

Compact cylinder double acting/single rod

SSD2 Series

Bore size: ø12/ø16/ø20/ø25/ø32/ø40/ø50/ø63/ø80/ø100

JIS symbol







Specifications

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

opecinic	ations										
Item		SSD2 SSD2-L (with switch)									
Bore size mm		ø12	ø16	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
Actuation		Double acting									
Working fluid		Compressed air									
Max. working pressure MPa		1.0									
Min. working pressure MPa		0.1					0.05				
Proof pressu	ure MPa	1.6									
Ambient temperature °C		-10 to 60 (no freezing)									
Port size			M5 Rc1/8 *1 Rc1					:1/4 Rc3/8			
Stroke tolerance	With rubber cushion	+2.0 0									
mm	Without cushion	+1.0 0									
Working piston speed mm/s		50 to 500					50 to 300				
Cushion		With or without cushion can be selected									
Lubrication		Not required (use turbine oil class 1 ISO VG32 if lubrication is necessary)									
Allowable absorbed	With rubber cushion	0.03	0.05	0.10	0.16	0.16	0.44	0.75	0.78	2.51	3.92
Energy J	Without cushion	0.004	0.01	0.016	0.021	0.025	0.092	0.1	0.12	0.27	0.56

^{*1:} The ø32 bore size with a 5 mm stroke and without a switch has a port size of M5.

Stroke

Bore size (mm)	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)	
ø12	5/10/15/20	30		
ø16	25/30	30		
ø20	5/10/15/20/25			
ø25	30/35/40/45/50			
ø32	5/10/15/20/25/30/	100	1	
ø40	35/40/45/50/75/100		1	
ø50	10/15/20/25			
ø63	30/35/40/45/50	100		
ø80	75/100			
ø100	13/100			

Min. stroke with switch (With 2 switches)

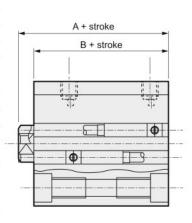
Bore size (mm)	T0H/V / T5H/V	T2H/V / T3H/V		
ø12	10 (5)			
ø16	10 (3)			
ø20				
ø25				
ø32		5		
ø40	5	3		
ø50	3			
ø63				
ø80				
ø100				

^{*1:} When using the type with switch, refer to the table of the min. stroke with switch.

Custom stroke

SSD2 Series

Hom	Standard	d product	Optional products Dedicated unit (-S)			
Item	Standard stroke	body with spacer				
Model No.	Refer to How to ord	er.	Add "-S" option code to the model No.			
Description	A spacer is added to the	standard stroke body to ad-	Dedicated units of the required stroke			
	just the stroke in 1 mm inc	crements.	are available.			
Stroke range	Bore size	Stroke range	Bore size	Stroke range		
	12/16	1 to 29	12, 16	6 to 29		
	20 to 25	1 to 49	20, 25	6 to 49		
	32 to 100	1 to 99	32 to 100	11 to 99		
Example of model No.	Model No.: SSD2-32	2-38	Model No.: SSD2-32-41-S			
	A +2 mm spacer is added to the	e SSD2-32-40 standard cylinder	Dedicated units for 41 mm stroke are available.			
	to create 38 mm stroke. B + str	oke is 63 mm.	B + stroke is 64 mm.			



^{*2:} If the stroke exceeds the max. stroke, refer to the long stroke on page 792.

^{*3:} Refer to pages 763 and 765 for the min. stroke with mounting bracket LB.

^{*1:} Less than 10mm stroke of 2-color LED, off-delay, AC magnetic field proof with T1*, T8* switches are not available.

^{*2:} Values in () are for the type with 1 on rod side.