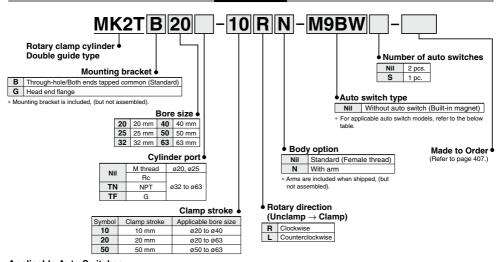
Rotary Clamp Cylinder: Double Guide Type

MK2T Series

Ø20, Ø25, Ø32, Ø40, Ø50, Ø63

How to Order



Applicable Auto Switches/Refer to pages 941 to 1067 for further information on auto switches.

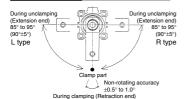
		Electrical	ight	Wiring	L	oad volta	age		Auto swit	ch model		Lea	d wir	e ler	igth	(m)	Pre-wired	A 1																				
Type	Special function	entry	ndicator light	(Output)	D	С	AC		odicular ø32 to ø63	In-		0.5 (Nil)	1 (M)	3 (L)	5 (Z)	None (N)	connector		icable ad																			
			-	3-wire (NPN)		5 V.		M9			9N	•	_	•	0	_	0																					
		Grommet		3-wire (PNP)		12 V		M9PV M9P	•	Ι-	•	ō	<u> </u>	ō	IC circuit																							
등				2-wire		12 V	1	M9	BV	M	9B	•	_	•	0	_	0	_	1																			
switch		Connector		2-wire		12 V		_	J79C	-	-	•	_	•	•	•	_																					
o s	Diagnostic indication		1	3-wire (NPN)		5 V,		M9N	1WV	M9	NW	•	•	•	0	 -	0	IC circuit																				
auto	(2-color indicator)			3-wire (PNP)		12 V		M9F	PWV	M9	PW	•	•	•	0	_	0	io circuit	Relay,																			
ig e	(2 color indicator)	indicator)	Yes	2-wire	24 V	12 V	_	M9E		M9		•		•	0	_	0	_	PLC																			
state	(2-color indicator) Grommet		3-wire (NPN)		5 V,			AV*1		IA*1	0	0	•	0	_	0	IC circuit																					
Solid		Grommet		3-wire (PNP)		12 V			AV*1		PA*1	0	0	•	0	_	0	10 circuit																				
Š		´		┙		2-wire		12 V		M9B	AV*1	M9E	3A*1	0	0	•	0	_	0	_																		
	Diagnostic output (2-color indicator)]																					4-wire		5 V, 12 V		-	_	_	F79F	•	_	•	0	_	0	IC circuit	
	Magnetic field resistant			2-wire		_		-	_)WA***	•	_	•	•	_	•	_																				
	(2-color indicator)			(No polarity)				-		_	P4DW**		_	•	•	_	0																					
switch			V	3-wire (NPN equivalent)	_	5 V	_	A9	6V	A	96	•	-	•	_	_	–	IC circuit	_																			
š		Grommet	res			_	200 V	_	A72	_	A72H	•	_	•	_	_	_																					
o						12 V	100 V	A93	V*2	A	93	•	•	•	•	_	_	-																				
auto			No	2-wire		5 V, 12 V	100 V or less	A9	0V	A	90	•	_	•	_	_	_	IC circuit	Relay,																			
Reed		Connector	Yes	2-WIIE	24 V	12 V	_	_	A73C	-		•	E	•	•	•		_	PLC																			
æ		CUITECIO	No]		5 V, 12 V	24 V or less	_	A80C	-	-	•	<u> </u>	•	•	•	_	IC circuit]																			
	Diagnostic indication (2-color indicator)	Grommet	Yes			_	_	_	A79W	-	-	•	_	•	_	_	_	_																				

- *1 Water resistant type auto switches can be mounted on the above models, but in such case SMC cannot guarantee water resistance.
- Consult with SMC regarding water resistant types with the above model numbers.
- *2 1 m type lead wire is only applicable to D-A93.
- * Lead wire length symbols: 0.5 m ······· Nii (Example) M9NW 1 m ······ M (Example) M9NWM (Example) M9NWM
 - 1 m M (Example) M9NWM 3 m L (Example) M9NWL 5 m Z (Example) M9NWZ
- * Solid state auto switches marked with "O" are produced upon receipt of order.
- ** For D-P4DW, ø40 to ø63 are available.
- ** Only D-P4DW type is assembled at the time of shipment.
 *** The D-P3DWA□ is mountable on bore size ø25 to ø63.
- None N (Example) J79CN
- * Since there are other applicable auto switches than listed, refer to page 413 for details.
 * For details about auto switches with pre-wired connector, refer to pages 1014 and 1015.
- * When D-M9\(\text{V}\)/M9\(\text{W}\)/M9\(\text{A}\)/A9\(\text{V}\)/A9\(\text{V}\) types with 632 to 650 are mounted on a side other than the port side, order auto switch mounting brackets separately. Refer to base 414 for details.
- * Auto switches are shipped together (not assembled).

Rotary Clamp Cylinder: Double Guide Type **MK2T** Series



Rotary Angle





Made to Order: Individual Specifications (For details, refer to page 415.)

Symbol	Description
-X1859	With head end pin hole

Made to Order

Click here for details

Symbol	Specifications
-XC89	Spatter resistant coil scraper, Lube-retainer, Grease for welding (Piston rod: S45C)
-XC91	Spatter resistant coil scraper, Grease for welding (Piston rod: S45C)

Option/Arm

Bore size (mm)	Part no.	Accessories			
20	MK-A020Z	Clamp bolt,			
25	WIN-AUZUZ	Hexagon socket			
32	MK-A032Z	head cap screw,			
40		Hexagon nut,			
50	MK-A050Z	Spring washer			
63	MK2T-A063	-, 3			

Mounting Bracket/Flange

Bore size (mm)	Part no.	Accessories
20	CQS-F020	
25	CQS-F025	
32	MK2T-F032	Hexagon socket
40	MK2T-F040	head cap screw
50	MK2T-F050	
63	MK2T-F063	

Specifications

Bore size (mm)	20	25	32	40	50	63		
Action	Double acting							
Rotation angle Note 1)			90	° ±5°				
Rotary direction Note 2)		CI	ockwise, Co	unterclock	wise			
Rotary stroke (mm)	1	9	2	9		33		
Clamp stroke (mm)		10	20		20), 50		
Theoretical clamp force (N) Note 3)	100	185	300	525	825	1300		
Fluid				Air				
Proof pressure			1.5	MPa				
Operating pressure range			0.1 to	1 MPa				
Ambient and fluid temperature	Without auto switch: -10 to 70°C (No freezing)							
Ambient and fluid temperature	With auto switch: −10 to 60°C (No freezing)							
Lubrication	Non-lube							
Piping port size	M5	x 0.8	Rc1/8, NP	T1/8, G1/8	Rc1/4, N	PT1/4, G1/4		
Mounting	Throu	gh-hole/Bot	th ends tapp	ed commo	n, Head e	nd flange		
Cushion	Rubber bumper							
Stroke length tolerance			•	1.0 0				
Piston speed	50 to 200 mm/s							
Non-rotating accuracy (Clamp part)	±1	.0°		±0	.5°			

Note 1) Refer to "Rotary Angle" figure.

Note 2) Direction of rotation viewed from the rod end when the piston rod is retracting. Note 3) At 0.5 MPa.

Theoretical Output

							Unit: N
Bore size	Rod size	Operating	Piston area		Operating pre	essure (MPa)	
(mm)	(mm)	direction	(cm ²)	0.3	0.5	0.7	1.0
20	12	R	2	60.8	100	139	200
20	12	Н	3	90.2	30.8 100 139 30.2 149 208 30.2 149 208 30.2 185 258 39 245 341 32 300 418 43 400 557 99 525 731 30 625 870 32 825 1149 36 980 1365 30 1300 1820	298	
25	12	R	3.7	112	185	258	370
25	12	Н	4.9	149	245	341	490
32	16	R	6	182	300	418	600
32	16	Н	8	243	400	557	800
40	16	R	10.5	319	525	731	1050
40	10	Н	12.5	380	625	870	1250
50	20	R	16.5	502	825	1149	1648
30	20	Н	19.6	596	980	1365	1961
63	25	R	26	780	1300	1820	2600
03	25	Н	31.2	948	1560	2172	3121

.....

Note) Theoretical output (N) = Pressure (MPa) x Piston area (cm²) x 100

Operating direction R: Rod end (Clamp) H: Head end (Unclamp)

Weight/Through-hole Mounting

						Unit: g
Clamp stroke			Bore siz	ze (mm)		
(mm)	20	25	32	40	50	63
10	367	448	806	1008	_	_
20	433	520	914	1127	2049	2609
50	_	_	_	_	2672	3354

Additional Weight

						Unit: g
Bore size (mm)	20	25	32	40	50	63
With arm	100	100	200	200	350	600
Head end flange (including mounting bolt)	133	153	166	198	345	531

Calculation: (Example) MK2TG20-10RN

• Standard calculation: MK2TB20-10R 367 g
• Extra weight calculation: Head end flange With arm 100 g

With arm 600 q



MK

MK2T

CK□1

CLK2

CLKG

CKQ

CK C

|CKQ□



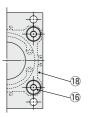
MK2T Series

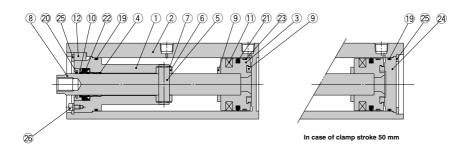
Construction

MK2T□20 to 63

With arm (N)

Head end flange (G)





Component Parts

	iiponenti art		
No.	Description	Material	Note
1	Rod cover	Structural steel	
2	Cylinder tube	Aluminum alloy	
3	Piston	Aluminum alloy	
4	Bushing	Oil-impregnated sintered alloy	ø20, 25
4	busining	Bronze casted	ø32 to 63
5	Guide shaft	Stainless steel	ø20, 25
3	Guide Shart	Structural steel	ø32 to 63
6	Guide roller	Structural steel	
7	Retaining ring	Steel for special applications	ø20, 25
,	netalling fing	Steel for Special applications	ø32 to 63
8	Piston rod	Stainless steel	ø20, 25
۰	Piston rou	Structural steel	ø32 to 63
9	Bumper	Urethane	
10	Seal retainer	Aluminum alloy	
11	Magnet	_	
12	Key	Structural steel	

Component Parts

	nponont i ait	•	
No.	Description	Material	Note
13	Arm	Structural steel	
14	Clamp bolt	Structural steel	
15	Hexagon nut	Structural steel	
16	Hexagon socket head cap screw	Structural steel	
17	Spring washer	Steel wire	
18	Flange	Structural steel	
19	Gasket	NBR	
20	Coil scraper	Bronze	
21	Piston seal	NBR	
22	Rod seal	NBR	
23	Wear ring	Resin	
24	Bottom plate	Aluminum alloy	
25	Retaining ring	Steel for special applications	
26	Hexagon socket head cap screw (with SW)	Structural steel	
20	Washer	Stainless steel	ø25, ø32 only
	Hexagon socket head cap screw	Structural steel	

Replacement Parts: Seal Kit

Hopiacomone	topiacomont i artoi ecai itti										
Bore size (mm)	20	25	32	40	50	63					
Kit no. MK2T20-PS MK2T25-PS MK2T32-PS MK2T40-PS MK2T50-PS MK2T6											
Content	Set of nos above (19 20 20 20										

^{*} Seal kit includes (9, 20, 2). Order the seal kit, based on each bore size.



Rotary Clamp Cylinder: Double Guide Type **MK2T** Series

Be sure to read this before handling the products. Refer to back page 50 for Safety Instructions and pages 3 to 12 for Actuator and Auto Switch Precautions.

Clamp Arm Mounting

1. Use a clamp arm that is available as an option. To fabricate a clamp arm, make sure that the allowable bending moment and the inertial moment will be within the specified range. If a clamp arm that exceeds the specified value is installed, the internal mechanism in the cylinder could become damaged.

Ensuring Safety

1. If one side of the piston is pressurized by supplying air with the clamp arm attached, the piston will move vertically while the clamp arm rotates. This operation could be hazardous to personnel, as their hands or feet could get caught by the clamp arm, or could lead to equipment damage. Therefore, it is important to secure as a danger zone a cylindrical area with the length of the clamp arm as its radius, and the stroke plus 20 mm as its height.

Installation and Adjustment/ Clamp Arm Removal and Reinstallation

1. During the removal or reinstallation of the clamp arm, make sure to use a wrench or a vise to secure the clamp arm before removing or tightening the bolt.

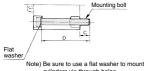
This is to prevent the bolt tightening torque from being applied to the piston rod, which could damage the cylinder's internal mechanism.

Mounting Bolt for MK2TB

Mounting: Mounting bolt for through-hole type is available.

Refer to the following for ordering procedures. Order the actual number of bolts that will be used.

Example) CQ-M5 x 115 L 4 pcs.



cylinders via through-holes.

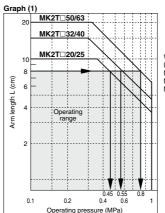
Cylinder model	С	D	Mounting bolt part no.
MK2TB20-10	11	115	CQ-M5 x 115 L
MK2TB20-20	11	135	CQ-M5 x 135 L
MK2TB25-10	8.5	115	CQ-M5 x 115 L
MK2TB25-20	8.5	135	CQ-M5 x 135 L
MK2TB32-10	11.5	145	CQ-M5 x 145 L
MK2TB32-20	11.5	165	CQ-M5 x 165 L
MK2TB40-10	7.5	145	CQ-M5 x 145 L
MK2TB40-20	7.5	165	CQ-M5 x 165 L
MK2TB50-20	13.5	185	CQ-M6 x 185 L
MK2TB50-50	10	245	CQ-M6 x 245 L
MK2TB63-20	13	185	CQ-M8 x 185 L
MK2TB63-50	14	250	CQ-M8 x 250 L

Precautions for Designing and Mounting Arms

When arms are to be made separately, their length and weight should be within the following range. When mounting the cylinder horizontally, also select within the same operating range as the following items.

1. Allowable bending moment

Use the arm length and operating pressure within Graph (1) for allowable bending moment loaded piston rod.



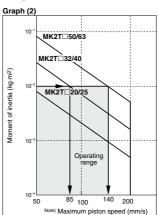


When arm length is 8 cm, pressure should be less than

MK2T□20/25: 0.45 MPa MK2T 32/40: 0.55 MPa MK2T□50/63: 0.8 MPa.

2. Moment of inertia

When the arm is long and heavy, damage of internal parts may be caused due to inertia. Use the inertia moment and cylinder speed within Graph (2) based on arm requirements.



. To attach and detach the arm to and from the piston rod, fix the arm with a wrench or vise and then tighten the bolt.

(If an excessive force is applied in the rotary direction, it may bring about the damage to the internal mechanism.)

Refer to the following table for the tightening torque for mounting.

	(N·m)
Bore size (mm)	Proper tightening torque
20, 25	11.5 to 14.0
32, 40	24 to 30
50	75 to 90
63	106 to 127

When arm's moment of inertia is 1 x 10-2 kg·m2, cylinder speed should be less than MK2T 32/40: 85 mm/s

MK2T 50/63: 140 mm/s

For calculating moment of inertia, refer to pages 404, 405 and 418.

Note) Maximum piston speed is equivalent to approximately 1.6x the average piston speed. (Rough indication)





MK

MK2T

CK□1

CLK2

CLKG

CKQ

CLKQ

CK

CLK

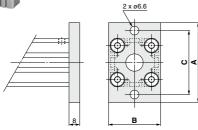
CKQ□

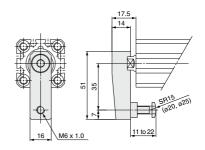


MK2T Series

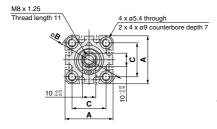


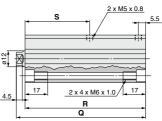
Dimensions: Ø20, Ø25





Head End	(mm)		
Model	Α	В	С
MK2TG20	60	39	48
MK2TG25	64	42	52

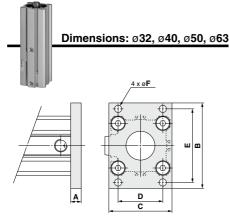


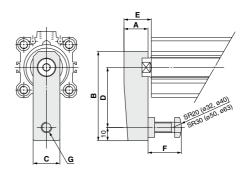


Through-hole/Both Ends Tapped Common (Standard)

			P			((111111)	
Poro cizo	Bore size A	øВ	С	Clam	p stroke 1	0 mm	Clamp stroke 20 mm			
Dore Size	A	. ØB		Q	R	S	Q	R	S	
20	36	47	25.5	116.5	110.5	59	136.5	130.5	69	
25	40	52	28	119	113	59	139	133	69	

Rotary Clamp Cylinder: Double Guide Type **MK2T Series**





Head End Flange Model С D Е MK2TG32 48 34 56 MK2TG40 8 72 54 40 62 MK2TG50

108

MK2TG63

with Arm							(mm)
Model	Α	В	С	D	E	F	G
MK2T□32□-□□N	18	67	20	45	21.5	15 to 25	M8 x 1.25
MK2T□40□-□□N	18	67	20	45	21	15 to 25	M8 x 1.25
MK2T□50□-□□N	22	88	22	65	29.5	20 to 40	M10 x 1.5
MK2T□63□-□□N	32	91	32	65	34.5	20 to 40	M10 x 1.5

I thread length J

S

N

2 x 4 x M thread

A x eG through

C

A x eH counterbore depth

A

P

Q

(mm)

øF

5.5

5.5

9

76 6.6

Through-hole/Both Ends Tapped Common (Standard)

	Inrough-hole/Both Ends Tapped Common (Standard)										(mm)							
Ī	Bore size	Α	øВ	С	D	G	н			v	М	Z	0	Р	øU		٧	
	Dore Size	^	νь	١	U	u	п		,	~	IVI	IN	U	F	٥٥	Nil	TN	TF
	32	45	60	34	14 -0.07	5.5	9 depth 7	M10 x 1.5	12	6	M6 x 1.0	17	14	4.5	16	Rc 1/8	NPT 1/8	G 1/8
ı	40	52	69	40	14 -0.15	5.5	9 depth 7	M10 x 1.5	12	6	M6 x 1.0	17	14	5	16	Rc 1/8	NPT 1/8	G 1/8
	50	64	86	50	17 -0.07	6.6	11 depth 8	M12 x 1.75	15	7	M8 x 1.25	22	19	7	20	Rc 1/4	NPT 1/4	G 1/4
	63	77	103	60	22 -0.07	9	14 depth 10.5	M16 x 2	21	8	M10 x 1.5	28.5	19	7	25	Rc 1/4	NPT 1/4	G 1/4

Bore size	С	amp stro	oke 10 m	m	С	lamp stro	ke 20 m	m	Clamp stroke 50 mm			
Bole Size	Q	R	S	Т	Q	R	S	Т	Q	R	S	Т
32	148	140	74	7.5	168	160	84	7.5	_	_	_	_
40	151.5	144	75	8	171.5	164	85	8	_	_	_	_
50	_	_	_	_	191	179	91.5	12.5	254.5	242.5	121.5	14
63	_	_	_	_	192	182	93	10.5	256	246	123	15

D-□

MK

MK2T

CLK2
CLKG
CKQ

CK□ CLK□

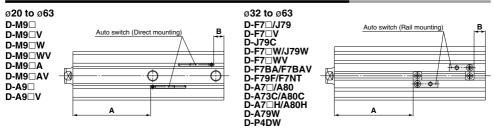
|CKQ□

SMC

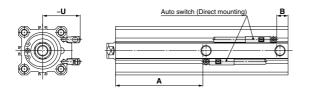
MK2T Series

Auto Switch Mounting

Auto Switch Proper Mounting Position (Detection at Stroke End)



ø25 to ø63 D-P3DWA



Auto switch		P3DW	A
Bore size model	Α	В	U
25	56.5	6.5	33
32	71.5	9	35.5
40	72.5	11.5	39
50-20st	88	17	45
50-50st	118	20.5	45
63-20st	90	18	48.5
63-50st	120	22	48.5

Note) For bore sizes ø32 to ø50, the D-P3DWA is mountable only on the port side.

Mounting		Rail mounting									Direct mounting					
Model	D		D-A7□H D-A73C/ D-F7□/F D-F7□V/ D-F7BAI D-J79W/	A80C 79F/J79 /J79C □/F7□W	D-A	79W	D-P4	1DW	D-M9 D-M9 D-M9 D-M9 D-M9 D-M9	□V □W □WV □A	D-A		D-F	7NT		
	Α	В	Α	В	Α	В	Α	В	Α	В	Α	В	Α	В		
MK2T20	_	_	_	_	_	_	_	_	60.5	9	56.5	5	63	11.5		
MK2T25	_	_	_	_	_	_	_	_	61	11	57	7	63.5	13.5		
MK2T32	73 (73.5)	10.5 (11)	73.5	11	70.5	8	_	_	76	13.5	72	9.5	78.5	16		
MK2T40	74 (74.5)	13 (13.5)	74.5	13.5	71.5	10.5	70	9	77	16	73	12	79.5	18.5		
MK2T50-20st	89.5 (90)	18.5 (19)	90	19	87	16	85.5	14.5	92.5	21.5	88.5	17.5	95	24		
MK2T50-50st	119.5 (120)	22 (22.5)	120	22.5	117	19.5	115.5	18	122.5	25	118.5	21	125	27.5		
MK2T63-20st	91.5 (92)	19.5 (20)	92	20	89	17	87.5	15.5	94.5	22.5	90.5	18.5	97	25		
MK2T63-50st	121.5 (122)	23.5 (24)	122	24	119	21	117.5	19.5	124.5	26.5	120.5	22.5	127	29		

^{* ():} D-A72

Note) When setting an auto switch, confirm the operation and adjust its mounting position.

Auto Switch Mounting MK2T Series

Operating Range

Operating Range (Dimension	s)					(mm)
Auto switch model						
Auto switch model	20	25	32	40	50	63
D-M9□/M9□V	3	3.5	4.5	4.5	5	5
D-M9□W/M9□WV D-M9□A/M9□AV	5.5	5.5	6.5	5.5	6.5	6.5
D-A9□/A9□V	9	9.5	9	9.5	9.5	11
D-F7□/J79 D-F7□V/F79F/J79C D-F7□W/F7□WV D-F79F/F7BA/F7BAV/F7NT	-	_	6	6	6	6.5
D-A7□/A80 D-A7□H/A80H D-A73C/A80C	-	_	9.5	11.5	11	13.5
D-A79W	_	-	6	7	7	9.5
D-P3DWA	_	5.5	6	6	6.5	6.5
D-P4DW		_	_	5	5	5

* Since this is a guideline including hysteresis, not meant to be guaranteed. (Assuming approximately ±30% dispersion.)

There may be the case it will vary substantially depending on an ambient environment.

* Figures for models D-M9 (V), M9 W(V), M9 A(V), and A9 (V) with ø32 or more indicate the operating range when using the current auto switchmounting groove, without using auto switch mounting bracket (BQ2-012).

Other than the models listed in "How to Order", the following auto switches are applicable. For detailed specifications, refer to pages 941 to 1067.

Auto switch type	Model	Electrical entry	Features	Applicable bore size
	D-F7NV, F7PV, F7BV		_	
	D-F7NWV, F7BWV	Grommet (Perpendicular)	Diagnostic indication (2-color indicator)	
	D-F7BAV		Water resistant	
Solid state	D-F79, F7P, J79		_	ø32 to ø63
Soliu State	D-F79W, F7PW, J79W		Diagnostic indication (2-color indicator)	
	D-F7BA	Grommet (In-line)	Water resistant (2-color indicator)	
	D-F7NT		With timer	
	D-P5DW		Magnetic field resistant	ø40 to ø63
	D-A73	Grommet (Perpendicular)	_	
Reed	D-A80	Grommet (Ferpendicular)	Without indicator light	ø32 to ø63
neea	D-A73H, A76H	Grommet (In-line)	_	032 10 003
	D-A80H	Grommet (m-ine)	Without indicator light	

* With pre-wired connector is available for solid state auto switches, too. For details, refer to pages 1014 and 1015.

Normally closed (NC = b contact) solid state auto switches (D-M9□E(V)) are also available. For details, refer to page 1592-1.

MK MK2T

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CK□1

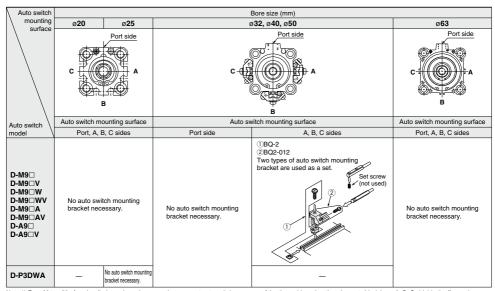
CLK2

CLKG CKQ

CLKO CK□ CLK

|CKQ□

Auto Switch Mounting Bracket/Part No.



Note 1) For ø32 to ø50 of each cylinder series, when mounting compact auto switches on one of the three sides other than the port side (above A, B, C side) in the figure above, a separate auto switch mounting bracket is necessary as shown in the table above, so please order one separately from the cylinder.

(The same is true when mounting compact auto switches with the auto switch mounting rail, not using the compact auto switch mounting groove, for diameters ø63.) Example

MK2TB32-10R-M9BW ···· 1 unit

BQ-2 ····· 2 pcs. BQ2-012 ····· 2 pcs

Note 2) When the cylinder is shipped, an auto switch mounting bracket and auto switch are included in the shipment.

Auto switch model		Bore s	ize (mm)	
Auto switch model	32	40	50	63
D-F7□/J79 D-F7□V D-F7□W/J79W D-F7□W/V D-F7BA/F7BAV D-F79F/F7NT D-A7□/J880 D-A73C/A80C D-A7□H/A80H D-A79W		ВО) -2	
D-P4DW	_		BQP1-050	

Note 3) When the cylinder is shipped, an auto switch mounting bracket and auto switch are included in the shipment. However, ø40 to ø63 with the D-P4DW are assembled at the time of shipment.

[Mounting screw set made of stainless steel]

The set of stainless steel mounting screws (with nuts) described below is available and can be used depending on

the operating environment. (Please order the auto switch spacer BQ-2, since it is not included.)

The "D-F7BA/F7BAV" switch is set on the cylinder with the stainless steel screws above when shipped. When only a switch is shipped independently, "BBA2" screw set is attached

Note 4) When mounting D-M9 \square A(V) anywhere other than the port side of ø32, ø40, ø50, please order auto switch mounting brackets BQ2-012S, BQ-2, and the stainless steel screw set BBA2 separately.

Detailed Contents of Stainless Steel Mounting Screw Set

	2010.101.001.001.001.001.001.001.001.001							
Part	Content			Applicable auto switch mounting	Applicable			
no.	Description	Size	No.	bracket part no.	auto switch			
BBA2	Auto switch mounting screw	M3 x 0.5 x 8 L	1	BQ-1	D-A7			
		M3 x 0.5 x 10 L	1	BQ-2	D-A8			
	Auto switch mounting nut (Square nut)	M3 x 0.5	1	BQ-1	D-F7 D-J7			
	Auto switch mounting nut (Convex type)	M3 x 0.5	1	BQ-2				

Note 5) When using BQ-1, BBA2 may be used by itself

When using BQ-2, BQ-2 and BBA2 should be used together as a set, and used in combination with the auto switch spacer (black resin material) and stainless steel screws.

ØSMC

Auto Switch Mounting Bracket Weight

Mounting bracket part no.	Weight (g)
BQ-1	1.5
BQ-2	1.5
BQ2-012	5
BQP1-050	16

*MK2T Series*Made to Order: Individual Specifications

Please contact SMC for detailed dimensions, specifications and lead times.



1 With Head End Pin Hole

Symbol -**X1859**

How to Order

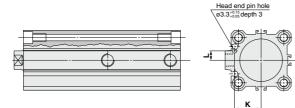
MK2T Standard model no. - X1859

With head end pin hole

Specifications

Applicable series	MK2T		
Bore size	ø32, ø40, ø50, ø63		
Specifications other than above	Same as standard product		

Dimensions



Bore size (mm)	К	L	
32	20 ±0.15	7±0.15	
40	24±0.15	7±0.15	
50	30 ±0.15	8±0.15	
63	35±0.15	9±0.15	
63	35±0.15	9±0.15	

^{*} Dimensions other than above are same as basic type.

MK

MK2T

CK□1

CLKG

CKQ CLKQ

CK□ CLK□

CKQ□

