
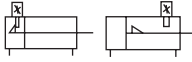









# Series variation



# Tie rod cylinder SCG 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. JIS symbol	Bore size (mm)	Standard stroke length (mm)											Min. stroke length (mm)	Max. stroke length (mm)	
			25	50	75	100	150	200	250	300	350	400	450			500
Double acting/ single rod	SCG 	φ32													1	600
		φ40	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ50/φ63	●	●	●	●	●	●	●	●	●	●	●	●		800
		φ80 φ100														
Double acting/ position locking	SCG-Q 	φ32													5	600
		φ40	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ50/φ63	●	●	●	●	●	●	●	●	●	●	●	●		800
		φ80 φ100														
Double acting/ low speed	SCG-O 	φ32 to φ63	●	●	●	●	●	●	●	●	●	●	●	●	1	600
		φ80	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ100	●	●	●	●	●	●	●	●	●	●	●	●		800
Double acting/ low friction	SCG-U 	φ32 to φ63	●	●	●	●	●	●	●	●	●	●	●	●	1	600
		φ80	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ100	●	●	●	●	●	●	●	●	●	●	●	●		800
Double acting/ double rod	SCG-D 	φ32 to φ63	●	●	●	●	●	●	●	●	●	●	●	●	1	600
		φ80	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ100	●	●	●	●	●	●	●	●	●	●	●	●		800
Double acting/ rotation-stop	SCG-M 	φ32 to φ63	●	●	●	●	●	●	●	●	●	●	●	1	600	
Double acting/ rubber scraper	SCG-G 	φ32													1	600
		φ40	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ50/φ63	●	●	●	●	●	●	●	●	●	●	●	●		800
		φ80 φ100														
Double acting/ coolant proof	SCG-G2, G3 	φ40													1	600
		φ50/φ63	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ80	●	●	●	●	●	●	●	●	●	●	●	●		800
		φ100														
Double acting/ anti-spatter adherence	SCG-G4 	φ32													1	600
		φ40	●	●	●	●	●	●	●	●	●	●	●	●		700
		φ50/φ63	●	●	●	●	●	●	●	●	●	●	●	●		800
		φ80 φ100														

● : Standard, ◎ : Option, ○ : Custom order, ■ : Not available

Available stroke length (mm)	Custom stroke length (per mm)	Mounting									Cushion			Option		Accessory						Switch	Page										
		Basic	Axial foot	Rod side flange	Head side flange	Eye bracket	Clevis bracket	Rod side trunnion	Head side trunnion	Intermediate trunnion	Without cushion	Two-sided air cushion	Two-sided rubber cushion	Bellows (60°C)	Piston rod material stainless steel	Copper and PTFE free	Rod eye	Rod clevis	Eye bracket	Clevis bracket	Eye bracket			Trunnion No. 2 bracket									
		00	LB	FA	FB	CA	CB	TA	TB	TC	N	B	D	J	M	P6	I	Y	B1	B2	B3			B4									
700 800 1200 1400 1500	1	●	●	●	●	●	●	●	●	●	■	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	342
700 800 1200 1400 1500	1	●	●	●	●	●	●	●	●	●	■	●	■	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	358	
600 700 800	1	●	●	●	●	●	●	●	●	●	●	●	■	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	380	
600 700 800	1	●	●	●	●	●	●	●	●	●	●	●	■	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	386	
600 700 800	1	●	●	●	●	■	■	●	●	●	■	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	390	
600	1	●	●	●	●	●	●	●	●	●	■	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	396	
700 800 1200 1400 1500	1	●	●	●	●	●	●	●	●	●	■	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	402	
800 1200 1400 1500	1	●	●	●	●	●	●	●	●	●	■	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	408	
700 800 1200 1400 1500	1	●	●	●	●	●	●	●	●	●	■	●	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	414	

SCP*3
CMK2
CMA2
SCM
<b>SCG</b>
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

## Variation and option combination selection table

- mark : Standard
- ◎ mark : Option
- mark : Available (custom order product)
- △ mark : Available depending on conditions (contact us)
- × mark : Not available

Category	Category	Variation										Port thread		Option					
		None	M	Q	O	U	G	G2	G3	G4	N	G	J	M	P6	N*			
Variation	Double acting single rod	Blank											○	○	◎	◎	◎	○	
	Rotation-stop	M		×	×	×	×	×	×	×			○	○	◎	×	×	○	
	Position locking	Q				△	×	△	△	△			○	○	△	◎	◎	○	
	Low speed	O					×	×	×	×	×			○	○	*1	◎	×	○
	Low friction	U						×	×	×	×			○	○	×	◎	×	○
	Rubber scraper	G							×	×	×			○	○	○	○	○	○
	Coolant proof scraper (NBR)	G2								×	×			○	○	*2	●	○	○
	Coolant proof scraper (FKM)	G3									×			○	○	×	●	○	○
	Anti-spatter adherence	G4												○	○		○	×	○
	Port thread	NPT	N											×					
G		G																	
Option	With bellows (polyolefin)	J														○	○	○	
	Piston rod material stainless steel	M																○	
	Copper and PTFE free	P6																	
	Specify piston rod end form	N*																	
Accessory	Cylinder switch	Listed separately	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	
	Rod eye	I	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	△	
	Rod clevis	Y	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	△	
	Eye bracket	B1	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	
	Clevis bracket	B2	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	
	Eye bracket	B3	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	
SRT3	Trunnion No. 2 bracket	B4	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎		

**Caution**

\*1: The min. starting pressure is larger due to the resistance of expansion and contraction of the bellows.

\*2: Cutting oil may accumulate in the bellows in some conditions.