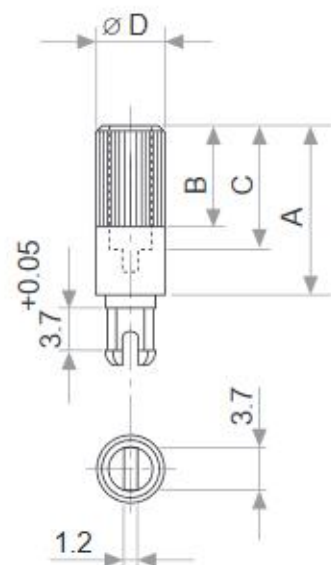
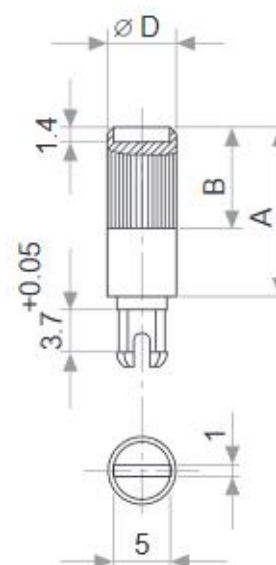


SHAFTS (for N, G and T rotor types, top view)



A = Length (FRS)
 B = Knurling length
 C = Hollow depth
 D = Shaft diameter
 FRS = From rotor surface

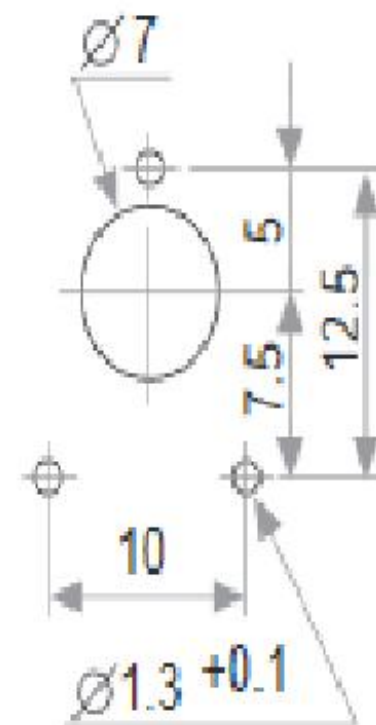
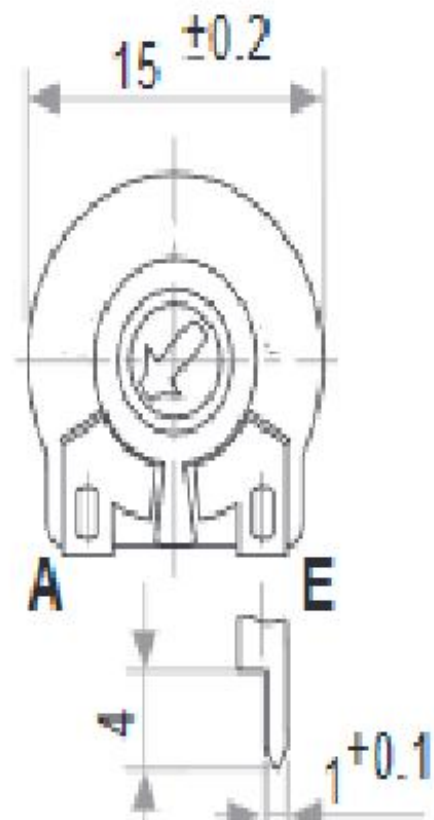
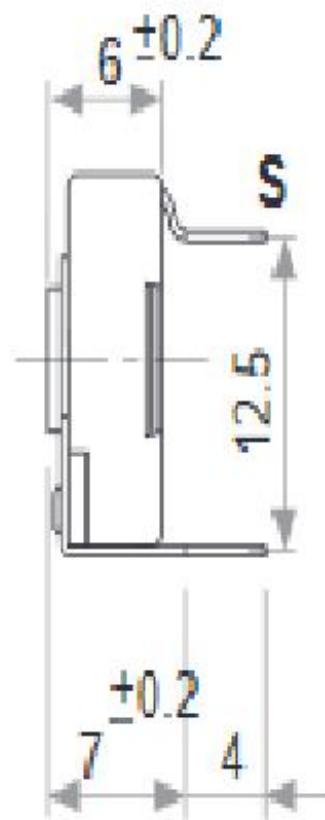
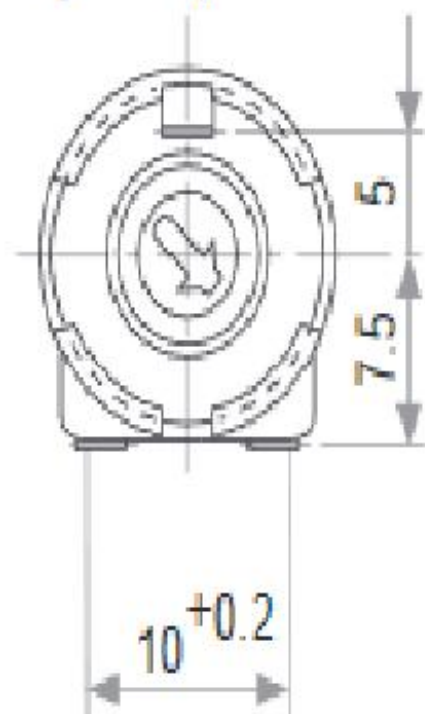
Hollow model shafts					
FIG.	A	B	C	D	Ref.
1	12	9	8	6	5272
2	19	9	15	6	5214
5	9.5	6.5	5.5	6	5208
9	35	9	31	6	5216
10	37.8	9	33.8	6	5218
11	35	25	15	6	5209
13	7.8	4.8	3.8	6	5265



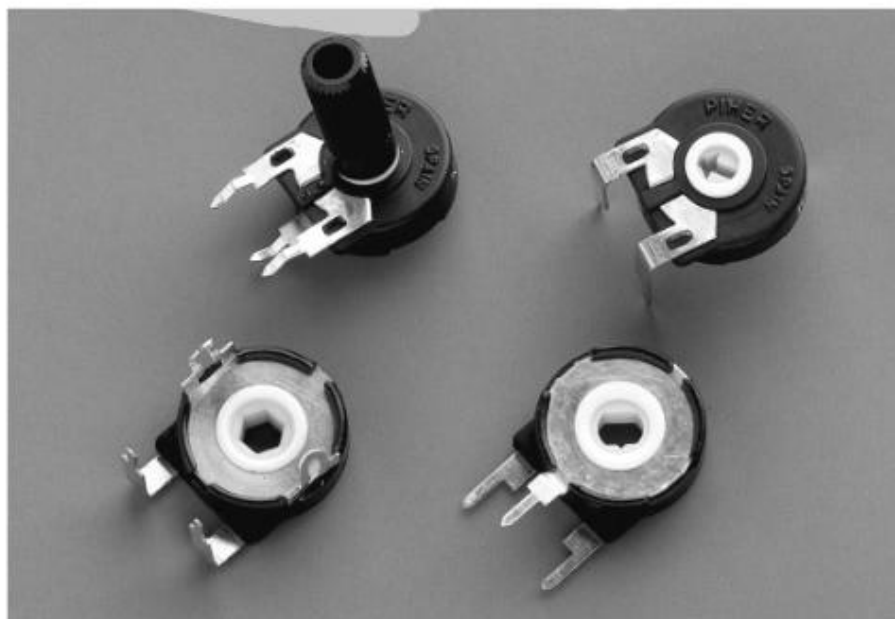
Solid model shafts				
FIG.	A	B	D	Ref.
6	15	9	6	5219
7	16.8	9	6	5220
8	25.3	9	6	5207
12	46	5	6	5227

Slot (1 x 1.4) perpendicular to wiper position. Fig. 12 slot is on line with wiper position.

v (12.5)



A = Initial **S** = Wiper **E** = Final



PT-15

15 mm Carbon Potentiometer

FEATURES

- Carbon resistive element.
- IP54 protection according to IEC 60529.
- Polyester substrate.
- Also upon request:
 - Long life model for low cost control pot. applications
 - Low torque option
 - Supplied in magazines for automatic insertion.
 - Wiper positioned at initial, 50% or fully clockwise.
 - Self extinguishable plastic UL 94V-0.
 - Cut track option.
 - Special Tapers.
 - Mechanical detents.

MECHANICAL SPECIFICATIONS

- Mechanical rotation angle: $265^\circ \pm 5^\circ$
 $240^\circ \pm 5^\circ$ available upon request.
- Electrical rotation angle: $240^\circ \pm 20^\circ$
- Torque: 0.5 to 2.5 Ncm.
(0.7 to 3.4 in-oz)
- Stop torque: > 10 Ncm. (>14 in-oz)
- Life*: Up to 100K cycles

* Others: check

** Up to 85°C depending on application.

ELECTRICAL SPECIFICATIONS

- Range of values*:
 $100\Omega \leq R_n \leq 5M\Omega$ (Decad. 1.0 - 2.0 - 2.2 - 2.5 -4.7 -5.0)
- Tolerance*: $100\Omega \leq R_n \leq 1M\Omega$: $\pm 20\%$
 $1M\Omega \leq R_n \leq 5M\Omega$: $\pm 30\%$
- Max. Voltage: 250 VDC (lin) 125 VDC (no lin)
- Nominal Power 50°C (122°F) (see power rating curve)
 0.25 W (lin) 0.12 W (no lin)
- Taper*: (Log. & Alog. only $R_n \geq 1K$) Lin ; Log; Alog.
- Residual resistance*: $\leq 0.5\% R_n$ (5Ω min.)
- Equivalent Noise Resistance: $\leq 3\% R_n$ (3Ω min.)
- Operating temperature**: $-25^\circ\text{C} + 70^\circ\text{C}$ ($-13^\circ\text{F} + 158^\circ\text{F}$)