

Cylinder SCS2- IN -FP1 Series

Bore size: ø125/ø140/ø160/ø180/ø200/ø250





Specifications								
Item	SCS2- N							
Bore size mm		ø125	ø140	ø160	ø180	ø200	ø250	
Actuation		Double acting						
Working fluid		Compressed air						
Max. working pressure MPa		1.0						
Min. working pressure MPa		0.05						
Proof pressure MPa		1.6						
Ambient temperature °C		−5 to 60(However, no freezing)						
Port size		Rc 1/2	I/2 Rc 3/4					
Stroke tolerance mm		$^{+1.0}_{0}$ (up to 300), $^{+1.4}_{0}$ (up to 1000), $^{+1.8}_{0}$ (up to 1200)						
Working piston speed mm/s		20 to 1000 (Operate within the absorbed energy.)						
Cushion		Air cushion						
Effective air cushion length mm		21.6	21.6	21.6	21.6	26.6	26.6	
Lubrication		Not required						
Allowable absorbed	Cushioned	63.5	91.5	116	152	233	362	
	Without	0.371	0.386	0.386	0.958	1.08	2.32	
energy J	cushion	Without a cushion, large energy generated by the external load cannot be absorbed. We recommend using an external shock absorber.						

^{*1:} The specifications on the left are for double acting/single rod. Each item differs depending on variation. For details, refer to Pneumatic Cylinders I (CB-029SA).

Stroke

Variation: blank, G

Bore size (mm)	Standard stroke (mm)	Max. stroke length(mm)	Available stroke length (mm)	Min.Stroke length (mm)	TrunnionMin. stroke (mm)	
ø125	50/75/100 150/200 250/300	800	2000	1	23	
ø140					25	
ø160					27	
ø180			900	2000	'	28
ø200		1,000			28	
ø250		1,200			28	

^{*1:} The custom stroke length is available in 1 mm increments.

Variation: D

Bore size (mm)	Standard stroke (mm)	Max. stroke length(mm)	Min.Stroke length (mm)	TrunnionMin. stroke (mm)
ø125				23
ø140	50/75/100 150/200 250/300	800		25
ø160				27
ø180		900] ' [28
ø200		1,000		28
ø250		1,200		28

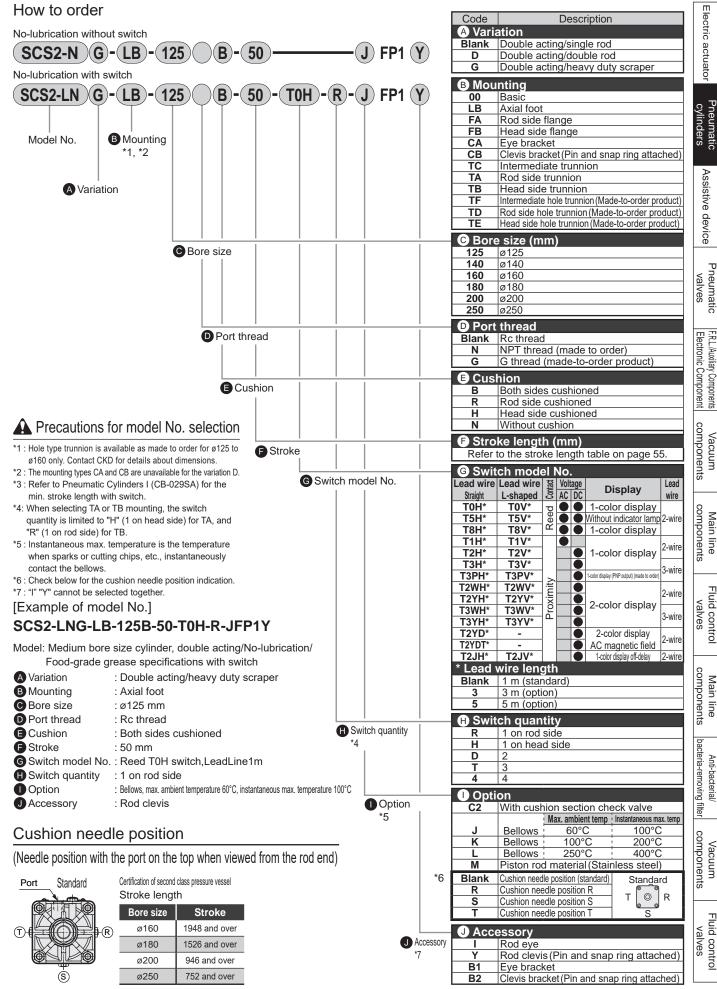
^{*1:} The custom stroke length is available in 1 mm increments.

For dimensions, refer to the SCS2 Series in "Pneumatic Cylinders I (CB-029SA)".

^{*2:} If the max. stroke length is exceeded, product specifications may not be met, depending on operating conditions. Contact CKD in this case.

^{*2:} If the max. stroke length is exceeded, product specifications may not be met, depending on operating conditions. Contact CKD in this case.

SCS2- N -FP1 Series



Vacuum

Fluid control

F.R.L./Auxiliary Components

Vacuum

Main line

Fluid contro