

TRIMMER POTENTIOMETER



CA9

CA9 9mm Carbon Potentiometer



特点

- 长寿命，低成本。
- 优良的防尘结构 没有任何开口部分。
- 力矩小。
- 阻值线性多样化。
- 旋转50%处有定位或整个旋转行程带定位。
- 品种规格多 适用性强

FEATURES

- Carbon resistive element.
- Dust proof enclosure.
- Polyester substrate.
- Also upon request:
 - ◊ Wiper positioned at 50% or fully clockwise.
 - ◊ Supplied in magazines for automatic insertion.
 - ◊ Long life model CA-9...E(10000 cycles)
 - ◊ Housing available in self extinguishable plastic (UL94V0)

机械性能

MECHANICAL SPECIFICATIONS

机械 —Mechanical

旋转角度 rotation angle:240° ± 5°

电气 —Electrical

旋转角度 rotation angle:220° ± 20°

旋转力矩 —Torque: < 2Ncm.

止档强度 —Stop torque:5Ncm

电器性能 ELECTRICAL SPECIFICATIONS

阻值范围 Range of values:

100 Ω ≤ Rn ≤ 5M

阻值误差 Tolerance: 100 Ω ≤ Rn ≤ 1M --- ± 20%

1M ≤ Rn ≤ 5M --- ± 30%

耐电压 Max. Voltage: 200VDC(lin), 150VDC(no lin)

额定功率 Nominal Power 40°C 0.15W(lin) 0.10W(no lin)

线性 Taper: Lin(A); Log(B); Antilog(C)

残留电阻 Residual resistance: Lin, Log, Antilog ≤ 5 * 10⁻³ * Rn

平滑行 Equivalent Noise Resistance: ≤ 3% Rn

环境温度 Operating Temperature: -25°C +70°C

型号命名

HOW TO ORDER

STANDARD

CA-9	L	V	102		A	2020			
序列号 Series	孔的形式 Rotors		阻值 Value	102=100Ω	电阻规律 Taper		寿命 Life	Cut track	Wiper position
CA-9	L LA K Y D M MA MT G			505=5M	A=Lin. (直线) B=Log. (指数) C=Alog. (对数)	2020=20% 3030=30%	E=Extended life	PCI=Initial PCF=Final	PM50% PF=Final position
			安装方式 Mounting Method	H2.5 H3.8 H5 HS3.8 V7.5 V10 VR10 MAV10 MTV10 HSMD VSMD					

OPTIONAL EXTRAS

柄 / 孔的颜色 Shaft/rotor colour
NE=Black
BA=White
IN=Neutral
TA=Transparent
RO=Red
VE=Green
AM=Yellow
AZ=Blue
GS=Grey
MR=Brown



CA9

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HOW TO ORDER CUSTOM DRAWING

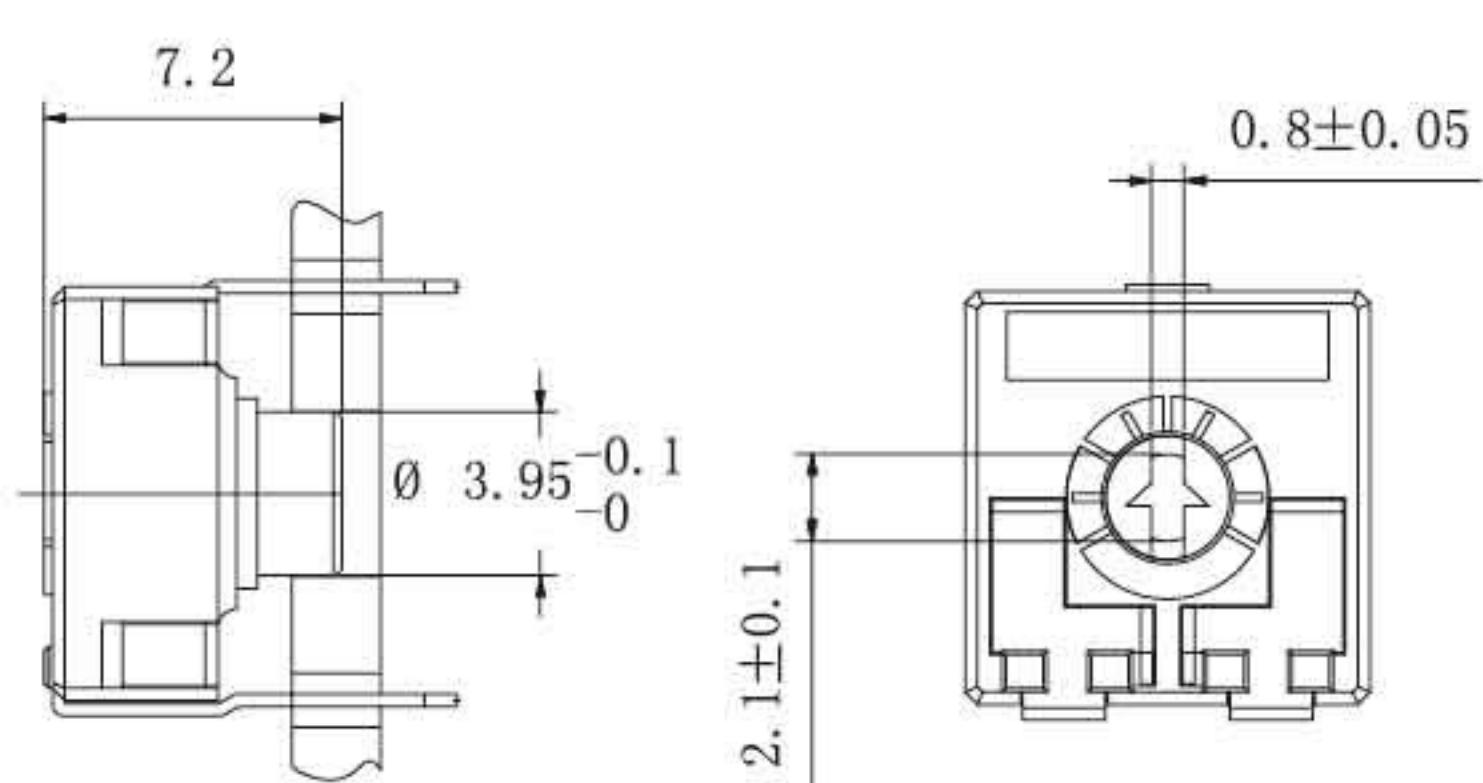
CA9 KV + DRAWING NUMBER (Max.16 characters)

This way of ordering should be used for options which are not included in the "How to order" standard and optional extras

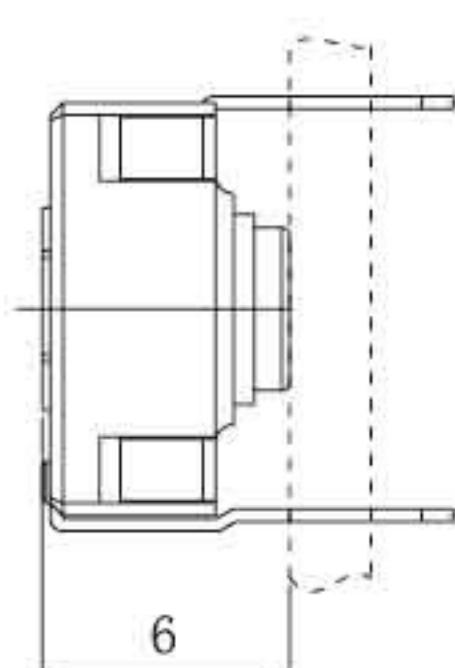
STANDARD OPTIONS

Long life	10000 cycles
Packing.....	Bulk
Rotor colour.....	White
Wiper position	Initial
Crimping	With crimping

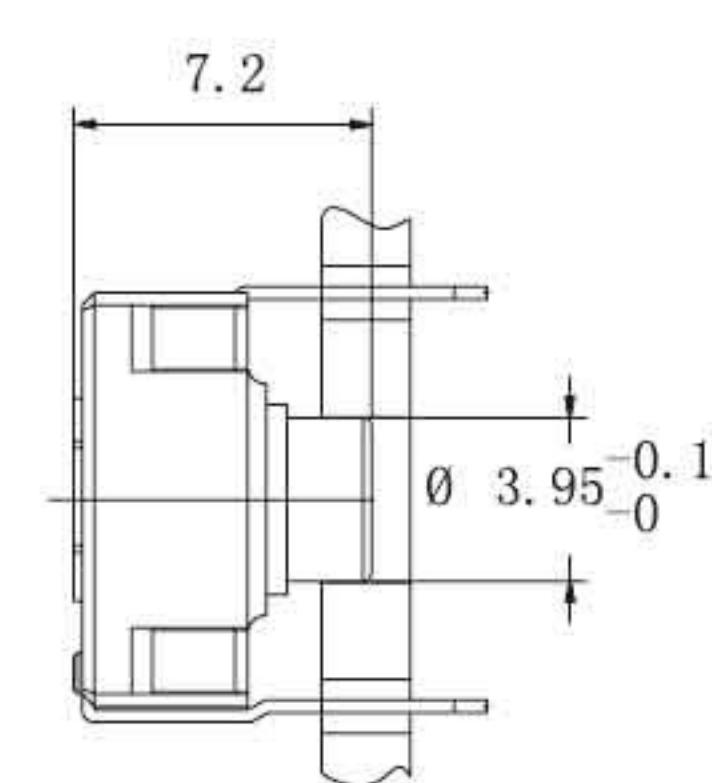
ROTORS (孔的形式)



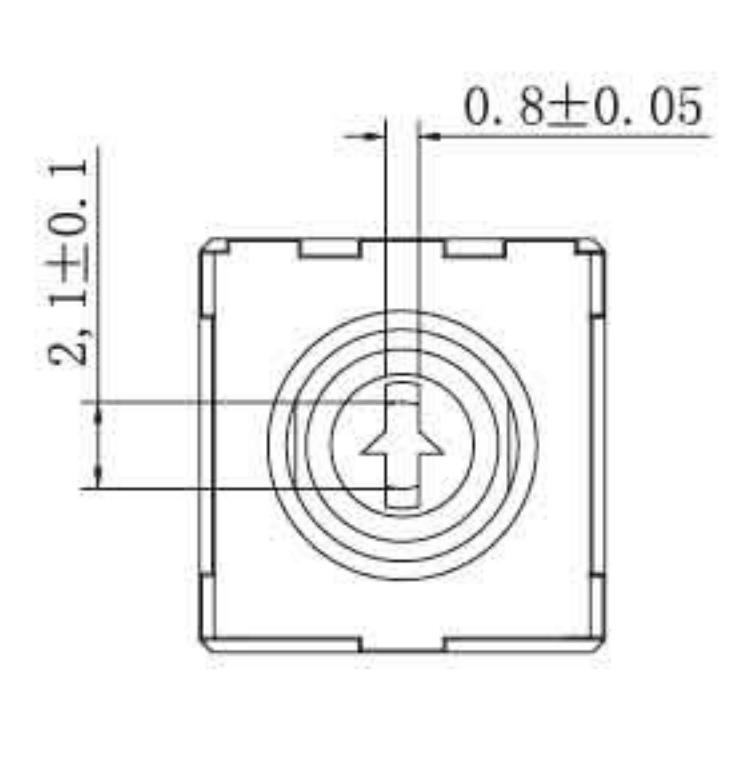
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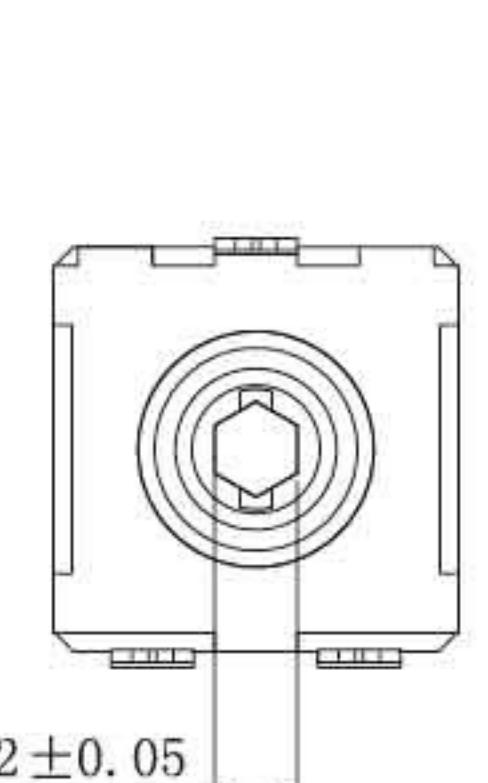
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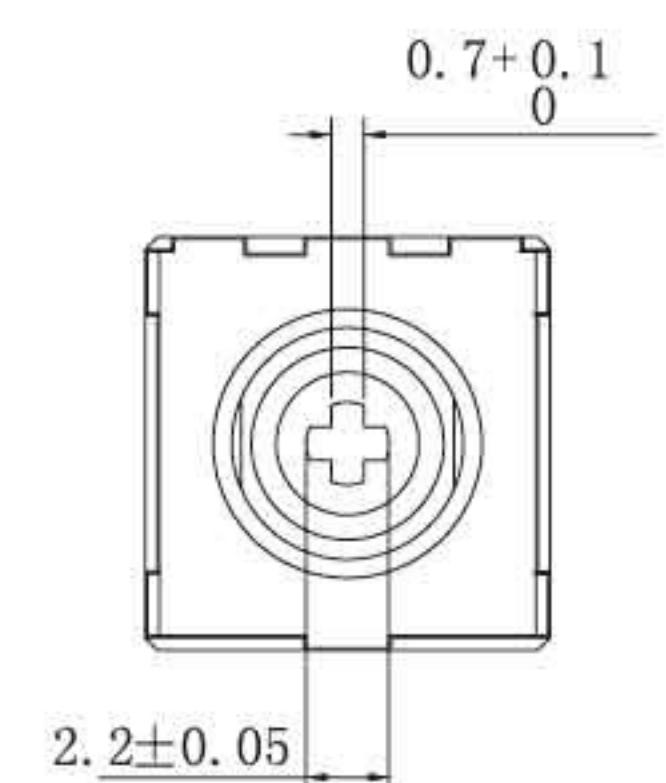
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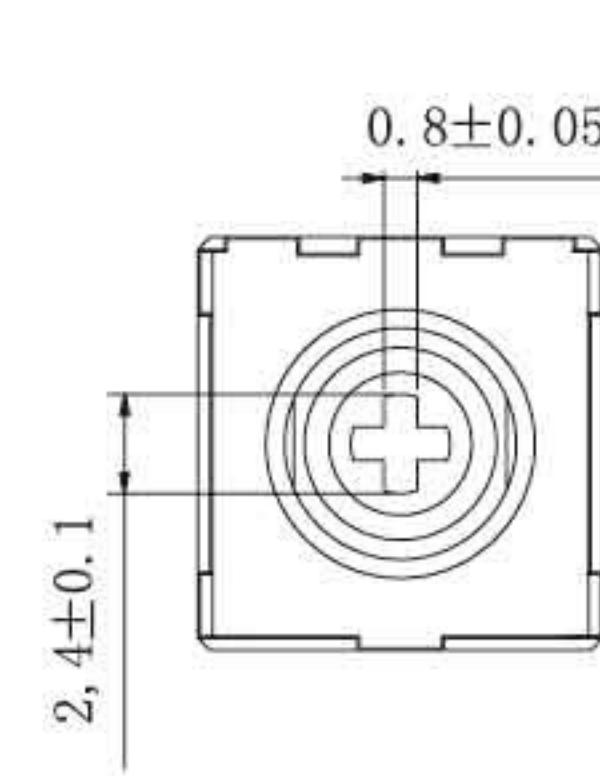
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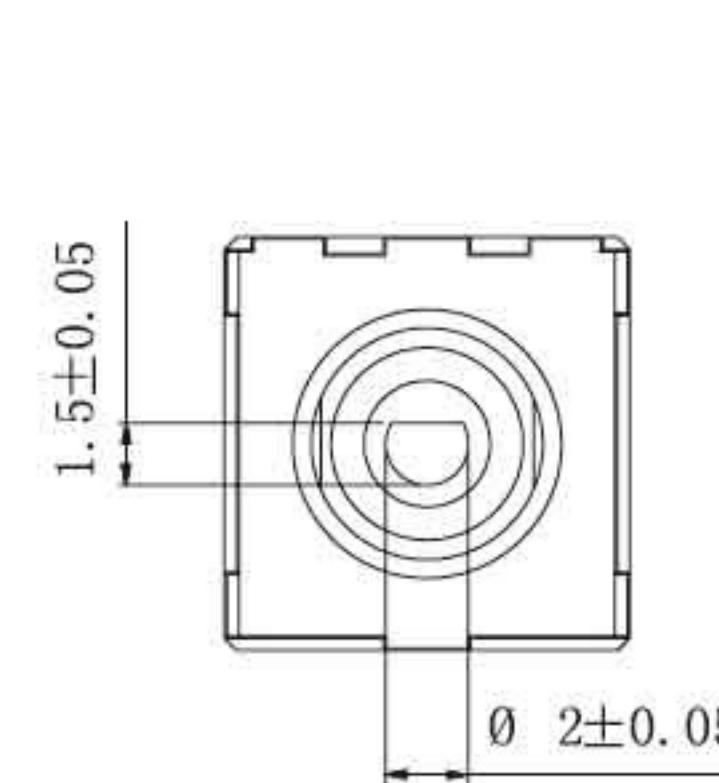
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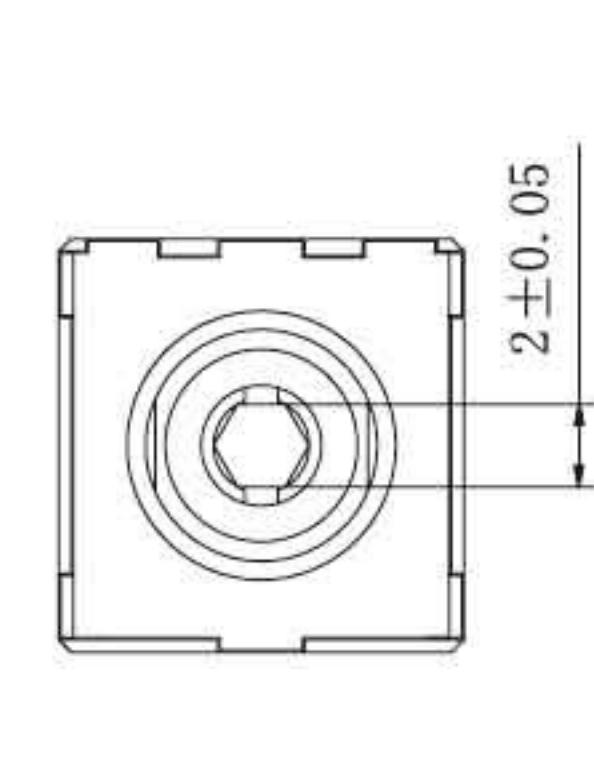
K



Y



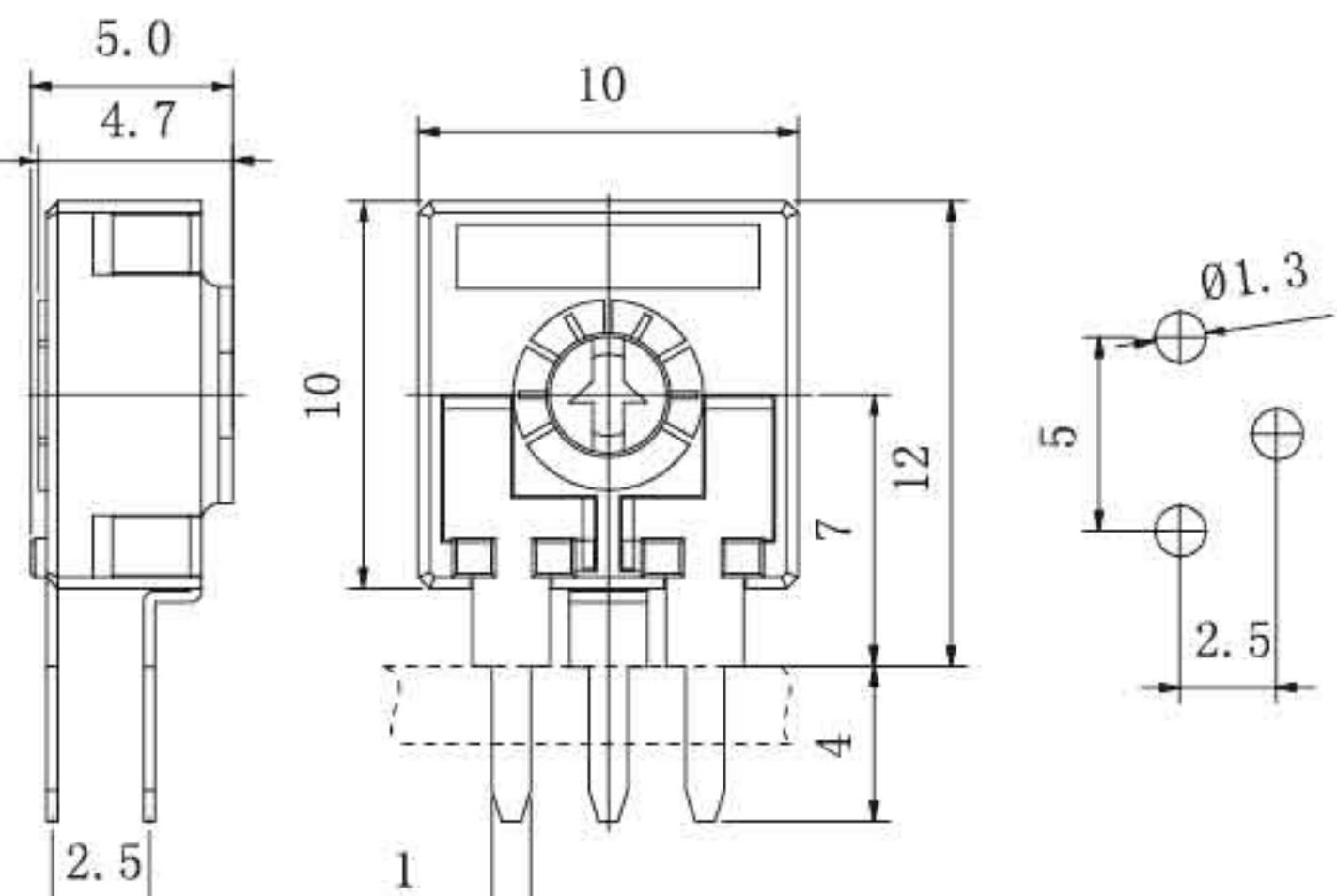
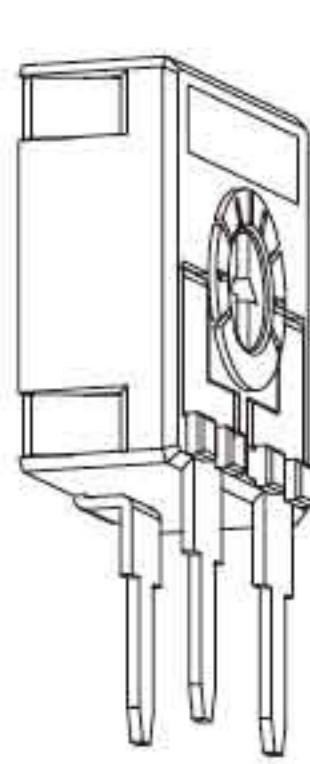
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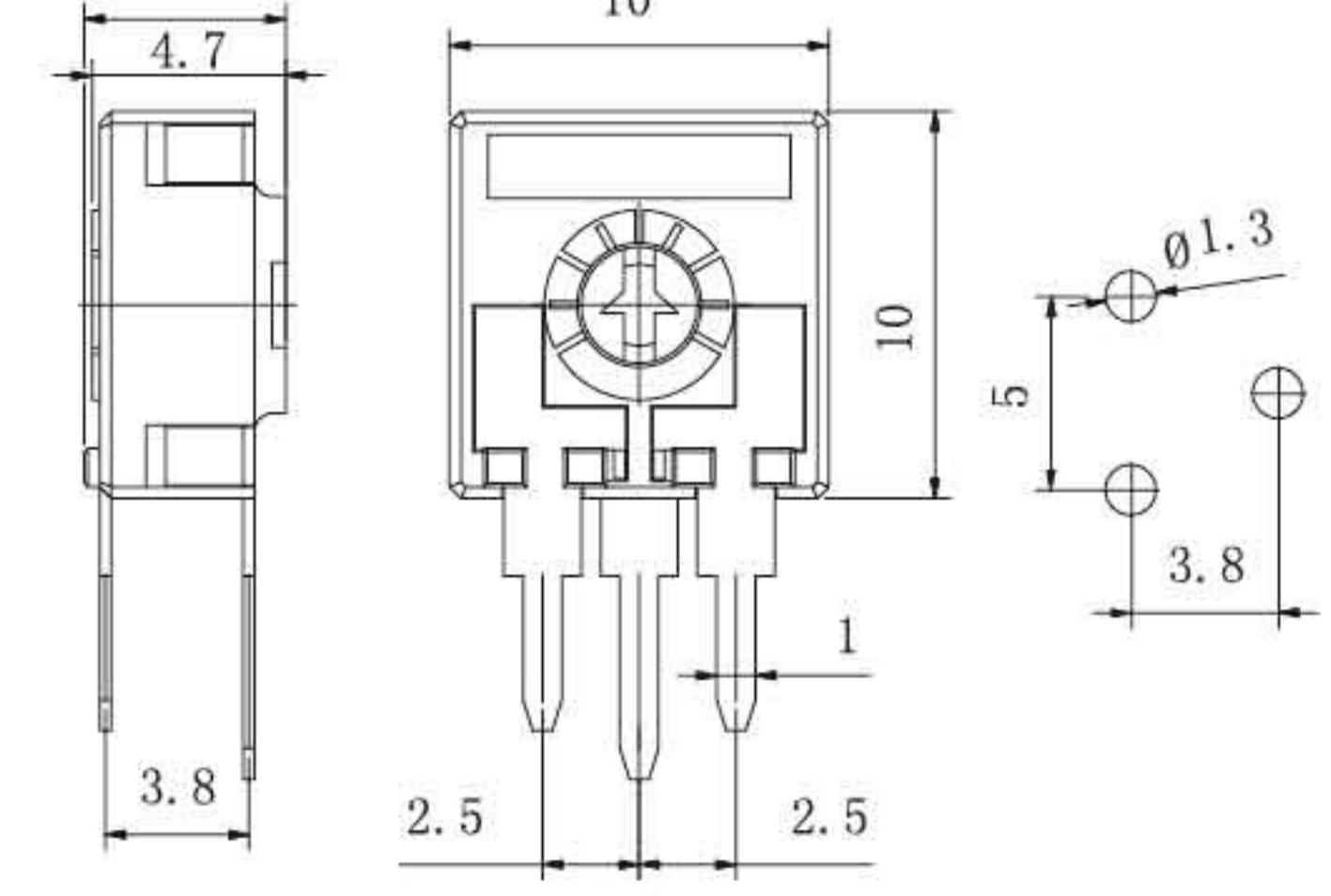
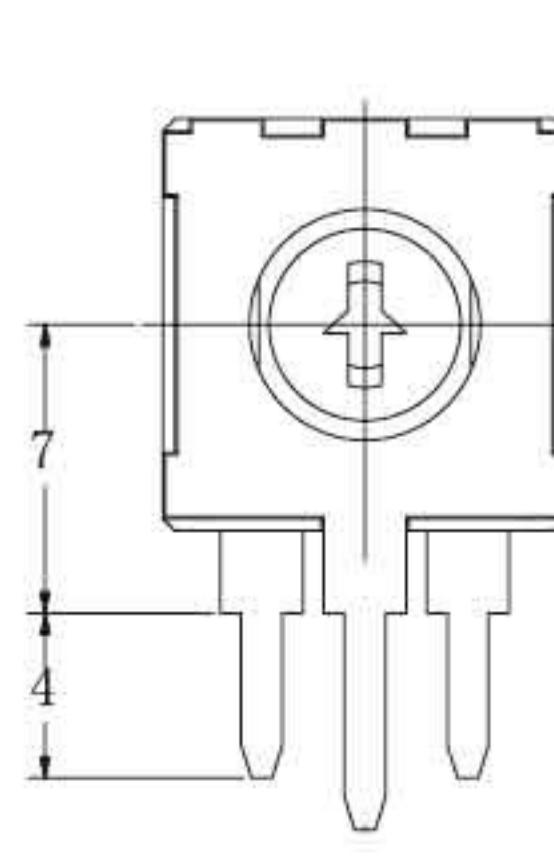
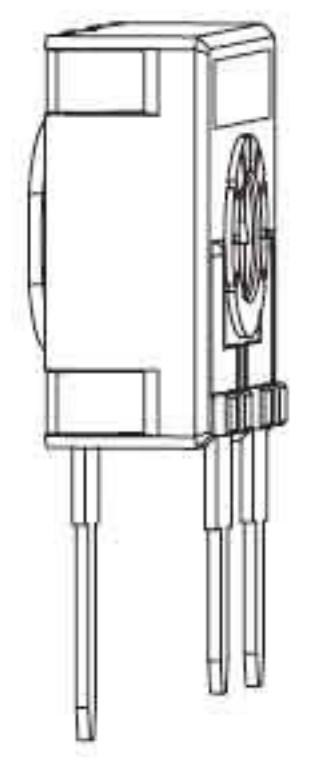
M

MOUNTING METHODS (安装方式)

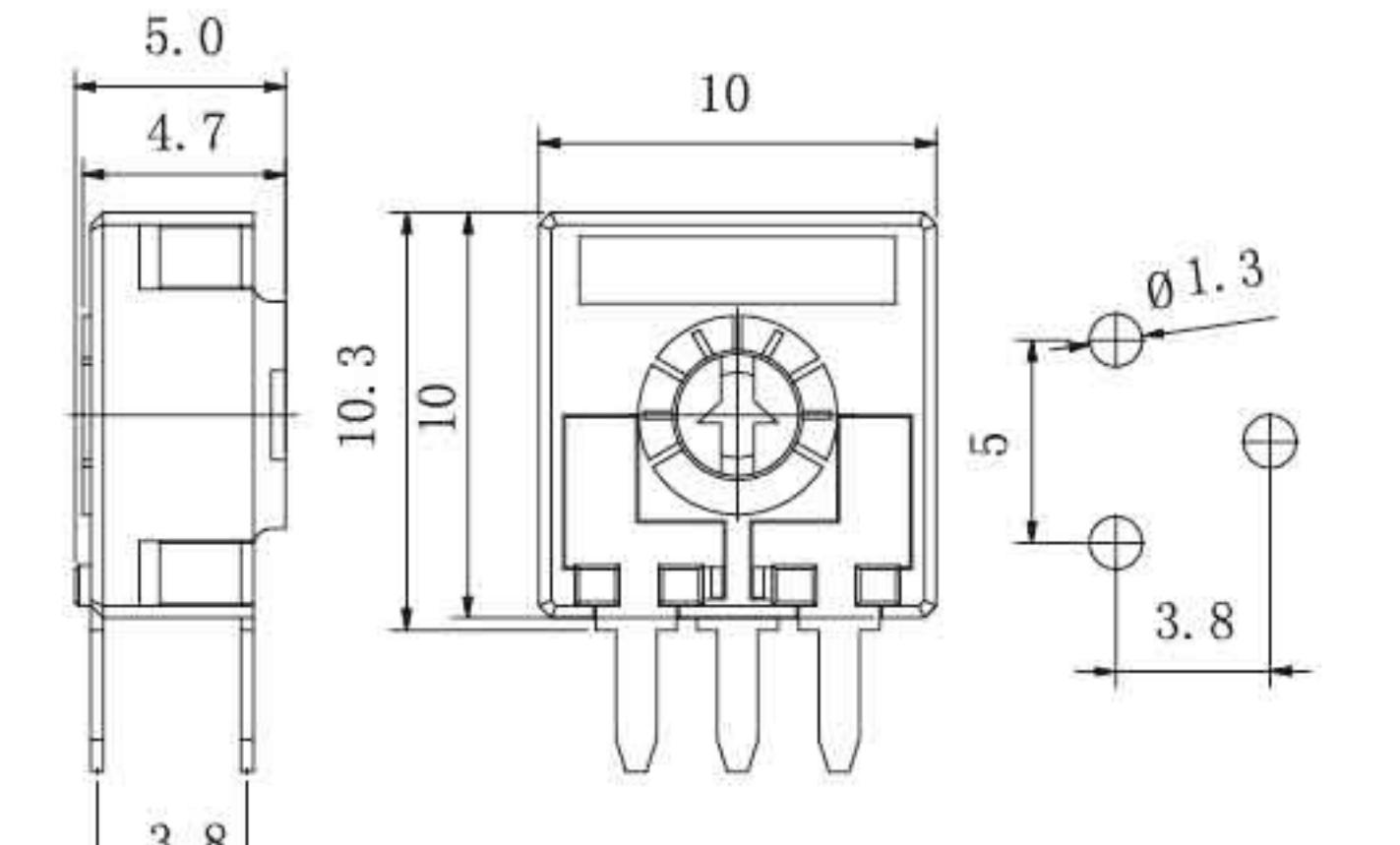
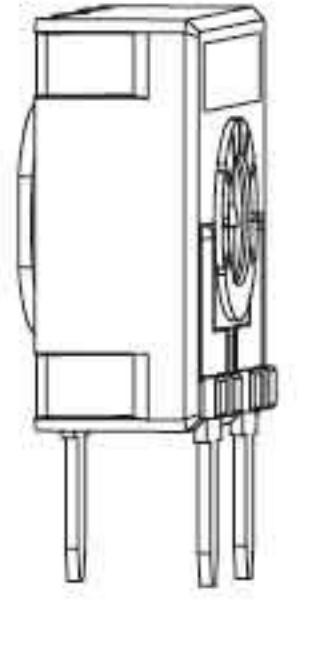
H2.5



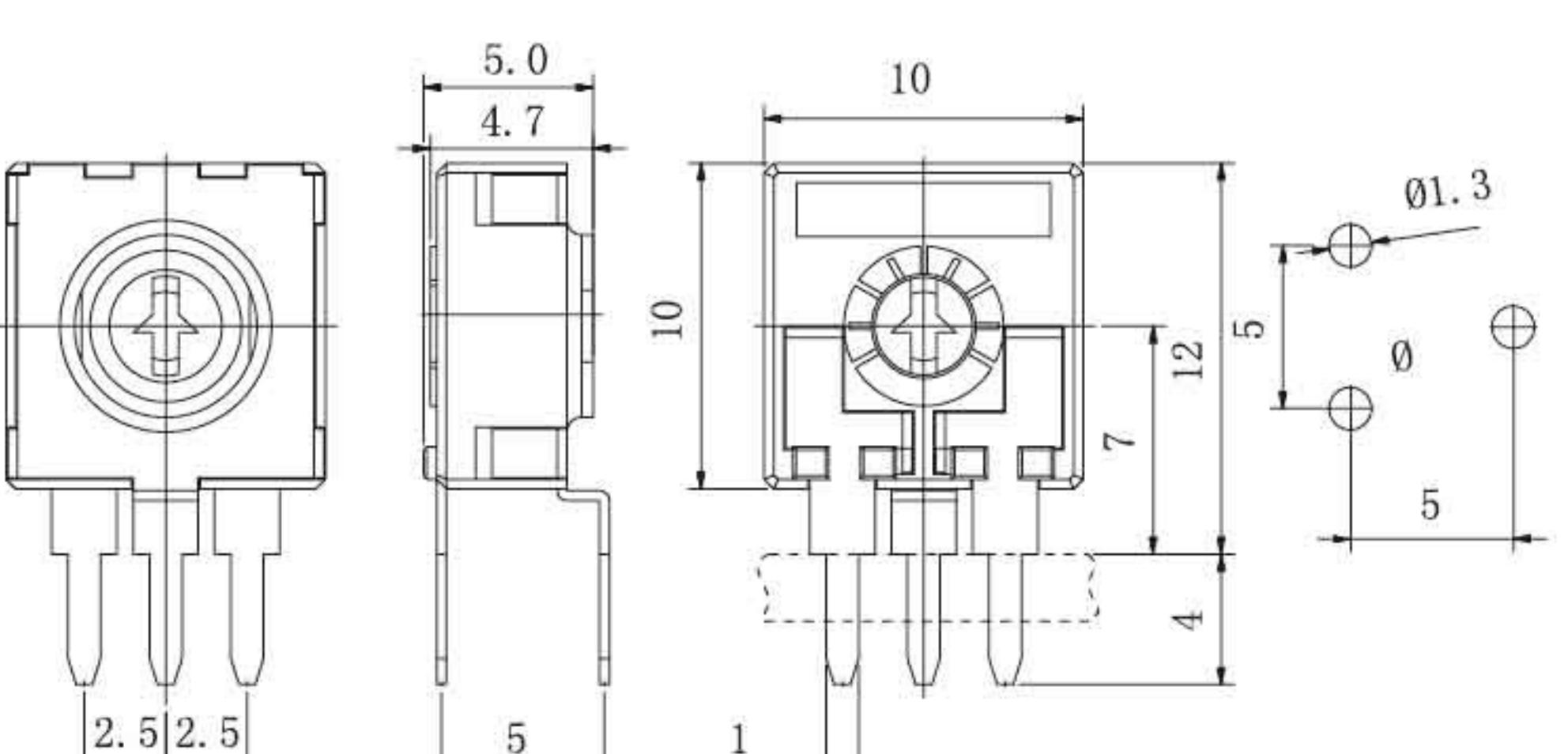
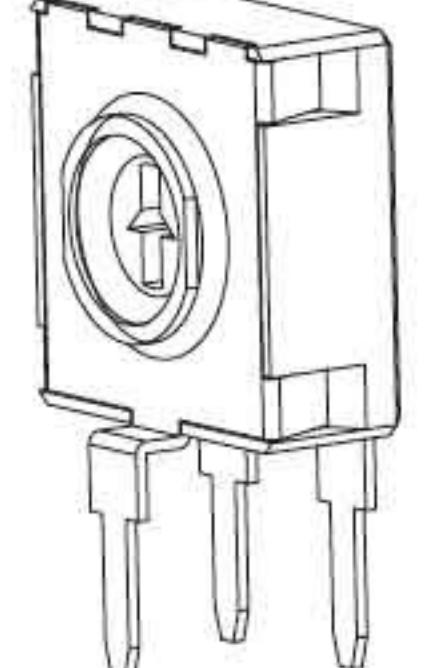
H3.8



HS3.8



H5

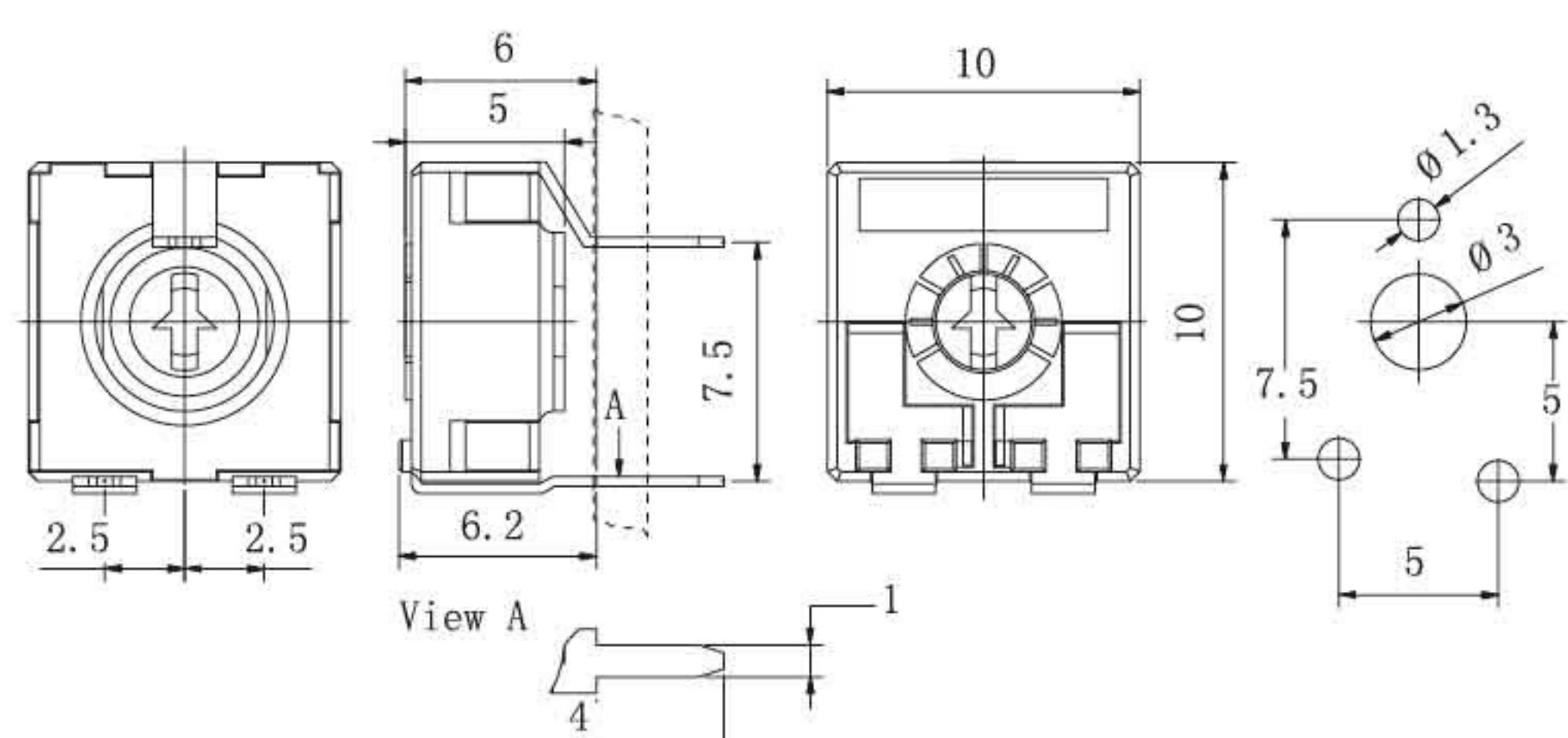
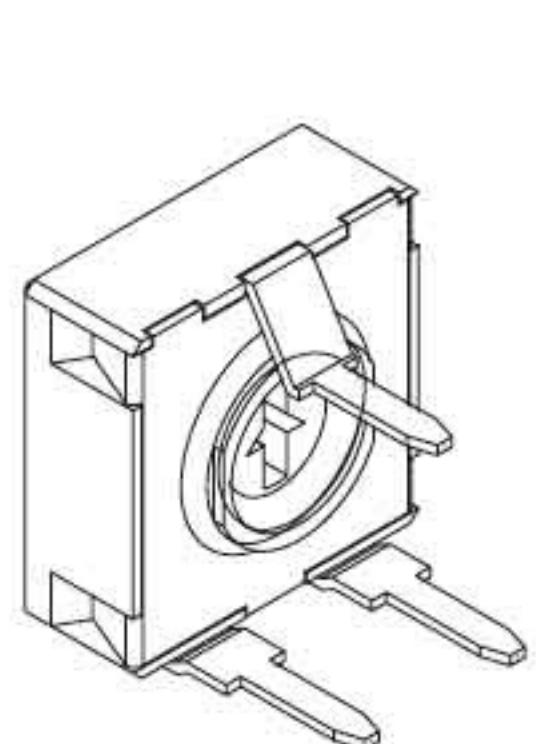


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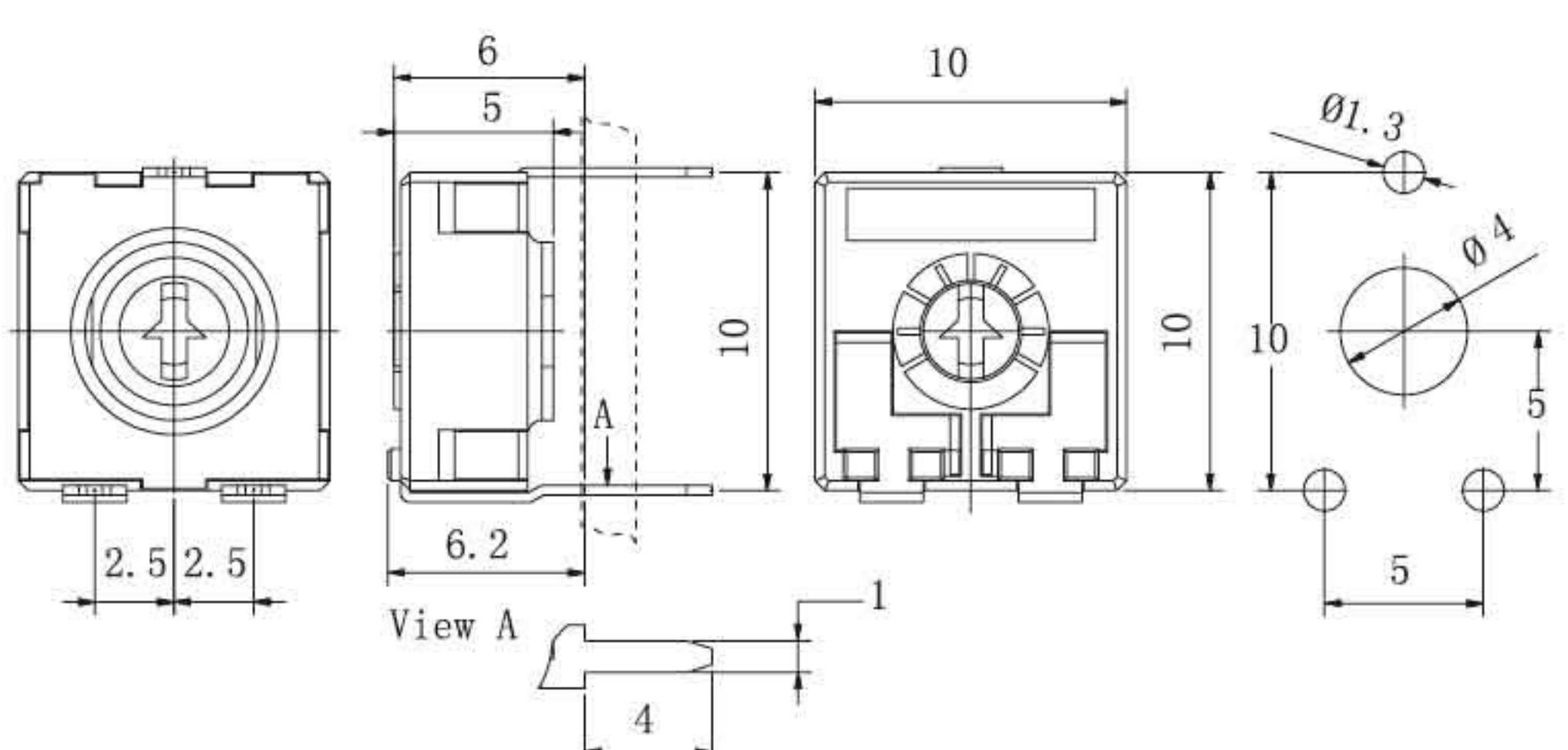
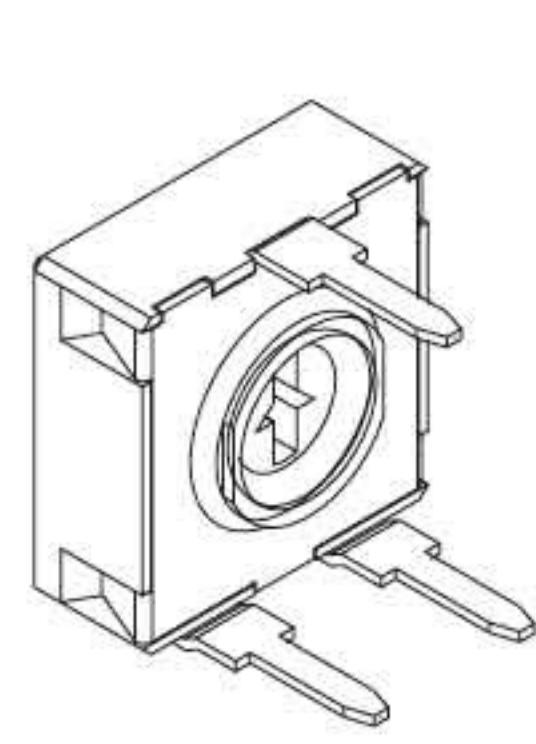


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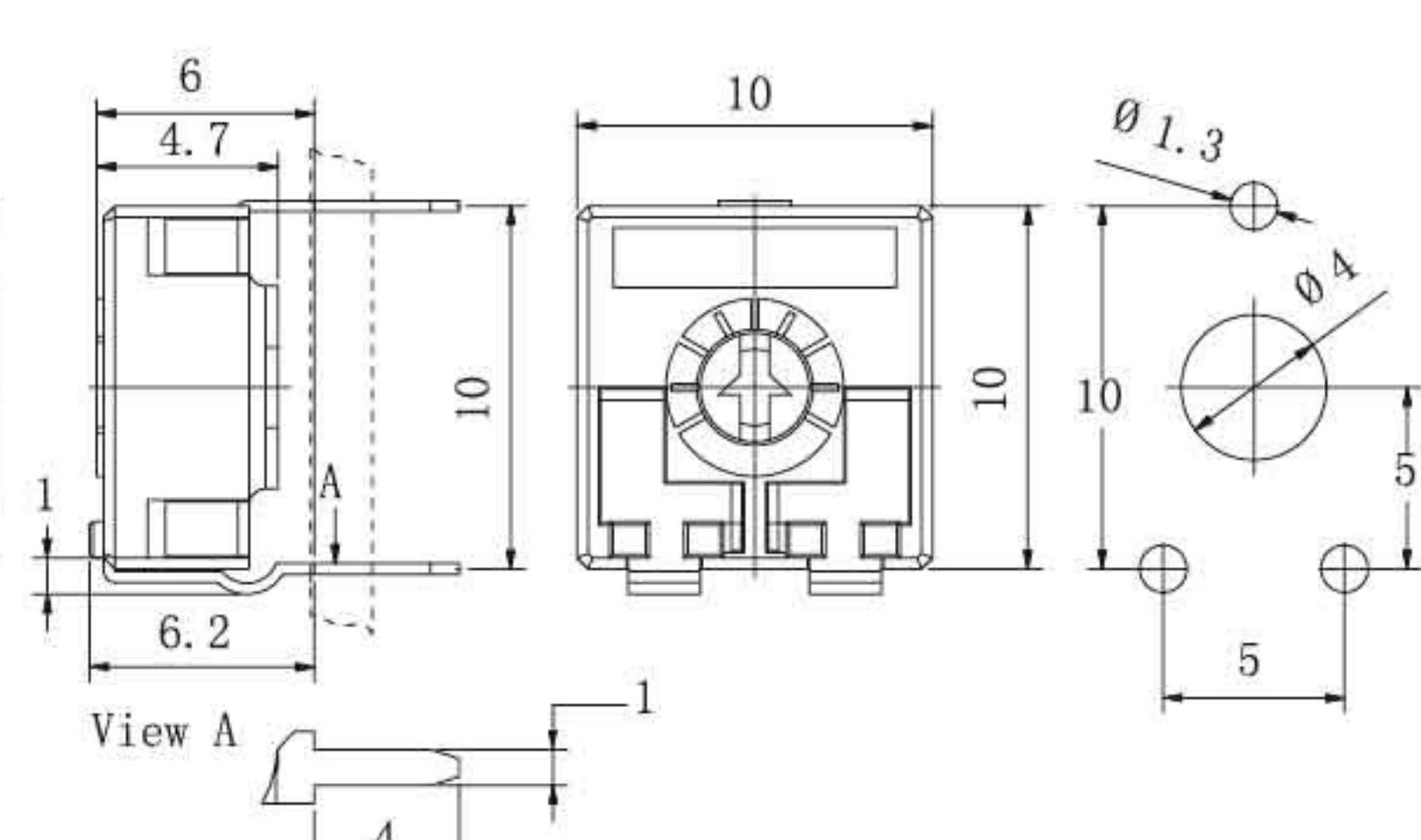
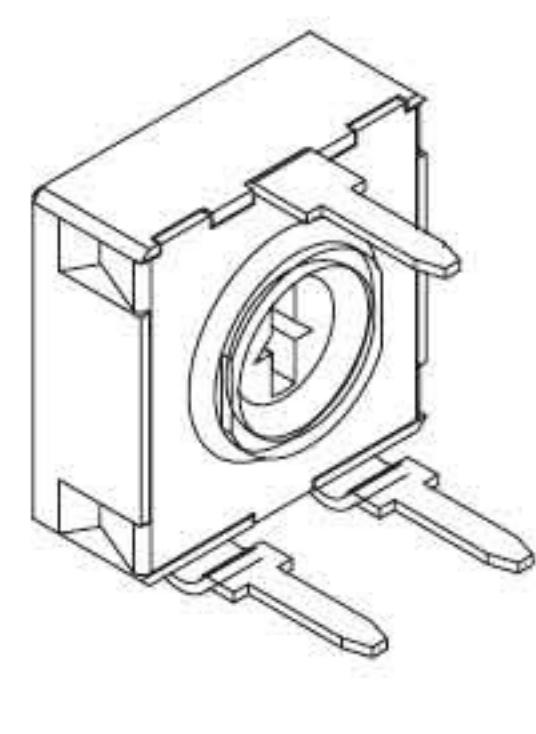
V7.5



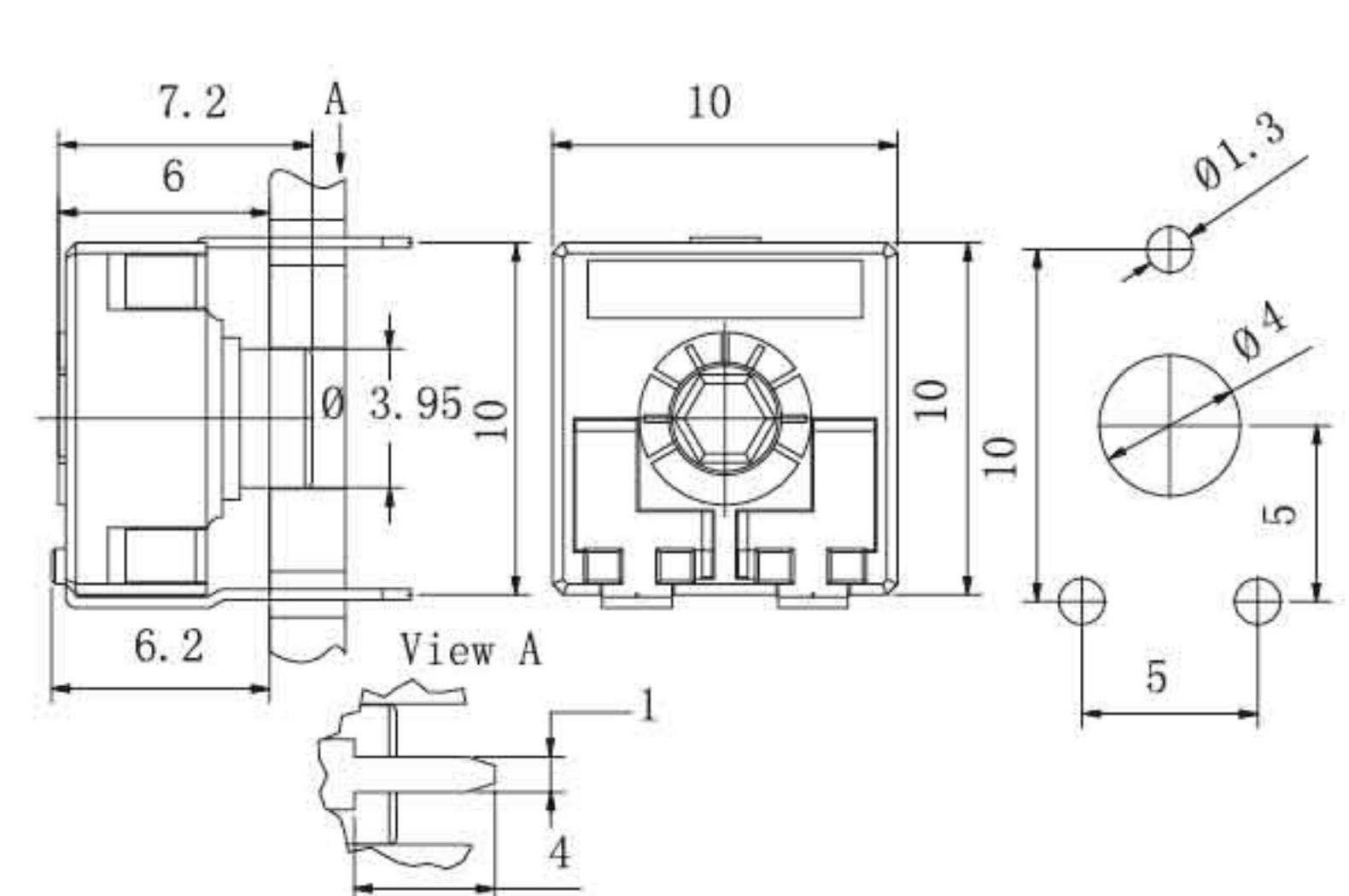
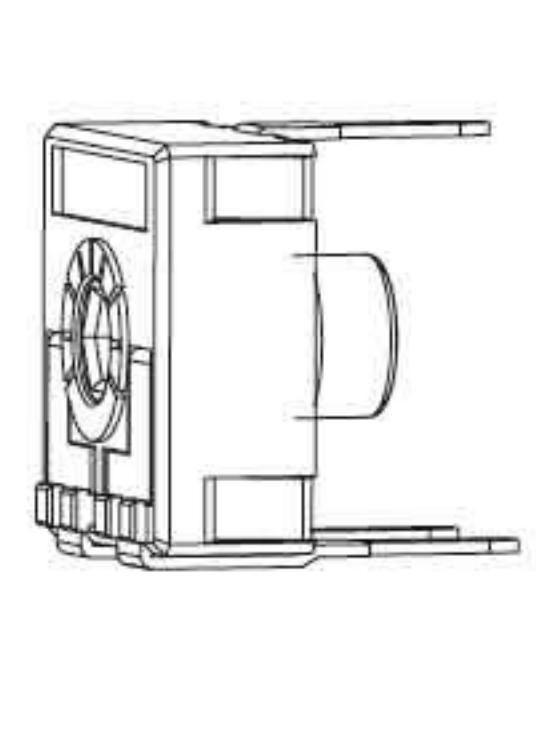
V10



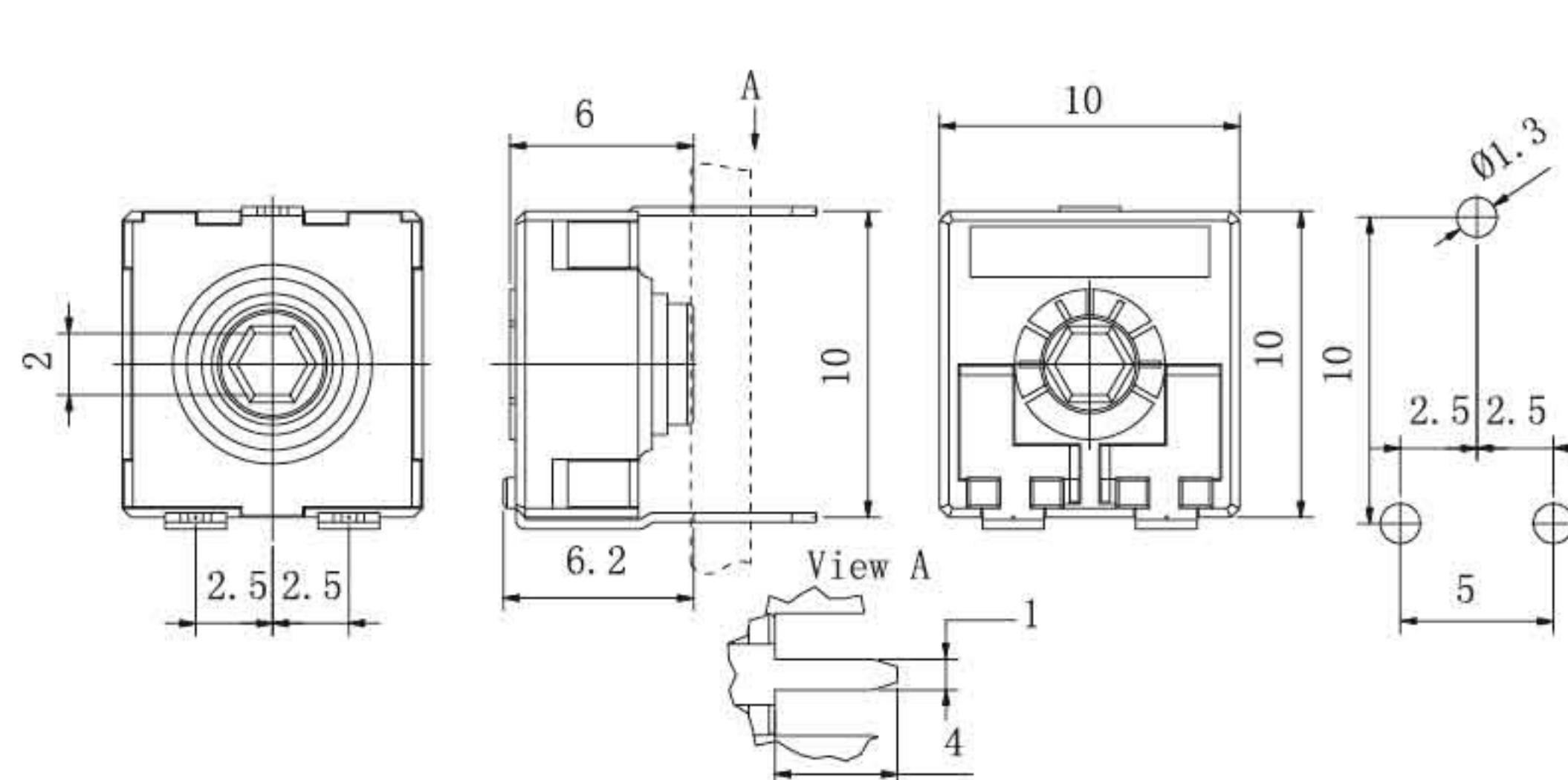
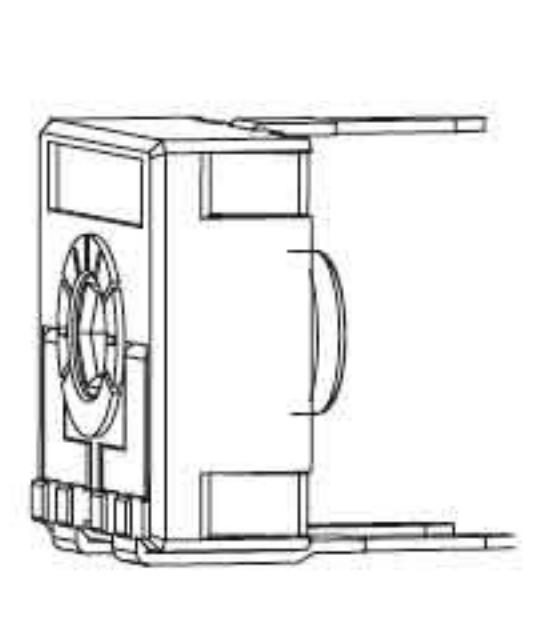
VR10



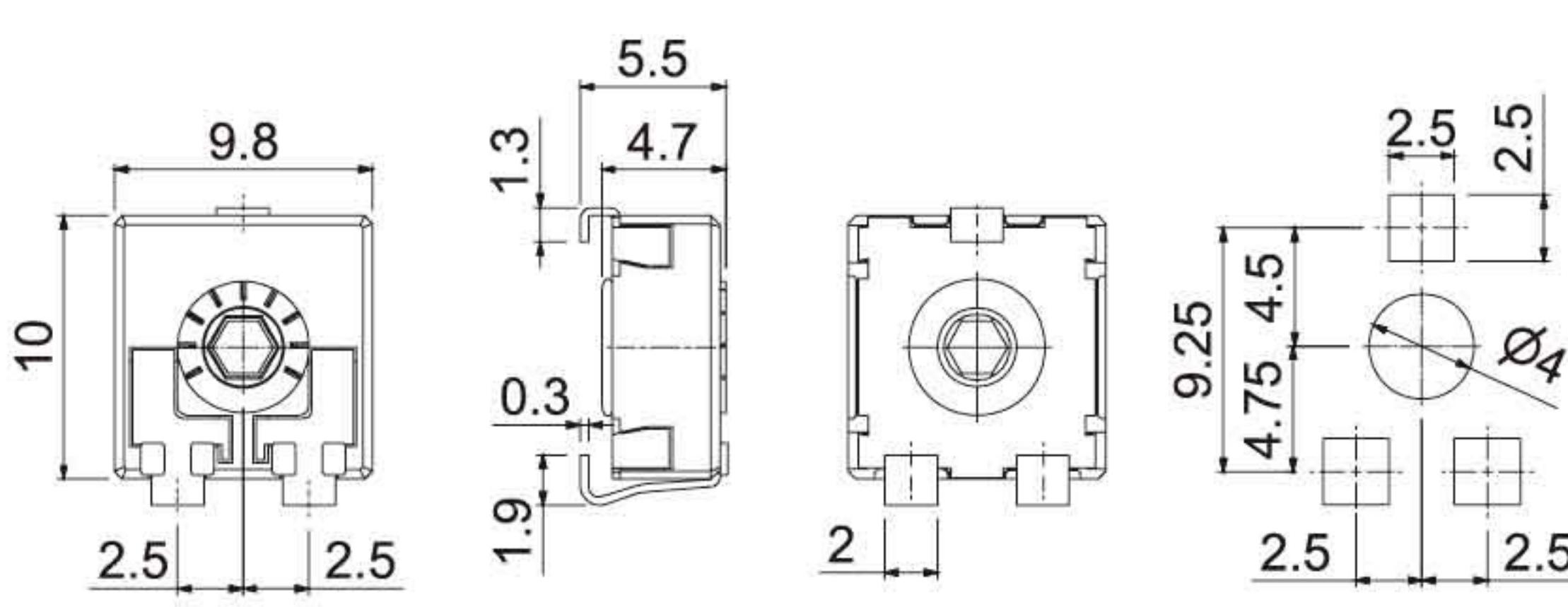
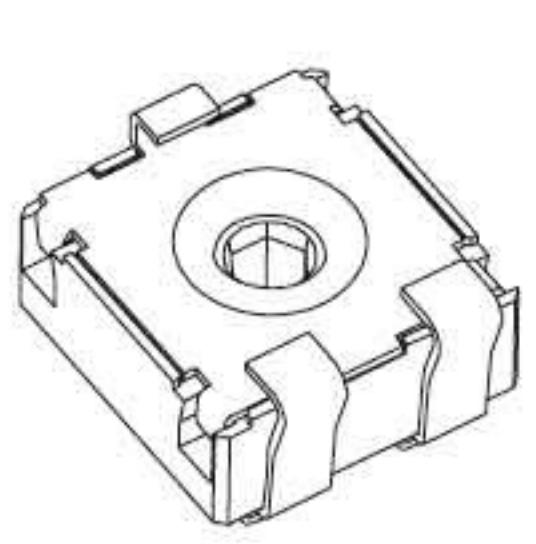
MAV10



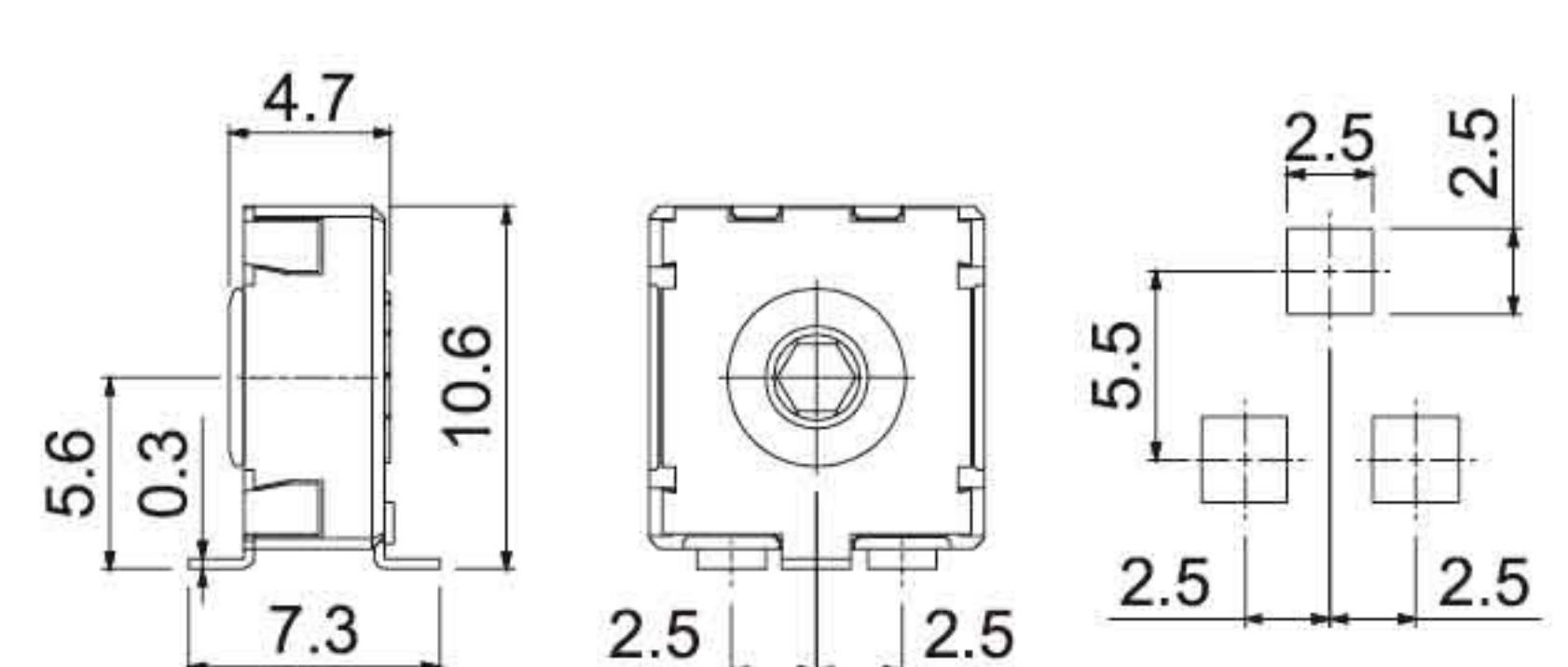
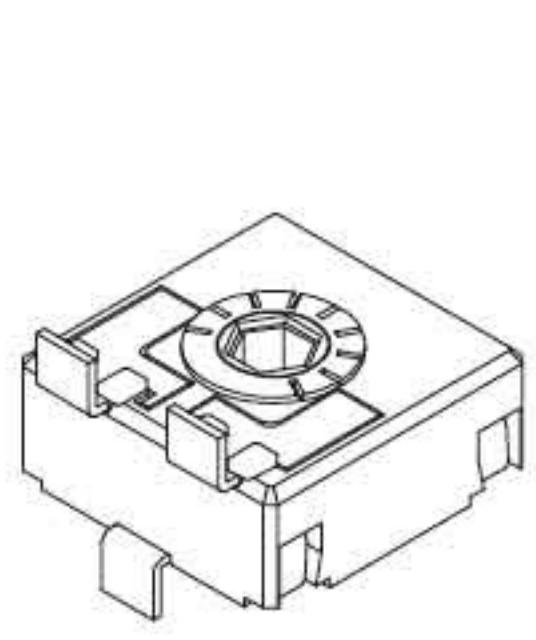
MTV10



VSMD



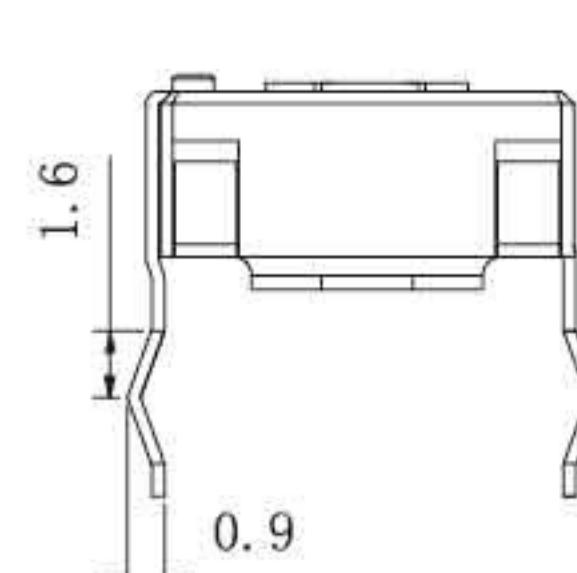
HSMD



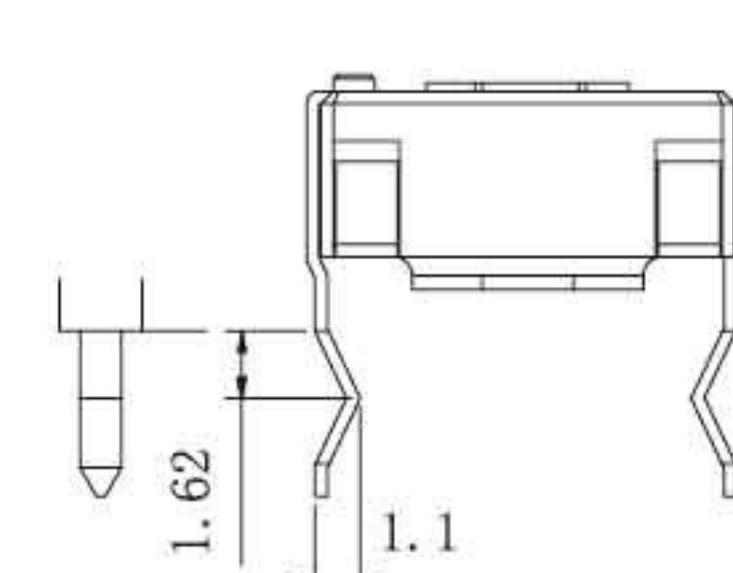
Terminals (焊脚种类)

We can provide crimped terminals (with "snap in"), to better hold the component to the board prior to soldering.

我们可以提供打弯式的焊脚，以便在焊接前能够更好的安装在PCB板上



SNP

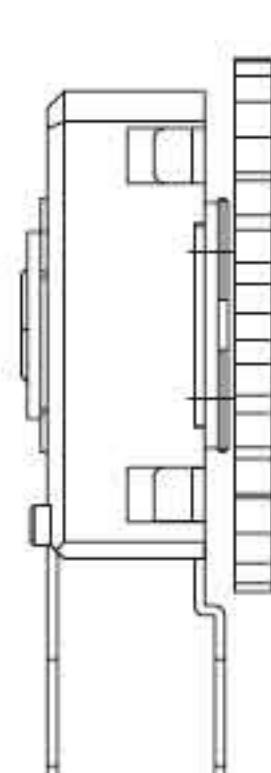


SNJ

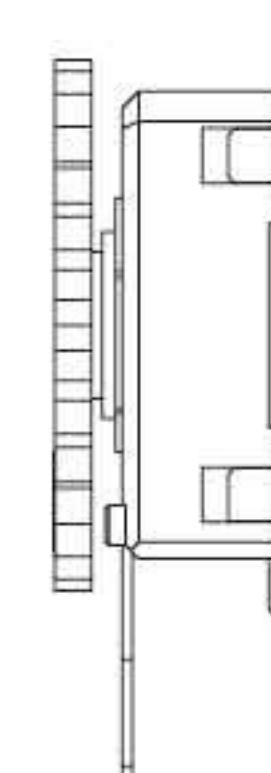
Adjustment possibilities (手柄安装方式)

Potentiometers can be adjusted through either the front side (WT) or the collector side (WTI):

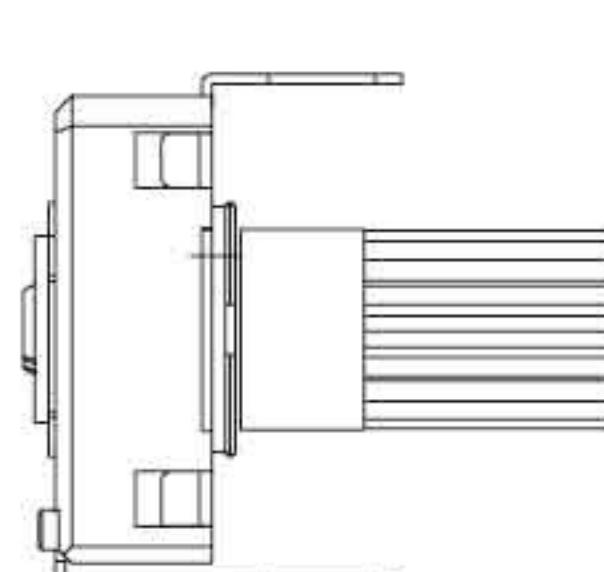
电位器手柄可以插入电位器正面或者背面调节



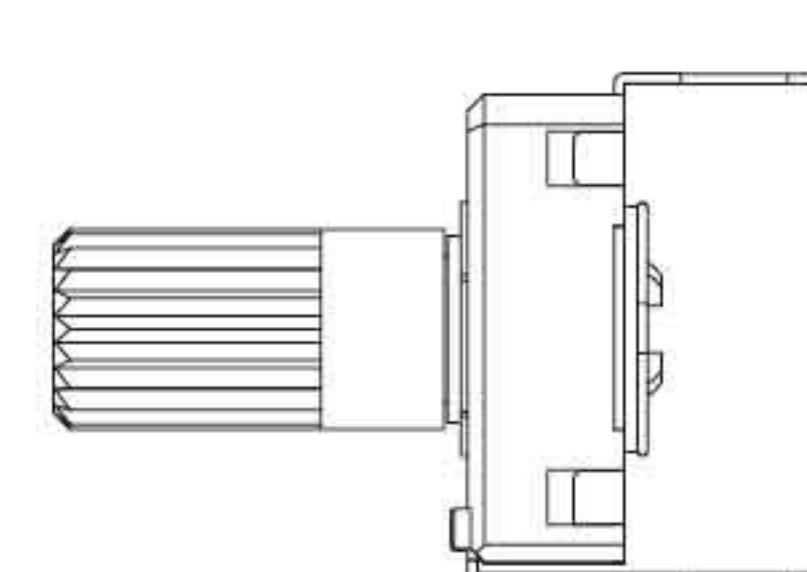
WTI
Collector side



WT
Front side



WTI
Collector side



WT
Front side



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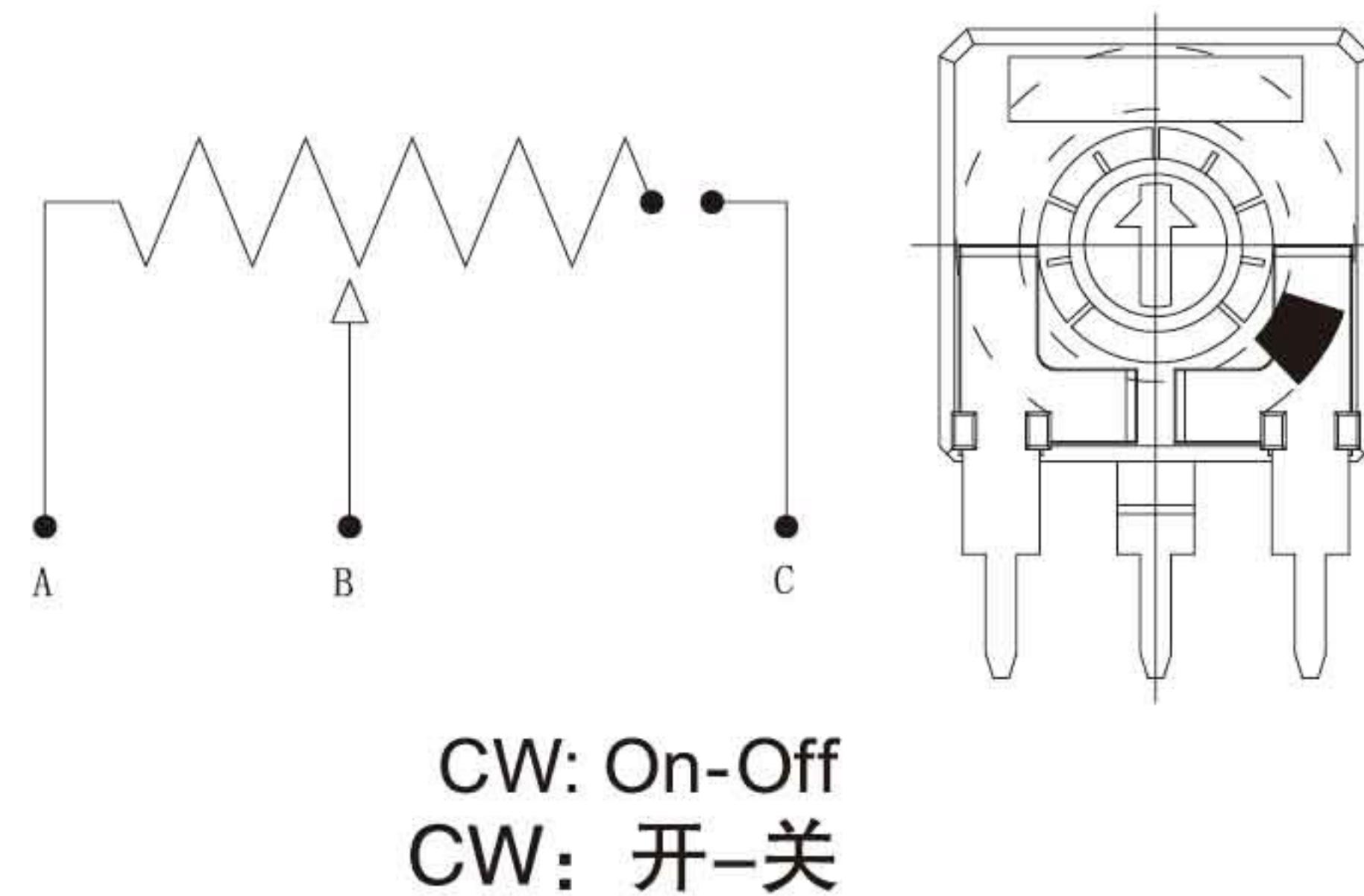
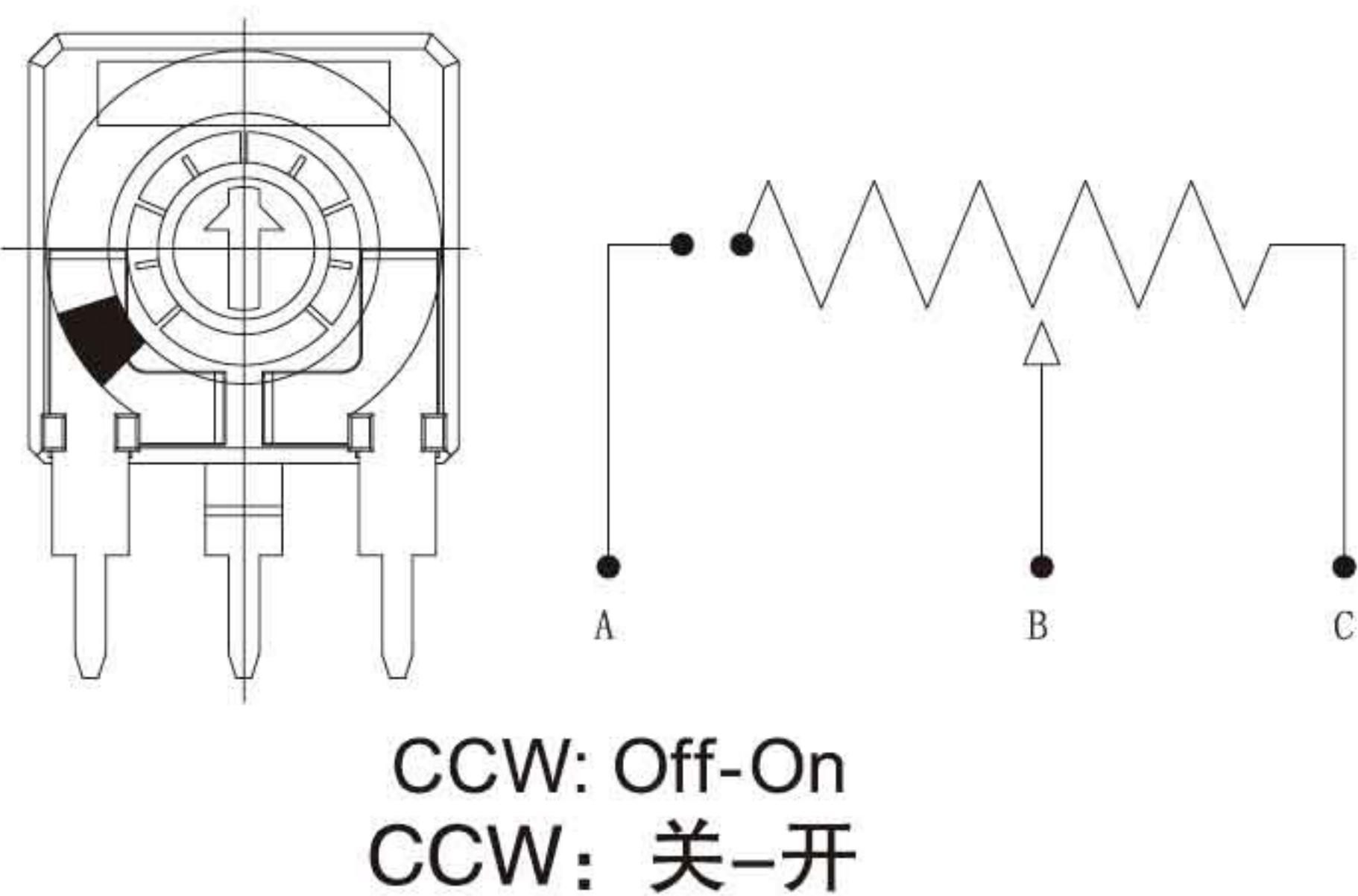
Potentiometers with cut track 电位器带开关功能

Recommended for lighting regulation. (推荐使用领域为灯光调节)

With cut at the beginning of the track CCW:off-on. (开关在电阻的起始位置，CCW：关-开)

With cut at the end of track-CW:on-off. Others positions available on request.

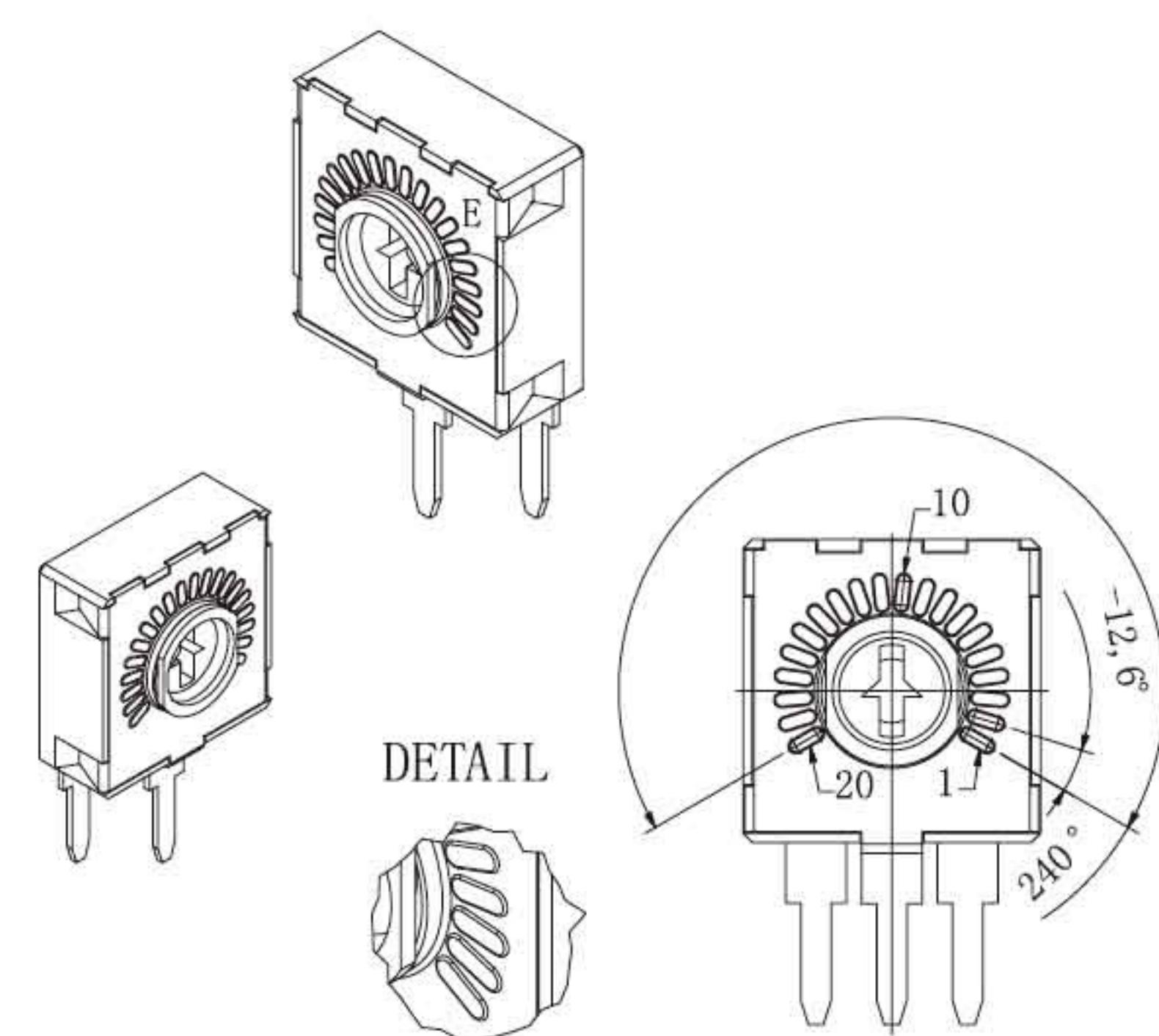
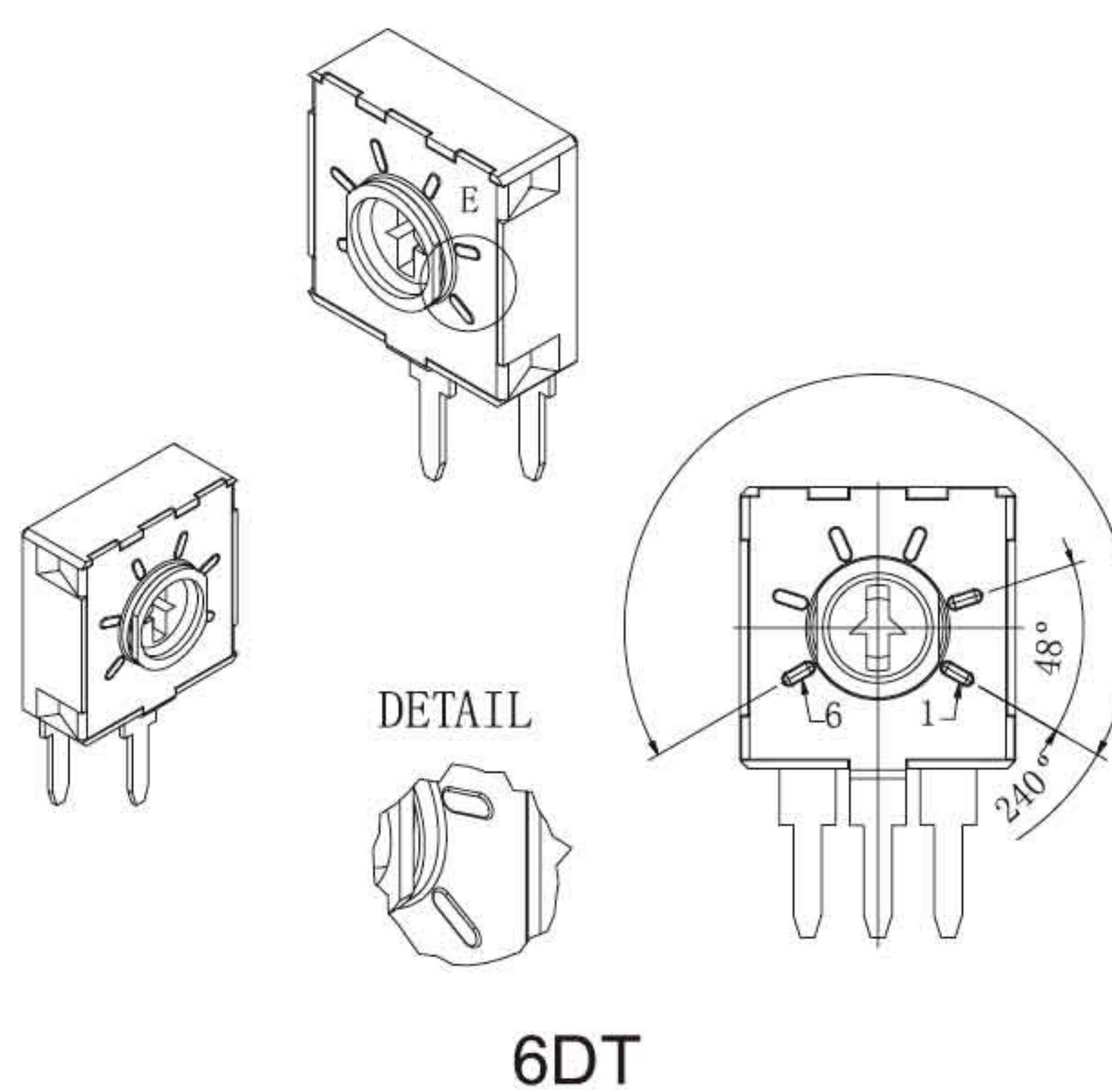
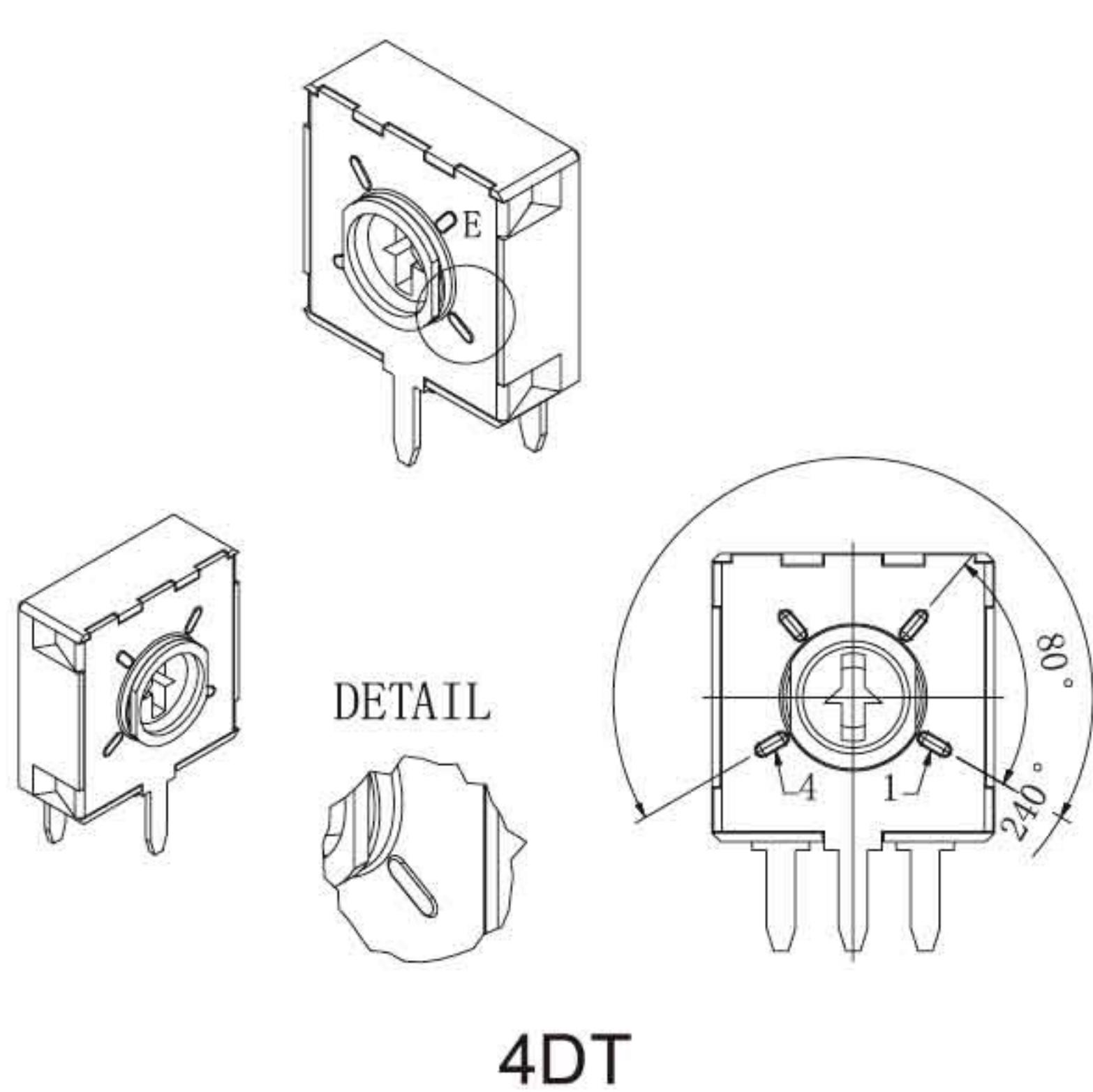
(开关在电阻的末端位置，CW，开-关。其他可根据要求定制)



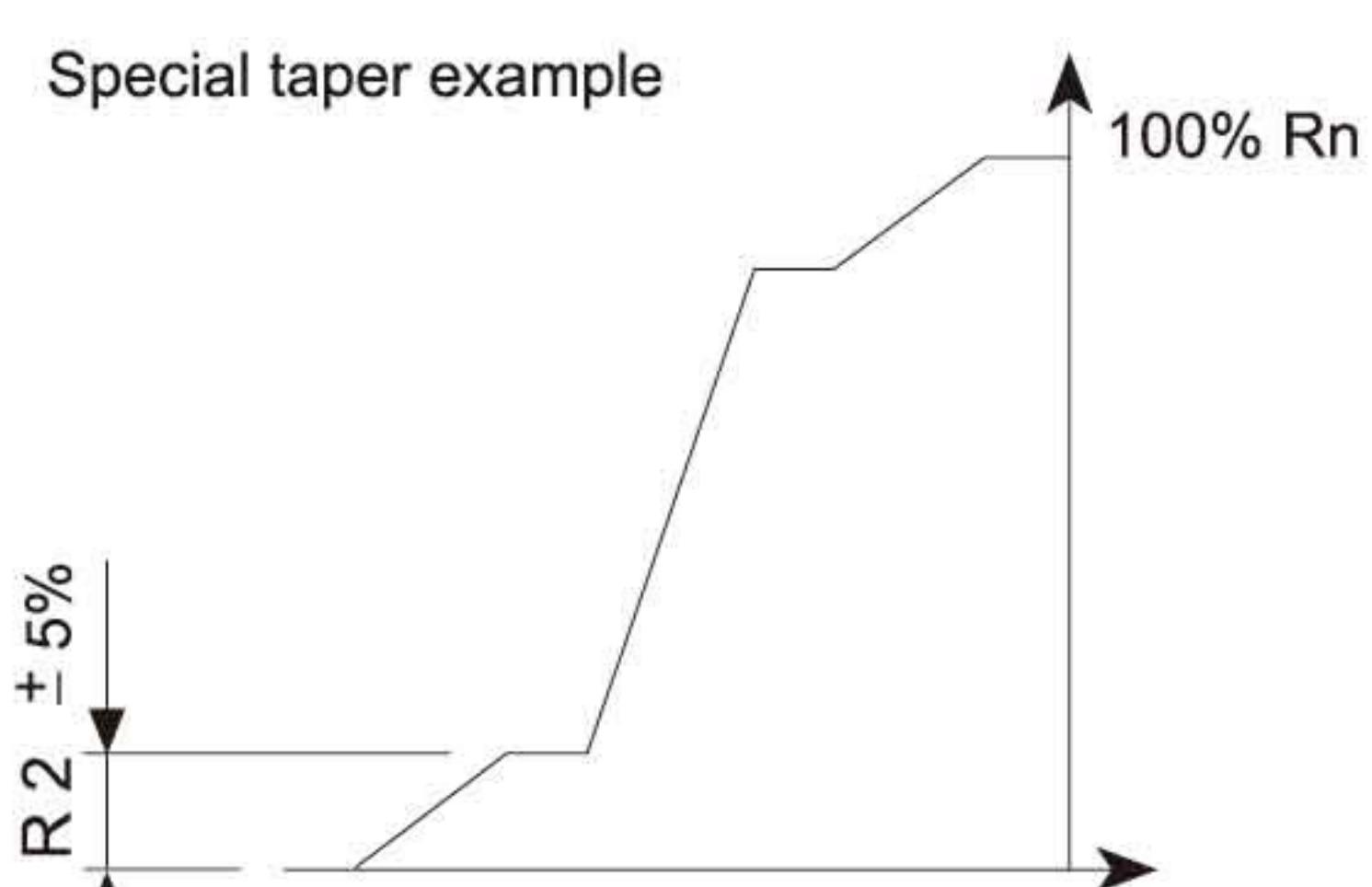
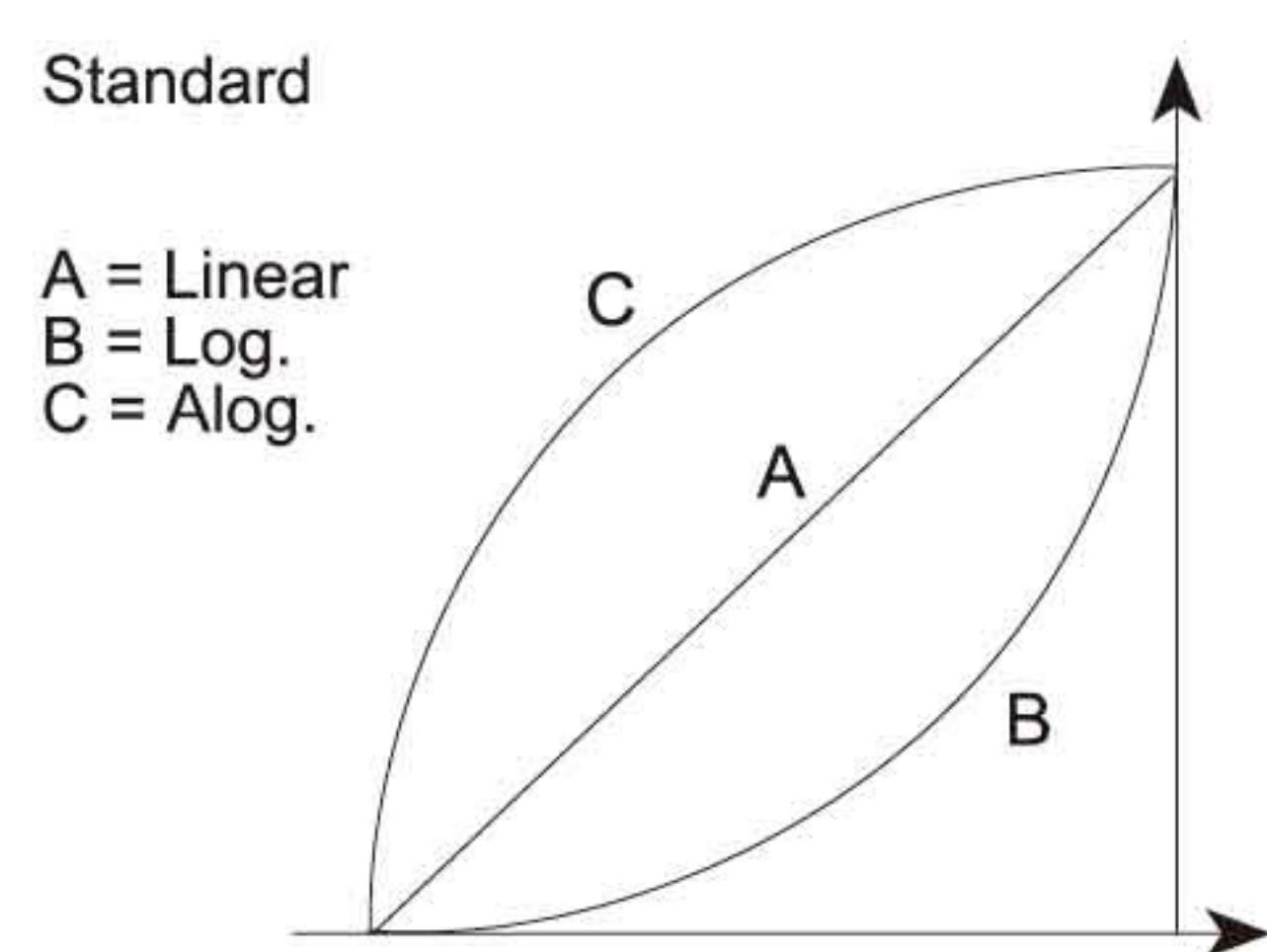
Potentiometers with detents (电位器带定位功能)

Detent feature(DT) is specifically for control application. Detents can be 3,4,6,7,9,10 and up to 20.

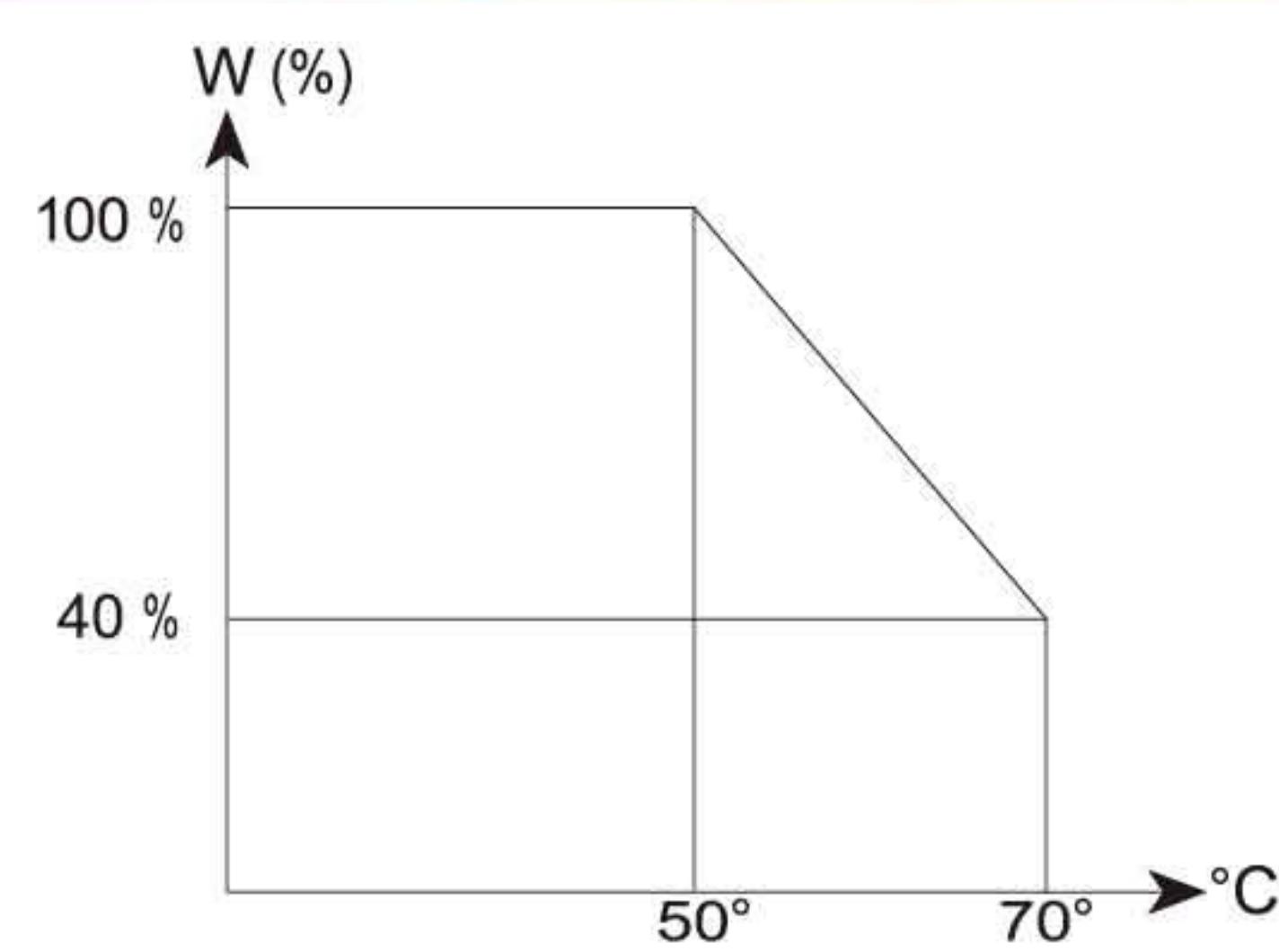
带定位的产品可适用于控制设备，定位次数可以为3, 4, 6, 7, 9, 10…最高可达20次定位。



TAPERS



POWER RATING CURVE



NOTE = Please note relative terminals positions when ordering non linear tapers.

TESTS

ELECTRICAL LIFE	1.000h @ 50°C; 0.15W
MECHANICAL LIFE(CYCLES)	500 @ 10CPM...15CPM
TEMPERATURE COEFFICIENT	-25°C; +70°C
THERMAL CYCLING	16h. @ 85°C; 2h. @ -25°C
DAMP HEAT	500h. @ 40°C @ 95%HR
VIBRATION (for each plane X,Y,Z)	2h. @ 10Hz... 55Hz.

1.000h @ 50°C; 0.15W
500 @ 10CPM...15CPM
-25°C; +70°C
16h. @ 85°C; 2h. @ -25°C
500h. @ 40°C @ 95%HR
2h. @ 10Hz... 55Hz.

± 5%
± 3% (R _n <1M Ω)
± 300ppm(R _n <100K)
± 2.5%
± 5%
± 2%

NOTE: Out of range values may not comply with these results.

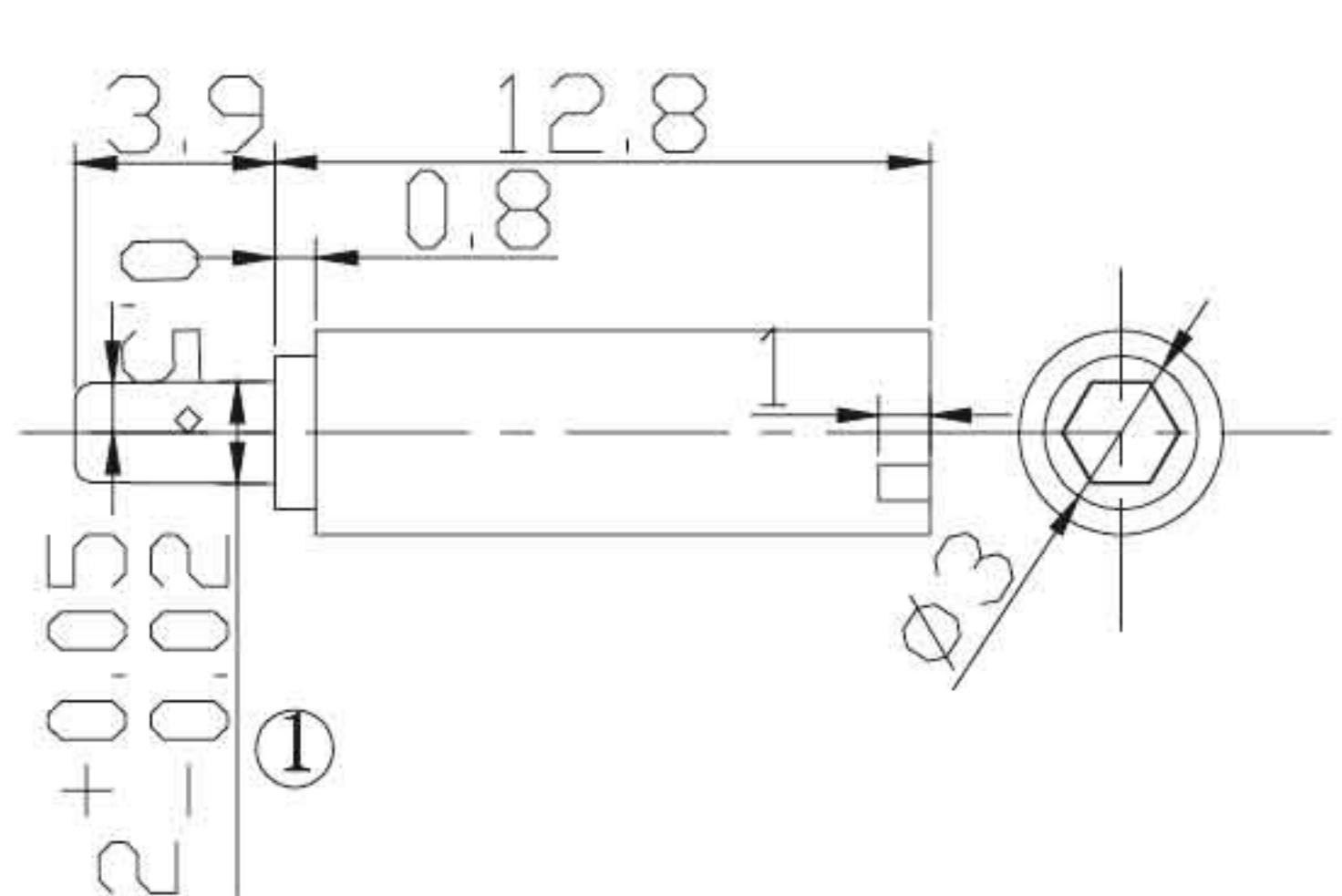
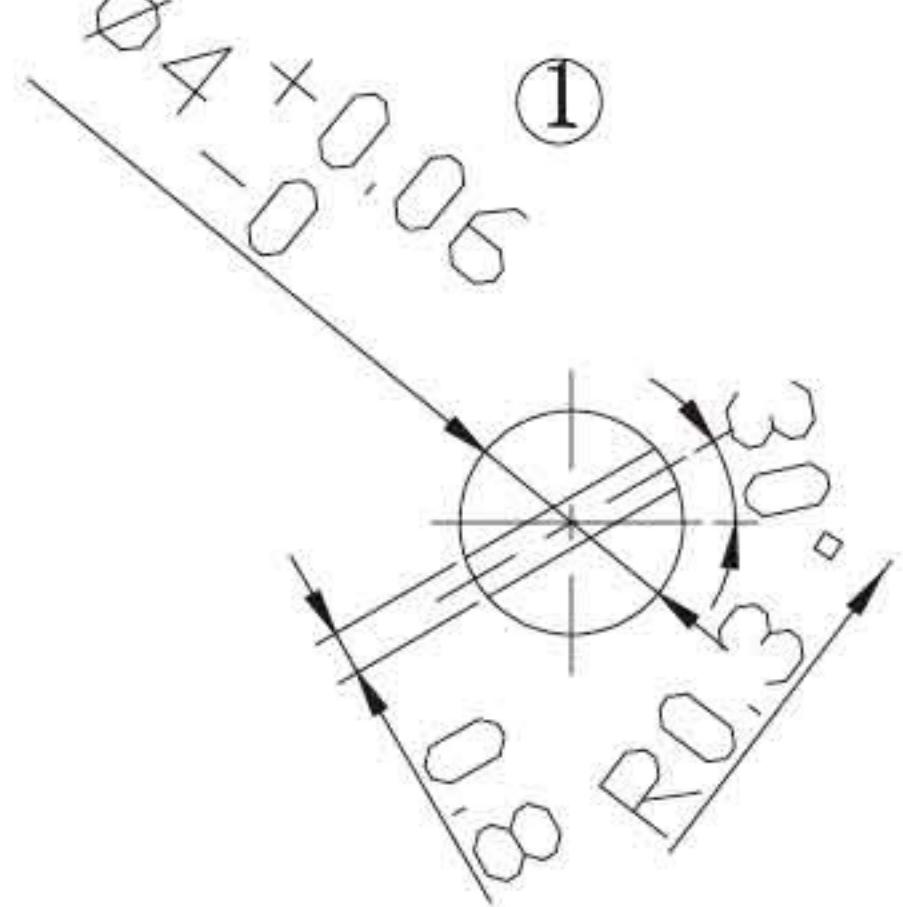
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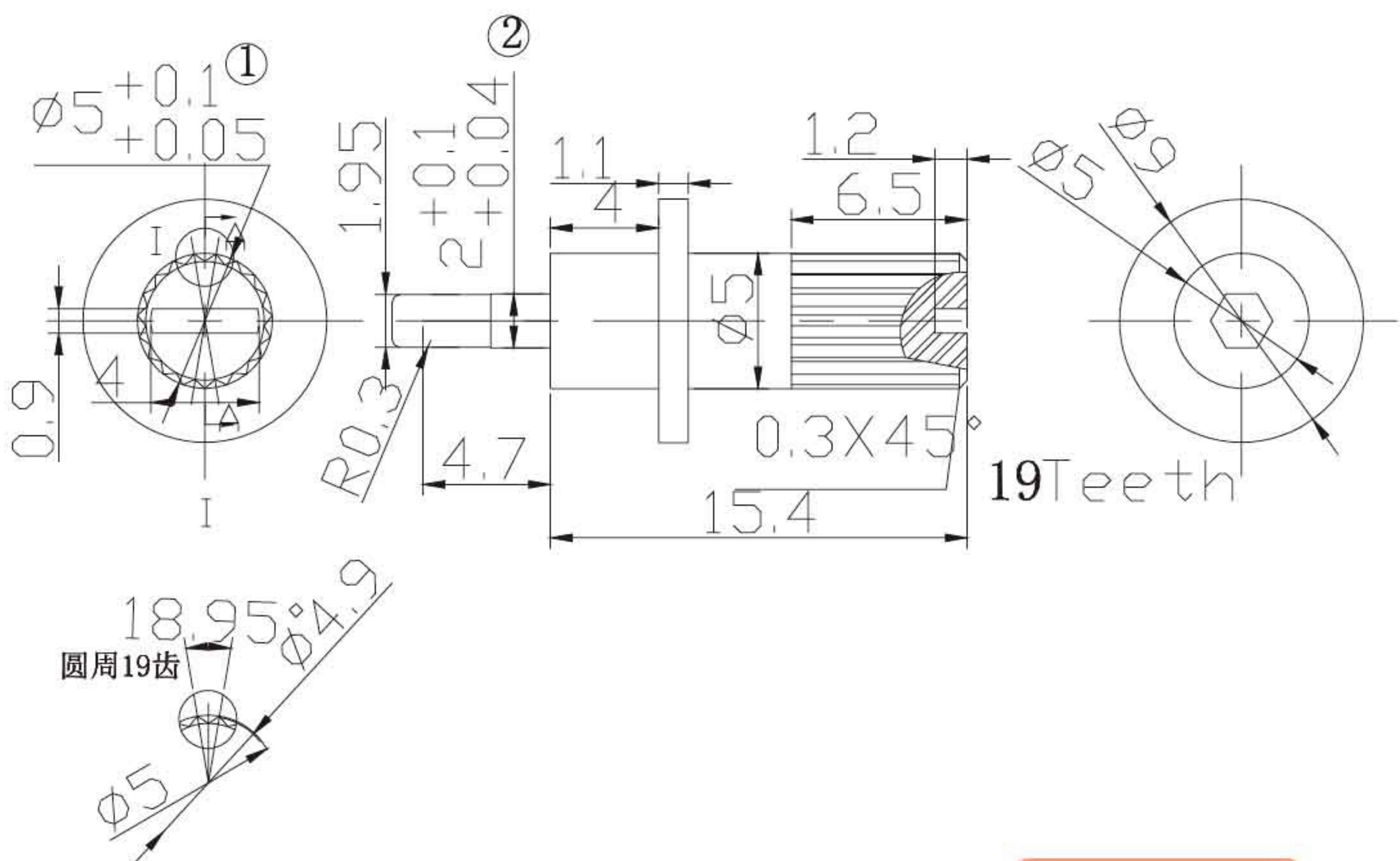
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Shaft type

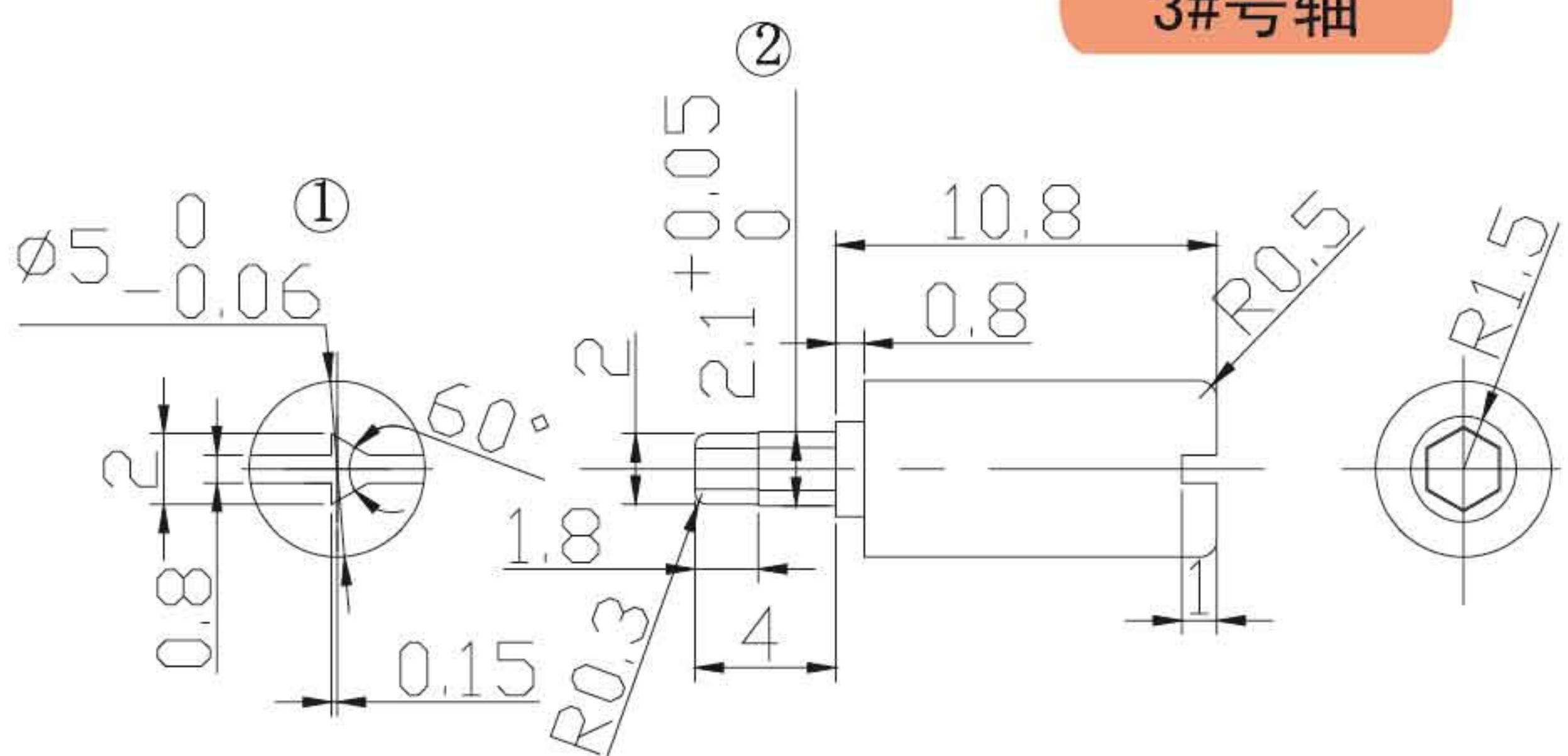
1#号轴



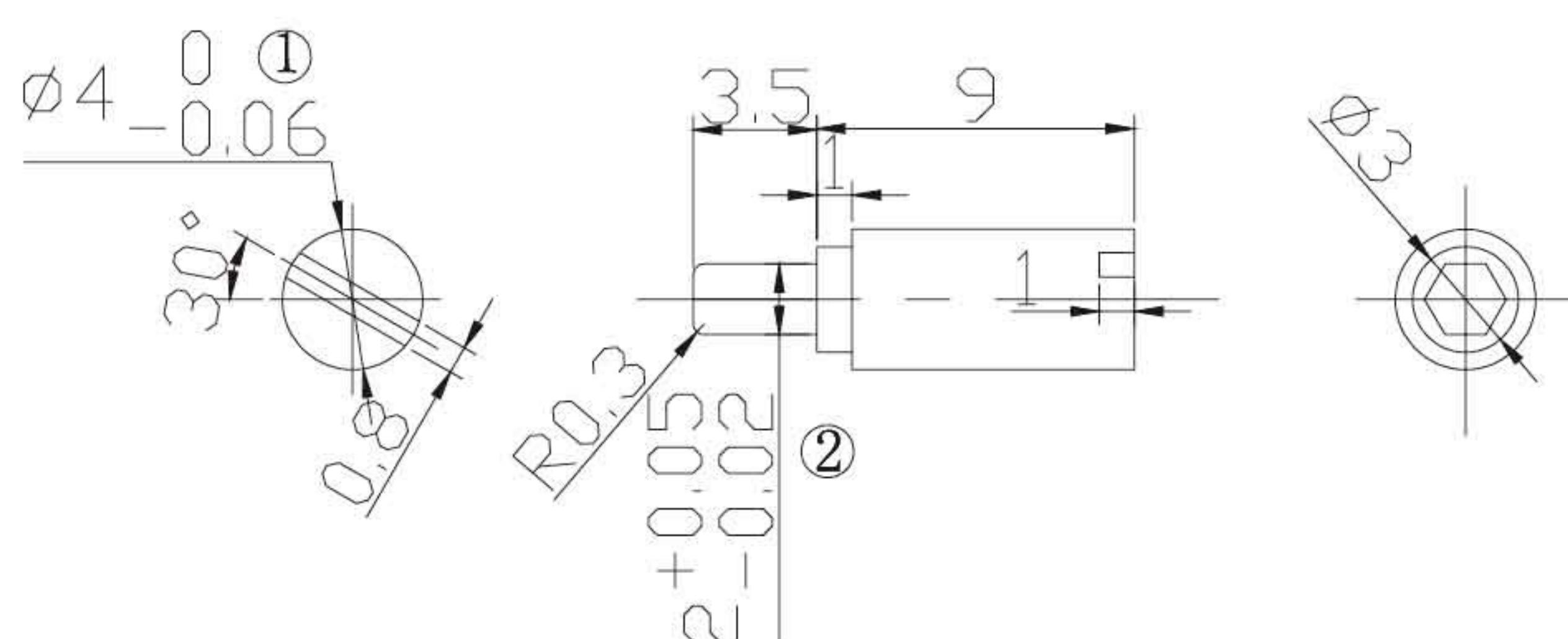
2#号轴



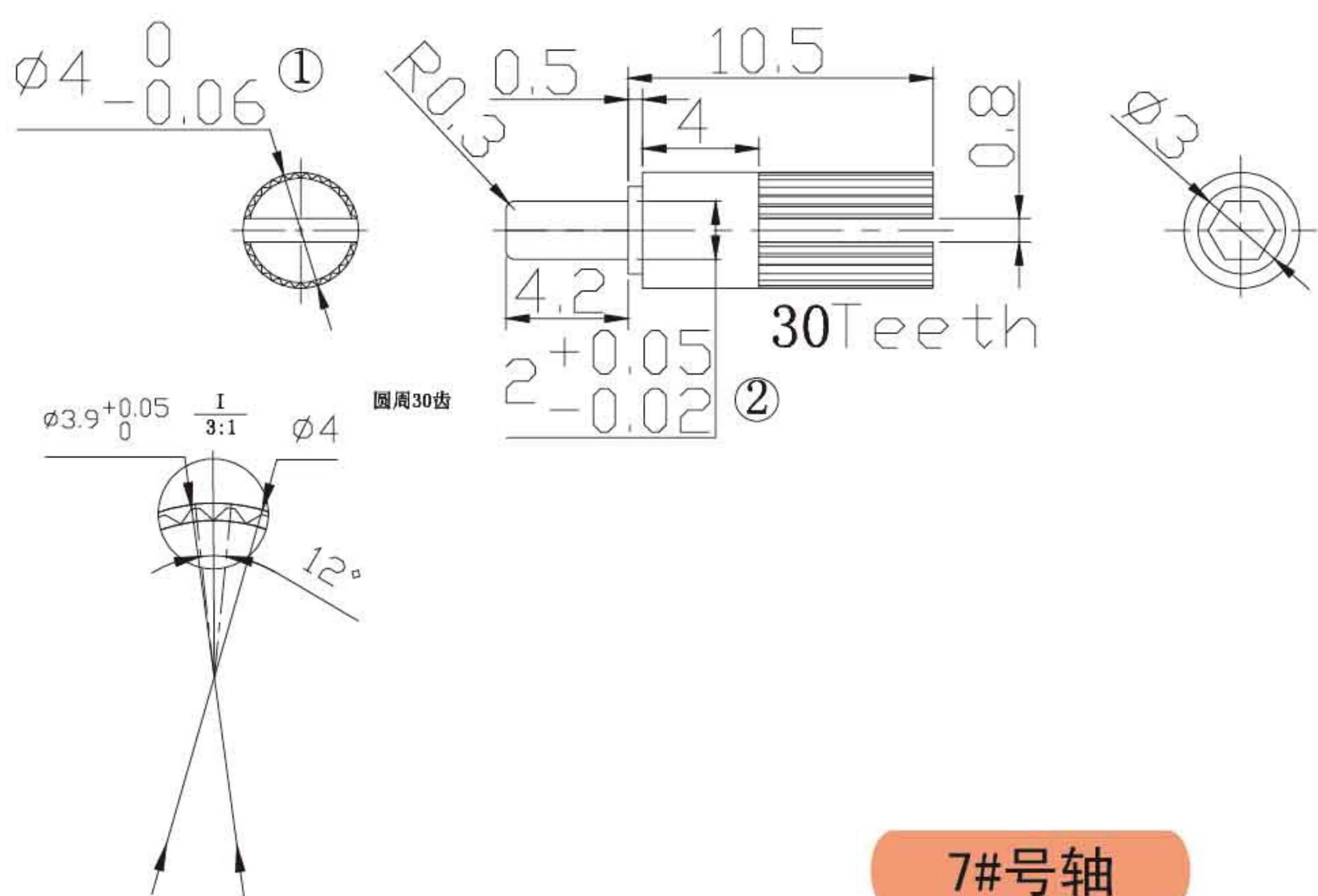
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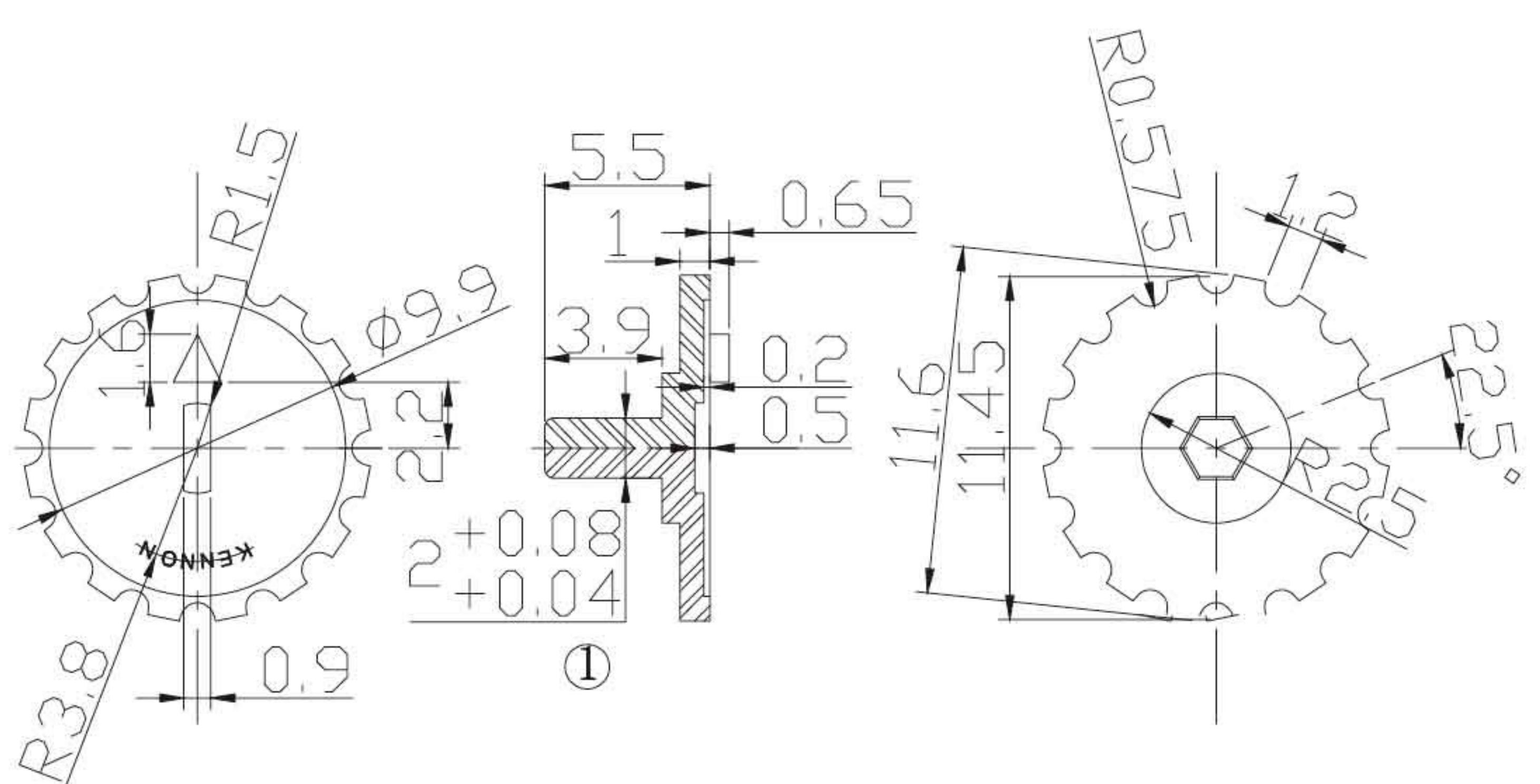
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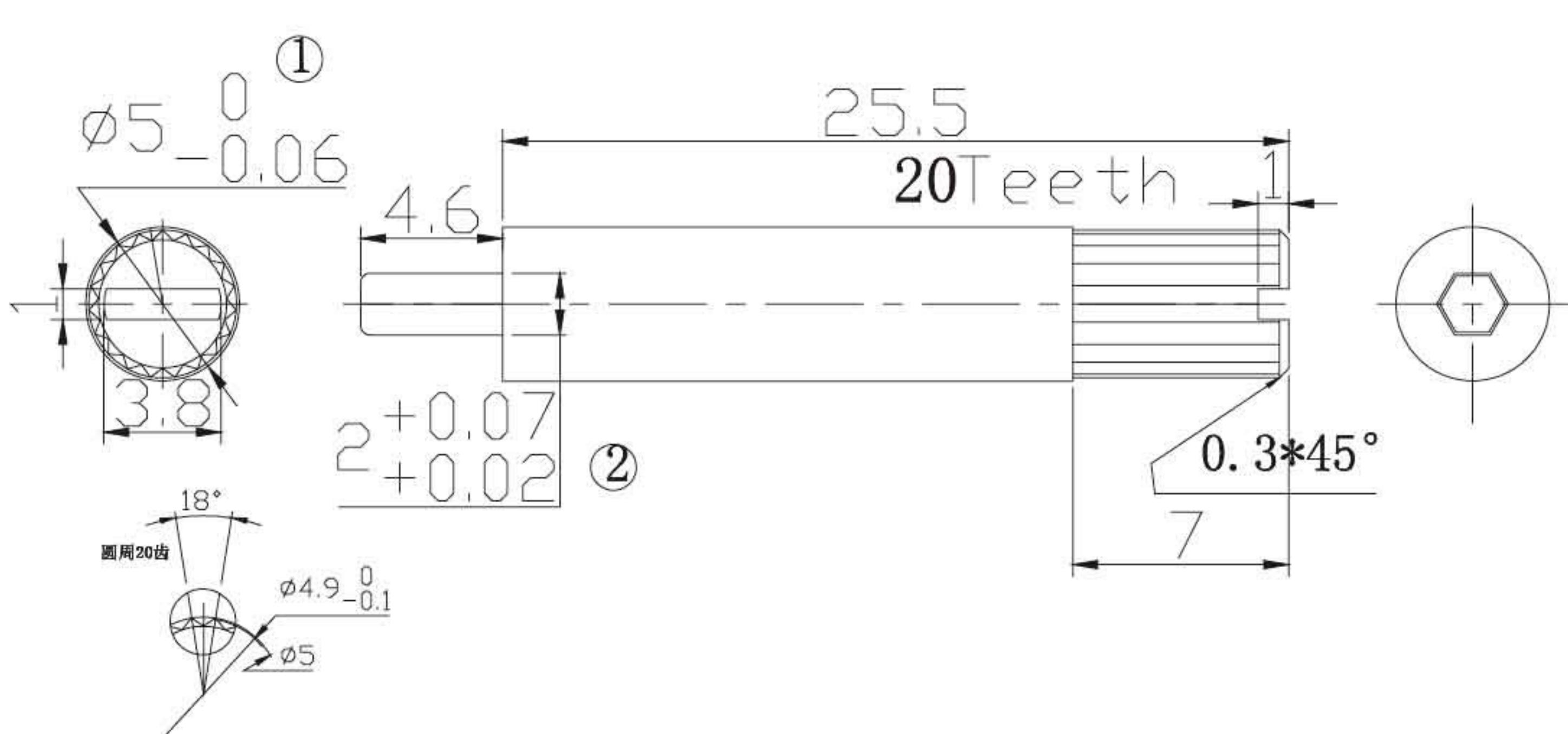
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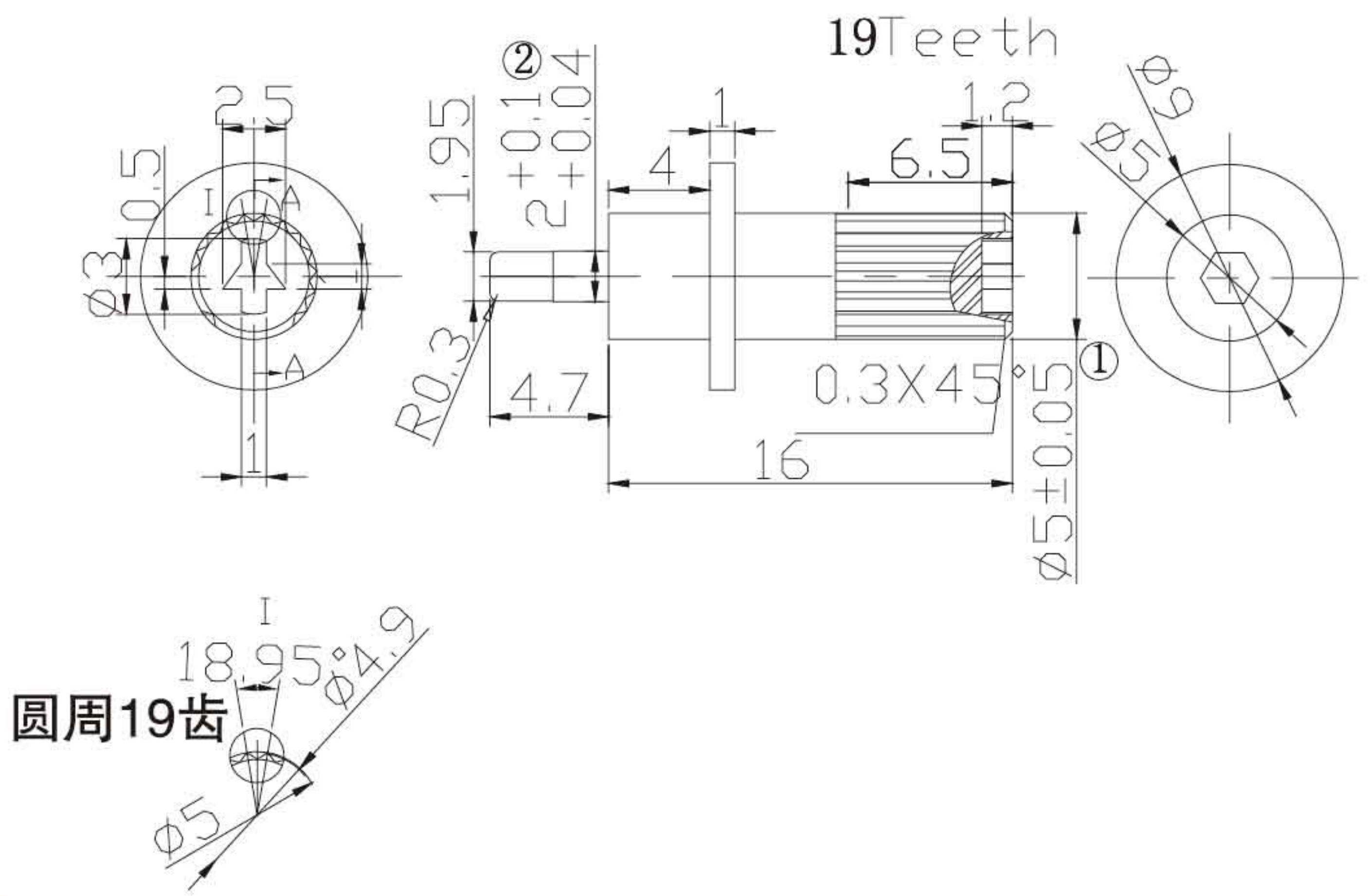
6#号轴



7#号轴



8#号轴



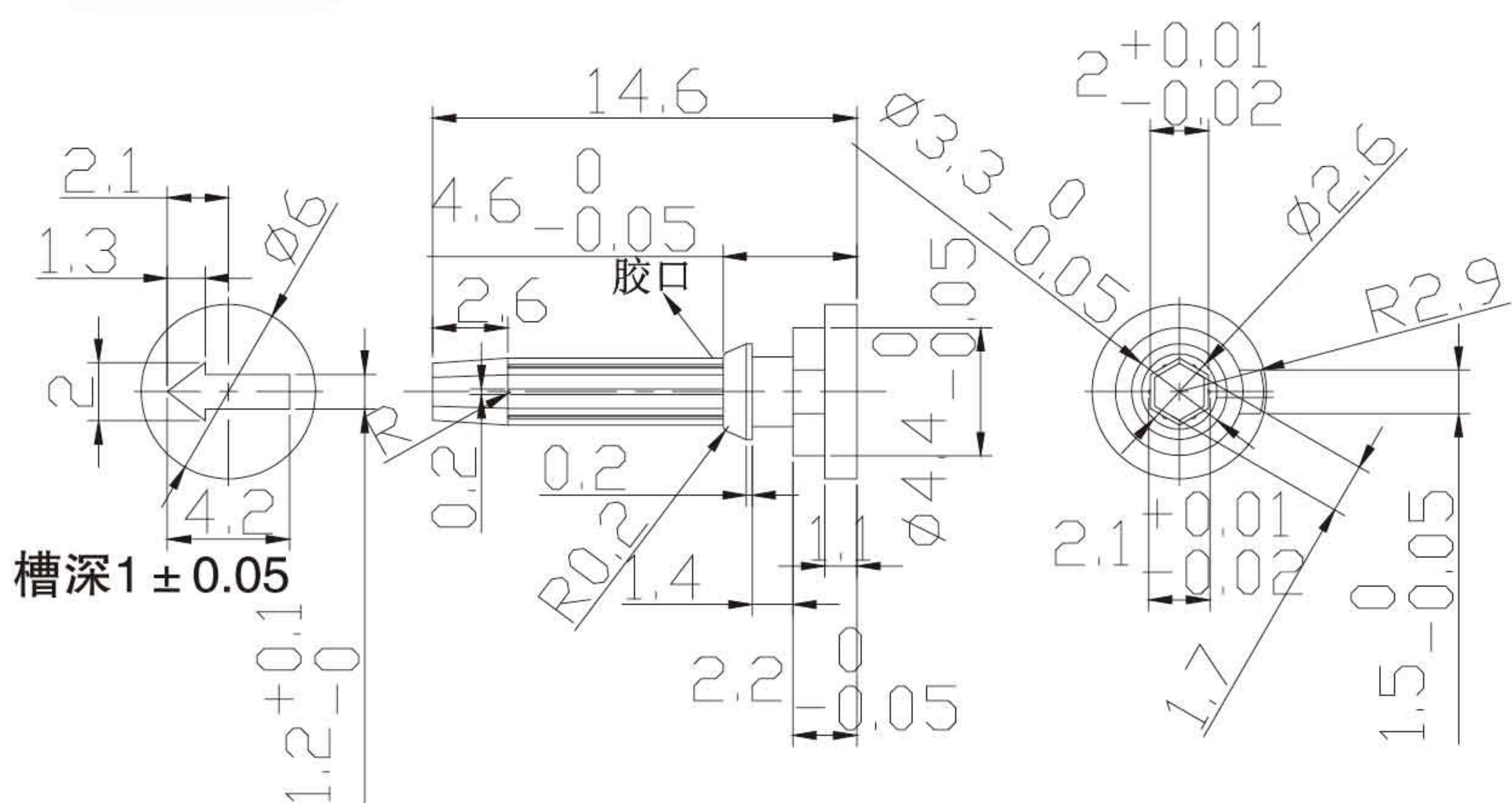


Kennon

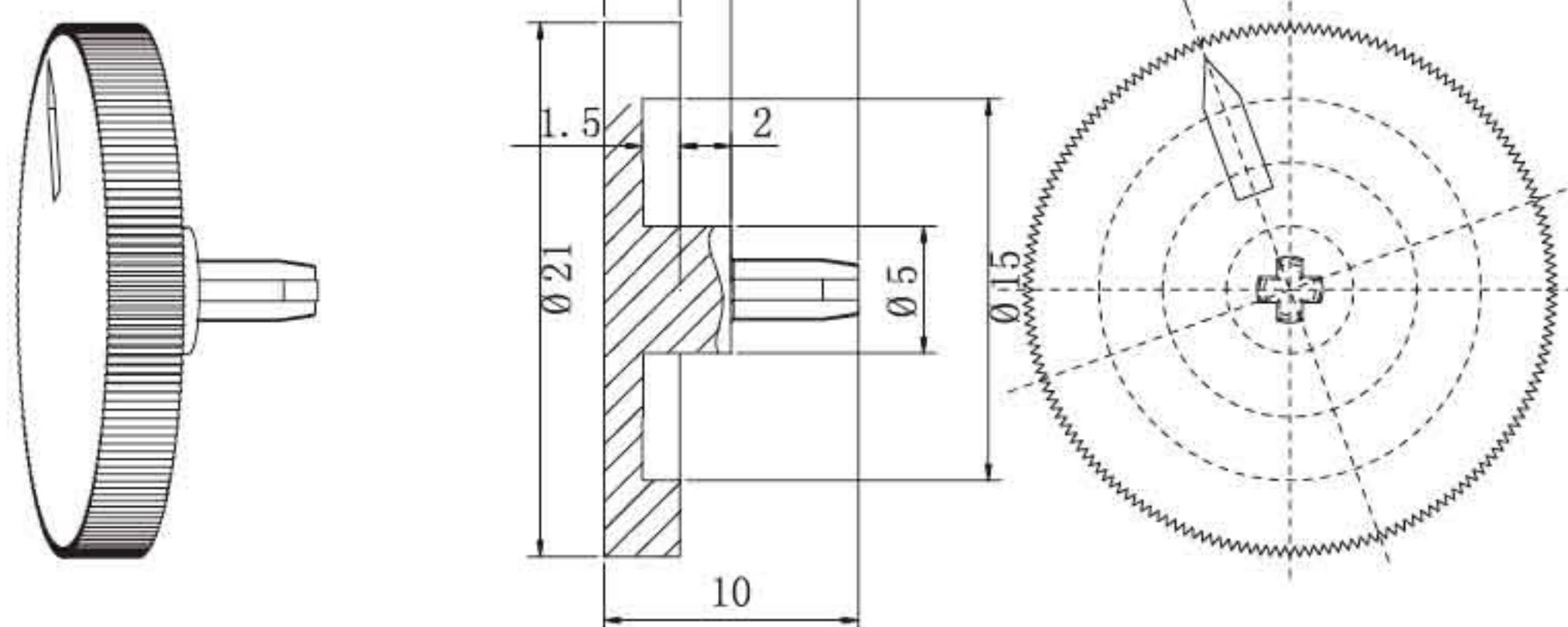
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TRIMMER POTENTIOMETER

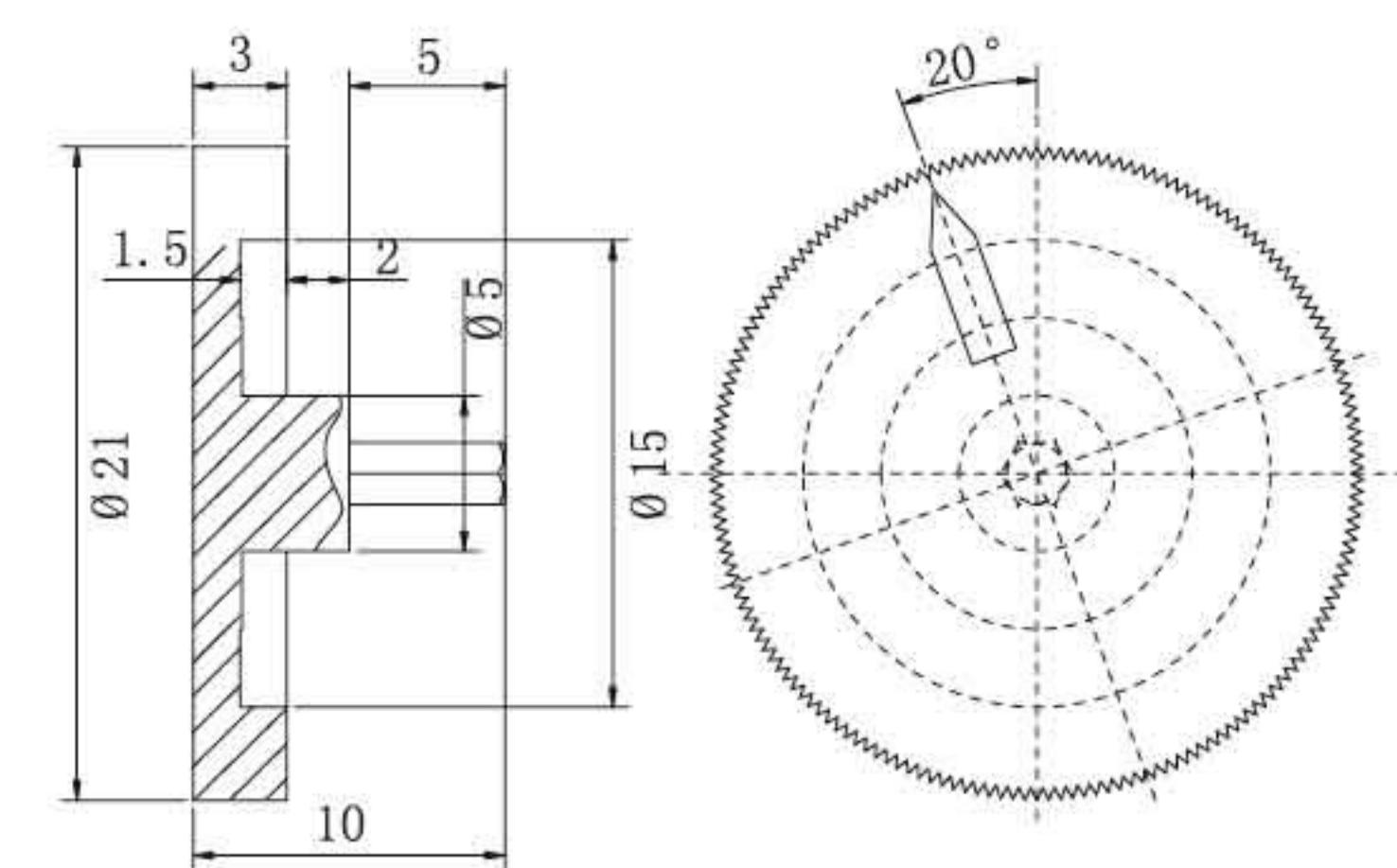
9#号轴



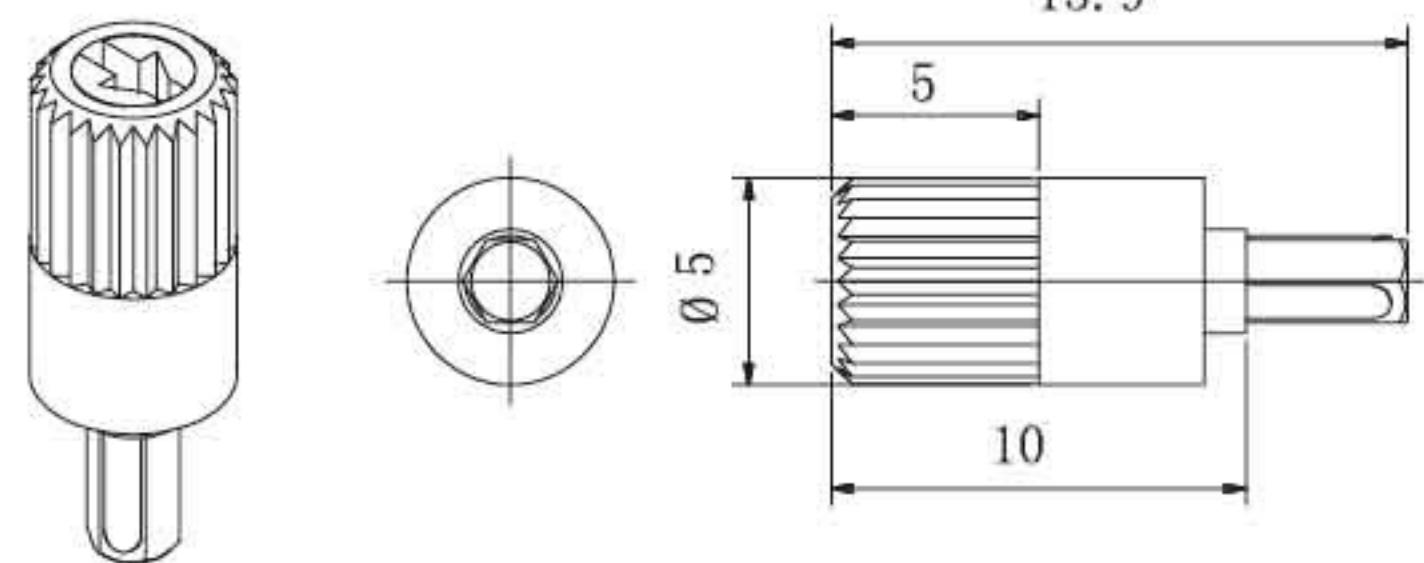
9060



9061

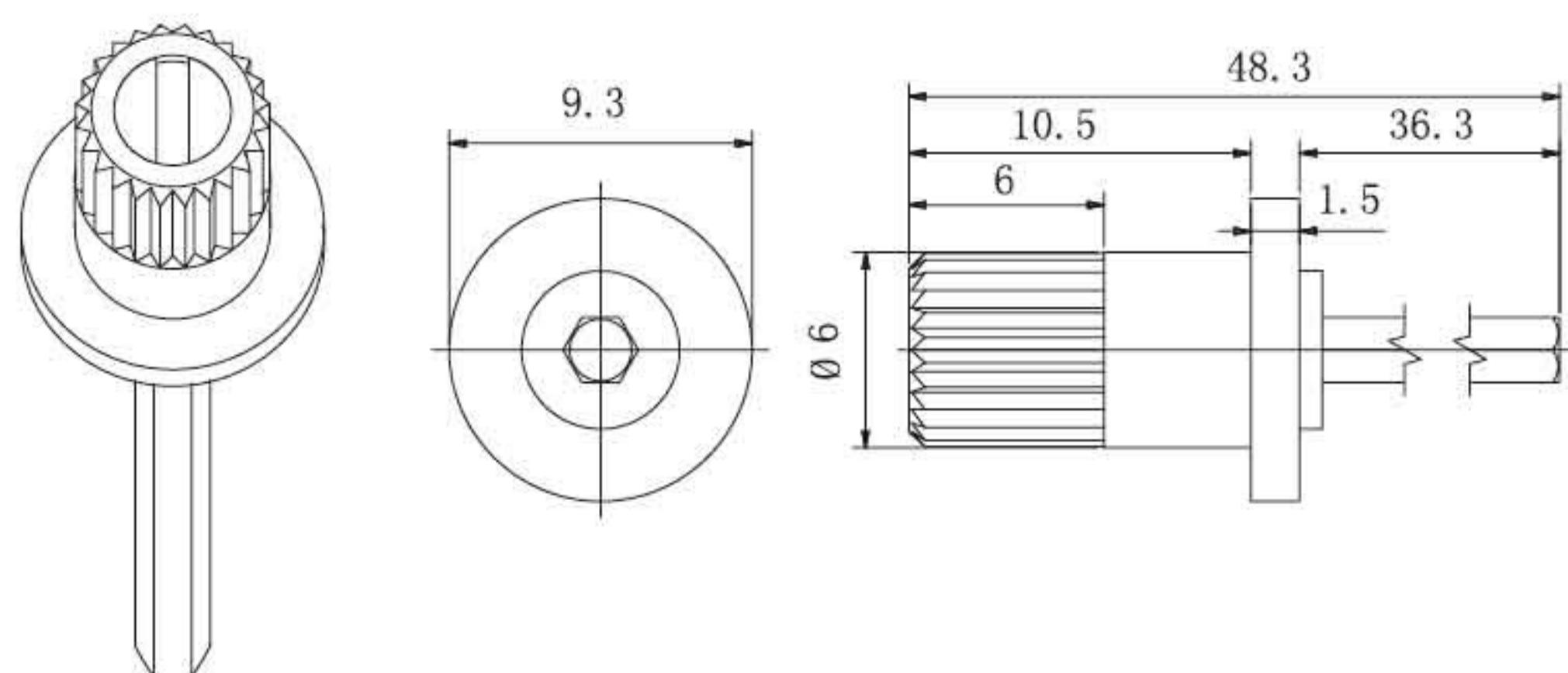


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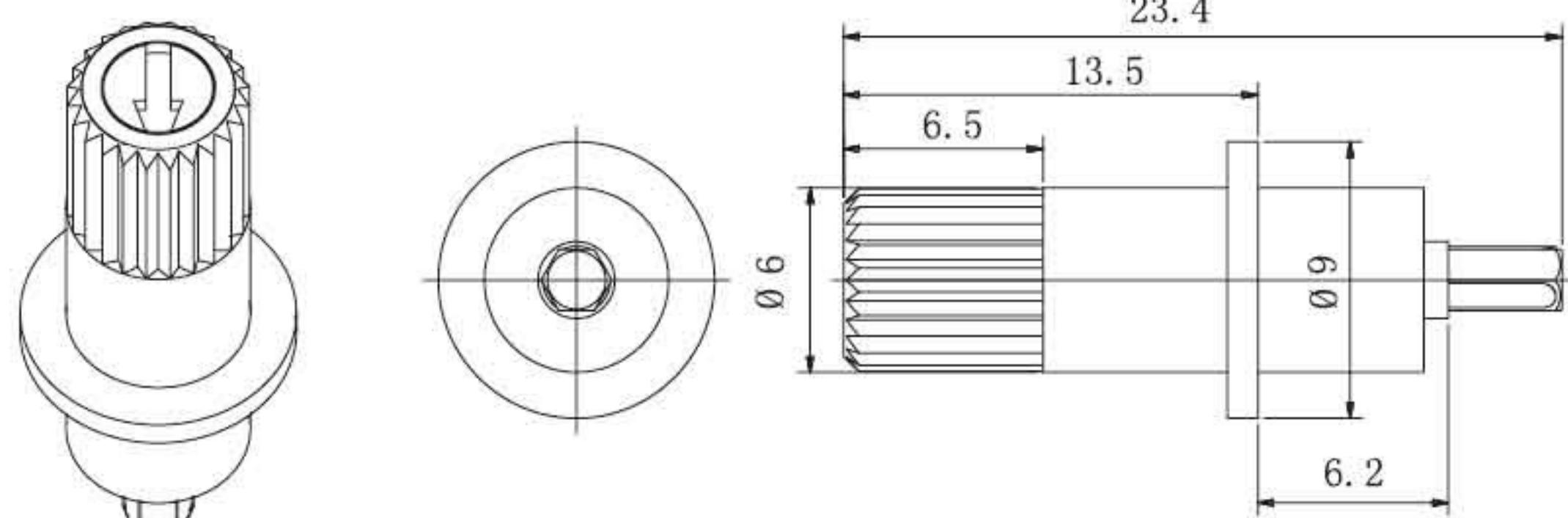


9018

For 6 potentiometers

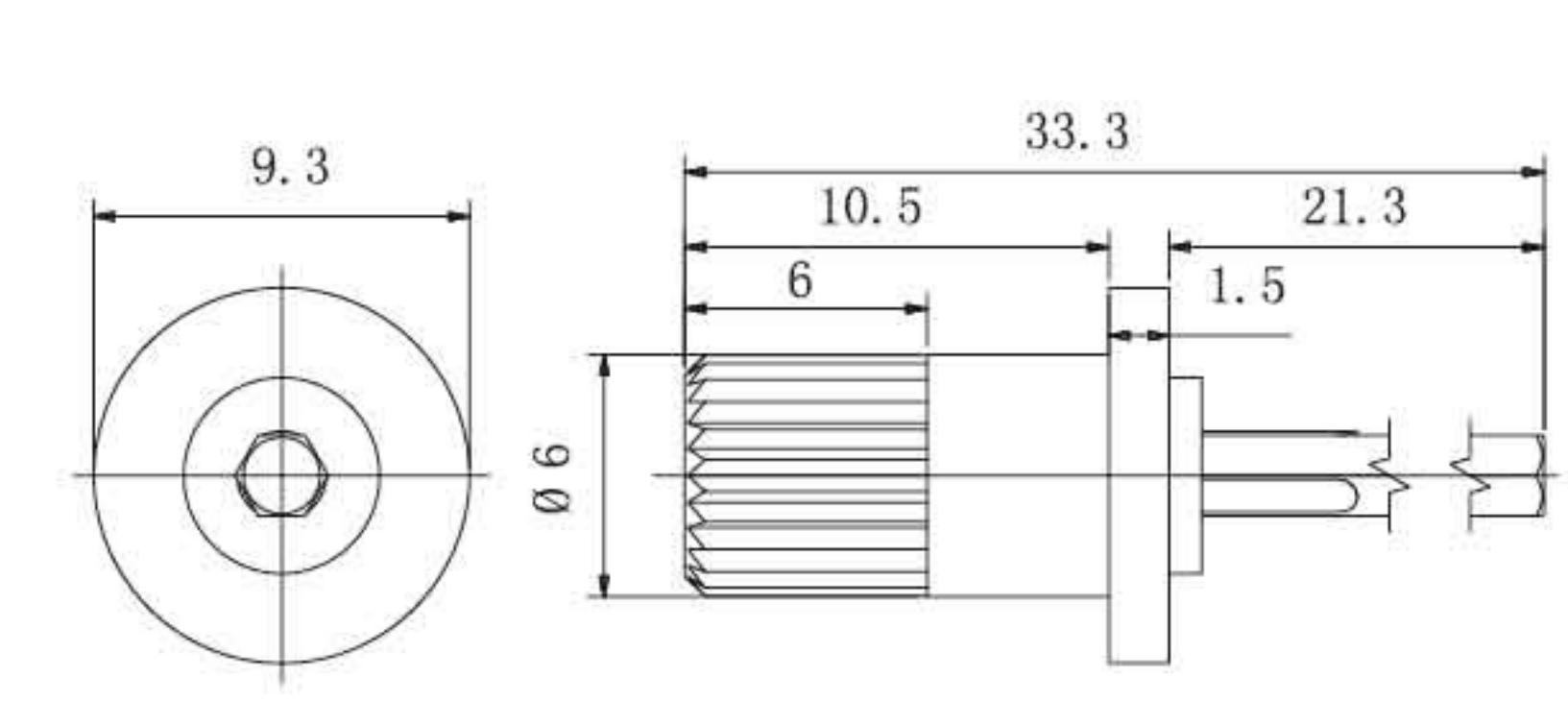


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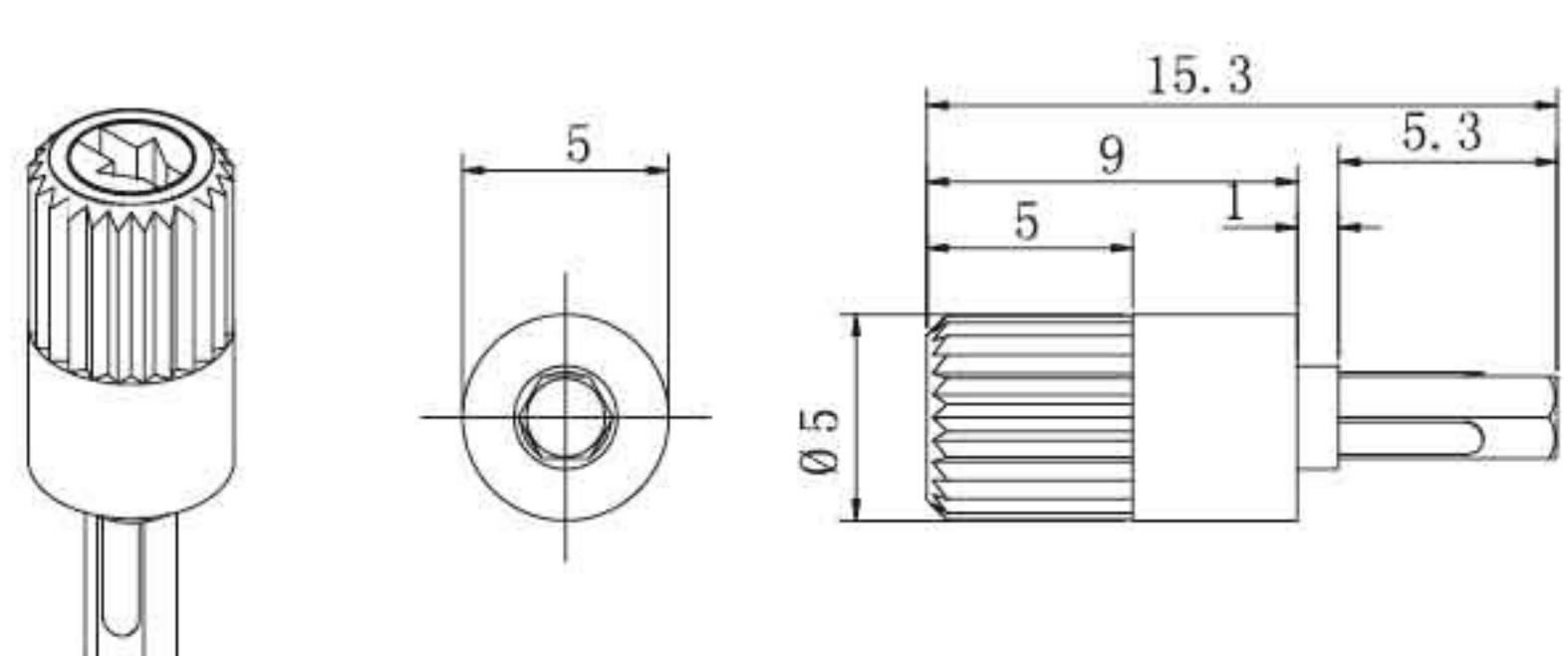


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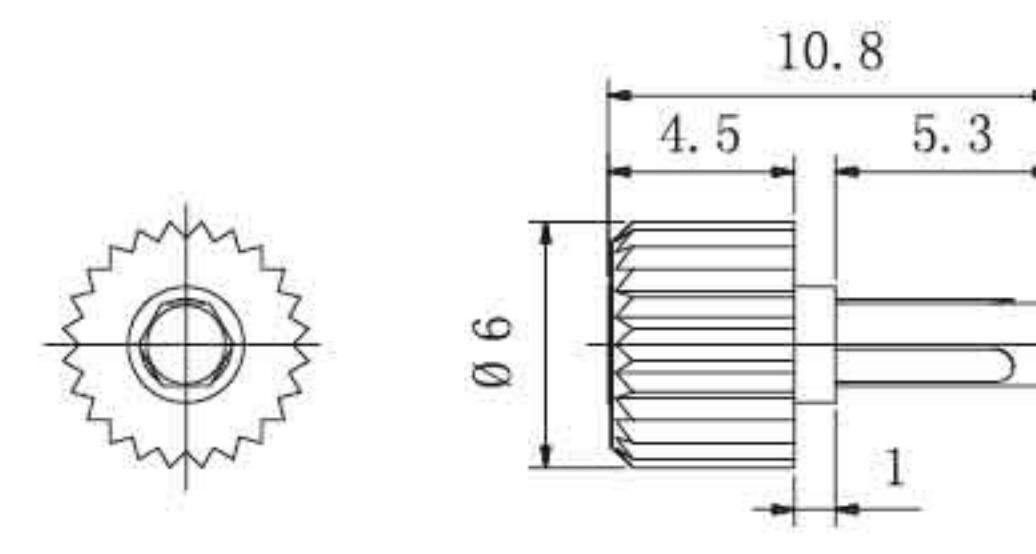
For 4 potentiometers



9064



9067

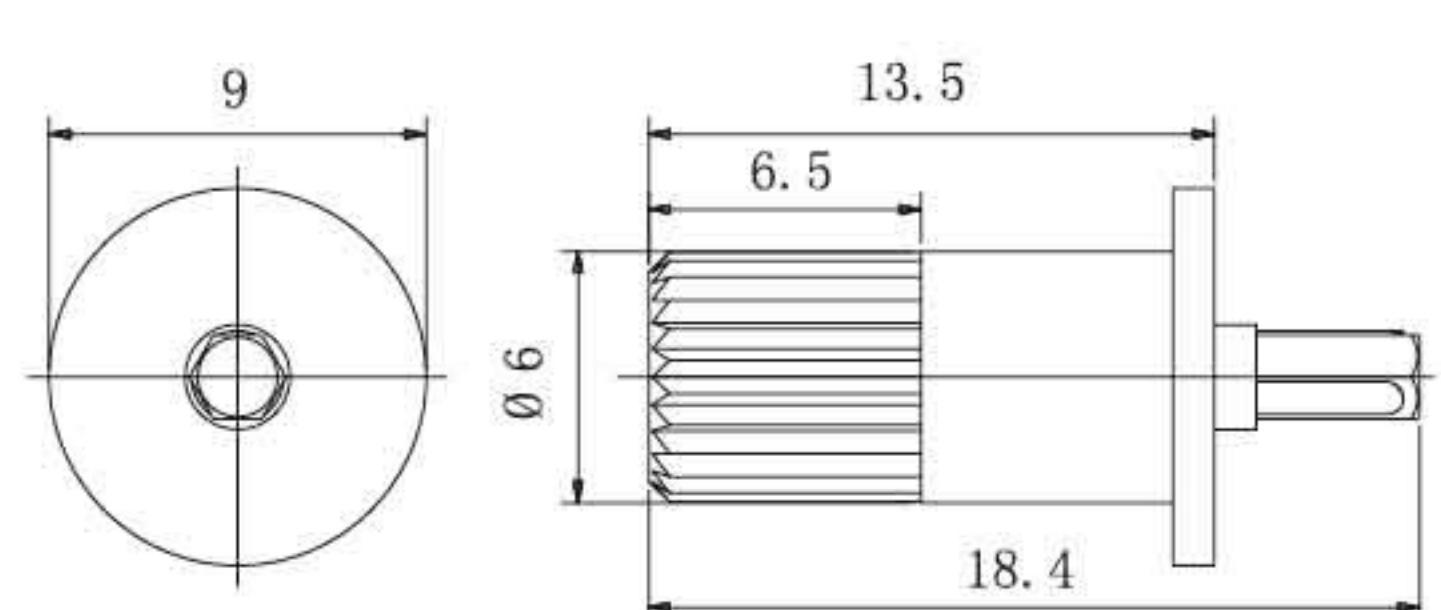
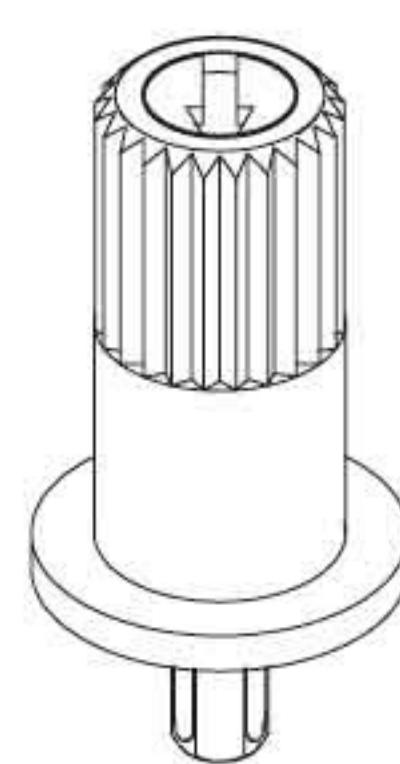


TRIMMER POTENTIOMETER

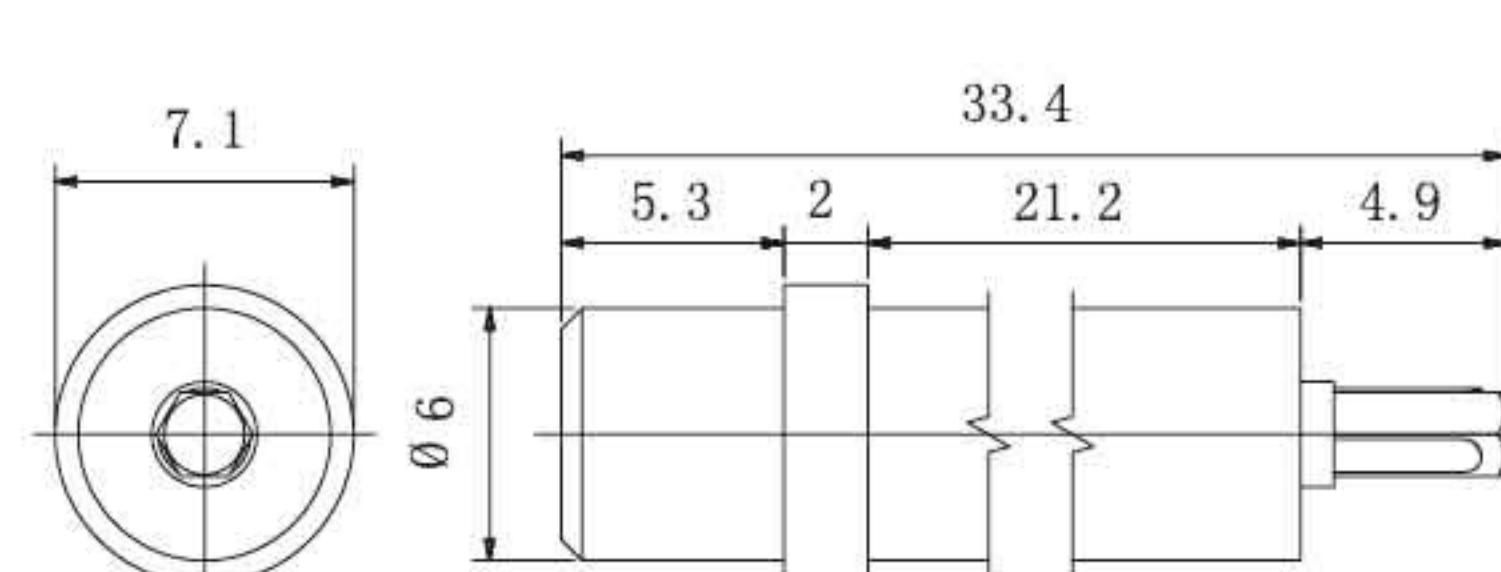
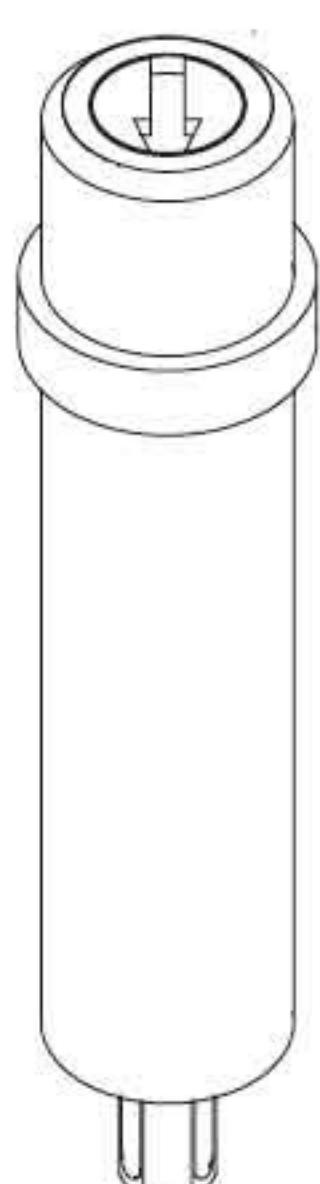


CA9

9009

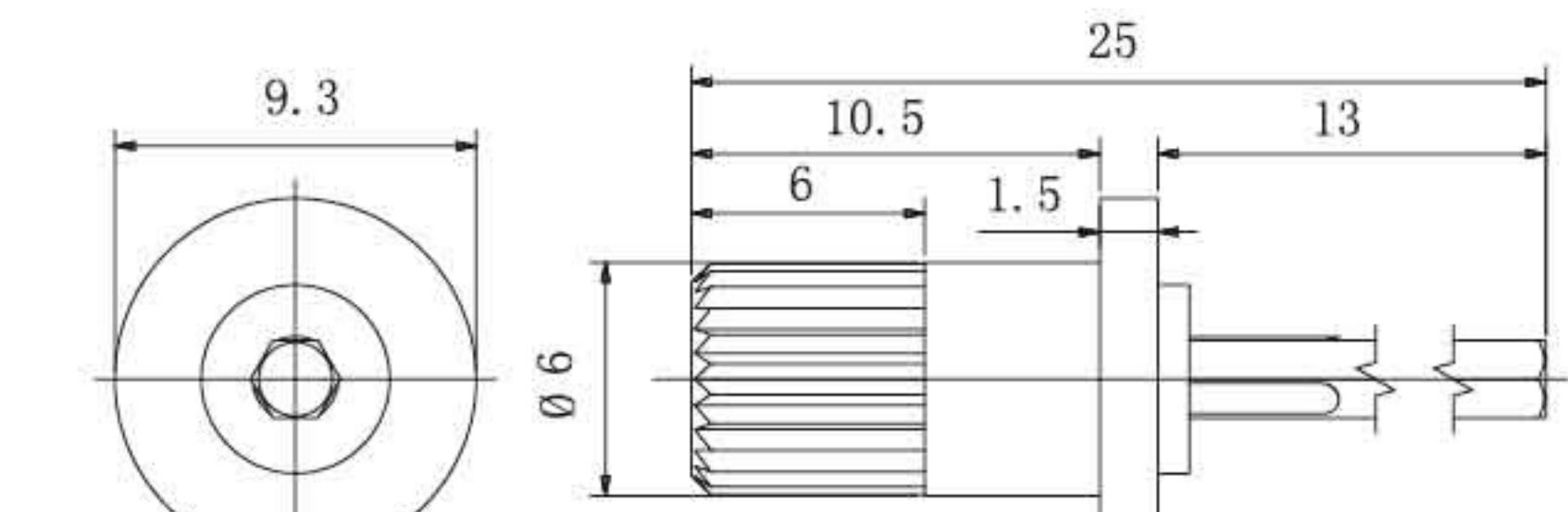
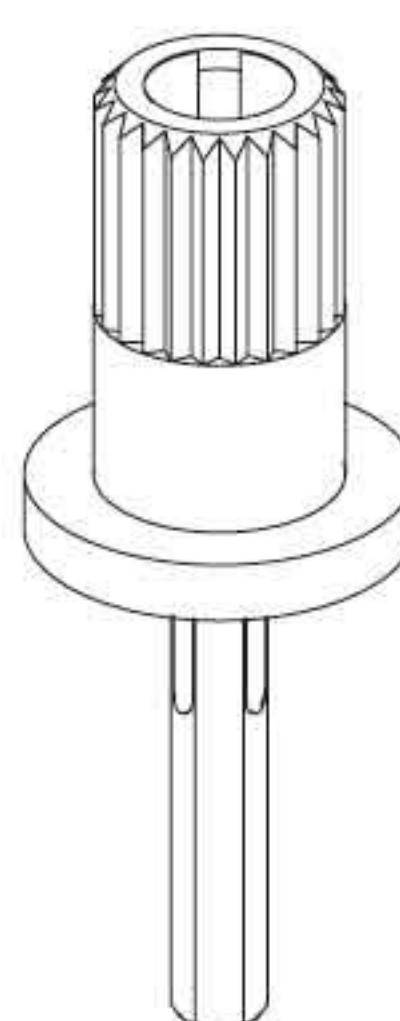


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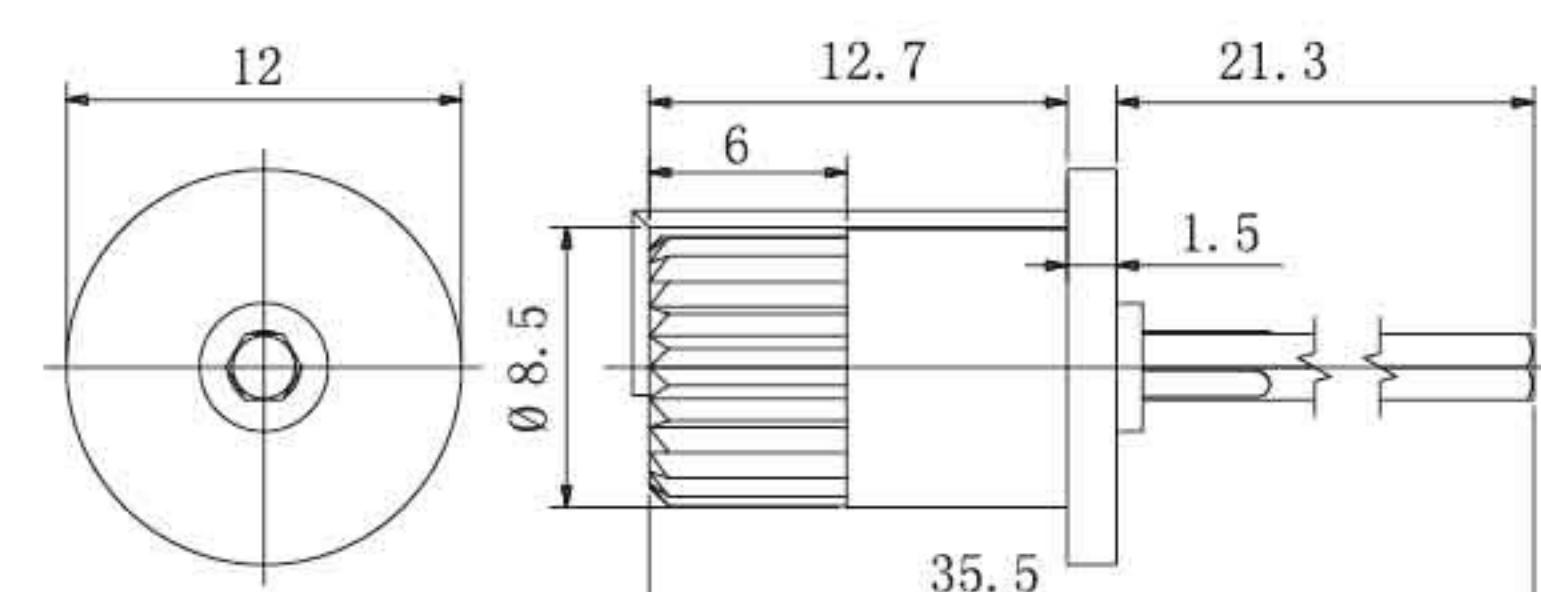
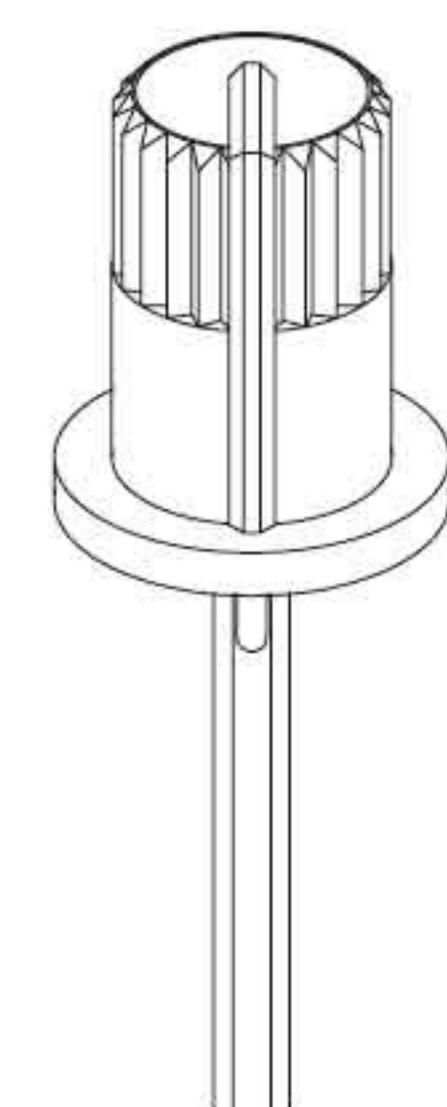
9048

For 2 potentiometers

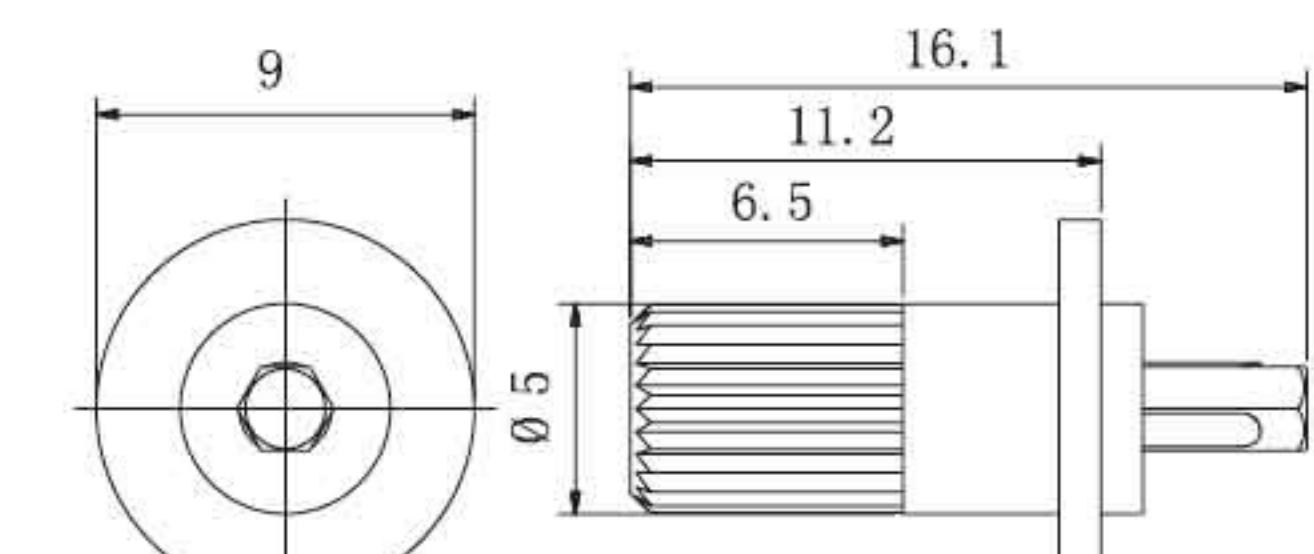
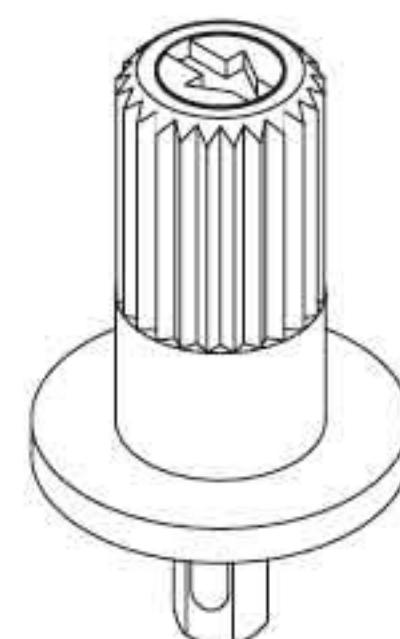


9051

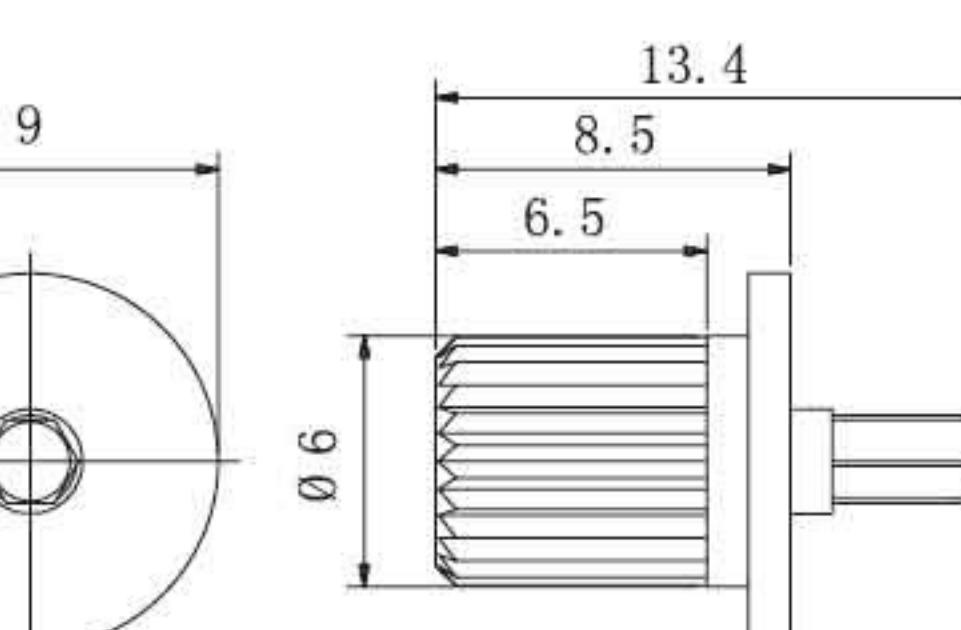
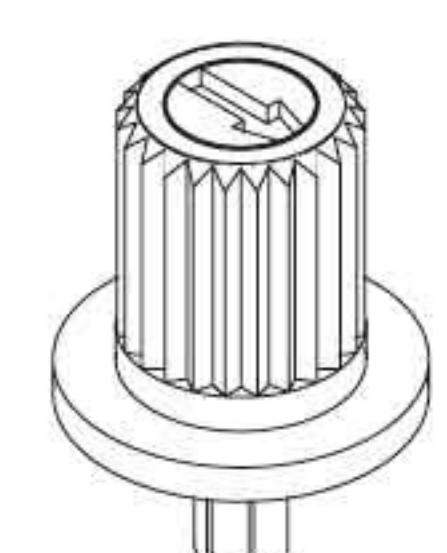
For 4 potentiometers



9053

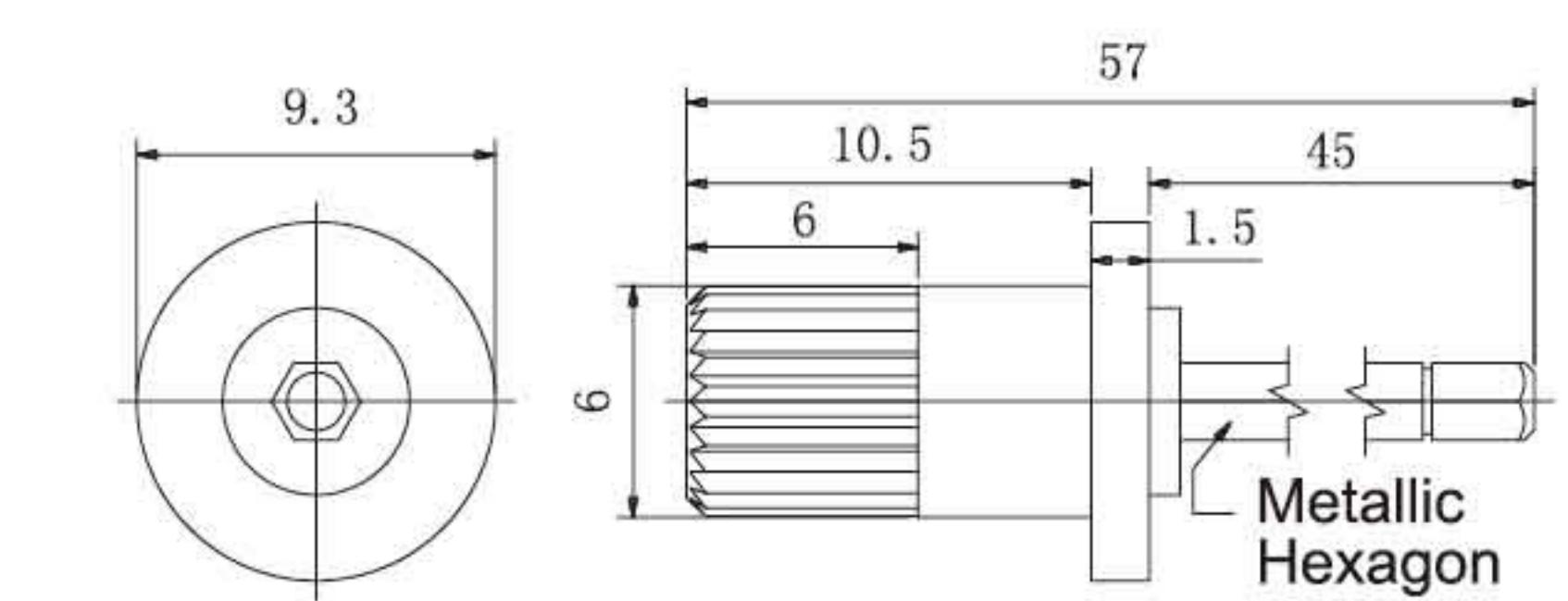
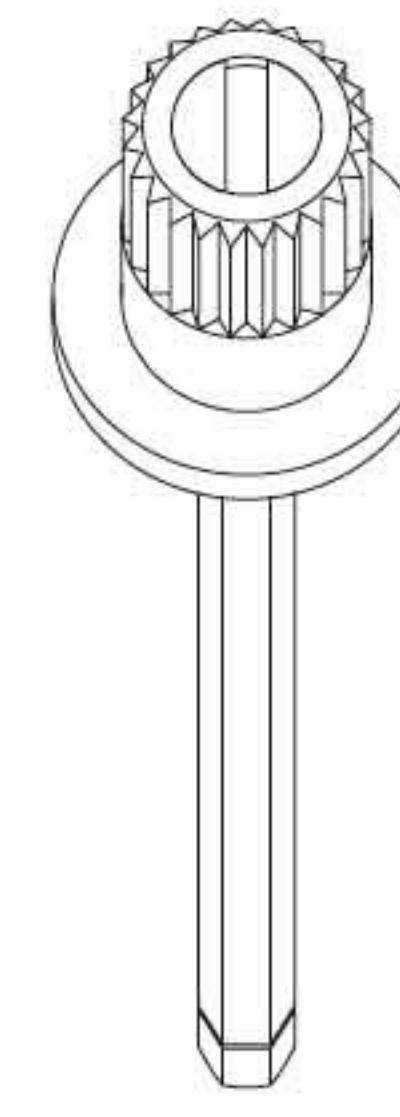


9054

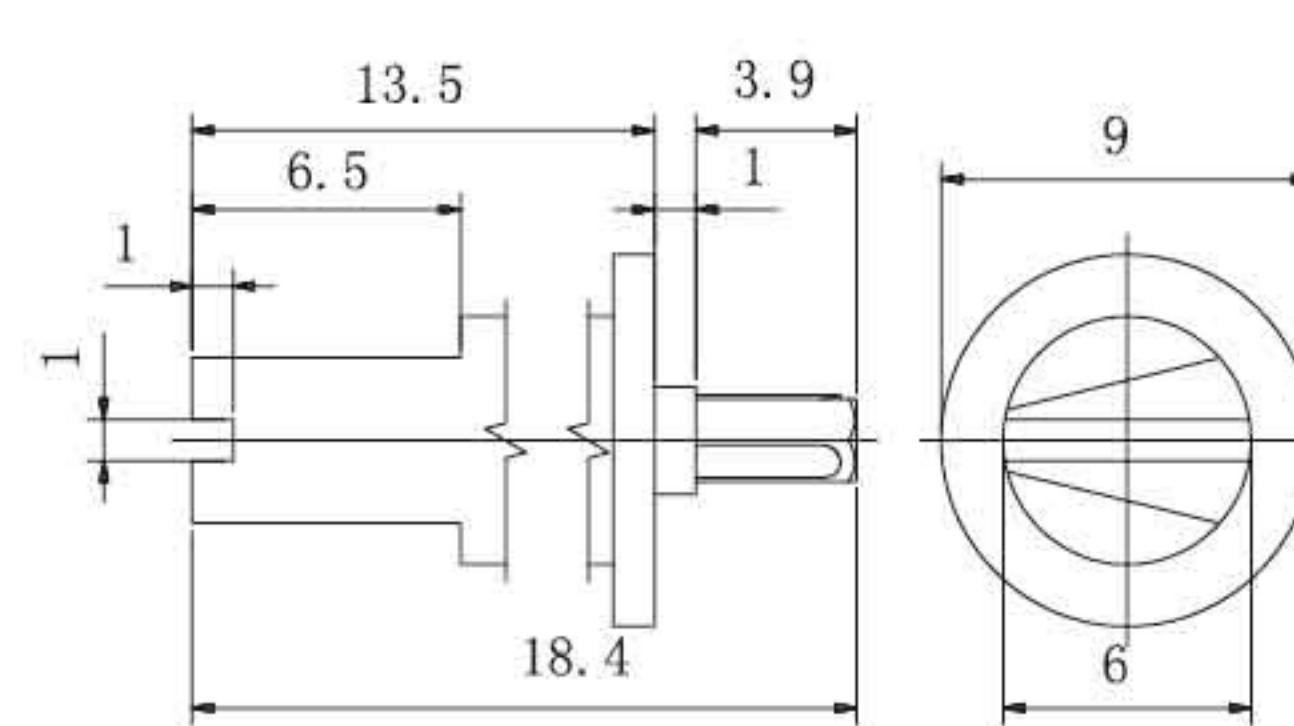
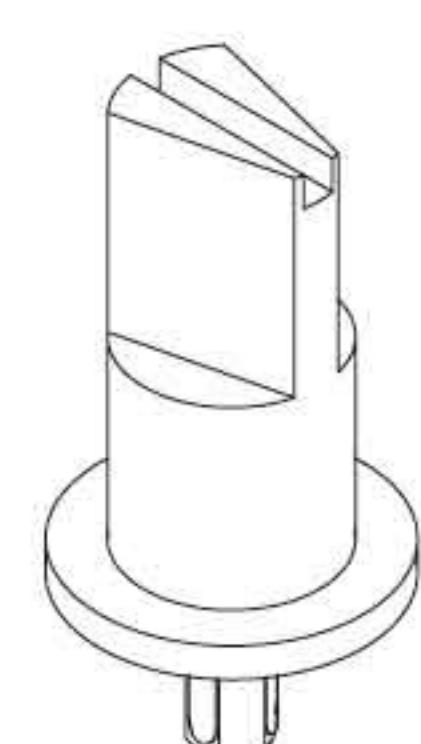


9056

For 8 potentiometers



9063



9041

