

# Related Products: Multi-tube Holder **TM Series**

RoHS

- Easy arrangement of tubing  
Easy tube insertion and firm fixation
- Possible to separate options depending on number of connection tubes
- Use of flame resistant resin (Equivalent to UL-94 standard V-0)



## Applicable Tubing

Tubing material	Nylon, Soft nylon, Polyurethane, other soft plastic tubing
Tubing O.D.	ø4, ø6, ø8, ø10, ø12

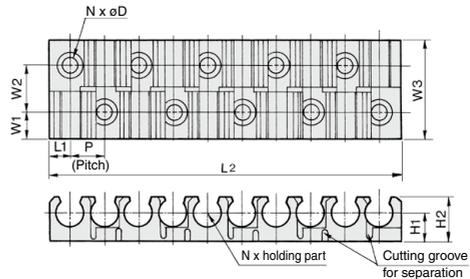
## Model

Applicable tubing O.D. (mm)	Model	No. of connecting tubes (Max.)		
		6	8	12
4	TM-04			●
6	TM-06			●
8	TM-08		●	
10	TM-10	●		
12	TM-12	●		

## Specifications

Ambient temperature	-20 to 60°C		
Material	Flame resistant polypropylene (Equivalent to UL-94 standard V-0)		
Color	Black		
Accessory	For mounting Cross recessed head countersunk tapping screw (Zinc chromated)		
	Model	Size (Nominal x Length)	No. of tubings
	TM-04	2 x 6	4
	TM-06		
	TM-08		
	TM-10	3 x 8	
TM-12			

## Dimensions: Multi-tube Holder



Applicable tubing O.D. (mm)	Model	N (No. of holding parts)	P	L <sub>1</sub>	L <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>	W <sub>3</sub>	H <sub>1</sub>	H <sub>2</sub>	øD	Mounting screw (Nominal x Length)
4	TM-04	12	6	3.25	72.5	4.5	8	17	5	7.5	2.2	2 x 6
6	TM-06	12	7.5	4.5	91.5	5.5	10	21	6.5	10	2.8	2.6 x 8
8	TM-08	8	9.5	5.5	77.5	6	11	23	7.5	12	2.8	2.6 x 8
10	TM-10	6	12.5	7.5	77.5	6.5	12	25	8.8	14.3	3.2	3 x 8
12	TM-12	6	15	9	93	6.5	12	25	9.8	16.3	3.2	3 x 8

## How to Use

### ⚠ Caution

1. Cut the multi-tube holder depending on number of tubes to be connected.

### <Cutting method>



Cut the groove for separation with side cutters.

2. Install the multi-tube holder to the equipment with cross-recessed head, counter-sunk tapping screw.
3. Lay the tube across the gripper and push on the tube.
4. For removing the tubes, pull up the tubes from the gripper.

# Related Products: Multi-holder **TMA Series**



- Can be used to secure the KE□ series exhaust valve with One-touch fitting.
- One-touch fitting New KQ2, union tee, elbow, and straight can also be secured.
- Depending on the number of holders required, they can be separated as desired. (Align the cutter with the cutting groove and cut the holder.)



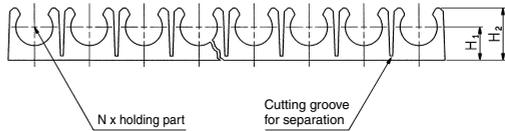
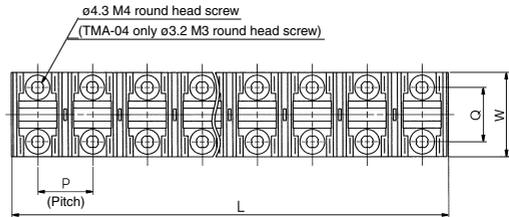
## Specifications

Ambient temperature	-20 to 60°C (No freezing)
Material	Flame resistant polypropylene (Equivalent to UL-94 standard V-0)
Color	Black

## Model

Model	N (Stations)	Applicable exhaust valve	Applicable One-touch fitting		
			Union tee	Union elbow	Straight union
TMA-04	10	—	KQ2T06-00A	KQ2L06-00A	KQ2H06-00A
TMA-06	8	KEA06	KQ2T08-00A	KQ2L08-00A	KQ2H08-00A
		KEB06			
TMA-08	8	KEA08	KQ2T10-00A	KQ2L10-00A	KQ2H10-00A
		KEB08			
		KEC-02			
TMA-10	6	KEA10	KQ2T12-00A	KQ2L12-00A	KQ2H12-00A
		KEB10			
TMA-12	6	KEA12	—	—	—
		KEB12			
		KEC-03			

## Dimensions: Multi-holder



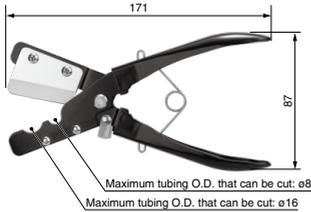
Model	P	L	W	H <sub>1</sub>	H <sub>2</sub>	Q
TMA-04	16.1	160.1	26	10.2	15.5	17.5
TMA-06	19	151	29	11.4	17.9	18.6
TMA-08	21.7	172.5	31.8	12.6	20.3	18.6
TMA-10	25.4	151.2	35	15	24.3	22
TMA-12	28.1	167.3	37	16.2	26.7	22

- KQ2
- KQB2
- KS
- KX
- KM
- KF
- M
- H/DL
- L/LL
- KC
- KK
- KK130
- DM
- KDM
- KB
- KR
- KA
- KQG2
- KG
- KFG2
- MS
- KKA
- KP
- LQ
- MQR
- T
- IDK

# Related Products: Tube Cutter *TK Series*



**Tube Cutter: TK-6**  
**Perpendicular cutting**  
**Air leakage due to cutting failure reduced**  
**Blade is replaceable**  
**Safety lock contained**



Note) Do not use it to cut the metallic materials such as electric wires.

Model	TK-6
Applicable tubing material	Nylon, Soft nylon, Polyurethane, and other soft plastic tubing
Maximum tubing O.D. that can be cut	16 mm or less
Weight	130 g
Replacement blade part no.	TK6KAEHA (5 replacement blades + 2 mounting screws)

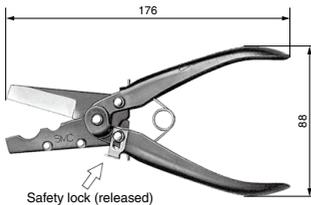
**Tube Cutter: TK-1**  
**Perpendicular cutting**  
**Reduced operating force**  
**Safety lock contained**



Note) Do not use it to cut the metallic materials such as electric wires.

Model	TK-1
Applicable tubing material	Nylon, Soft nylon, Polyurethane, and other soft plastic tubing
Applicable tubing O.D.	13 mm or less
Weight	140 g

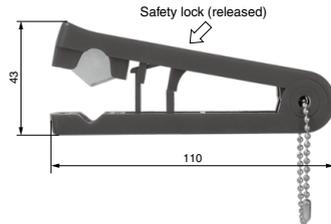
**Tube Cutter: TK-2**  
**Possible to cut a tube up to 18 mm**



Note) Do not use it to cut the metallic materials such as electric wires.

Model	TK-2
Applicable tubing material	Nylon, Soft nylon, Polyurethane, and other soft plastic tubing
Applicable tubing O.D.	18 mm or less
Weight	140 g

**Tube Cutter: TK-3 (Useful type)**  
**Safety lock contained**  
**Blade is replaceable**



Note) Do not use it to cut the metallic materials such as electric wires.

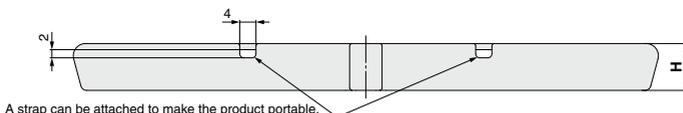
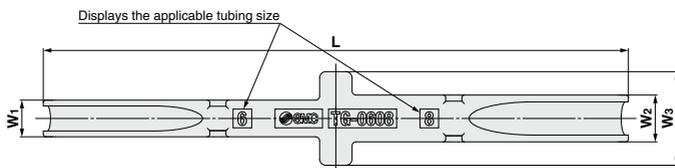
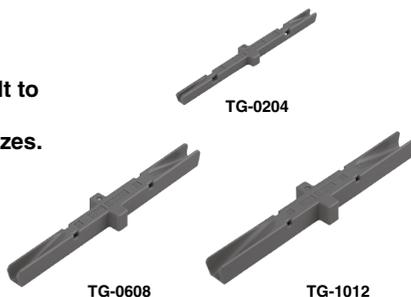
Model	TK-3
Applicable tubing material	Nylon, Soft nylon, Polyurethane, and other soft plastic tubing
Applicable tubing O.D.	12 mm or less
Weight	32 g
Replacement blade part no.	IN-461-4 (10 replacement blades)



# Related Products: Tube Releasing Tool TG-0204/-0608/-1012 Series

- Suitable for use in small spaces where it is difficult to get your hands in.
- One tool is compatible with two different tubing sizes.
- Applicable tubing size:  $\varnothing 2$ ,  $\varnothing 4$ ,  $\varnothing 6$ ,  $\varnothing 8$ ,  $\varnothing 10$ ,  $\varnothing 12$

Model	Applicable tubing size	Color	Weight [g]
TG-0204	$\varnothing 2$ , $\varnothing 4$	Blue	4
TG-0608	$\varnothing 6$ , $\varnothing 8$		11
TG-1012	$\varnothing 10$ , $\varnothing 12$		26

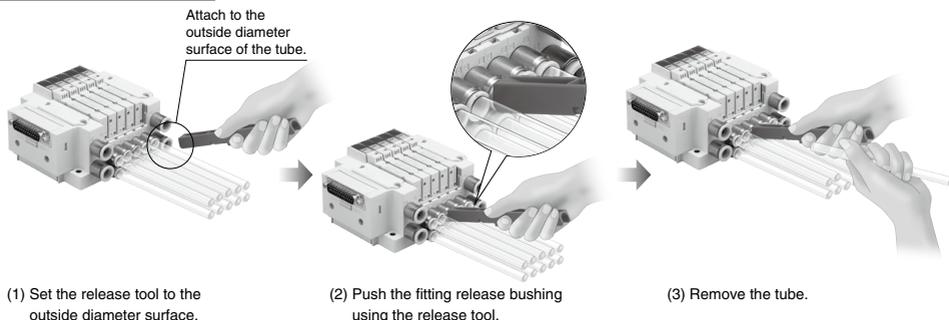


Model	L	W1	W2	W3	H
TG-0204	102.6	5.5	6.5	13	6.5
TG-0608	144.3	9	11.5	23	11.5
TG-1012	186.7	13.6	15.95	31.9	15.95

\* The product does not come with a strap.

## How to Use

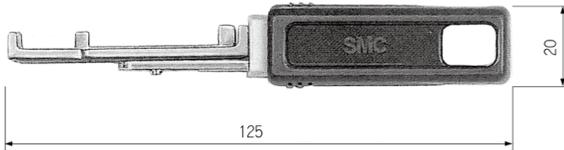
### Tube removal procedure



# Related Products: Tube Releasing Tool **TG Series**



- It is possible to detach the tube from the one-touch fitting one-handed.
- Suitable for use in small spaces where it is difficult to get your hands in.
- One tool is compatible with two different tubing sizes. (Refer to “Size change” below.)



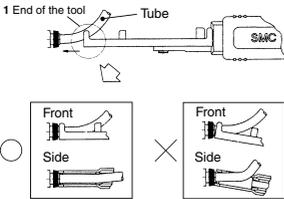
Model	Applicable tubing size		Applicable tubing material	Color	Weight
TG-1	Metric size	ø4, ø6	Nylon, Soft nylon Polyurethane	Blue	33 g
TG-2	Inch size	ø1/8", ø1/4"		Red	

## How to Use

### ⚠ Caution

#### Process

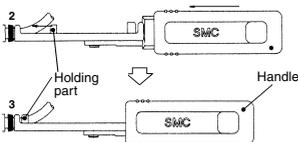
1. Tool edge should be pushed straightforward into the edge of the release button along with the tube in the axial fitting direction.



2. After inserting, grasp the handle tightly and insert the end of the tubing to the stroke end.

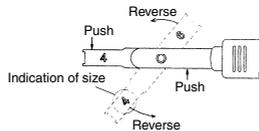
[ Note ] Insert firmly to the guard against an accidental tube release.

3. After inserting end of tube, relax your grip on the tool. Returning force of spring releases the tube.



#### Size change

Push both sides at once to release. Reverse and fix at the same position as before. Applicable tube size is indicated on the back side.

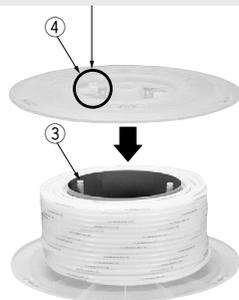
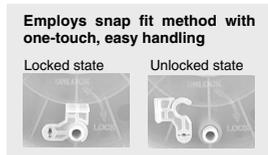
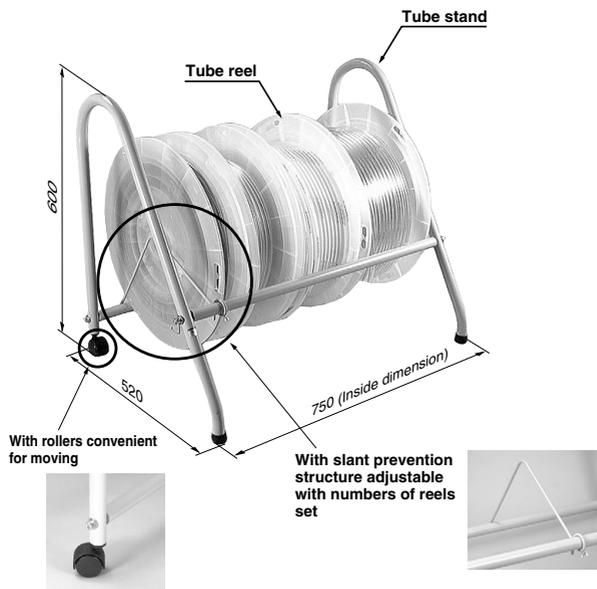


KQ2
KQB2
KS KX
KM
KF
M
H/DL L/LL
KC
KK
KK130
DM
KDM
KB
KR
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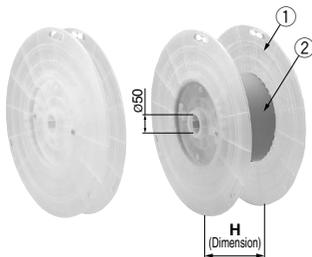
# Related Products: Tube Stand & Tube Reel **TB/TBR Series**



- Compact size without taking up space
- Easy installment just by putting tube reel
- Allows easy refilling and replacing tubes.



## Tube Reel: TBR-1/2/3/4



Applicable tubing size (mm)	Model	H
4, 6	TBR-1	84
		102 (when branch pipe is used)
8	TBR-2	134
10	TBR-3	184
12	TBR-4	234

### Spare Parts

Description	No.	Part no.	Material	Applicable model
Side plate	①	TBR-A167	PP	TBR-1,2,3,4
		TBR-A188		TBR-1
		TBR-A168		TBR-2
Branch pipe	②	TBR-A169	ABS	TBR-3
		TBR-A170		TBR-4
		TBR-A183		TBR-1
		TBR-A184		TBR-2
Fixing rod	③	TBR-A185	ABS	TBR-3
		TBR-A186		TBR-4
		TBR-A187	PP	TBR-1,2,3,4

## Tube Stand: TB-2

