

11mm Snap-In, Insulated and Metal Shaft

Application

- ✓ TV/Video, Audio, Home appliance, Musical instrument

Feature

- ✓ Closed structure helps reducing dust



■Specification

Total Rotational Angle	300±5°
Maximum Operating Voltage	50V AC, 20V DC (RV110TF series is designed for AC voltage only)
Insulation Resistance	100MΩ at DC500V
Dielectric Strength	AC300V for 1 minute
Rotational Torque	20-200 gf.cm (RV110F-40B1: 10-200 gf.cm)
Click Torque	Rotational torque + 20-200 gf.cm (RV110F-40B1: Rotational torque + 10-200 gf.cm)
Rotational Stop Strength of the Shaft	With bushing: 5 kgf.cm min; without bushing: 4kgf.cm min
Push/Pull Strength of the Shaft	6kgf for 3 sec
Rotation Life	15,000 cycles

■How to order

RV110F-20 – 15A - B10K - OC

[Model](#)

[Shaft Type](#)

Taper and Resistance Value

Order Code	Taper	Resistance Value
A100K	Log/A	100KΩ
B1M	Linear/B	1MΩ
C500K	Rev-log/C	500KΩ

Taper: A, B and C

Resistance Value: 1KΩ to 500KΩ and 1MΩ

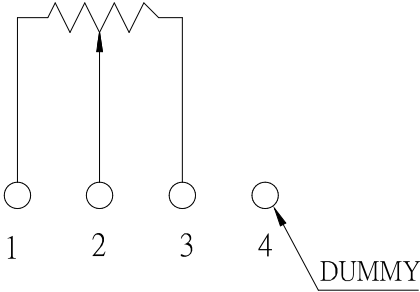
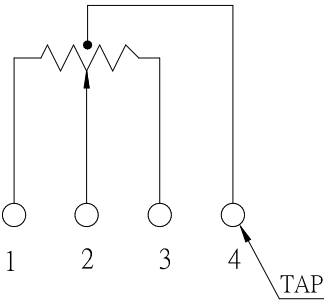
*Contact us for other requirements.

Click

Order Code	Description
Blank	No click
OC	With center click

11mm Snap-In, Insulated and Metal Shaft

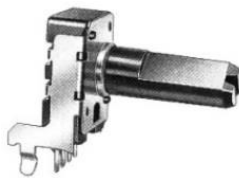
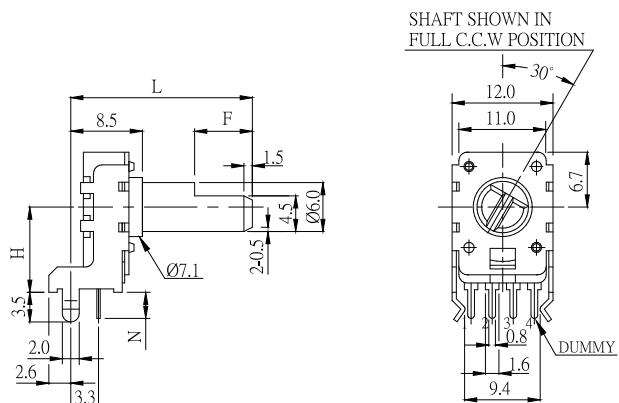
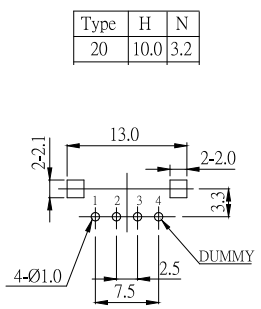
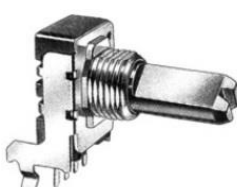
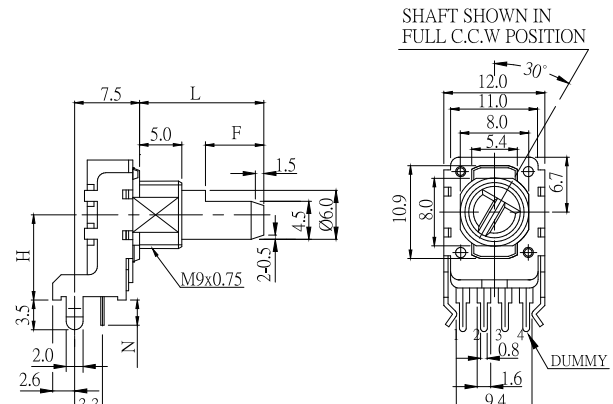
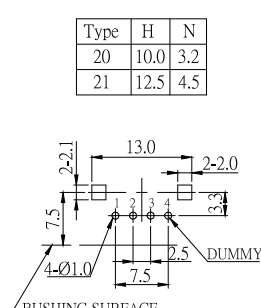
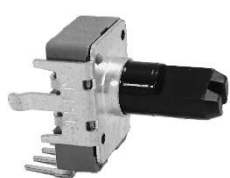
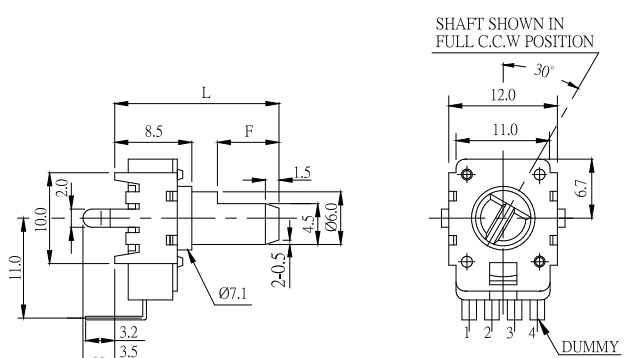
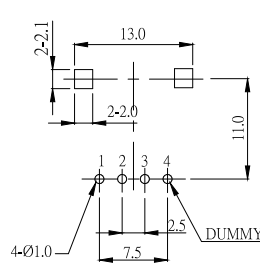
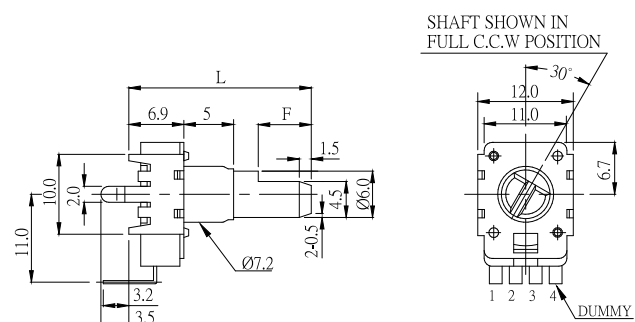
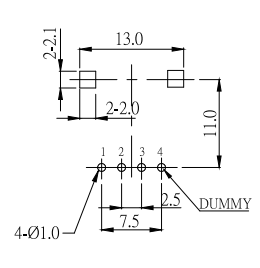
■Model Description

Model Circuit	
RV110	RV110T
	

Model	Number of Unit	Terminal Type	With Sleeve or Bushing	Tap
RV110F-20	Single unit	Horizontal	N/A	N/A
RV110F-20E1	Single unit	Horizontal	Bushing	N/A
RV110F-21E1	Single unit	Horizontal	Bushing	N/A
RV110F-40	Single unit	Vertical	N/A	N/A
RV110CF-40	Single unit	Vertical	Sleeve	N/A
RV110F-40B1	Single unit	Vertical	Bushing	N/A
RV110F-40E1	Single unit	Vertical	Bushing	N/A
RV110TF-20E1	Single unit	Horizontal	Bushing	With tap
RV110TF-40	Single unit	Vertical	N/A	With tap
RV110TCF-40	Single unit	Vertical	Sleeve	With tap
RV110TF-40B1	Single unit	Vertical	Bushing	With tap
RV110TF-40E1	Single unit	Vertical	Bushing	With tap

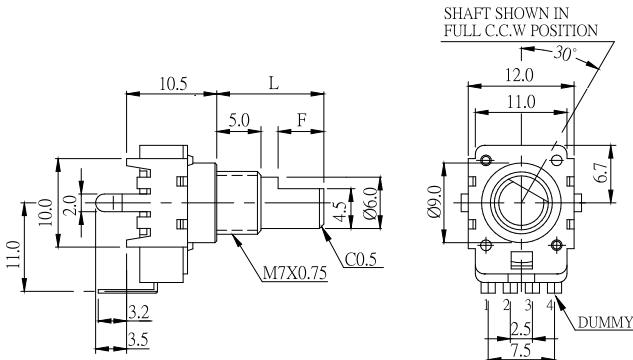
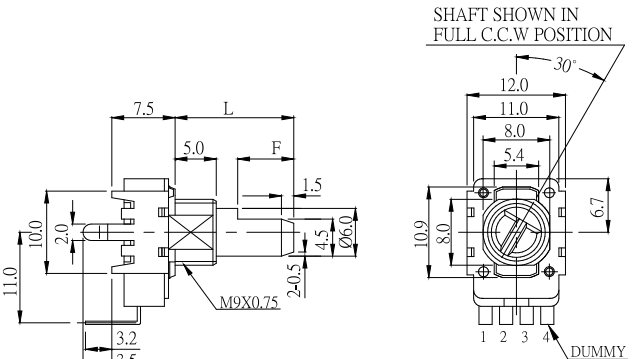
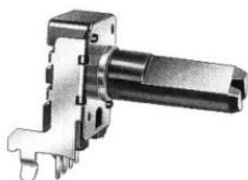
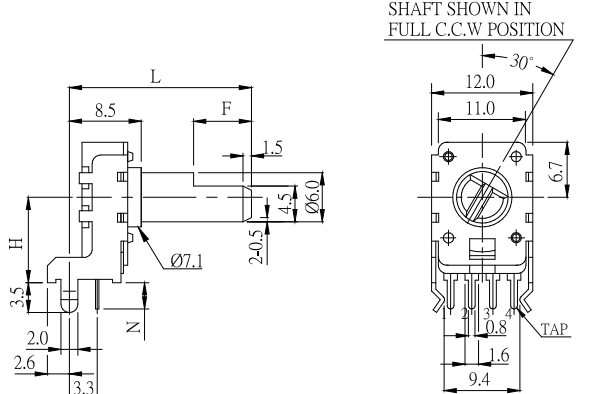
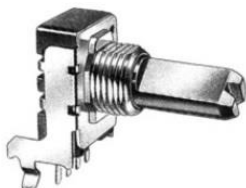
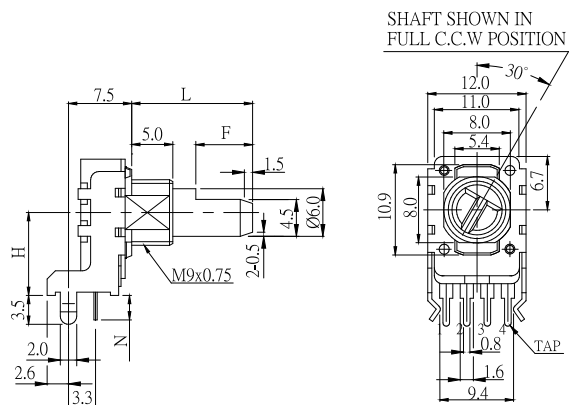
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11mm Snap-In, Insulated and Metal Shaft

Order Code	Outline Drawing											
RV110F-20	 SHAFT SHOWN IN FULL C.C.W POSITION <table><tr><th>Type</th><th>H</th><th>N</th></tr><tr><td>20</td><td>10.0</td><td>3.2</td></tr></table> P.C.B. MOUNTING HOLE DETAIL 			Type	H	N	20	10.0	3.2			
Type	H	N										
20	10.0	3.2										
RV110F-20E1 RV110F-21E1(MOQ:10Kpcs)	 SHAFT SHOWN IN FULL C.C.W POSITION <table><tr><th>Type</th><th>H</th><th>N</th></tr><tr><td>20</td><td>10.0</td><td>3.2</td></tr><tr><td>21</td><td>12.5</td><td>4.5</td></tr></table> P.C.B. MOUNTING HOLE DETAIL 			Type	H	N	20	10.0	3.2	21	12.5	4.5
Type	H	N										
20	10.0	3.2										
21	12.5	4.5										
RV110F-40	 SHAFT SHOWN IN FULL C.C.W POSITION  P.C.B. MOUNTING HOLE DETAIL 											
RV110CF-40	 SHAFT SHOWN IN FULL C.C.W POSITION  P.C.B. MOUNTING HOLE DETAIL 											

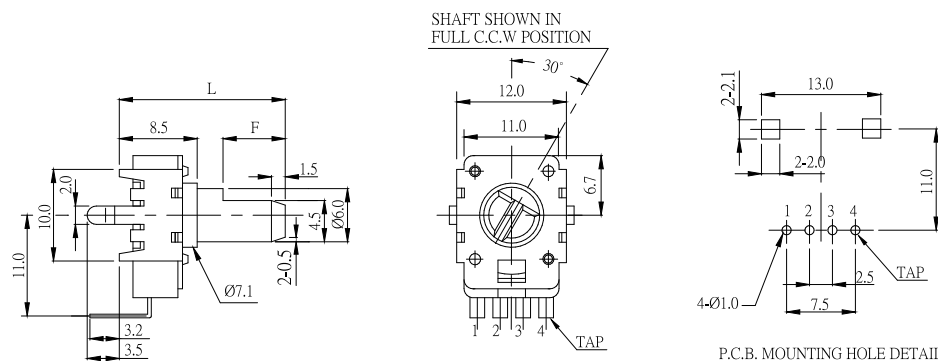
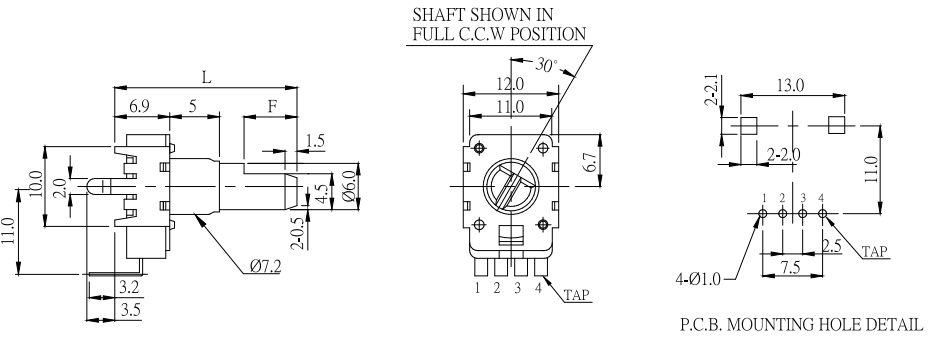
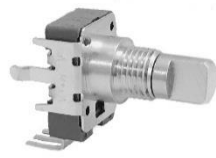
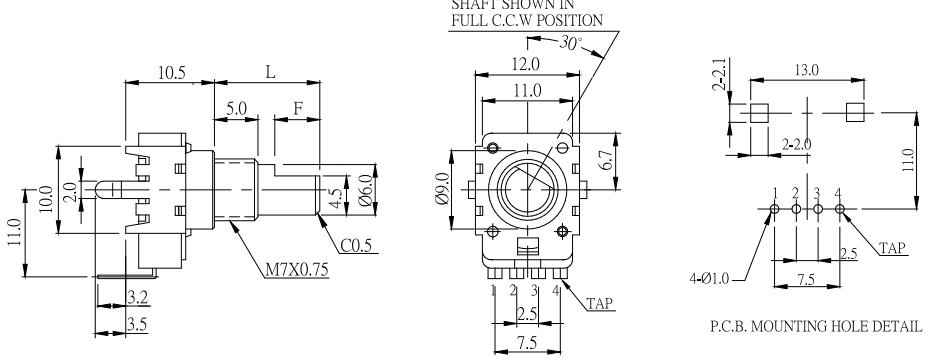
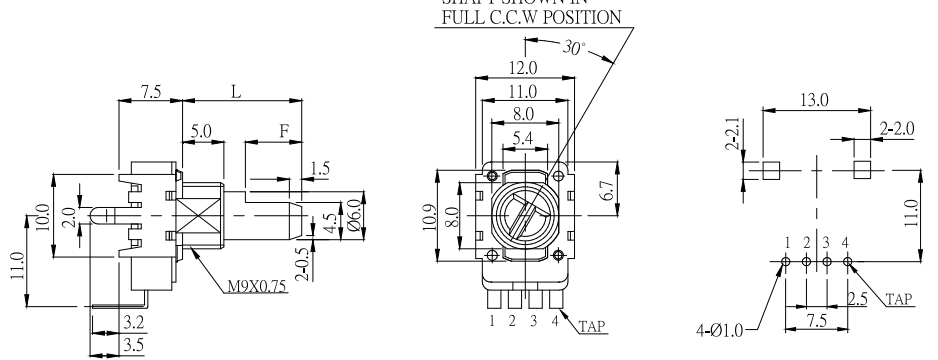
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11mm Snap-In, Insulated and Metal Shaft

Order Code	Outline Drawing									
RV110F-40B1 	 SHAFT SHOWN IN FULL C.C.W POSITION P.C.B. MOUNTING HOLE DETAIL									
RV110F-40E1 	 SHAFT SHOWN IN FULL C.C.W POSITION P.C.B. MOUNTING HOLE DETAIL									
RV110TF-20 	 SHAFT SHOWN IN FULL C.C.W POSITION <table><tr><th>Type</th><th>H</th><th>N</th></tr><tr><td>20</td><td>10.0</td><td>3.2</td></tr></table> P.C.B. MOUNTING HOLE DETAIL	Type	H	N	20	10.0	3.2			
Type	H	N								
20	10.0	3.2								
RV110TF-20E1 RV110TF-21E1 (MOQ:10Kpcs) 	 SHAFT SHOWN IN FULL C.C.W POSITION <table><tr><th>Type</th><th>H</th><th>N</th></tr><tr><td>20</td><td>10.0</td><td>3.2</td></tr><tr><td>21</td><td>12.5</td><td>4.5</td></tr></table> P.C.B. MOUNTING HOLE DETAIL	Type	H	N	20	10.0	3.2	21	12.5	4.5
Type	H	N								
20	10.0	3.2								
21	12.5	4.5								

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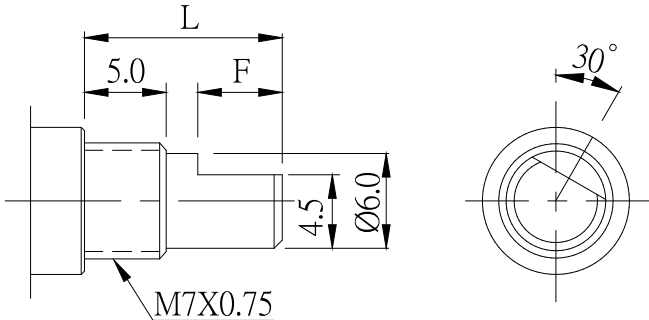
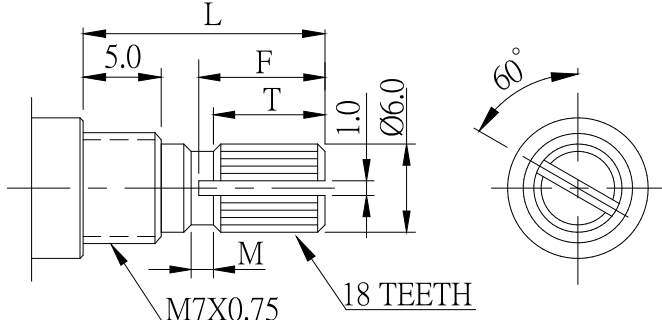
11mm Snap-In, Insulated and Metal Shaft

Order Code	Outline Drawing
RV110TF-40 	SHAFT SHOWN IN FULL C.C.W POSITION  P.C.B. MOUNTING HOLE DETAIL
RV110TCF-40 	SHAFT SHOWN IN FULL C.C.W POSITION  P.C.B. MOUNTING HOLE DETAIL
RV110TF-40B1 	SHAFT SHOWN IN FULL C.C.W POSITION  P.C.B. MOUNTING HOLE DETAIL
RV110TF-40E1 	SHAFT SHOWN IN FULL C.C.W POSITION  P.C.B. MOUNTING HOLE DETAIL

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11mm Snap-In, Insulated and Metal Shaft

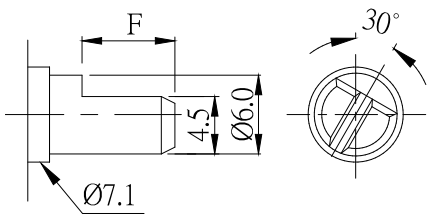
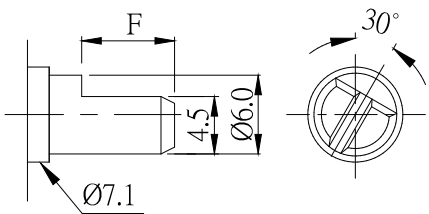
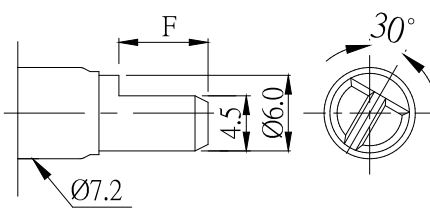
■ Metal Shaft Type

F Type	K Type																																
RV110F-40B1-(L)F RV110TF-40B1-(L)F	RV110F-40B1-(L)K RV110TF-40B1-(L)K																																
																																	
<table><tr><th>Order Code</th><th>15F</th><th>20F</th><th>25F</th></tr><tr><td>L</td><td>15</td><td>20</td><td>25</td></tr><tr><td>F</td><td>7</td><td>12</td><td>12</td></tr></table>	Order Code	15F	20F	25F	L	15	20	25	F	7	12	12	<table><tr><th>Order Code</th><th>15K</th><th>20K</th><th>25K</th></tr><tr><td>L</td><td>15</td><td>20</td><td>25</td></tr><tr><td>F</td><td>7</td><td>12</td><td>12</td></tr><tr><td>T</td><td>6</td><td>10</td><td>10</td></tr><tr><td>M</td><td>1</td><td>2</td><td>2</td></tr></table>	Order Code	15K	20K	25K	L	15	20	25	F	7	12	12	T	6	10	10	M	1	2	2
Order Code	15F	20F	25F																														
L	15	20	25																														
F	7	12	12																														
Order Code	15K	20K	25K																														
L	15	20	25																														
F	7	12	12																														
T	6	10	10																														
M	1	2	2																														

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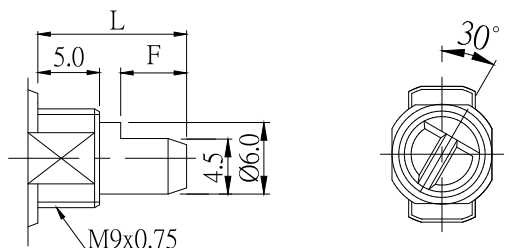
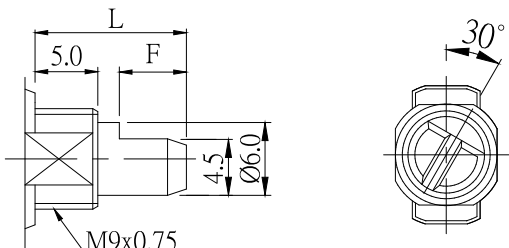
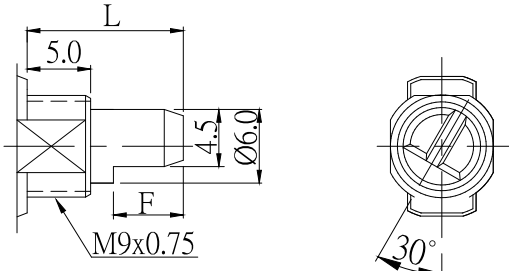
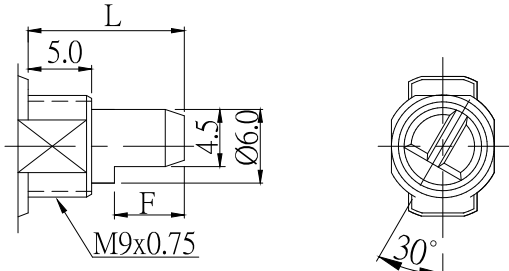
11mm Snap-In, Insulated and Metal Shaft

■ A / AW Plastic Shaft Type

RV110F-20-(L)A RV110TF-20 -(L)A	RV110F-40-(L)A RV110TF-40-(L)A	RV110CF-40-(L)A RV110TCF-40-(L)A
		

Order Code	*15A	20A	225A	25A	275A	30A	325A	35A
L	15	20	21	25	27.5	30	32.5	35
F	4.5	7	7	7	12	12	12	12

**15 mm is not available for RV110CF-40 and RV110CTF-40 models.

RV110(T)F-20E1(21E1)-(L)A	RV110(T)F-40E1-(L)A
	
RV110(T)F-20E1(21E1)-(L)AW	RV110(T)F-40E1-(L)AW
	

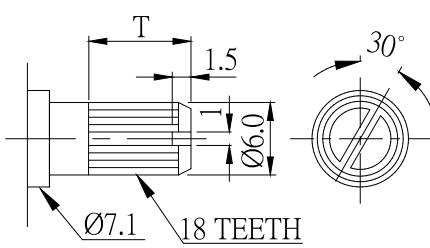
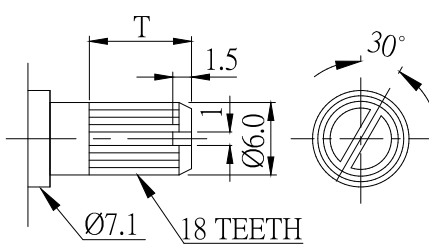
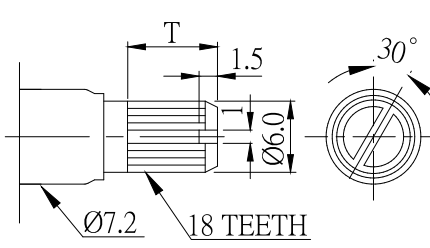
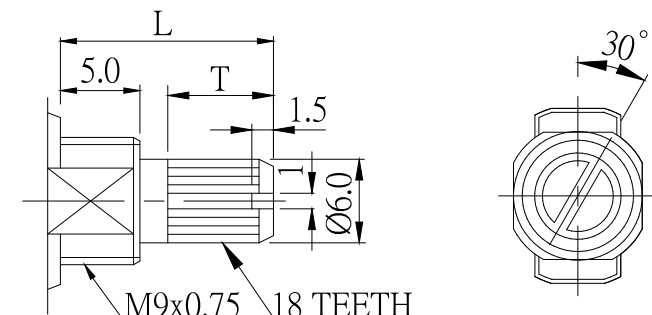
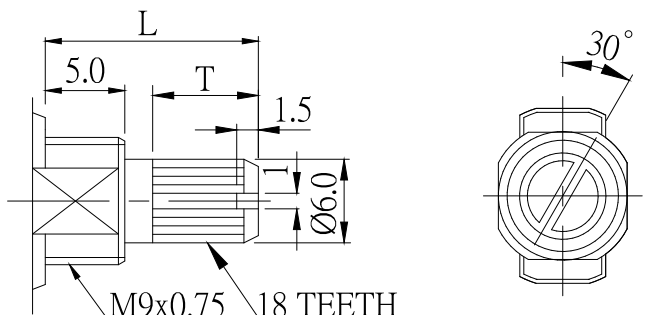
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	125AW	135AW	15AW	175AW	225AW	275AW	29AW
L	12.5	13.5	15	17.5	22.5	27.5	29
F	7	7	7	7*	12	12	12

**17.5mm with F = 7mm is only available for A type, not AW type.

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■ B Plastic Shaft Type

RV110F-20 -(L)B RV110TF-20-(L)B	RV110F-40-(L)B RV110TF-40-(L)B	RV110CF-40-(L)B RV110TCF-40-(L)B															
																	
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Order Code	20B	275B	30B														
L	20	27.5	30														
T	7	12	12														
RV110F-20E1(21E1)-(L)B RV110TF-20E1(21E1)-(L)B	RV110F-40E1-(L)B RV110TF-40E1-(L)B																
																	
<table><tr><td>Order Code</td><td>125B</td><td>20B</td><td>225B</td><td>25B</td></tr><tr><td>L</td><td>12.5</td><td>20</td><td>22.5</td><td>25</td></tr><tr><td>T</td><td>7</td><td>12</td><td>12</td><td>12</td></tr></table>			Order Code	125B	20B	225B	25B	L	12.5	20	22.5	25	T	7	12	12	12
Order Code	125B	20B	225B	25B													
L	12.5	20	22.5	25													
T	7	12	12	12													

Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.

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[RV110F-20E1-15A-B10K-0068](#) [RV110F-40-15B-A10K-0020](#) [RV110F-20-15B-B10K](#) [RV110F-20-15A-B100K](#) [RV110F-](#)
[40-15A-B100K](#) [RV110F-20E1-15A-A100K-0068](#) [RV110F-20-15B-A100K](#) [RV110F-20-15B-B100K](#) [RV110F-40-15B-](#)
[B100K](#) [RV110F-40-15A-B10K](#) [RV110F-20-15A-A100K](#) [RV110F-40E1-15A-A100K-0068](#) [RV110F-40E1-15A-B100K-](#)
[0068](#) [RV110F-40-20B-B10K](#) [RV110F-40-15B-B10K](#) [RV110F-40-15A-A100K](#) [RV110F-40-20B-A100K](#) [RV110F-20-](#)
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