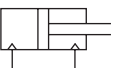
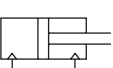


Series variation



Small compact cylinder MSD/MSDG Series

SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2/
COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
MSD/
MSDG
FC*
STK
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
ShkAbs
FJ
FK
Spd
Contr
Ending

Variation	Model No.	Bore size (mm)	Standard stroke (mm)						
			5	10	15	20	25	30	
Double acting/ single rod with switch	MSD MSD-L 	ø6/ø8	●	●	●	●	●	●	
Single acting/ push with switch	MSD-X MSD-XL 	ø6/ø8	●	●					
Single acting/ pull with switch	MSD-Y MSD-YL 	ø6/ø8	●	●					
Double acting/ high load with switch	MSD-K MSD-KL 	ø6/ø8 ø12/ø16	●	●	●	●	●	●	
Double acting/single rod fine speed with switch	MSD-F MSD-LF 	ø6/ø8	●	●	●	●	●	●	
High load/ fine speed with switch	MSD-KF MSD-KLF 	ø6/ø8	●	●	●	●	●	●	
		ø12/ø16	●	●	●	●	●	●	
Double acting/ guided	MSDG-L 	ø6/ø8 ø12/ø16	●	●	●	●	●	●	
Double acting/ guided/ fine speed	MSDG-LF 	ø12/ø16	●	●	●	●	●	●	

●: Standard, ◎: Option, ■ : Not available

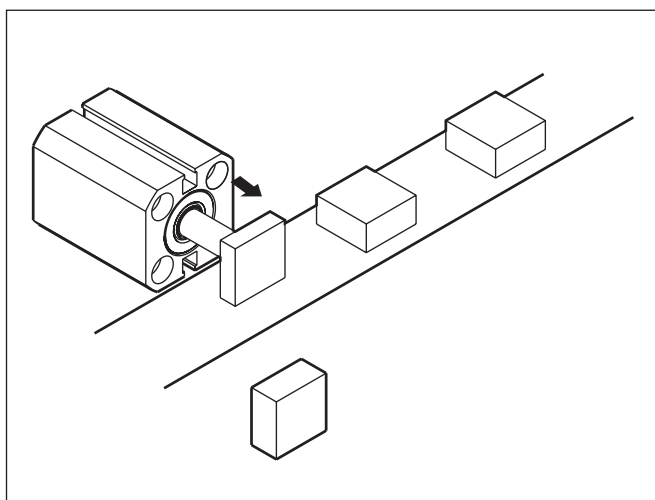
	Min. stroke (mm)	Max. stroke (mm)	Option	Switch	Page
			Rear piping		
			R		
	5	30	◎	◎	1422
	5	10	◎	◎	1430
	5	10	◎	◎	1430
	5	30	◎	◎	1440
	5	30	■	◎	1450
	5	30	◎	◎	1450
	5	30	◎	◎	1452
	5	30	◎	◎	1462

SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2/ COVP/N2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
MSD/ MSDG
FC*
STK
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
ShkAbs
FJ
FK
Spd Contr
Ending

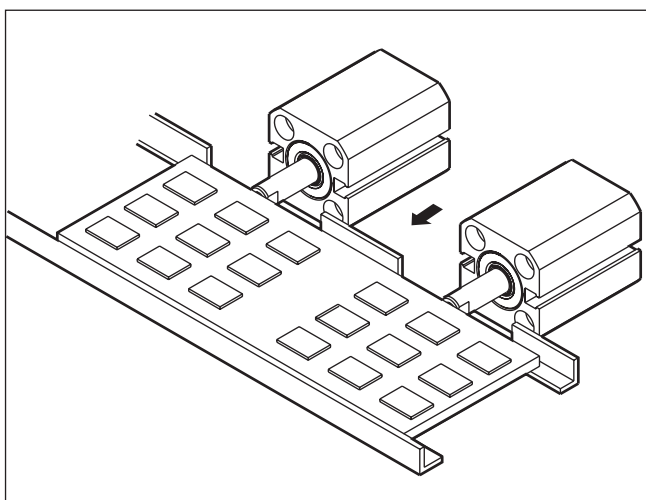
Applications

SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2/
COVPIN2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
MSD/
MSDG
FC*
STK
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
ShkAbs
FJ
FK
Spd
Contr
Ending

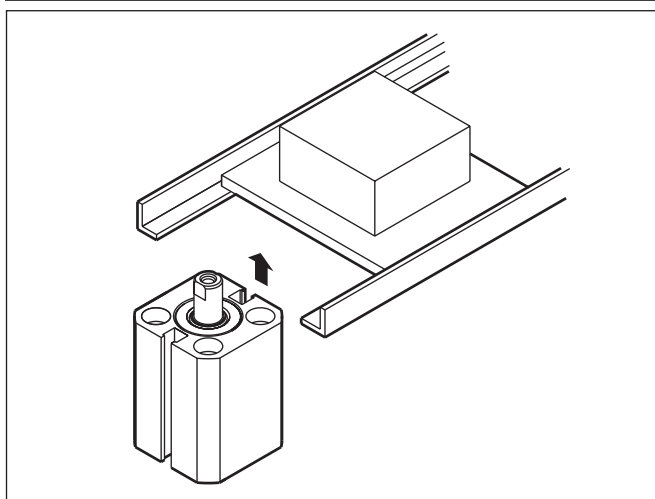
Sorting of good/defective products



Clamp

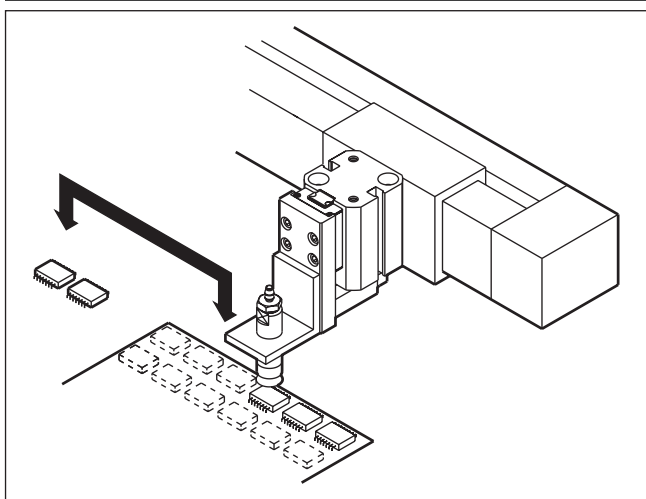


Positioning of pallet/stopper

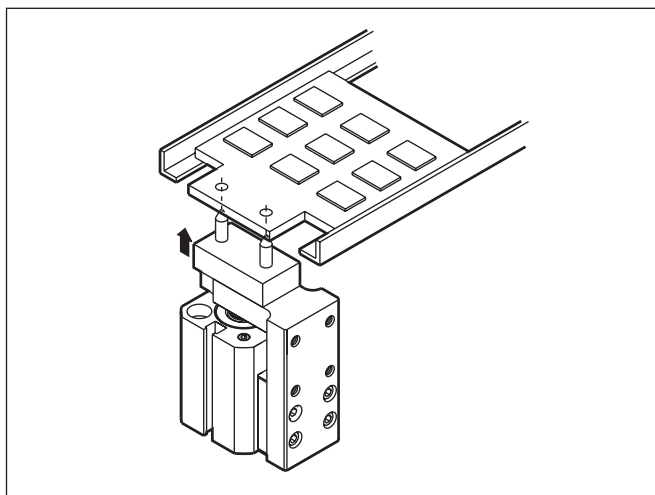


Note: Consult with CKD when using the product as stopper.

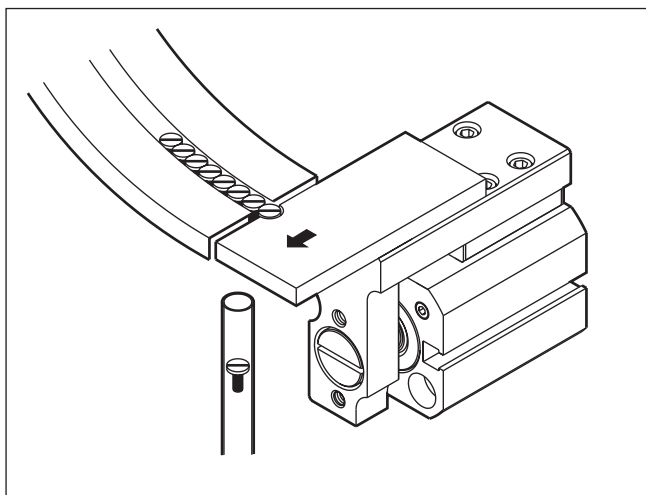
Conveying workpieces



Positioning using pin hole



Compact parts-feeding



Variation and option combination selection table

● MSD Series

⊙: Option
○: Available (made-to-order product)
△: Available depending on conditions
x: Not available

Category		Category	Variation							Option
			Double acting/single rod	High load	Single acting/push	Single acting/pull	With cylinder switch	Fine speed	Rear piping	
		Code	None	K	X	Y	L	F	R	
Variation	Double acting/single rod	Blank								⊙
	High load	K			x	x	⊙	⊙	⊙	
	Single acting/push	X				x	⊙	x	⊙	
	Single acting/pull	Y					⊙	x	⊙	
	With cylinder switch	L						⊙	⊙	
	Fine speed	F							⊙	
Option	Rear common port	R								
Accy. Option	Cylinder switch	Listed separately	⊙	⊙	⊙	⊙	⊙	⊙	⊙	

● Guided MSDG series

⊙: Option
○: Available (made-to-order product)
△: Available depending on conditions
x: Not available

Category		Category	Variation	Port thread	Option		
			Double acting/single rod Fine speed	NPT G	Rear piping		
		Code	None	F	N	G	R
Variation	Double acting/single rod	Blank			x	x	⊙
	Fine speed	F			x	x	⊙
Port thread							
	NPT	N				x	x
Option	G	G					
Accy. Option	Rear common port	R					
	Cylinder switch	Listed separately	⊙	⊙	x	x	⊙

SCP*3
CMK2
CMA2
SCM
SCG
SCA2
SCS2
CKV2
CAV2/ COVP/N2
SSD2
SSG
SSD
CAT
MDC2
MVC
SMG
MSD/ MSDG
FC*
STK
SRL3
SRG3
SRM3
SRT3
MRL2
MRG2
SM-25
ShkAbs
FJ
FK
Spd Contr
Ending