

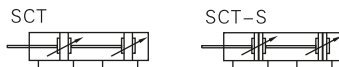


Specifications

Bore size(mm)	32	40	50	63	80	100
Acting type	Double acting					
Fluid	Air (to be filtered by 40μm filter element)					
Mounting type	Basic FA FB CA CB LB TC TCM1					
Operating pressure	0.15~1.0MPa(22~145psi)(1.5~10.0bar)					
Proof pressure	1.5MPa(215psi)(15bar)					
Temperature (°C)	-20~70					
Speed range (mm/s)	30~800					
Stroke tolerance	0~250 ^{+1.0} ₀		251~1000 ^{+1.5} ₀		1001-1500 ^{+2.0} ₀	
Cushion type	Variable cushion					
Adjustable cushion stroke	21				28	29
Port size Note)	1/8"	1/4"		3/8"		1/2"

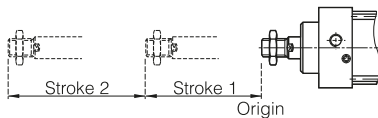
Note: PT thread, G thread and NPT thread are available.

Symbol



Product feature

1. Standard cylinder manufactured by our enterprise.
2. The seal of piston adopts heterogeneous two way seal structure. It's dimension is tight and it has the function of grease reservation.
3. It is tie rod cylinder. The cylinder barrel and front/rear cap is jointed by tie rods with high reliability.
4. Piston rod can be positioned in several positions in the whole action process.



5. The buffer adjustment of cylinder is smooth and steady.
6. Cylinders and mounting accessories with several specifications are optional.
7. The seal material with high temperature resistance is adopted to guarantee the normal operation of cylinder at 150°C.

Stroke

Bore size (mm)	Standard stroke (mm)																Max.std stroke	Max. stroke
32	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	500	800
40	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	500	800
50	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	500	800
63	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	500	800
80	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	500	800
100	25	50	75	80	100	125	150	160	175	200	250	300	350	400	450	500	500	800

Note: If the stroke is ≥800mm within the maximum stroke scope, it is treated as non-standard one.
Please contact Dg-pnetic for other special strokes.

Ordering code

SCT		50	×	50	×	50	S												
Model		Bore size	Stroke 1		Stroke 2		Magnet		Mounting type (Note)		Seals material		Thread type						
SCT	Double acting Multi-position type	32	Refer to stroke table for details		Refer to stroke table for details		Blank	Without magnet	Blank		Blank	TPU	Blank	PT					
		S													With magnet	LB		FA	

Note: TC is used with TCM1.

Cylinder

SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

Cylinder

SC

SC(Big)

SCT

SCF

SU

SUF

SI

SIF

DNC

QGB

QGBZ

NCQ2

NCQ2(Big)

NCQ2(Long)

NCQS

NCQM

NRQ

SDA

ADVU

ACE(AND)

MAL

MA

MI

NCM2

NCJ2

NCG1

NCJP

TD

TN(TDA)

NCXS

NCXSW

NMGP

NMGG

NCU

NCUJ

NCY3B

NCY3R

NCY1S

NCY1L

STM

NMXH

NMXS

NMXQ

NMHZ2

NMHC2

NMHL2

NMHY2

NMHT2

NMHW2

NMHF2

NMHS2

NMHS3

NMHS4

NMRHQ

NMSQ

NCRA1

NCRQ2

NCRB2

ACK

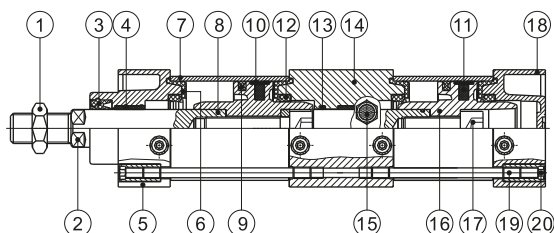
SRC

QCK

NCK1

Inner structure and material of major parts

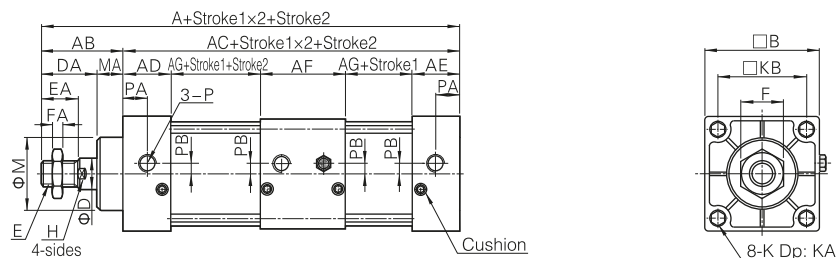
SCT



No.	Item	Material
1	Rod nut	Carbon steel
2	Piston rod	Carbon steel with 20μm chrome plated
3	packing	TPU
4	Bushing	Wear resistant material
5	Front cover	Aluminum alloy
6	Cushion O-ring	TPU
7	Barrel	Aluminum alloy
8	Rod O-ring	NBR
9	Piston seal	NBR
10	Wear ring	Wear resistant material
11	Magnet	Plastic
12	Gasket	NBR
13	O-ring	NBR
14	Joint seat	Aluminum alloy
15	Silencer	Plastic
16	Piston	Aluminum alloy
17	Bolt	Carbon steel
18	Back cover	Aluminum alloy
19	Tie-rod	Carbon steel
20	Tie-rod nut	Carbon steel

Dimensions

SCT



Bore size\Item	A	AB	AC	AD	AE	AF	AG	B	D	DA	E	EA	F	FA	H	K	KA	KB	M	MA	P	PA	PB
32	233	47	186	27.5	27.5	55	38	45	12	32	M10×1.25	22	17	6	10	M6×1.0	14.5	33	28	15	1/8"	14	5.5
40	235	49	186	27.5	27.5	55	38	50	16	34	M12×1.25	24	17	7	14	M6×1.0	14.5	37	32	15	1/4"	15	6
50	243	57	186	27.5	27.5	55	38	62	20	42	M16×1.5	32	23	8	17	M6×1.0	14.5	47	38	15	1/4"	17	8.5
63	249	57	192	27.5	27.5	55	41	75	20	42	M16×1.5	32	23	8	17	M8×1.25	14.5	56	38	15	3/8"	15	9.5
80	296	75	221	33	33	73	41	94	25	54	M20×1.5	40	26	10	22	M10×1.5	17	70	47	21	3/8"	19.5	10
100	308	75	233	33	33	73	47	112	25	54	M20×1.5	40	26	10	22	M10×1.5	17	84	47	21	1/2"	16.5	11

Note: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.