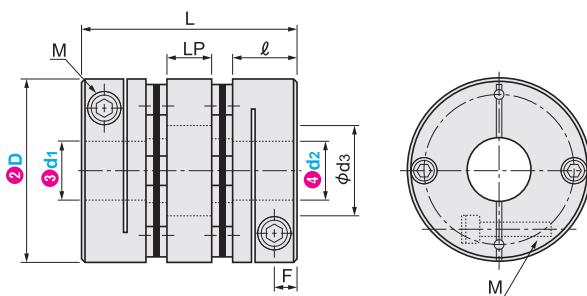
Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

CAD
2D
3D

Material			Surface Treatment		Accessory
Body	Disc	Clamp Screw	Body	Clamp Screw	
Aluminum Alloy	Stainless Steel	SCM435	Clear Anodized	Ferroferric Oxide Protective Film	Hexagon Socket Head Bolt



Part Number	①Type ②D	③Shaft hole dia. d1, ④Shaft hole dia. d2 selection (However, d1≤d2)										Total Length L	l	LP	φd3	F	Clamp Screw						
		20	3	4	5	6	6.35	7	8	9	9.525	10	11	12	14	M	Tightening Torque N·m						
E-LMCPW	20	3	4	5	6	6.35	7	8	9	9.525	10	11	12	12.7	14	15	28.8	10.6	4	8.5	3.2	M2.5 1.0	
	26	5	6	6.35	7	8	9	9.525	10	11	12	14					35	11.35	7.1	14.2	4	M3 1.5	
	29	5	6	6.35	7	8	9	9.525	10	11	12	14					34.3	11.85	6.6	14.2	4	M3 1.5	
	32	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15				41	12.25	9.5	15.5	4	M3 1.5	
	33	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15	16			40	12.25	8.5	16.5	4	M3 1.5	
	34	5	6	6.35	8	9	9.525	10	11	12	12.7	14	15	16			45	14.25	9.5	16.5	5	M4 3.5	
	39				8	9	9.525	10	11	12	12.7	14	15	16	17	18	19	50	14.9	11.2	19.3	5.2	M4 3.5
	44				8	9	9.525	10	11	12	12.7	14	15	16	17	18	19	20	14.9	11.2	22.5	5.2	M4 3.5

① Bore tolerance H7

② Further spec information such as allowable torque or mass is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type · ②D) - ③d1 - ④d2
E-LMCPW33 - 15 - 15



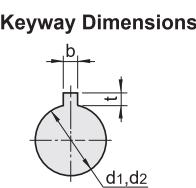
Alteration

Ordering Example

Part Number (①Type · ②D) - ③d1 - ④d2 - (LK·RK)
E-LMCPW33 - 15 - 15 - LK5

Alterations	Keyway Machining	
	Designation Method	Shaft Dia. d1-d2
Spec.	LK4	8~10
	RK4	11~12
		13~17
		18~22
		3
		4
		5
		6
		3x3
		4x4
		5x5
		6x6

③ Keyway machining shaft dia. is φ8~.
④ See table on the right for keyway dimensions.



Shaft hole dia. ③d1 · ④d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3x3
11~12	4	4	1.8	4x4
13~17	5	5	2.3	5x5
18~22	6	6	2.8	6x6

Code LK (Left Shaft) RK (Right Shaft)

How to search on website



By Type

E-LMCPW

By Keyword

disc coupling



Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand

MISUMI MISUMI economy

4
Motors / Couplings
Stepper Motors

Couplings
P.507

Keyless Bushings
P.521

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Single Disc Couplings Set Screw Type

New
Products



Representative model: E-LMCPSS26-10-11

Save up to
vs Standard Type **72%**

275

THB



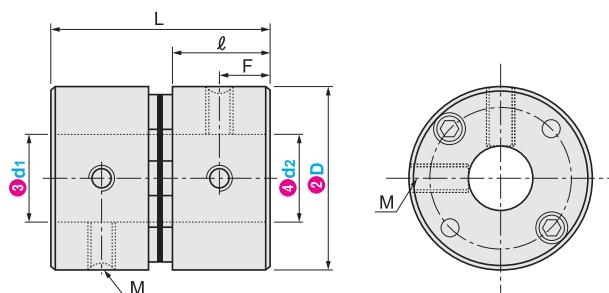
Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

[Download CAD 3D](#)



4
Motors / Couplings

Stepper
Motors

P.493

Couplings

P.507

Keyless
Bearings

P.521

Part Number	① Type	② D	③ Shaft hole dia. d1, ④ Shaft hole dia. d2 selection (However, d1≤d2)	Total Length L	l	F	Set Screw	
							M	Tightening Torque N·m
E-LMCPSS	26	5 6 6.35 7 8 9 9.525 10 11 12		26	11.35	5.7	M4	1.7
	32	5 6 6.35 8 9 9.525 10 11 12 12.7 14 15 16		28	12.25	6.1	M4	1.7
	34	5 6 6.35 8 9 9.525 10 11 12 12.7 14 15 16		32	14.25	7.1	M4	1.7
	39		8 9 9.525 10 11 12 12.7 14 15 16 17 18	34.5	14.9	7.5	M5	4.0
	44		8 9 9.525 10 11 12 12.7 14 15 16 17 18 19 20 22	34.5	14.9	7.5	M5	4.0

① Bore tolerance H7

② Further spec information such as allowable torque or mass is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (① Type · ② D) - ③ d1 - ④ d2

E-LMCPSS26 - 10 - 11



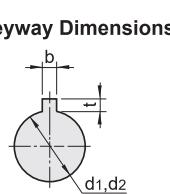
Alteration

Ordering Example

Part Number (① Type · ② D) - ③ d1 - ④ d2 - (LK·RK)

E-LMCPSS26 - 10 - 11 - LK3

Alterations	Keyway Machining	
	Spec.	Designation Method
		Shaft Dia. d1-d2 LK-RK
	LK4	8~10 3
	RK4	11~12 4
		13~17 5
		18~22 6
		⑤ Keyway machining shaft dia. is $\phi 8\sim$.
		⑥ See table on the right for keyway dimensions.
Code	LK (Left Shaft)	RK (Right Shaft)



Keyway Dimensions	Shaft hole dia. ③ d1 · ④ d2	b (keyway width)		t keyway depth	Key nominal dimensions bxh
		LK	RK		
	8~10	3	3	1.4	3x3
	11~12	4	4	1.8	4x4
	13~17	5	5	2.3	5x5
	18~22	6	6	2.8	6x6

How to search on website



By Type

E-LMCPSS

By Keyword

disc coupling

Step 1 ▶ Search on MISUMI official website

Step 2 ▶ Select MISUMI economy series brand

MISUMI



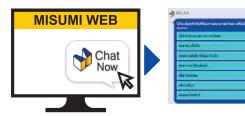
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Double Disc Couplings Set Screw Type

New Products



Representative model: E-LMCPSW26-6-10

Save up to
vs Standard Type **74%**

187

THB



Volume Discount

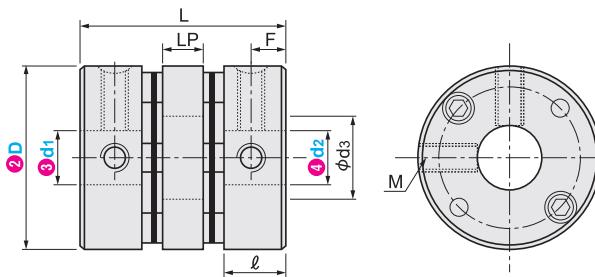
Quantity	1~9	10~14	15~
Discount	Unit Price	15%	30%

① Shipping days may differ by Quantity.

② Quantity of volume discount above is for representative Part No. It may differ by the Part.

CAD **2D**
 3D

Material			Surface Treatment			Accessory
Body	Disc	Clamp Screw	Body	Clamp Screw		
Aluminum Alloy	Stainless Steel	SCM435	Clear Anodized	Ferroferric Oxide Protective Film	Set Screw	



Part Number	① Type	② D	③ Shaft hole dia. d1, ④ Shaft hole dia. d2 selection (However, d1≤d2)	Total Length L	Set Screw	
					M	Tightening Torque N·m
E-LMCPSW	26	5 6 6.35 7 8 9 9.525 10 11 12 14		35	11.35	7.1 12.5 5.7 M4 1.7
	32	5 6 6.35 8 9 9.525 10 11 12 12.7 14 15		41	12.25	9.5 16 6.1 M4 1.7
	34	5 6 6.35 8 9 9.525 10 11 12 12.7 14 15 16		45	14.25	9.5 16.2 7.1 M4 1.7
	39	8 9 9.525 10 11 12 12.7 14 15 16 17 18		50	14.9	11.2 19.3 7.5 M5 4.0
	44	8 9 9.525 10 11 12 12.7 14 15 16 17 18 19 20		50	14.9	11.2 22.5 7.5 M5 4.0

① Bore tolerance H7

② Further spec information such as allowable torque or mass is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (① Type · ② D) - ③ d1 - ④ d2
E-LMCPSW26 - 6 - 10

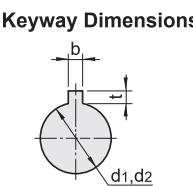


Alteration

Ordering Example

Part Number (① Type · ② D) - ③ d1 - ④ d2 - (LK·RK)
E-LMCPSW26 - 8 - 10 - LK3

Alterations	Keyway Machining	
	Spec.	Designation Method
		Shaft Dia. d1-d2 LK-RK
	LK4	8-10 3
	RK4	11-12 4
		13-17 5
		18-22 6
		⑤ Keyway machining shaft dia. is $\phi 8 \sim 18$
		⑥ See table on the right for keyway dimensions.
Code	LK (Left Shaft)	RK (Right Shaft)



Keyway Dimensions	Shaft hole dia. ③ d1 · ④ d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
		LK	RK		
	8-10	3	3	1.4	3×3
	11-12	4	4	1.8	4×4
	13-17	5	5	2.3	5×5
	18-22	6	6	2.8	6×6

How to search on website



By Type

E-LMCPSW

By Keyword

disc coupling

Step 1 ▶ Search on MISUMI official website

Step 2 ▶ Select MISUMI economy series brand

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4
Motors / Couplings

Stepper
Motors

P.493

Couplings

P.507

Keyless
Bushings

P.521



Oldham Couplings Clamping Type

New Products



Representative model: E-LMPOC25L39-8-10

Save up to vs Standard Type **57%**

311

THB

Shipping from
9 days

Volume Discount

Quantity	1~3	4~
Discount	Unit Price	20%

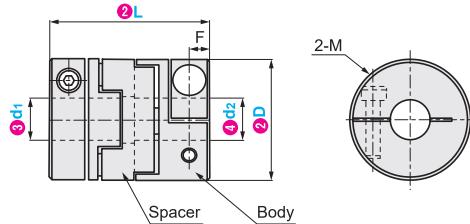
(?) Shipping days may differ by Quantity.

(?) Quantity of volume discount above is for representative Part No. It may differ by the Part.

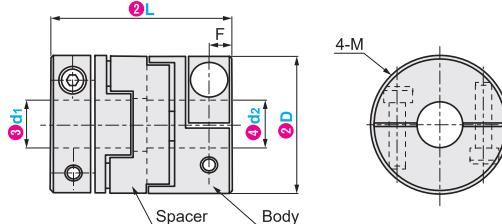
CAD
2D
3D

Material	Spacer	Surface Treatment	Accessory
Body	Spacer	Body	
Aluminum Alloy	PA66	Clear Anodized	Clamp Screw

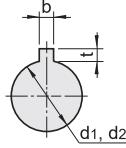
O.D. $\phi 16 \sim \phi 44$



O.D. $\phi 50 \sim \phi 70$



Keyway Dimensions



Shaft hole dia. ③d ₁ · ④d ₂	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3×3
11~12	4	4	1.8	4×4
13~17	5	5	2.3	5×5
18~22	6	6	2.8	6×6
23~30	8	8	3.3	8×7
31~38	10	10	3.3	10×8
39~44	12	12	3.3	12×8
45~50	14	14	3.8	14×9
51~58	16	16	4.3	16×10
59~65	18	18	4.4	18×11

Round Hole / Keyway Clamping Type

Part Number	③ Shaft hole dia. d ₁ , ④ Shaft hole dia. d ₂ selection (However, d ₁ ≤d ₂)				F	Clamp Screw	
	①Type	②D	②L	M		M	Tightening Torque (N·m)
E-LMPOC	16	L29	4 5 6 6.35	3	M2.5	1	
	20	L33	5 6 6.35 7 8	3.8	M2.5	1	
	25	L39	5 6 6.35 8 9 9.525 10 11 12	3.9	M3	1.5	
	32	L45	5 6 8 9 9.525 10 11 12 12.7 14 15 16	4.5	M4	3.5	
	40	L50	8 9 9.525 10 11 12 14 15 16 17 18 19	5.5	M5	8	
	44	L46	8 9 9.525 10 11 12 14 15 16 17 18 19 20 22	7.8	M5	8	
	50	L53	10 11 12.7 14 15 16 17 18 19 20 22 24	7.5	M6	13	
	50	L58	10 11 12.7 14 15 16 17 18 19 20 22 24	6.3	M6	13	
	55	L57	10 11 12.7 14 15 16 17 18 19 20 22 24 25 28	6.3	M6	13	
	63	L71	14 15 16 17 18 19 20 22 24 25 28 30 32	7.8	M8	28	
	70	L77	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38	7.7	M8	28	

(?) Further technical specification such as allowable torque is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type · ②DL) - ③Shaft hole dia. d₁ - ④Shaft hole dia. d₂

E-LMPOC25L39 - 8 - 10

How to search on website



By Type

E-LMPOC

By Keyword

oldham coupling

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand

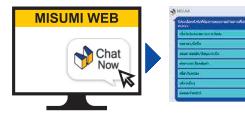
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Oldham Couplings Set Screw Type

New Products



Representative model: E-LMPO25L28-8-10

Save up to
vs Standard Type **36%**

313

THB



Volume Discount

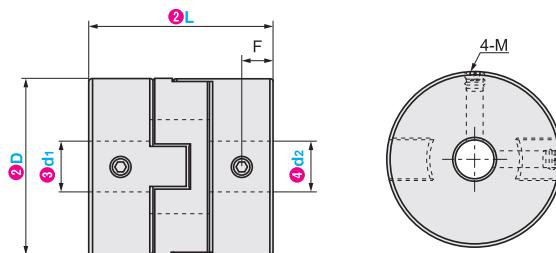
Quantity	1~3	4~
Discount	Unit Price	20%



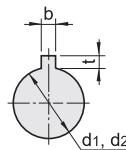
Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

Material		Surface Treatment		Accessory
Body	Spacer	Body		
Aluminum Alloy	PA66	Clear Anodized		Set Screw



Keyway Dimensions



Shaft hole dia. d1 · d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3×3
11~12	4	4	1.8	4×4
13~17	5	5	2.3	5×5
18~22	6	6	2.8	6×6
23~30	8	8	3.3	8×7
31~38	10	10	3.3	10×8
39~44	12	12	3.3	12×8
45~50	14	14	3.8	14×9
51~58	16	16	4.3	16×10
59~65	18	18	4.4	18×11

Round Hole / Keyway Clamping Type

Part Number	①Type	②D	③L	④Shaft hole dia. d1, ⑤Shaft hole dia. d2 selection (However, d1≤d2)				F	Set Screw	
				LK	RK	t keyway depth	Key nominal dimensions b×h		M	Tightening Torque (N·m)
E-LMPO	16	L18	4 5 6 6.35 7 8					3	M3	0.7
	20	L25	5 6 6.35 8 9 9.525 10					3	M3	0.7
	25	L28	5 6 8 9 9.525 10 11 12 14					2.8	M4	1.7
	32	L33	5 6 8 9 9.525 10 11 12 12.7 14 15 16 17 18 19 20					3.4	M4	1.7
	40	L32	8 9 9.525 10 11 12 12.7 14 15 16 17 18 19 20 22 24 25					3.2	M4	1.7
	44	L46	8 9 9.525 10 11 12 12.7 14 15 16 17 18 19 20 22 24 25					3.5	M5	4
	50	L38	10 12 12.7 14 15 16 17 18 19 20 22 24 25 28 30 32					3.8	M5	4
	55	L57	10 12 12.7 14 15 16 17 18 19 20 22 24 25 28 30 32					7.8	M5	4
	63	L47	14 15 16 17 18 19 20 22 24 25 28 30 32					6	M6	7
	70	L77	16 17 18 19 20 22 24 25 28 30 32 35 38 40					13.5	M8	15

Further technical specification such as allowable torque is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type · ②DL) - ③Shaft hole dia. d1 - ④Shaft hole dia. d2

E-LMPO25L28 - 8 - 10

How to search on website

By Type

Search on MISUMI official website

E-LMPO

By Keyword

Step 1 Search on MISUMI official website

oldham coupling

Step 2 Select MISUMI economy series brand

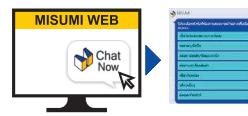
MISUMI

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4
Motors / Couplings

Stepper
Motors

P.493

Couplings

P.507

Keyless
Bushings

P.521

New Products



Representative model: E-LMPJC20L30-6-8

Save up to
vs Standard Type **65%**

279

THB



Volume Discount

Quantity	1~3	4~
Discount	Unit Price	20%

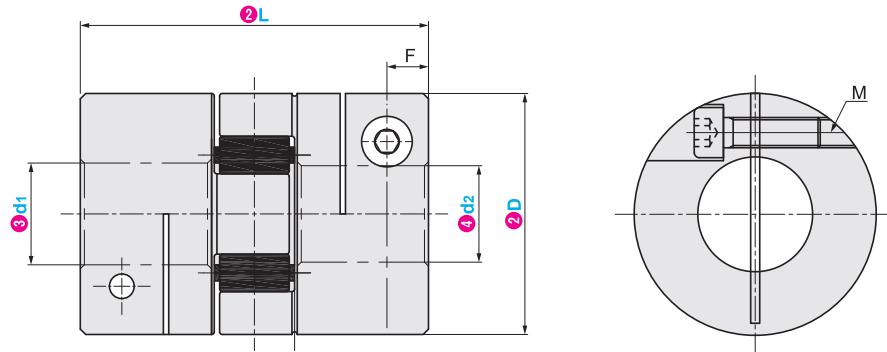
Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

CAD **2D**
3D

Part	Material	Surface Treatment	Accessory
Body	Aluminum Alloy	Clear Anodized	Clamp Screw
Spacer	Polyurethane	-	

E-LMPJC



4

Motors / Couplings

Stepper Motors

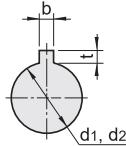
P.493
Couplings

P.507

Keyless Bearings

P.521

Keyway Dimensions



Operating temperature : -20°C to 60°C

Shaft hole dia. d1 · d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3×3
11~12	4	4	1.8	4×4
13~17	5	5	2.3	5×5
18~22	6	6	2.8	6×6
23~30	8	8	3.3	8×7
31~38	10	10	3.3	10×8
39~44	12	12	3.3	12×8
45~50	14	14	3.8	14×9
51~58	16	16	4.3	16×10
59~65	18	18	4.4	18×11

How to search
on website



By
Type

Search on MISUMI official website

E-LMPJC

By
Keyword

Step 1 ▶ Search on MISUMI official website

jaw coupling

Step 2 ▶ Select MISUMI economy series brand

MISUMI **MISUMI economy**

① Type	② D	③ L	④ Shaft hole dia. d1, ⑤ Shaft hole dia. d2 selection (However, d1≤d2)	F	Clamp Screw	
					M	Tightening Torque (N · m)
E-LMPJC	14	L22	3 4 5 6 6.35	3.8	M2.5	1
	20	L25	4 5 6 6.35 7 8 9 9.525 10	5.2	M3	1.5
	20	L30	4 5 6 6.35 7 8 9 9.525 10	5.2		
	25	L30	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14	5.8		
	25	L35	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14	5.8	M4	3.4
	30	L35	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14 15 16	5.9		
	30	L40	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14 15 16	5.9		
	35	L50	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20	6.5	M5	
	40	L40	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L50	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L55	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L66	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L78	10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	55	L78	12 12.7 13 14 15 16 17 18 19 20 22 24 25 28 30	11	M6	14
	65	L90	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38	12.3	M8	30
	80	L114	19 20 22 24 25 28 30 32 35 38 40 42 45	17	M10	30
	95	L126	20222425 28 303235 38 40 42 45 50 55	20	M10	30
	105	L140	20222425 28 303235 38 40 42 45 50 55 60	20	M10	48
	120	L135	25 28 303235 38 40 42 45 50 55 60 65 70 75 80	25	M12	48
	135	L185	303235 38 40 42 45 50 55 60 65 70 75 80 85 90	30	M12	48

Further technical specification such as allowable torque is available on the website.

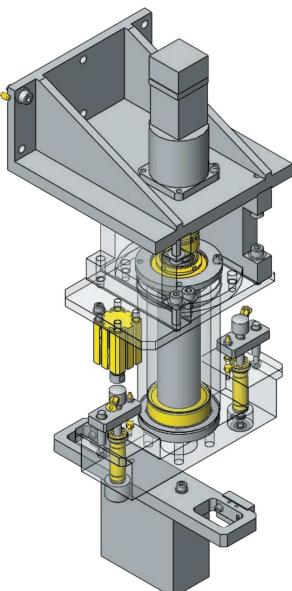
Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type · ②DL) - ③Shaft hole dia. d1 - ④Shaft hole dia. d2
E-LMPJC20L30 - 6 - 8



Example



Specifications

Purpose · Action

Purpose: Transfer and press in the washer.

Action: Adsorb the washer in vacuum and rotate it 180°, then move it to the press-in section and press it into the shaft using the cylinder. When picking up the next workpiece, it performs a negative 180° rotation and returns to the adsorption section.

Object Workpiece

Workpiece: Washer

Specifications: φ20, t0.5

Features

Specifications · Dimensions

External dimensions: W230 × D263 × H598mm

Rotation angle: ±180°

Press-in stroke 8mm

Adsorption head positioning time (180° rotation time) 1sec

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Jaw Couplings Set Screw Type

New
Products



Representative model: E-LMPJ20L30-6-8

Save up to
vs Standard Type **68%**

258

THB



Volume Discount

Quantity	1~3	4~
Discount	Unit Price	20%

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.

CAD **2D**
3D

Part	Material	Surface Treatment	Accessory
Body	Aluminum Alloy	Clear Anodized	Set Screw
Spacer	Polyurethane	-	

[E-LMPJ](#)

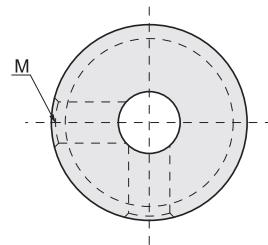
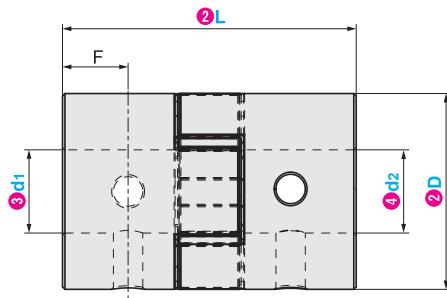
4
Motors / Couplings

Stepper
Motors

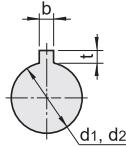
P.493
Couplings

P.507
Keyless
Bearings

P.521



Keyway Dimensions



Operating temperature : -20°C to 60°C

Shaft hole dia. d1 · d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3×3
11~12	4	4	1.8	4×4
13~17	5	5	2.3	5×5
18~22	6	6	2.8	6×6
23~30	8	8	3.3	8×7
31~38	10	10	3.3	10×8
39~44	12	12	3.3	12×8
45~50	14	14	3.8	14×9
51~58	16	16	4.3	16×10
59~65	18	18	4.4	18×11

How to search
on website



By
Type

Search on MISUMI official website

[E-LMPJ](#)

By
Keyword

Step 1 ▶ Search on MISUMI official website

[jaw coupling](#)

Step 2 ▶ Select MISUMI economy series brand

MISUMI MISUMI economy

① Type	② D	③ L	④ Shaft hole dia. d1, ⑤ Shaft hole dia. d2 selection (However, d1≤d2)	F	Set Screw	
					M	Tightening Torque (N · m)
E-LMPJ	14	L22	3 4 5 6 6.35 7 8	3.8	M2.5	1
	20	L25	4 5 6 6.35 7 8 9 9.525 10	5.2	M3	1.5
	20	L30	4 5 6 6.35 7 8 9 9.525 10	5.2		
	25	L30	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14	5.8		
	25	L35	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14	5.8	M4	3.4
	30	L35	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14 15 16	5.9		
	30	L40	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14 15 16	5.9		
	35	L50	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20	6.5	M5	
	40	L40	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L50	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L55	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L66	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	40	L78	10 11 12 12.7 13 14 15 16 17 18 19 20 22	6.7		
	55	L78	12 12.7 13 14 15 16 17 18 19 20 22 24 25 28 30	11	M6	14
	65	L90	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38	12.3	M8	30
	80	L114	19 20 22 24 25 28 30 32 35 38 40 42 45	17	M10	30
	95	L126	2022 2425 28 30 32 35 38 40 42 45 50	20	M10	30
	105	L140	2022 2425 28 30 32 35 38 40 42 45 50 55 60	20	M10	48
	120	L135	25 28 30 32 35 38 40 42 45 50 55 60 65 70 75 80	25	M12	48
	135	L185	30 32 35 38 40 42 45 50 55 60 65 70 75 80 85 90	30	M12	48

Further technical specification such as allowable torque is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type - ②DL) - ③Shaft hole dia. d1 - ④Shaft hole dia. d2

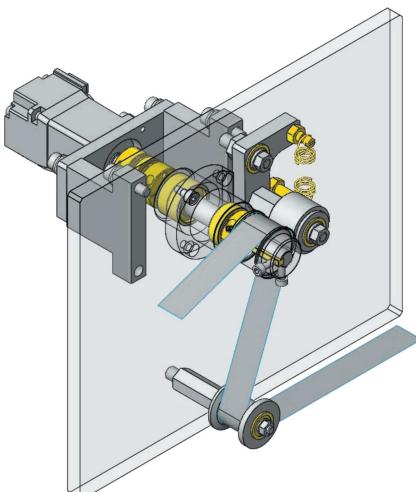
E-LMPJ20L30

6

8



Example



■ Specifications

Purpose · Action

Feed out films and sheet-like workpieces using rollers.

Object Workpiece

Shape: Film, sheet

Specifications: W20 × t0.1mm

■ Features

Specifications · Dimensions

External dimensions: W209 × D110 × H168mm

Feeding speed: 300mm/s

Precision · Load

Tension: 4N

Clamping pressure : 10N

Selection basis of main parts

Since feeding is performed with tension: 4N, clamping pressure : 10N and speed: 300mm/s, a 50W motor is selected.

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Slit Couplings Long, Clamping Type

New Products



Representative model: E-LMPLCN20-5-8

Save up to
vs Standard Type **79%**

230

THB



Volume Discount

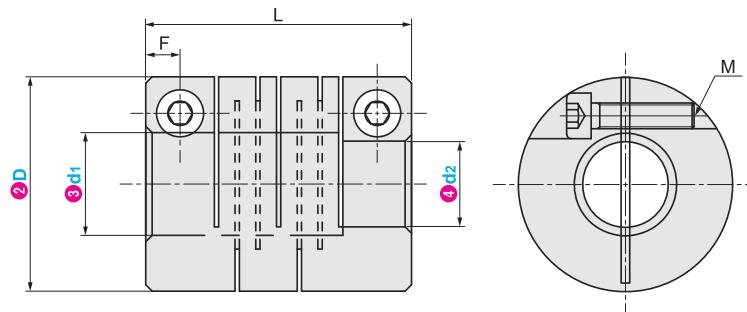
Quantity	1~3	4~
Discount	Unit Price	20%

② Shipping days may differ by Quantity.

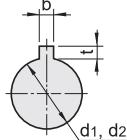
③ Quantity of volume discount above is for representative Part No. It may differ by the Part.

CAD **2D**
3D

Part	Material	Surface Treatment	Accessory
Body	Aluminum Alloy	Clear Anodized	Clamp Screw



Keyway Dimensions



Shaft hole dia. ①d1 · ④d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3×3
11~12	4	4	1.8	4×4
13~17	5	5	2.3	5×5
18~22	6	6	2.8	6×6
23~30	8	8	3.3	8×7
31~38	10	10	3.3	10×8
39~44	12	12	3.3	12×8
45~50	14	14	3.8	14×9
51~58	16	16	4.3	16×10
59~65	18	18	4.4	18×11

Part Number	①Type ②D	③Shaft hole dia. d1, ④Shaft hole dia. d2 selection (However, d1≤d2)	L	F	Clamp Screw	
					M	Tightening Torque (N·m)
E-LMPLCN	16	3 4 4.5 5 6 6.35 7 8	23	3.25	M2.5	0.5
	20	3 4 4.5 5 6 6.35 7 8 9 9.525 10	25	3.75	M3	1
	25	3 4 4.5 5 6 6.35 7 8 9 9.525 10 11 12	30	4.25	M3	1.5
	32	6 6.35 7 8 9 9.525 10 11 12 14 15 16	40	6	M4	2.8
	40	6 6.35 7 8 9 9.525 10 11 12 14 15 16 17 18 19 20	56	8.5	M5	7
	50	6 6.35 7 8 9 9.525 10 11 12 14 15 16 17 18 19 20 22 24 25 28 30 32	71	10.5	M5	12
	63	8 9 9.525 10 11 12 14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40	90	13.5	M6	16

② When the slip torque is less than the allowable torque, please use the slip torque.

③ Further technical specification such as allowable torque is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type · ②D) - ③Shaft hole dia. d1 - ④Shaft hole dia. d2

E-LMPLCN20 - 5 - 8

How to search on website



By Type

Search on MISUMI official website
E-LMPLCN

By Keyword

Step 1 Search on MISUMI official website Step 2 Select MISUMI economy series brand

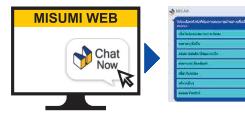
slit coupling

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Slit Couplings Long, Set Screw Type

New Products



Representative model: E-LMPL20-5-8

Save up to
vs Standard Type **61%**

219

THB



Volume Discount

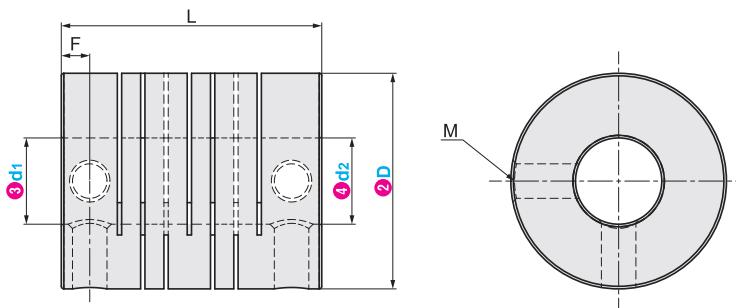
Quantity	1~3	4~
Discount	Unit Price	20%

② Shipping days may differ by Quantity.

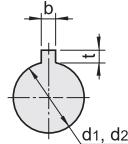
③ Quantity of volume discount above is for representative Part No. It may differ by the Part.



Part	Material	Surface Treatment	Accessory
Body	Aluminum Alloy	Clear Anodized	Set Screw



Keyway Dimensions



Shaft hole dia. ①d1 · ④d2	b (keyway width)		t keyway depth	Key nominal dimensions b×h
	LK	RK		
8~10	3	3	1.4	3×3
11~12	4	4	1.8	4×4
13~17	5	5	2.3	5×5
18~22	6	6	2.8	6×6
23~30	8	8	3.3	8×7
31~38	10	10	3.3	10×8
39~44	12	12	3.3	12×8
45~50	14	14	3.8	14×9
51~58	16	16	4.3	16×10
59~65	18	18	4.4	18×11

Part Number	①Type ②D	③Shaft hole dia. d1, ④Shaft hole dia. d2 selection (However, d1≤d2)	L	F	Set Screw	
					M	Tightening Torque (N·m)
E-LMPL	12	3 4 5 6	18.5	2.5	M2.5	0.5
	16	3 4 5 6 6.35 7 8	23	3	M3	0.7
	20	4 5 6 6.35 7 8 9 9.525 10	25	3	M3	0.7
	25	5 6 6.35 7 8 9 9.525 10 11 12	30	4	M4	1.7
	32	8 9 9.525 10 11 12 14 15 16	40	6	M4	1.7
	40	10 11 12 14 15 16 17 18 19 20 22	56	8.5	M5	4
	50	12 14 15 16 17 18 19 20 22 24 25 28 30 32	71	10.5	M6	7
	63	14 15 16 17 18 19 20 22 24 25 28 30 32 35 38 40	90	13.5	M6	15

② When the slip torque is less than the allowable torque, please use the slip torque.

③ Further technical specification such as allowable torque is available on the website.

Ordering Example

Please order after selecting part number and parameters according to the selection steps ① to ④.

Part Number (①Type · ②D) - ③Shaft hole dia. d1 - ④Shaft hole dia. d2

E-LMPL20 - 5 - 8

How to search
on website



By
Type

Search on MISUMI official website

E-LMPL

By
Keyword

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand

slit coupling



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4
Motors / Couplings

Stepper
Motors

P.493

Couplings

P.507

Keyless
Bushings

P.521



Keyless Bushings (Mechanical Lock), Straight

New Products



Representative model: E-MLA22

Save up to vs Standard Type **71%**

330

THB



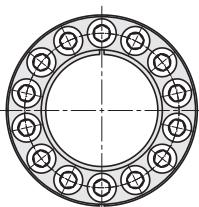
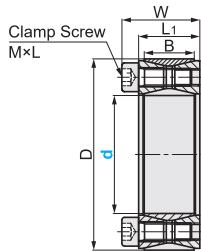
Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

CAD **2D**
3D

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.



Material: S45C
Surface Treatment: None

Part Number	Type	d	D	W	L ₁	B	Clamp Screw			mass (g)	Bore Tolerance (Initial State) μm
							MxL	Quantity	Tightening Torque (N·m)		
E-MLA	19							8		200	
	20	47								230	+27 + 3
	22									240	
	25	50								270	
	30	55	26	20	17		M6×18			300	+30 + 3
	32	60								330	
	35										
	40	65									
	50	80	32	24	20		M8×22	12	37	580	

Ordering Example

Part Number (Type · d)
E-MLA22

4

Motors / Couplings

Stepper Motors

P.493

Couplings

P.507

Keyless Bushings



Keyless Bushings (Mechanical Lock), High Torque Straight

New Products



Representative model: E-MLAT35

Save up to vs Standard Type **81%**

760

THB



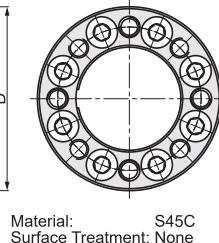
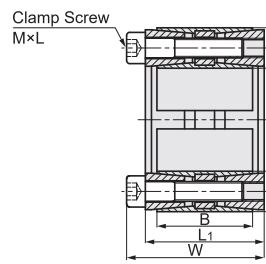
Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

CAD **2D**
3D

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.



Material: S45C
Surface Treatment: None

Part Number	Type	d	D	W	L ₁	B	Clamp Screw			mass (g)	Bore Tolerance (Initial State) μm
							MxL	Quantity	Tightening Torque (N·m)		
E-MLAT	30	55						8		480	
	35	60	51	45	39		M6×40			520	
	40	65								600	+30 + 3
	45	75	72	64	56		M8×55	8	41	1180	
	50	80								1260	

Ordering Example

Part Number (Type · d)
E-MLAT35

How to search on website



By Type

E-MLAT

By Keyword

keyless bushing



Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand



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Keyless Bushings (Mechanical Lock), Straight With Centering Function

New
Products



Representative model: E-MLM30

Save up to
vs Standard Type **74%**

480

THB



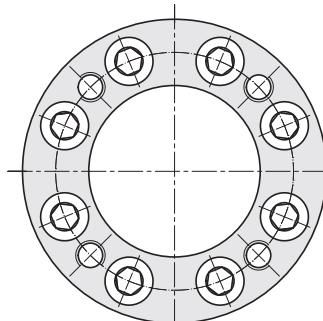
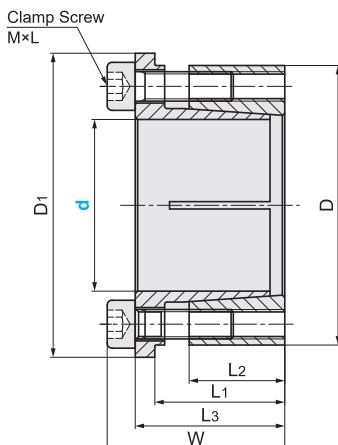
Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

(*) Shipping days may differ by Quantity.

(*) Quantity of volume discount above is for representative Part No. It may differ by the Part.

[CAD 3D](#)



Material: S45C
Surface Treatment: None

Part Number		D	D1	W	L1	L2	L3	Clamp Screw			mass (g)	Bore Tolerance (Initial State) μm			
Type	d							M×L	Quantity	Tightening Torque (N·m)					
E-MLM	5	16	18.5	16	11.2	8	13	M3×10	4	2.1	20	+4.5 0			
	8	21	23.5	18.5	12.5	9.5	14.5	M4×12		5.1	40				
	10	23	25.5	19	13		15	M4×14			60	+5.5 0			
	12	26	28.5	22	15.5	10.5	18	6			70				
	14	28	30.5		23	16.5	11.5	M4×14	6		80				
	15	29	31.5	23	17.5	12	20				130	+6.5 0			
	16	30	33		24	12.5	M5×18	8			140				
	19	33	35.5	29	21	15.5	24				10			170	
	20	38	42		23	26	18.5				M6×20		190		
	22	40	44	31	23	17.5	27.5				210				
	25	43	47		24	18.5	27.5				320	+7 0			
	30	48	52	31.5	27	20.5	31	10	17		380				
	32	50	54	32.5	27.5	21	31.5				400				
	35	57	62	36	26	19.5	30				460				
	40	62	67	37	27	20.5	31								
	42	64	69		37.5	27.5	31.5								
	45	67	72	38.5	27.5	21.5	32.5								
	50	72	77												

Ordering Example

Part Number (Type · d)

E-MLM30

How to search on website



By Type

E-MLM

By Keyword

keyless bushing

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand

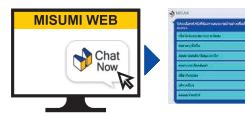
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4

Motors / Couplings

Stepper Motors

Couplings

Keyless Bushings

P.521

P.493

P.507



Keyless Bushings (Mechanical Lock), Simplified Type

New
Products



Representative model: E-MCK16

Save up to
vs Standard Type **78%**

304

THB



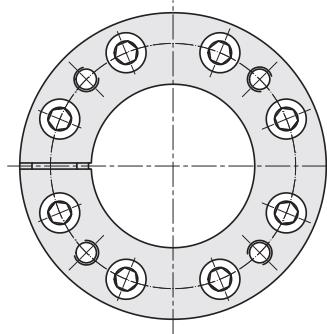
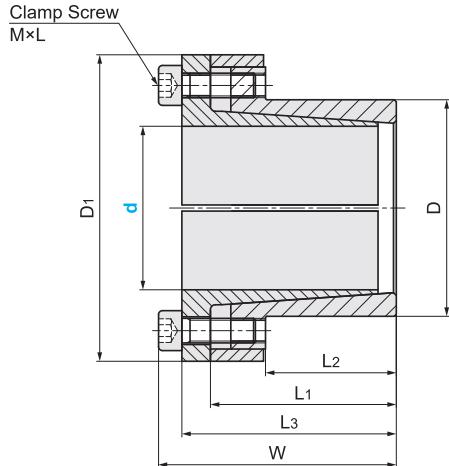
Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%

[CAD](#) **2D** **3D**

Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.



Material: S45C
Surface Treatment: None

4
Motors / Couplings

Stepper Motors
Couplings
P.493
E-MCK
P.507
Keyless Bushings
P.521

Part Number		D	D1	W	L1	L2	L3	Clamp Screw			mass (g)	Bore Tolerance (Initial State) μm				
Type	d							M×L	Quantity	Tightening Torque (N·m)						
P.493 E-MCK	8	15	27	29	22	12	25	M4×12	3	5.1	50	+4.5 0				
	9	16	28	30	23	14	26		4		70					
	10	18	32								80	+5 0				
	12	23	38	30	29	16	36				110					
	14	24	45				M6×18	17			220					
	15	27	49	44	31	18					38				250	+7 0
	16	28	50												260	
	19	32	54	51	38	25					45				350	
	20	34	56												340	
	22	41	62	45	32	52					550				430	
	25	47	69												550	+7.5 0
	30	47	69	58	45	32					52				550	+7.5 0
	35	47	69												550	+7.5 0

Ordering Example

Part Number (Type · d)

E-MCK16

How to search on website



By Type

E-MCK

By Keyword

keyless bushing

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand

MISUMI

MISUMI economy

MISUMI contact

Tel: 038-959200 or 1382
Email: cs@misumi.co.th

MISUMI WEB "Chat"



Install MISUMI APP





Keyless Bushings (Mechanical Lock), Thin Type

New Products



Representative model: E-MCZ20

Save up to
vs Standard Type **75%**

301

THB



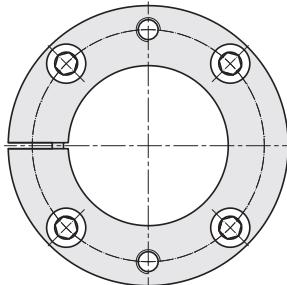
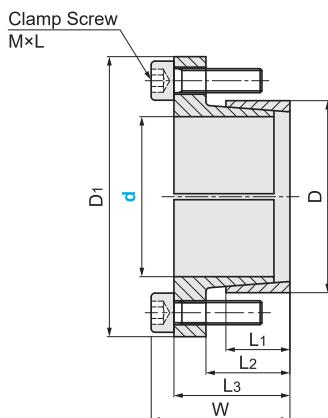
Volume Discount

Quantity	1~3	4~5	6~
Discount	Unit Price	15%	30%



Shipping days may differ by Quantity.

Quantity of volume discount above is for representative Part No. It may differ by the Part.



Material: S45C
Surface Treatment: None

Part Number		D	D1	W	L1	L2	L3	Clamp Screw			mass (g)	Bore Tolerance (Initial State) μm								
Type	d							MxL	Quantity	Tightening Torque (N·m)										
E-MCZ	14	25	42	30	16	20	26	M4×18	4	2.9	9	+4.5								
	16										8	0								
	19										7									
	20		30	50	31			M5×18			11	+7								
	22										14	0								
	25	36	55					M5×20			11									
	30										20									
	32										17									
	35		42	62	33						16									
	36										10	+7.5								
	40	48	70	34	M6×22			22			0									

Ordering Example

Part Number (Type · d)

E-MCZ20

How to search on website



By Type

E-MCZ

By Keyword

keyless bushing

Step 1 Search on MISUMI official website

Step 2 Select MISUMI economy series brand



MISUMI



MISUMI economy

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Tel: 038-959200 or 1382
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4

Motors / Couplings

Stepper Motors

P.493

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P.521