

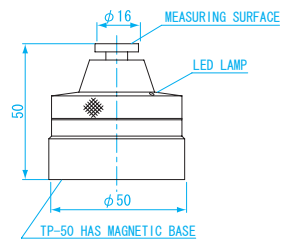
TOOL POINT GAUGE



TP-50

DIMENSIONS

Units: mm



USE • High accuracy position detection

FEATURES

- Alloy tool steel
- Zero point with light sensor(electr)
- Zero point setting (NC lathe, Machining Center)

POWER • One LR44 (lithium) battery included for testing

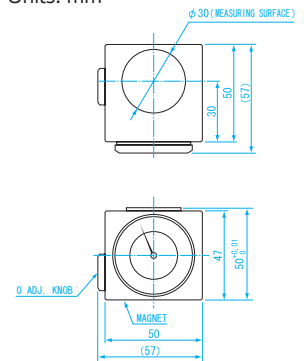
Order No.	Model No.	Nominal Size (mm)	Accuracy (mm)	Repeatability	Measuring Force
013205	TP-50	50	$50^{+0.005}_0$	$\pm 1\mu\text{m}$	2.5N
013206	TP-50M	50	$50^{+0.005}_0$	$\pm 1\mu\text{m}$	2.5N
Stroke		Magnetic Force		Weight	
3mm		-		300g	
3mm		29N		300g	

TOOL POINT GAUGE WITH DIAL GAUGE



DIMENSIONS

Units: mm



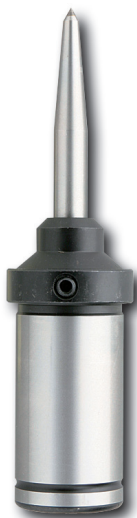
USE • Position detection with dial gauge

FEATURES

- Measuring surface: SKD11
- Body : S45C
- Easy zero setting with dial gauge
- With magnet on the bottom surface

Order No.	Model No.	Nominal Size (mm)	Accuracy (mm)	Repeatability (m)	Measuring Force less than	Dial gauge Graduation (mm)
013207	DTP-50M	50	$50^{+0.01}_0$	$\pm 10\mu\text{m}$	5N	0.01
Stroke		Magnetic Force		Weight		
2mm		100N		840g		

POINT MASTER WITH CARBIDE TIP



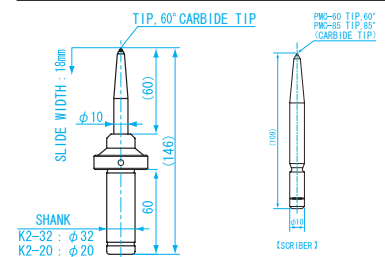
K2-32



K2-20

DIMENSIONS

Units: mm



USE • Marking for milling operation

FEATURES

- Body · Scriber: Carbon tool steel
- Tip: Carbide tip
- High accuracy marking operation can be performed
- 60° carbide tip comes with standard

SPECIFICATION

- Slide width: 18mm
- Spring strength: 3.5-4N (for 10mm spring compression)
- Concentricity: 0.02mm
- Steel ball diameter: 5mm

Order No.	Model No.	Point Angle	Length (mm)	Scriber Diameter (mm)	Weight
013420	K2-32	60°	146	10	510g
013425	K2-20	60°	146	10	280g
013421	PMC-60(Scriber)	60°	109	10	58g
013422	PMC-85(Scriber)	85°	109	10	54g