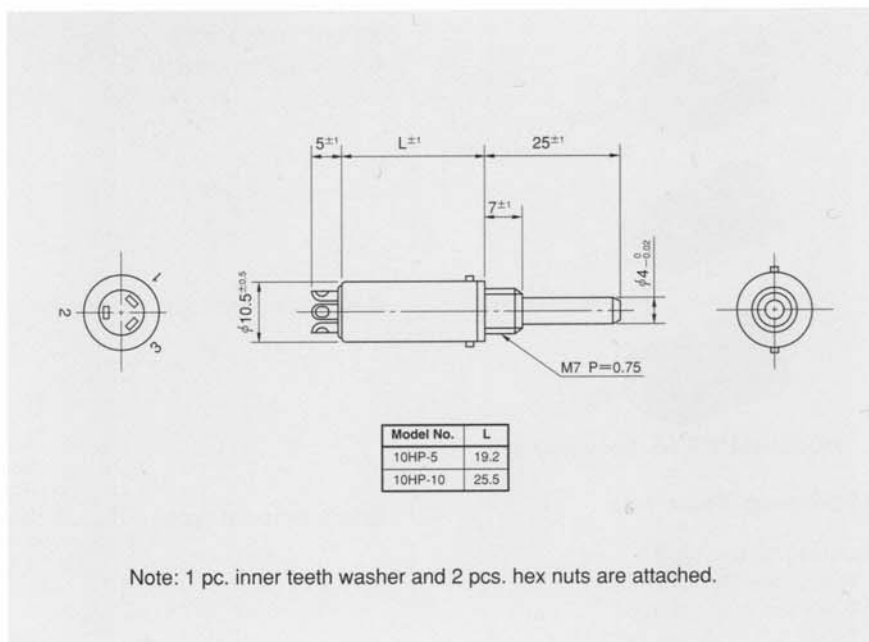


● Standard Dimensions



● Standard Model Nos.

10HP-5 (5-turn)  
10HP-10 (10-turn)

● General Specifications

Standard Resistance

Range: 100  $\Omega$  to 20k  $\Omega$  (5-turn)  
100  $\Omega$  to 50k  $\Omega$  (10-turn)

Max. Practical

Resistance Value: 50k  $\Omega$  (5-turn)  
100k  $\Omega$  (10-turn)

Total Resistance

Tolerance: Standard Class  $\pm 3\%$  (H)  
Precision Class  $\pm 1\%$  (F)

Independent Linearity

Tolerance: 5-turn 10-turn  
Standard Class  $\pm 0.35\%$   $\pm 0.25\%$   
Precision Class  $\pm 0.2\%$   $\pm 0.1\%$   
(Below 5k  $\Omega$ ) ( $\pm 0.25\%$ ) ( $\pm 0.15\%$ )

Power Rating:

0.5W (5-turn)  
1.0W (10-turn)

Noise:

Below 100  $\Omega$  E.N.R.

Electrical Travel:  $360^\circ \times n \pm 5^\circ$  (n: No. of turns)

Mechanical Travel:  $360^\circ \times n + 30^\circ$  (n: No. of turns)  
 $0^\circ$

Insulation Resistance: Over 100 M  $\Omega$  at 500V.D.C.

Dielectric Strength: 1 minute at 500V.A.C.

Starting Torque: Below 3mN  $\cdot$  m (30gf  $\cdot$  cm)

Stopper Strength: Approx. 0.1N  $\cdot$  m (1kgf  $\cdot$  cm)

Max. Torque exerted  
on fastening the  
mounting nut to  
the bushing:

Below 1N  $\cdot$  m (10kgf  $\cdot$  cm)

Max. Working Voltage: 450V

Resist. Temperature

Coefficient of Wire:  $\pm 20$ p.p.m./ $^\circ$ C

Mass: Approx. 17g (5-turn)

Approx. 20g (10-turn)

● Standard Resistance Values ■ No. of Wire Turns ■ Resistance Wire Used

Resist. Value ( $\Omega$ )	100	200	500	1k	2k	5k	10k	20k	50k	100k
10HP-5	750	620	830	1,050	1,330	1,820	2,300	2,940	※3,900	—
10HP-10	1,200	1,500	1,350	1,670	2,100	2,860	3,640	4,550	6,250	※7,850
Resist. Wire Used	Cu-Ni System		Ni-Cr System							

Note: Mark ※ shows values at special higher practical resistance.

● Special Specifications Available

3-turn type (S10HP-3), Lower resistance values (20  $\Omega$ , 50  $\Omega$ ), Shaft dia. ( $\phi$  3.175mm)  $\cdot$  bushing with inch dimensions, Special machining on the shaft, Shaft with front and rear extension (Rear shaft with 0.8mm dia. and 10mm length).