

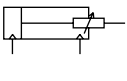

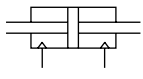
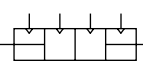
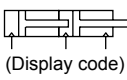




Series variation

Large bore size cylinder SCS2 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)	Available stroke length (mm)	Custom stroke length (per mm)	Mounting				
				50	75	100	150	200	250	300					Basic	Axial foot	Rod side flange	Head side flange	Eye bracket
				●	●	●	●	●	●	●					00	LB	FA	FB	CA
	Double acting/ lubrication	SCS2 	φ125/φ140/φ160	●	●	●	●	●	●	●	1	800	2000	1	●	●	●	●	●
φ180			●	●	●	●	●	●	●	900		●			●	●	●	●	
φ200			●	●	●	●	●	●	●	1000		●			●	●	●	●	
φ250			●	●	●	●	●	●	●	1200		●			●	●	●	●	
	Double acting/ no-lubrication/ with switch	SCS2-N 	φ125/φ140/φ160	●	●	●	●	●	●	●	1	800	2000	1	●	●	●	●	●
φ180			●	●	●	●	●	●	●	900		●			●	●	●	●	
φ200			●	●	●	●	●	●	●	1000		●			●	●	●	●	
φ250			●	●	●	●	●	●	●	1200		●			●	●	●	●	
	Double acting/ stroke adjustable (push)	SCS2-P 	φ125/φ140/φ160	○	○	○	○	○	○	○	25	800	800	1	○	○	○	○	○
φ180			○	○	○	○	○	○	○	900		900	○		○	○	○	○	
φ200			○	○	○	○	○	○	○	1000		1000	○		○	○	○	○	
φ250			○	○	○	○	○	○	○	1200		1200	○		○	○	○	○	
	Double acting/ heat resistant	SCS2-T 	φ125/φ140/φ160	●	●	●	●	●	●	●	1	800	800	1	●	●	●	●	●
φ180			●	●	●	●	●	●	●	900		900	●		●	●	●	●	
φ200			●	●	●	●	●	●	●	1000		1000	●		●	●	●	●	
φ250			●	●	●	●	●	●	●	1200		1200	●		●	●	●	●	
	Double acting/ double rod/with switch	SCS2-D 	φ125/φ140/φ160	○	○	○	○	○	○	○	1	800	800	1	○	○	○	○	○
φ180			○	○	○	○	○	○	○	900		900	○		○	○	○	○	
φ200			○	○	○	○	○	○	○	1000		1000	○		○	○	○	○	
φ250			○	○	○	○	○	○	○	1200		1200	○		○	○	○	○	
	Double acting/ back to back	SCS2-B 	φ125/φ140/φ160	○	○	○	○	○	○	○	1	800	800	1	○	○	○	○	○
φ180			○	○	○	○	○	○	○	900		900	○		○	○	○	○	
φ200			○	○	○	○	○	○	○	1000		1000	○		○	○	○	○	
φ250			○	○	○	○	○	○	○	1200		1200	○		○	○	○	○	
	Double acting/ two-stage	SCS2-W  (Display code)	φ125/φ140/φ160	○	○	○	○	○	○	○	2	800	800	1	○	○	○	○	○
φ180			○	○	○	○	○	○	○	900		900	○		○	○	○	○	
φ200			○	○	○	○	○	○	○	1000		1000	○		○	○	○	○	
φ250			○	○	○	○	○	○	○	1200		1200	○		○	○	○	○	
	Double acting/ low hydraulic	SCS2-H 	φ125/φ140/φ160	○	○	○	○	○	○	○	20	800	800	1	○	○	○	○	○
φ180			○	○	○	○	○	○	○	900		900	○		○	○	○	○	
φ200			○	○	○	○	○	○	○	1000		1000	○		○	○	○	○	
φ250			○	○	○	○	○	○	○	1200		1200	○		○	○	○	○	
	Double acting/ rubber scraper	SCS2-G 	φ125/φ140/φ160	○	○	○	○	○	○	○	1	800	800	1	○	○	○	○	○
φ180			○	○	○	○	○	○	○	900		900	○		○	○	○	○	
φ200			○	○	○	○	○	○	○	1000		1000	○		○	○	○	○	
φ250			○	○	○	○	○	○	○	1200		1200	○		○	○	○	○	

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

Mounting								Cushion				Option							Accessory				Switch	Page	
Clevis bracket	Intermediate trunnion	Rod side trunnion	Head side trunnion	Intermediate supporting hole trunnion	Rod side hole trunnion	Head side trunnion	Without cushion	Both sides cushioned	Rod side cushioned	Head side cushioned	With cushion section check valve	Bellows (60°C)	Bellows (100°C)	Bellows (250°C)	Piston rod material change (stainless steel)	Cushion needle position S	Cushion needle position T	Copper and PTFE free	Rod eye	Rod clevis	Eye bracket	Clevis bracket			
CB	TC	TA	TB	TF	TD	TE	N	B	R	H	C2	J	K	L	M	S	T	P6	I	Y	B1	B2			
●	●	●	●	○	○	○	●	●	●	●	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	SCS2-LN◎	610
●	●	●	●	○	○	○	●	●	●	●	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎		
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●	●	●	●	○	○	○	●	●	●	●	◎	◎	◎	◎	◎	◎	◎	○	◎	◎	◎	◎	◎		
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○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
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○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
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○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
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○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
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○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
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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

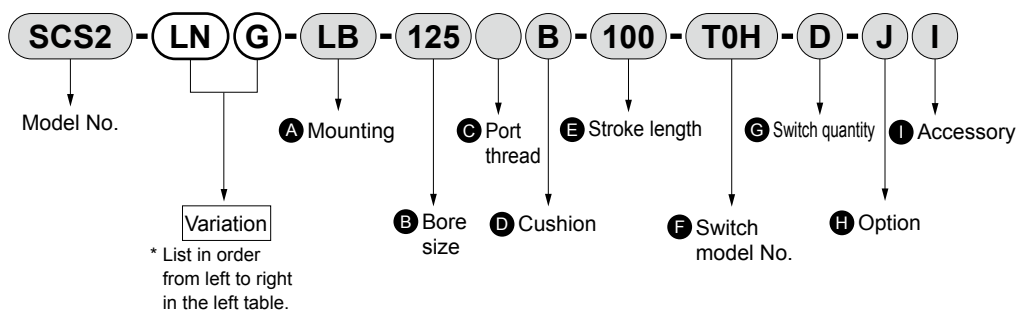
Variation and option combination selection table

- : Standard
- ◎ : Option
- : Available (custom order product)
- △ : Available depending on conditions (Contact CKD.)
- × : Not available

Category	Code	Variation											Port thread		Option							
		Double acting/lubrication	Double acting/no-lubrication	Double acting/with switch	Double acting double rod	Back to back	Double piston	Adjustable stroke push	Low hydraulic	Heat resistance (120°C)	Rubber scraper	NPT	G	With cushion section check valve	Nylon tarpaulin with bellows	Neoprene with bellows	Silicone rubber with bellows	Piston rod material stainless steel	Cushion needle position specification	Copper and PTFE free	Specify piston rod end form	
SCP*3		None	N	LN	D	B	W	P	H	T	G	N	G	C2	J	K	L	M	R,S,T	P6	N*	
CMK2		Blank												◎	◎	◎	◎	◎	◎	◎	◎	
CMA2		N			○	○	○	○	×	*1	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
SCM		LN			○	○	○	○	○	×	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
SCG		D				×	×	×	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
SCA2		B					×	×	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
SCS2		W						△1	○	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
CKV2		P							○	○	△	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
CAV2/COVPIN2		H							×	○	○	○	○	◎	◎	◎	◎	◎	◎	◎	◎	
SSD2		T								×	○	○	○	◎	×	△2	◎	◎	◎	◎	◎	
SSG		G											○	◎	◎	◎	◎	◎	◎	◎	◎	
SSD	Double acting/lubrication	Blank												◎	◎	◎	◎	◎	◎	◎	◎	
SSD	Double acting/no-lubrication	N												◎	◎	◎	◎	◎	◎	◎	◎	
CAT	Double acting/with switch	LN												◎	◎	◎	◎	◎	◎	◎	◎	
MDC2	Double acting double rod	D												◎	◎	◎	◎	◎	◎	◎	◎	
MVC	Back to back	B												◎	◎	◎	◎	◎	◎	◎	◎	
MVC	Double piston	W												◎	◎	◎	◎	◎	◎	◎	◎	
SMG	Adjustable stroke push	P												◎	◎	◎	◎	◎	◎	◎	◎	
MSD/MSDG	Low hydraulic	H												◎	◎	◎	◎	◎	◎	◎	◎	
MSD/MSDG	Heat resistant (120°C)	T												◎	×	△2	◎	◎	◎	◎	◎	
MSD/MSDG	Rubber scraper	G												◎	◎	◎	◎	◎	◎	◎	◎	
FC*	NPT	N												○	○	○	○	○	○	○	○	
FC*	G	G												○	○	○	○	○	○	○	○	
STK																						
SRL3	With cushion section check valve	C2													◎	◎	◎	◎	◎	◎	◎	
SRL3	Nylon tarpaulin with bellows	J														×	×	◎	◎	◎	◎	
SRG3	Neoprene with bellows	K															×	◎	◎	◎	◎	
SRG3	Silicone rubber with bellows	L																◎	◎	◎	◎	
SRM3	Piston rod material stainless steel	M																◎	◎	◎	◎	
SRT3	Cushion needle position specification	R.S.T																		◎	◎	
SRT3	Copper and PTFE free	P6																			◎	
MRL2	Specify piston rod end form	N*																			◎	
MRG2	Cylinder switch	Listed separately	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
SM-25	Rod eye	I	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	△
SM-25	Rod clevis	Y	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	△
ShkAbs	Eye bracket	B1	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
ShkAbs	Clevis bracket	B2	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
FJ																						
FK																						

*1 : Lubrication is not possible for the heat resistant T (no-lubrication).
 △ 1 : Available on the S2 side only.
 △ 2 : Compatible with working temperature of up to 100°C.

[Example of model No.]



Model No.: Large bore size cylinder

- Variation : No-lubrication with switch/low hydraulic
- A Mounting : Axial foot
- B Bore size : ϕ 125 mm
- C Port thread : Rc thread
- D Cushion : Both sides cushioned
- E Stroke length : 100 mm
- F Switch model No.: Reed T0H switch, lead wire 1m
- G Switch quantity : 2
- H Option : Bellows material, for max. ambient temperature 60°C
- I Accessory : Rod eye

*1: The back to back includes two cylinders. Specify the model No. as below when ordering variation.
 For S1 variations only, insert the variation code before the stroke length of S1.
 (Example) SCS2-B-125-H50-75: Only S1 is the low hydraulic.
 For S2 variations only, insert the variation code before the stroke length of S2.
 (Example) SCS2-B-125-50-H75: Only S2 is the low hydraulic.
 When ordering the same variation for S1 and S2, insert the variation code before the bore size.
 (Example) SCS2-BH-125-50-75: Both S1 and S2 are the low hydraulic.

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