Technical Data

Range: Accuracy: Repeatability: Resolution: Battery: Battery life:

±2' (±0.03°) 1' (0.01°) Lithium Battery 2,000 hours

Function Presetting

-360° to +360°

Digital Universal Protractor SERIES 187

- Data output function makes it easy to gather **SPECIFICATIONS** statistical data.
- Can be attached to height gages using a gage holder (950750, metric)Setting preset value.Removable blade.

Order No. Blade length		Remarks (standard accessory)		
187-501 150mm		Height gage holder (950750)		
187-502 300mm		Height gage holder (950750)		
187-551 6"		Height gage holder (950749)		
187-552 12"		Height gage holder (950749)		

187-501





Technical Data Range: 90° × 4 (360°) Graduation: 5 min. (0° - 90° - 0°) Blade edge angle: 30° and 60° Mass: 260g

Universal Bevel Protractor SERIES 187

- High-precision instrument for accurate angle measurement on machines, molds, and jigs.
- Can be attached to height gages.
- Graduation: 5'



SPECIFICATIONS

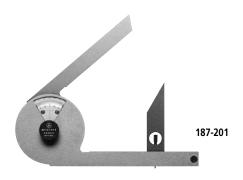
Metric	I		Inch	I	
Order No.	Blade length	Remarks	Order No.	Blade length	Remarks
187-901	150, 300mm	w/60°, 45°, 30° edges	187-902	6", 12"	w/60°, 45°, 30° edges
187-907	150mm	w/60°, 45° edges	187-904	6"	w/60°, 45° edges
187-908	300mm	w/60°, 45° edges	187-906	12"	w/60°, 45° edges

Bevel Protractor SERIES 187

• Consists of three sheets of stainless steel, the middle one of which is made for angle measurements.

CDECIEICATIONS

SPECIFICATIONS						
Order No.	Blade length	Remarks				
187-201	137mm	w/60°, 30° edges				



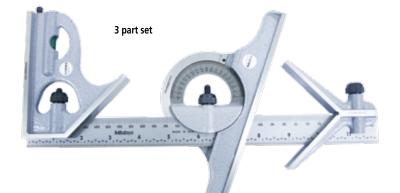
Mitutoyo

Combination Square Set

SERIES 180

FEATURES

- Measuring head are attached to the graduated steel rule (blade), allowing versatile measurements on various types of workpieces
- The measuring head come hardened or cast iron-not-hardened
- Economy sets not including a protractor head are also available



Tec	hnical	Data

Square head:	Used to set the rule at 90 degrees or 45
Center head:	degrees to an edge of a workpiece. Used to locate centers of round
	workpieces
Protractor head:	Used to set the rule at a desired angle
	to an edge of a workpiece. Also used
	for measuring angles.

SPECIFICATIONS

Head Only Hardened				
Order No.	Description			
180-102B	Square Head for 12"/300mm to 24"/600mm			
180-202B	Center Head for 12"/300mm to 24"/600mm			

Head O	nly Cast iron-not hardened
Order No.	Description
180-112B	Square Head for 12"/300mm to 24"/600mm
180-212B	Center Head for 12"/300mm to 24"/600mm
180-301B	Protractor Head for 12 "/300mm to 24 "/600mm

Inch/Metric Hardened Combination Square Sets

Set No.	Blade			Square Head	Center Head	
	Size	Туре				Head
180-903B	12"	4R	180-501B	180-102B	180-202B	-
180-905B	12"	4R	180-501B	180-102B	180-202B	180-301B*
180-906B	12"	16R	180-502B	180-102B	180-202B	180-301B*
180-907B	12"/300mm	E/M	180-503B	180-102B	180-202B	180-301B*
180-910B	300mm	Metric	180-505B	180-102B	180-202B	180-301B*

*Cast iron-not hardened

Inch/Metric Cast iron-not hardened Combination Square Sets						
Set No.	Blade			Square Head	Center Head	
	Size	Туре				Head
180-803B	12"	4R	180-501B	180-112B	180-212B	-
180-805B	12"	4R	180-501B	180-112B	180-212B	180-301B

Inch / Metric Blades only					
Order No.	Length	Graduations	Accuracy (length)		
180-501B	12″	8, 16, 32, 64ths (4R)	005# / 0005#		
180-502B	12″	32, 64, 50, 100ths (16R)	+.005" /0035" (+0.13mm / -0.09mm)		
180-503B	12" x 300mm	32, 64ths, 1, 0.5mm	(+0.15111117 0.0511111)		
180-505B	300mm	1, .5, 1, 0.5mm			
180-701B	18″	8, 16, 32, 64ths (4R)	+.006" /0035" (+0.15mm / -0.09mm)		
180-703B	18" x 450mm	32, 64ths, 1, 0.5mm	(10.1311117 0.031111)		
180-601B	24″	8, 16, 32, 64ths (4R)	+.007" /0035"		
180-603B	24" x 600mm	32, 64ths, 1, 0.5mm	(+0.18mm / -0.09mm)		