



PROTRACTOR K AidAN No.19



Easy-to-read by newly and originally designed blade and graduation



USE

- Angle measurement

MATERIAL

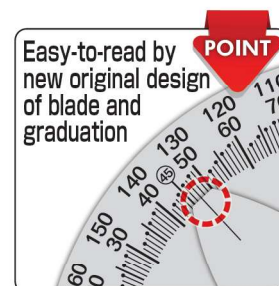
- Stainless steel

FEATURES

- Easy-to-read by Kaidan style graduation plus blade designed not to hide graduation

SPECIFICATIONS

- Protractor size $\phi 90\text{mm} \times (\text{T}) 1.2\text{mm}$
- Blade size $\phi 90\text{mm} \times (\text{T}) 1.2\text{mm}$
- Blade 10cm ruler



Order No.	Model No.	Maximum angle	Graduation	Accuracy	Weight
008006	PRT-19KD	180°	1°	± 20'	60g

LEVELNIC



PROTRACTOR K AidAN No.30



New original design of graduation



USE

- Angle measurement

MATERIAL

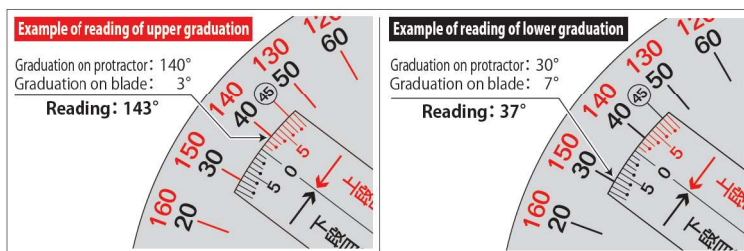
- Stainless steel

FEATURES

- Reading: Total of degree on protractor (10° unit) and matched degree on blade (1° unit)

SPECIFICATIONS

- Protractor size $\phi 120\text{mm} \times (\text{T}) 1.5\text{mm}$
- Blade size $\phi 240\text{mm} \times (\text{T}) 1.5\text{mm}$
- Blade 10cm ruler

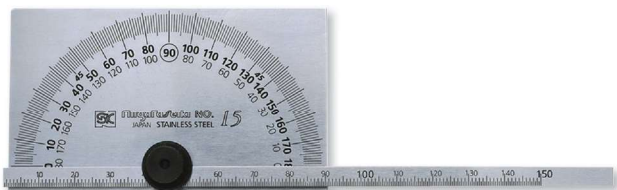


Order No.	Model No.	Maximum angle	Graduation	Accuracy	Weight
008031	PRT-30KD	180°	1°	± 20'	117g

PROTRACTOR No.15



With sliding graduated blade



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- With rectangle head
- The blade is firmly set on the center of the protractor by a knurled nut and adjustable to any desired angle for use as a protractor
- Also can measure depth

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Protractor size: (H)52mm × (W)90mm × (T)1.2mm
- Blade size: (L)177mm × (T)1.2mm
150mm ruler (graduation: 0.5mm)

Order No.	Model No.	Weight
008000	PRT-15	80g

PROTRACTOR No.19



No.19 polished finish with graduated blade



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Polished finish

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Protractor size: $\phi 90\text{mm} \times (T) 1.2\text{mm}$
- Blade size: (L)204mm × (T)1.2mm
100mm ruler (graduation: 1mm)

For angle measurement

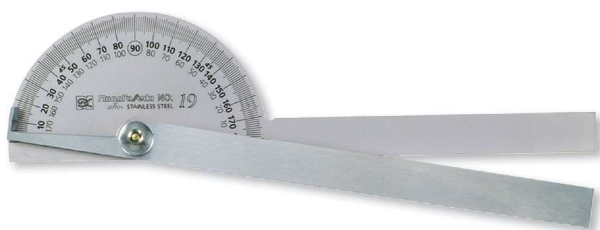


Order No.	Model No.	Weight
008001	PRT-19	81g

PROTRACTOR No.19



No.19 with two blades



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- With two blades
- Satin finish
- Can measure acute angle down to 10°

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Size: $\phi 90\text{mm} \times (T) 1.2\text{mm}$
- Blade size: (L)204 × (T)1.2mm

Order No.	Model No.	Weight
008002	PRT-19SW	110g

PROTRACTOR No.19



No.19 satin finish with graduated blade



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Satin finish

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Size: $\phi 90\text{mm} \times (T) 1.2\text{mm}$
- Blade size: (L)204mm × (T)1.2mm
100mm ruler (graduation: 1mm)

Order No.	Model No.	Weight
008003	PRT-19S	81g

LEVELNIC

PRECISION LEVEL

ANGLE

LEVEL

PROTRACTOR

PROTRACTOR No.19A

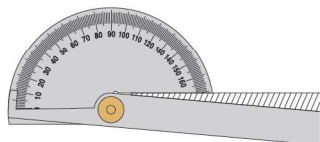


HOW TO MOVE

Cut out protractor suitable for acute angle measurement



● Example of use



Measurement of acute angle

USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Polished finish
- Cutout for measuring small angle

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 90°
- Accuracy: ±20'
- Protractor size: φ90mm × (T) 1.2mm
- Blade: (L) 204mm × (T) 1.2mm

Order No.	Model No.	Weight
008004	PRT-19A	90g

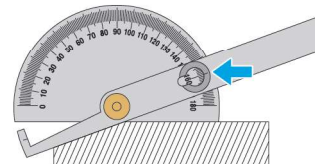
PROTRACTOR No.19B



HOW TO MOVE



● Example of use



Window with the baseline for easier scale reading

USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Polished finish
- Protractor blade contains stop for setting a baseline angle and measuring against that set point

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Protractor size: φ90mm × (T) 1.2mm
- Blade: (L) 204mm × (T) 1.2mm

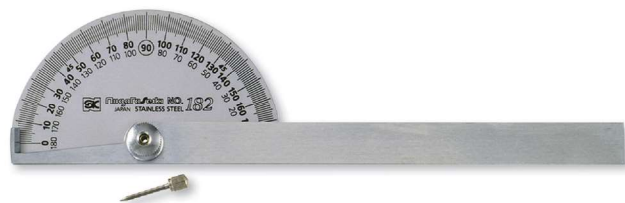
Order No.	Model No.	Weight
008005	PRT-19B	90g

PROTRACTOR No.182



HOW TO MOVE

With a needle in the lock nut for marking



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Satin finish
- Center lock nut has a built in needle for marking center point

SPECIFICATIONS

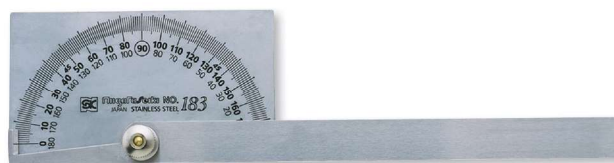
- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Protractor size: φ90mm × (T) 1.2mm
- Blade: (L) 204mm × (T) 1.2mm

Order No.	Model No.	Weight
008182	PRT-182S	155g

PROTRACTOR No.183



HOW TO MOVE



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- With rectangle head
- Satin finish

SPECIFICATIONS

- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±20'
- Protractor size: (H) 52mm × (W) 90mm × (T) 1.2mm
- Blade: (L) 204mm × (T) 1.2mm

Order No.	Model No.	Weight
008183	PRT-183S	90g

PROTRACTOR No.30

Recommended for plate working



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Angle measurement
- Satin finish
- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±15'
- Protractor size: $\phi 120\text{mm} \times$ Thickness 1.5mm
- Blade size: (L)315mm \times (T)1.5mm

Order No.	Model No.	Weight
008030	PRT-30S	190g



LEVELNIC

PRECISION

LEVEL

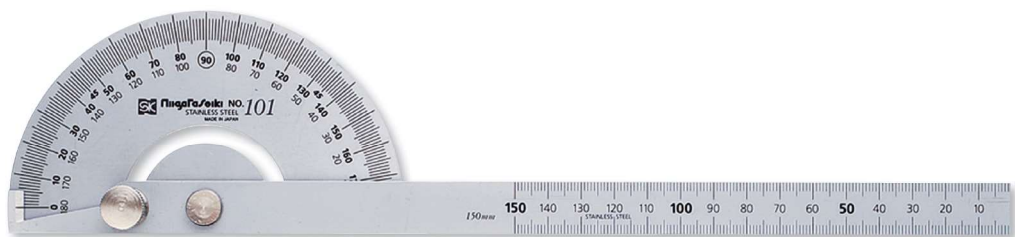
ANGLE

LEVEL

PROTRACTOR

PROTRACTOR No.101

Recommended for plate working.
Fixable and graduated blade.



USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Satin finish
- Blade can be fixed. Ideal for work requiring high accuracy.

SPECIFICATIONS

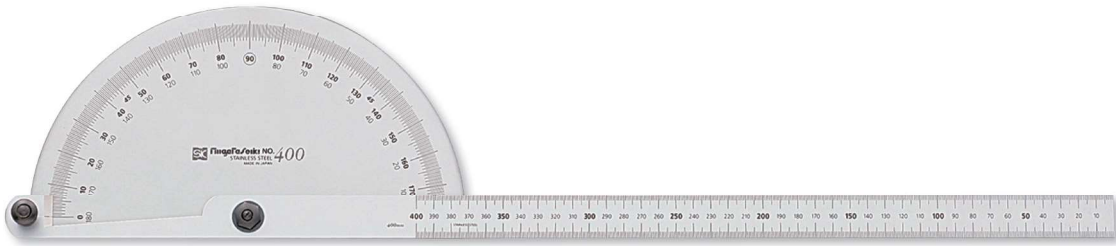
- Graduation: 1°
- Maximum angle: 180°
- Accuracy: ±15'
- Protractor size: $\phi 120\text{mm} \times$ (T)1.5mm
- Blade size: 304mm \times (T)1.5mm

Order No.	Model No.	Weight
008101	PRT-101S	158g

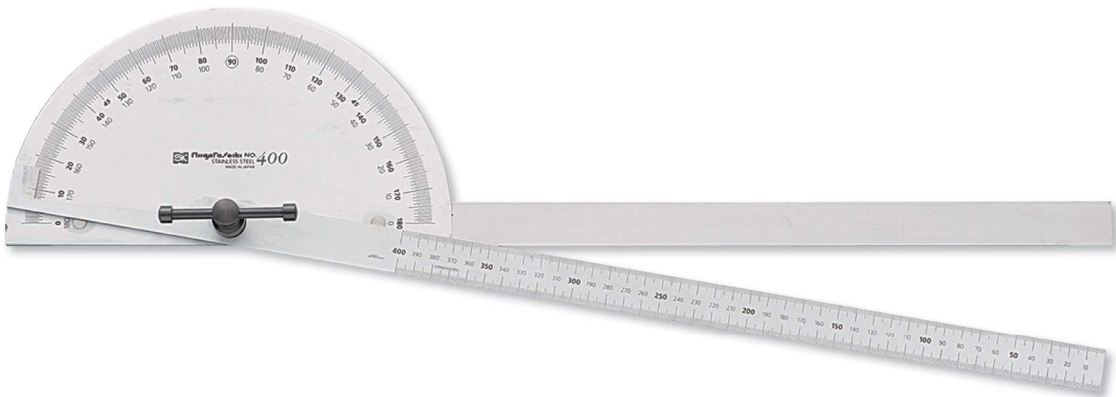
PROTRACTOR No.300 • No.400 • No.600 • No.1000



Large size protractor.
Please choose a suitable model based on your work size.



PRT-400S



PRT-400SW

USE

- Angle measurement

MATERIAL

- Stainless steel

FEATURES

- Satin finish
- With T-handle lock nut (PRT-300SW, PRT-400SW)

SPECIFICATIONS

- Graduation: 0.5°
- Maximum angle: 180°
- Accuracy: ±15'

Order No.	Model No.	Size	Diameter (mm)	Thickness (mm)	Number of blade	Blade Length (mm)	Blade Thickness (mm)	Graduation on Blade	Weight
008300	PRT-300S	300mm	210	2.0	1	500	2.0	300mm (1mm step)	610g
008400	PRT-400S	400mm	250	2.0		634	2.0	400mm (1mm step)	700g
008600	PRT-600S	600mm	320	2.5		823	2.5	600mm (1mm step)	1.6kg
008700	PRT-1000S	1000mm	320	2.5		1260	2.5	1000mm (1mm step)	2kg
008302	PRT-300SW	300mm	210	2.0	2	500	2.0	300mm (1mm step)	670g
008402	PRT-400SW	400mm	250	2.0		634	2.0	400mm (1mm step)	1.1kg
008602	PRT-600SW	600mm	320	3.2		823	2.5	600mm (1mm step)	2.45kg
008702	PRT-1000SW	1000mm	320	3.2		1260	2.5	1000mm (1mm step)	3.15kg

PROTRACTOR No.192



To be attached onto machines and jigs



PRT192-120S

USE

- Angle measurement to be attached onto machines and jigs

MATERIAL

- Stainless steel

FEATURES

- Polished finish: PRT192-90S
- Satin finish: PRT192-120S · PRT192-200S · PRT192-250S · PRT192-300S

Order No.	Model No.	Graduation	Maximum Angle	Diameter (mm)	Thickness (mm)	Accuracy	Weight
008901	PRT192-90S	1°	180°	90	1.2	±20'	40g
008903	PRT192-120S			120	1.5		80g
008930	PRT192-200S	0.5°	180°	210	2.0	±15'	310g
008940	PRT192-250S			250	2.0		440g
008960	PRT192-300S			320	2.5		870g



LEVELNIC

PRECISION LEVEL

ANGLE

LEVEL

PROTRACTOR

PROTRACTOR No.192-S2



To be attached onto machines and jigs



PRT192-200S2

USE

- Angle measurement to be attached onto machines and jigs

MATERIAL

- Stainless steel

FEATURES

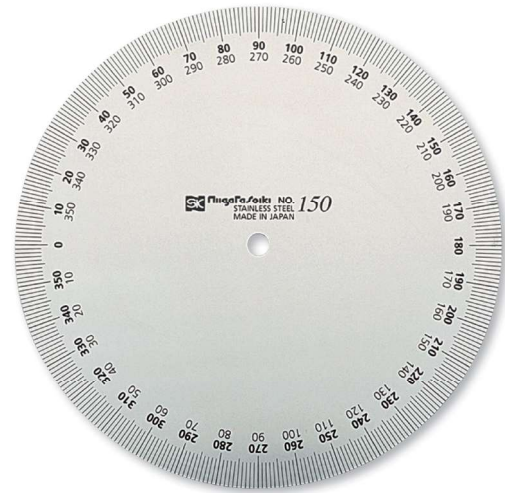
- Satin finish

Order No.	Model No.	Graduation	Maximum angle	Diameter (mm)	Thickness (mm)	Accuracy	Weight
008911	PRT192-90S2	1°	180°	90	1.2	±20'	40g
008912	PRT192-120S2			120	1.5		80g
008913	PRT192-200S2	0.5°	180°	210	2.0	±15'	310g
008914	PRT192-250S2			250	2.0		440g
008915	PRT192-300S2			320	2.5		870g

PROTRACTOR No.193



To be attached onto machines and jigs



PRT193-150

USE

- Angle measurement to be attached onto machines and jigs

MATERIAL

- Stainless steel

FEATURES

- A circle plate protractor
- Satin finish

Order No.	Model No.	Graduation	Maximum angle	Diameter (mm)	Thickness (mm)	Accuracy	Weight
009109	PRT193-90	1°	360°	90	1.2	±20'	60g
009112	PRT193-120			120	1.5		140g
009115	PRT193-150			150	1.5		210g
009120	PRT193-200			200	2.0		510g
009125	PRT193-250			250	2.0		780g
009130	PRT193-300			300	2.5		1.38kg



LEVELNIC

PRECISION LEVEL

ANGLE

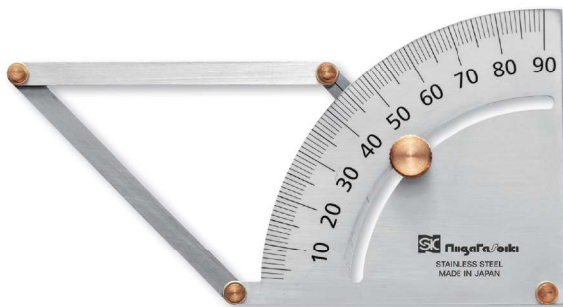
LEVEL

PROTRACTOR

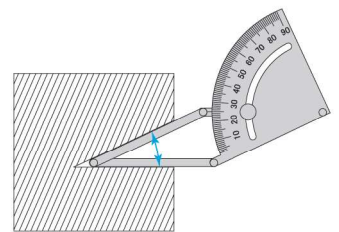
INSIDE PROTRACTOR



Measure interior angles in one step.
Measurements at a glance.



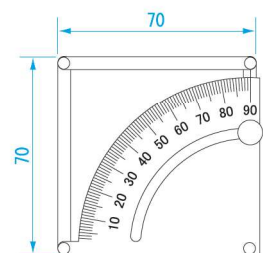
● Example of use



Measurement of interior angles

● DIMENSIONS

Units: mm



USE

- Measurement of interior angles

MATERIAL

- Stainless steel

FEATURES

- Measure interior angles at a glance
- Silver matte finish for better legibility
- With plastic case for convenient carrying

Order No.	Model No.	Graduation	Angle measurement range	Accuracy	Weight
007517	IP-90	1°	10°~90°	±0.5°	43g