

Turn Probes

■ **Features:** The plunger rotates while stroking, breaking flux and oxide film. Mainly used for PCB open-shot testing. Receptacle stopper is machined smaller in I.D. to prevent fall-off of Probe.

Turn Probes



Receptacles for Turn Probes



Turn Probes

No.	Part	Material	Surface Treatment
①	Plunger	SK4	Rhodium Plating on Nickel Undercoat
②	Barrel	Brass*	Gold Plating on Nickel Undercoat
③	Spring	SWP	Gold Plating on Nickel Undercoat
④	Ball*	Brass	Gold Plating on Nickel Undercoat

* For TNP60, the material of barrel is German silver. * Ball is not included in TNP72.

Ⓜ Inside of Probe Barrel is greased.

Receptacles

No.	Part	Material	Surface Treatment
⑤	Receptacles	Brass	Gold Plating on Nickel Undercoat
⑥	Wire Wrap Post	Brass	Gold Plating on Nickel Undercoat

Ⓜ The receptacle has a stopper that prevents the probe from being pulled out.

Turn Probe Tip Shape (C, K) Dimensions

Part Number	d	d1	(L)	(L1)
TNP72	0.53	0.53	1.0	-
TNP10	0.73	1.0	1.4	2.5
TNP60	1.0	2.0	1.9	2.0

TNP72

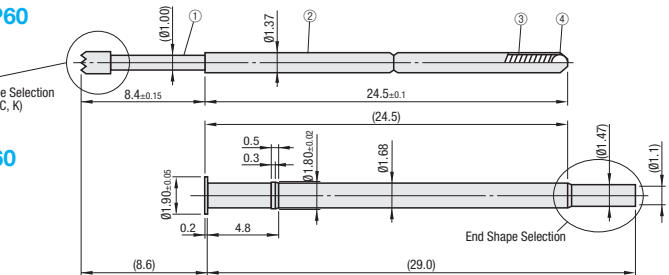
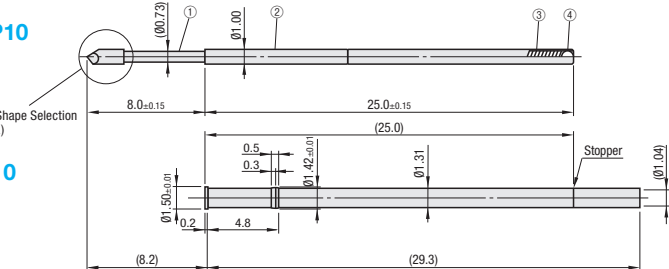
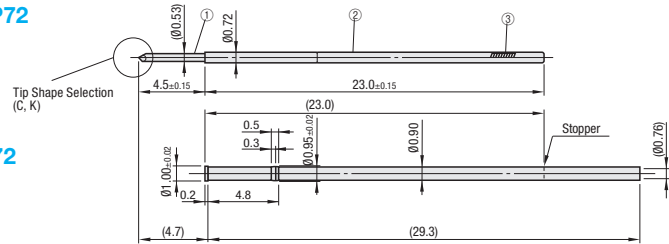
NR72

TNP10

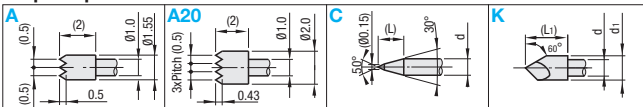
NR10

TNP60

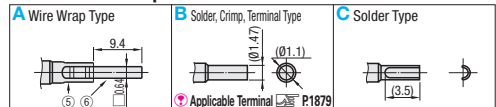
NR60



• Tip Shapes



• NR60 End Shapes



Turn Probes

Part Number	Mounting Pitch (min.)	Full Stroke	Spring Pressure		Allowable Current	Resistance	Replacement Cycle (Reference)	Unit Price (Reference)	Volume Discount Rate
			Initial	2/3 Stroke					
TNP72	1.27mm	4.5mm	10gf	50gf	1.5A	250mΩ	300,000 times	1 - 69 pc (s), 70-99 100-500	
TNP10	1.9mm	5.5mm	20gf	140gf		200mΩ	300,000 times		
TNP60	2.54mm	6.4mm	50gf	165gf		200mΩ	100,000 times		

Ⓜ For orders larger than indicated quantity, please request a quotation.

Receptacles for Turn Probes

Part Number	Applicable Turn Probes	Mounting Hole for Press-Fitting Dimension (Reference)	Unit Price (Reference)	Volume Discount Rate
NR72	TNP72	0.93-0.94mm		
NR10	TNP10	1.39-1.41mm		
NR60	TNP60	1.77-1.79mm		

Ⓜ For NR60, please select the end shape.

Ⓜ For orders larger than indicated quantity, please request a quotation.

Ordering Example	Part Number	Tip (End) Shape
	TNP72	C
	TNP60	C
	NR60	C



Example

Pattern C

