KAR INDUSTRIAL INC.

Toronto | Montréal | Edmonton

www.kar.ca

INSIZE — *TOOLS THAT MEASURE UP*

EXCLUSIVELY AVAILABLE FROM **KAR** IN CANADA

2023 BEST SELLERS

TOP 50+

Portable LEEB Hardness Tester

- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Memory of 99 measurement values for browsing
- Set measurement times (1-9) to have average value
- Connects to printer via bluetooth (printer optional)
- Automatic power off
- ASTM A956 standards
- Supplied with manufacturer inspection certificate

MORE SPECS & DETAILS at KAR.CA

Includes one of each:
Hardness tester
Impact device D
Hardness test block D
Small support ring
Cleaning brush

Code 816432

2108.78

Measuring Tool Sets

- **Set Includes:**
  1) Electronic caliper (817000) SPC, range 0-6"/0-150mm, resolution 0.0005"/0.01mm
  2) Electronic outside micrometer (289005 - without SPC), range 0-1"/0-25mm, resolution 0.00005"/0.001mm
- Supplied in fitted storage case

SPC

Code 816345

273.02

- **Set Includes:**
  1) Dial indicator (816158), range 0-1", graduation 0.001"
  2) Magnetic stand with magnetic force 132lbf/60kgf (816252)
- Supplied in fitted storage case

Code 284505

141.78

YOUR AUTHORIZED KAR DISTRIBUTOR:

MAKING IT EASY TO DO BUSINESS WITH SINCE 1954... CONTACT YOUR LOCAL KAR DISTRIBUTOR TODAY!

Electronic, Dial & Vernier Calipers

Standard Model

SPC

NIST CERTIFICATION

OPTIONAL ACCESSORY: SPC cable

- Resolution: 0.0005"/0.01mm
- Buttons: on/off, zero, inch/mm
- Auto power off, move digital unit to turn power on
- Battery CR2032
- Data output
- Stainless steel construction
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0010" Code 817000	0-8 Inch/0-200mm Accuracy: ±0.0015" Code 817001	0-12 Inch/0-300mm Accuracy: ±0.0015" Code 817002
66.30	91.43	160.52

Fractional Reading

NIST CERTIFICATION

- Resolution: 0.0005", 1/128" (fractional), 0.01mm
- Buttons: zero, unit (mm/inch/fraction), ABS (absolute and incremental), on/off
- Auto power off
- Battery CR2032
- Data output
- Stainless steel construction
- Supplied in fitted storage case

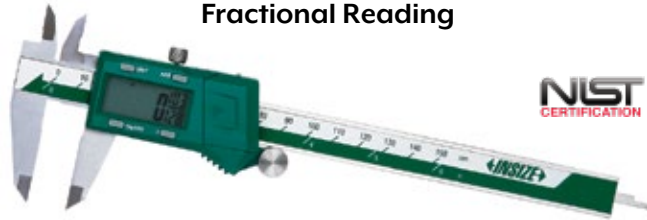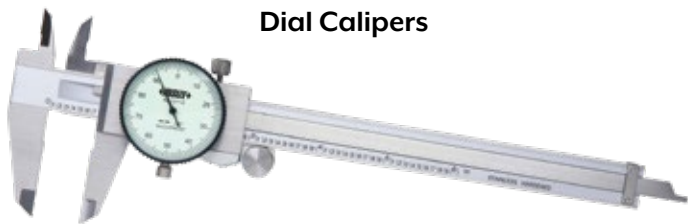| 0-6 Inch/0-150mm Accuracy: ±0.0015" Code 280003	0-8 Inch/0-200mm Accuracy: ±0.0015" Code 280004	0-12 Inch/0-300mm Accuracy: ±0.0015" Code 280005
115.72	172.68	250.78

Dial Calipers

- Graduations: 0.001"
- One revolution equals: 0.1"
- Shock proof dial indicator
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0015" Code 816028	0-8 Inch/0-200mm Accuracy: ±0.0020" Code 816030	0-12 Inch/0-300mm Accuracy: ±0.0020" Code 816032
93.77	124.18	227.20

Zinc Alloy Casing

NIST CERTIFICATION

- Resolution: 0.0005"/0.01mm
- Zinc alloy casing
- Buttons: zero, on/off, inch/mm
- Auto power off
- Battery CR2032
- Stainless steel construction
- Supplied in fitted storage case

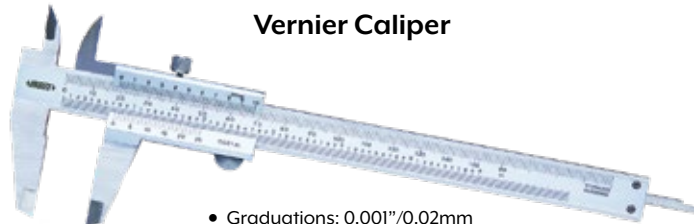| 0-6 Inch/0-150mm Accuracy: ±0.0015" Code 816012	0-8 Inch/0-200mm Accuracy: ±0.0015" Code 816014	0-12 Inch/0-300mm Accuracy: ±0.0015" Code 816016
94.13	126.73	219.02

Vernier Caliper

- Graduations: 0.001"/0.02mm
- Stainless steel with satin chrome plated reading surface
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0012" Code 876750
65.07

Coolant Proof

IP67

NIST CERTIFICATION

- Resolution: 0.0005"/0.01mm
- Coolant proof, IP67 Ingress protection level
- Button functions: zero, on/off, inch/mm, ABS/REL, hold
- Battery CR2032
- Stainless steel
- Supplied in fitted storage case

0-6 Inch/0-150mm Accuracy: ±0.0015" Code 816018	0-8 Inch/0-200mm Accuracy: ±0.0015" Code 280014	0-12 Inch/0-300mm Accuracy: ±0.0015" Code 280015
239.23	412.42	478.15

<<< Many More Sizes & Styles of **INSIZE** Calipers Available – Contact your local **KAR** Distributor >>>

Outside Micrometers

With Counter

- Counter resolution: 0.001"
- Thimble graduation: 0.0001"
- Ratchet stop and carbide tips
- Micrometers over 1" are supplied with a setting standard
- Supplied in fitted storage case

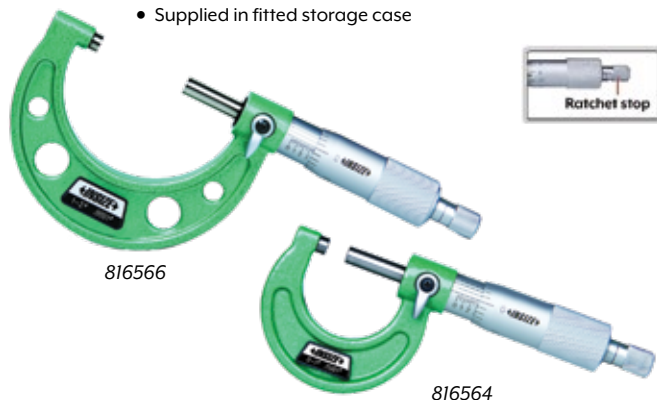| 0-1 Inch Accuracy: ±0.00015" Code 280933	1-2 Inch Accuracy: ±0.00015" Code 280934	2-3 Inch Accuracy: ±0.0002" Code 280935	3-4 Inch Accuracy: ±0.0002" Code 280936
117.65	190.97	148.90	178.72

Electronic – 2 Button

- Resolution: 0.00005"/0.001mm
- Button functions: on/off, set, inch/mm, ABS/INC
- Auto power off
- Battery LR44
- Carbide tips and friction thimble
- Spherical anvil included allows tube thickness measurements
- Micrometers over 0-1"/0-25mm are supplied with a setting standard
- Supplied in fitted storage case

Spherical Anvil to measure tube thickness

0-1 Inch/0-25 mm Accuracy: ±0.0001" Code 816500	1-2 Inch/25-50 mm Accuracy: ±0.00015" Code 816502	2-3 Inch/50-75 mm Accuracy: ±0.00015" Code 816504	3-4 Inch/75-100 mm Accuracy: ±0.00015" Code 816506
146.07	172.62	179.92	171.37

Inch & Metric

- Graduation: 0.0001"/0.01mm
- Ratchet stop
- Carbide tips
- Micrometers over 1"/25mm are supplied with a setting standard
- Supplied in fitted storage case

*NIST CERTIFICATION

816566

Ratchet stop

816564

Up to 6"/150mm micrometers sets supplied in plastic moulded storage case

0-12"/0-300mm and 6-12"/150-300mm micrometer sets supplied in an aluminum storage case

* NIST Certification

Inch				Metric				Sets in Protective Fitted Storage Cases		
Range (Inch)	Accuracy (Inch)	Code	Price	Range (mm)	Accuracy (µm)	Code	Price	Description	Code	Price
0-1	±0.00015	* 816564	52.08	0-25	2	* 816530	49.42	**Inch Sets**		
1-2	±0.00015	* 816566	58.35	25-50	2	* 816532	55.37	**0-3 Inch** (3 micrometers, plastic case)	* 816588	164.78
2-3	±0.00020	* 816568	64.53	50-75	2	* 816534	61.32	**0-4 Inch** (4 micrometers, plastic case)	* 816590	234.38
3-4	±0.00020	* 816570	71.75	75-100	3	* 816536	68.18	**0-6 Inch** (6 micrometers, plastic case)	* 816592	399.72
4-5	±0.00025	* 816572	91.13	100-125	3	816538	89.12	**6-12 Inch** (6 micrometers, aluminum case)	816594	950.33
5-6	±0.00025	* 816574	103.25	125-150	3	816540	100.65	**0-12 Inch** (12 micrometers, aluminum case)	816596	1354.92
6-7	±0.00030	816576	127.65	150-175	4	816542	126.75	**Metric Sets**		
7-8	±0.00030	816578	140.43	175-200	4	816544	140.45	**0-75 mm** (3 micrometers, plastic case)	* 816554	176.57
8-9	±0.00030	816580	151.58	200-225	4	816546	151.57	**0-100 mm** (4 micrometers, plastic case)	* 816556	218.27
9-10	±0.00030	816582	169.75	225-250	5	816548	169.75	**0-150 mm** (6 micrometers, plastic case)	816558	391.18
10-11	±0.00035	816584	187.97	250-275	5	816550	188.02	**150-300 mm** (6 micrometers, aluminum case)	816560	930.77
11-12	±0.00035	816586	199.43	275-300	5	816552	199.43	**0-300 mm** (12 micrometers, aluminum case)	816562	1359.68

Depth Micrometer

- Graduation: 0.001"
- Micrometer head accuracy: ±0.00012"
- Rod accuracy: ±[0.001 + 0.0005(L/3)]
  (L= measuring range in inch)
- 6 rods with flat end
- Ratchet stop
- Supplied in fitted storage case

0-6 Inch
Code 281939

198.62

Internal Micrometers

- Graduation: 0.001"
- Accuracy: $[0.0003+0.00005 (L/2)]$
  L=Max. Measuring Length (Inch)
- Supplied in fitted storage case

2-8 Inch	**2-12 Inch**	**8-20 Inch**	**8-40 Inch**
Mic Head Travel: 0.5"	Mic Head Travel: 0.5"	Mic Head Travel: 1"	Mic Head Travel: 1"
6 Extension Rods	10 Extension Rods	3 Extension Rods	8 Extension Rods
Code 282039	Code 282040	Code 282042	Code 282043
341.25	**372**.30	**466**.22	**1596**.07

Dial Bore Gages

- Indicator graduation: 0.0005"
- Indicator range: 0.25"
- Repeatability: 0.00015"
- Supplied in fitted storage case

816192

OPTIONAL ACCESSORIES: Setting Ring
Long Handle

0.7-1.5 Inch	**1.4-2.4 Inch**	**2-6 Inch**	**6-10 Inch**	**10-16 Inch**
Accuracy: ±0.00075"	Accuracy: ±0.0009"	Accuracy: ±0.0009"	Accuracy: ±0.0009"	Accuracy: ±0.0009"
Code 282930	Code 816188	Code 816192	Code 816184	Code 816186
319.27	**315**.33	**333**.25	**281**.80	**325**.95

Each set supplied in plastic moulded storage case

2 Bore Gage SET

- **1.4-2 Inch** *(Indicator/handle not included)*
- **2-6 Inch**
Accuracy: ±0.0009"
Code 877159

249.95

3 Bore Gage SET

- **0.7-1.5 Inch**
- **1.4-2.4 Inch** *(Indicator not included)*
- **2-6 Inch** *(Indicator not included)*
Accuracy: ±0.0009" *(except 2-6" = ±0.00075")*
Code 877160

512.77

TOOLS THAT MEASURE UP

Pitch Gages

- For measuring the pitch of screw threads
- Blades individually marked with pitch
- Medium carbon steel
- Supplied in storage pouch

0.4-7mm/4-42TPI
Code 816695
21.30

0.25-7mm
Code 283551
16.42

4-42TPI
Code 283552
19.68

Range	Accuracy	Thread Type	Blade Pitch	Code
0.4-7mm	±0.07mm	Metric 60º	52 blades: 0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7 mm	816695
4-42TPI	±0.0028"	Unified 60º	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42 TPI	
0.25-7mm	±0.0028"	Metric 60º	24 blades: 0.25, 0.3, 0.35, 0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7 mm	283551
4-42TPI	±0.0028"	Unified 60º	30 blades: 4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42 TPI	283552

Drill Angle Gage

- For checking drills with 60º, 70º, 90º, 118º, 125º, 135º, 150º, or 160º angles
- Stainless steel
- Supplied in storage pouch

0-180º Range
Accuracy: ±0.5º
Code 816683
17.85

Sheet Metal Gage

American Standard

- US standard for gaging sheet metal, plate iron and steel
- Hardened steel with satin chrome finish
- Supplied in storage pouch

#0-36 Range
(0.3125-0.007")
Code 283575
37.50

Taper Gage

- Graduation: 0.1mm
- For quick measuring of slot width and various gaps in material and work pieces
- Diameter correction table on back
- Supplied in storage pouch

Front   Back

0.8mm - 15mm
Accuracy: ±0.1mm
Code 285112
26.75

Feeler Gage

Hardened Alloy Steel Blades with 1 Brass

- Hardened alloy steel (except 0.01" blade - brass)
- Blades individually marked with inch/metric measurements
- Supplied in storage pouch

32 Blades
0.0015-0.035 Inch Range
Code 283543
14.03

Small Hole Gage Set

0.125" à 0.2"
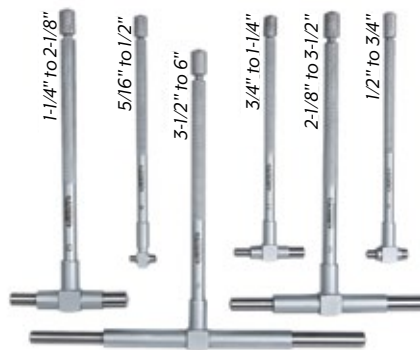0.2" à 0.3"
0.3" à 0.4"
0.4" à 0.5"

- For small holes, slots, grooves, etc.
- Satin chrome finish
- Supplied in storage pouch

0.125 to 0.5 Inch
Code 816204
40.60

Telescoping Gage Set

1-1/4" to 2-1/8"
5/16" to 1/2"
3-1/2" to 6"
3/4" to 1-1/4"
2-1/8" to 3-1/2"
1/2" to 3/4"

- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish
- Supplied in storage pouch

6 Gages
5/16 to 6 Inch
Code 816202
58.37

Center Gage

- Unified 60º
- To check and set screw cutting tools, and to check the angle and pitch of the screw thread
- Angle accuracy: ±30min.
- Stainless steel

14ths and 20ths on one side,
24ths and 32nds on opposite side
Code 283560
11.12

Edge Finders

- Hardened shank and contact point

Shank: Ø3/8"
Contact Point: Ø0.2"
Accuracy: ±0.0003"
Code 816383

77.73

- Shank electronically conducted to the metal workpiece through the chuck and table – LED illuminates and beeper sounds when ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball
- Battery: 23AE, 12V x 1 pc.

<<< MORE STYLES AVAILABLE >>>
Contact your local KAR Distributor

Shank: Ø3/4"
Contact Ball: Ø0.4"
Accuracy: ±0.0002"
Code 816382

185.77

Precision Dial Indicators

Inch

- ASME B89.1.10M-2001 standards
- Graduation: 0.0005"
- First 2.5 rev. accuracy: ±0.0005"
- Range per rev.: 0.05"
- Dial reading: 0-50
- Lug back
- Bezel locking clamp and limit pointers
- Contact point thread: #4-48UNF
- Supplied in fitted storage case

NIST CERTIFICATION

OPTIONAL ACCESSORIES: Contact points, Flat back

0.5 Inch Accuracy: ±0.0005" Code 282708	**1 Inch** Accuracy: ±0.0005" Code 282709	**2 Inch** Accuracy: ±0.0005" Code 282710
58.32	**60.15**	**157.65**

Dial Indicators

Inch

- ASME B89.1.10M-2001 standards
- Graduation: 0.001"
- First 2.5 rev. accuracy: ±0.001"
- Range per rev.: 0.1"
- Dial reading: 0-100
- Lug back
- Bezel locking clamp and limit pointers
- Contact point thread: #4-48UNF
- Supplied in fitted storage case

NIST CERTIFICATION

816158

OPTIONAL ACCESSORIES: Contact points, Flat back

0.5 Inch Accuracy: ±0.002" Code 816156	**1 Inch** Accuracy: ±0.002" Code 816158	**2 Inch** Accuracy: ±0.004" Code 816160
51.57	**48.68**	**114.68**

Metric

- Hysteresis: 20µm
- Graduation: 0.1mm
- Range per rev.: 10mm
- Dial reading: 0-10
- Lug back
- Bezel locking clamp and limit pointers
- Contact point thread: M2.5 x 0.45
- Supplied in fitted storage case

25mm
Accuracy: 60µm
Code 816164

116.13

OPTIONAL ACCESSORIES: Contact points, Flat back

Optional Magnetic Back

For 1 Inch Dial Indicator 816158

Diameter: 2.126"
Code 877212

31.13

Dial Test Indicators

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti-magnetic body
- Supplied with two clamps: 5/32" and 3/8" diameters
- Supplied in fitted storage case

NIST CERTIFICATION

Ø3/8"   Ø5/32"

Supplied with two clamps

OPTIONAL ACCESSORY: Contact point (stylus) - series 6284

0.03 Inch Graduation: 0.001" Accuracy: ±0.001" Dial reading: 0-15-0 Code 282858	**0.03 Inch** Graduation: 0.0005" Accuracy: ±0.0005" Dial reading: 0-15-0 Code 816170	**0.008 Inch** Graduation: 0.0001" Accuracy: ±0.0001" Dial reading: 0-40-0 Code 816172	**0.03 Inch** Graduation: 0.001" Accuracy: ±0.001" Dial reading: 0-15-0 Code 282859	**0.03 Inch** Graduation: 0.0005" Accuracy: ±0.0005" Dial reading: 0-15-0 Code 282860	**0.008 Inch** Graduation: 0.0001" Accuracy: ±0.0001" Dial reading: 0-40-0 Code 282861
106.77	**139.62**	**186.07**	**110.32**	**112.83**	**186.85**

<<< Ask about other Sizes & Accessories for INSIZE Dial Indicators – Contact your local KAR Distributor >>>

Magnetic Stands

Universal Light Duty

- For electronic/dial indicators and dial test indicators
- With fine adjustment and dovetail groove
- Applicable holding stem Ø: 3/8"

With Fine Adjustment
Magnetic force: 176lbf/80kgf
Code 816256
77.93

With Flex Arm

- For dial test indicators
- Applicable holding stem Ø: 3/8", 8mm, 4mm

Magnetic force: 176lbf/80kgf
Code 282892
82.33

With Dual Stems

- For electronic/dial indicators and dial test indicators
- Applicable holding stem Ø: 3/8", 8mm, 4mm

Magnetic force: 132lbf/60kgf
Code 816250
36.37

With Fine Adjustment
Magnetic force: 132lbf/60kgf
Code 816252
33.68

With Fine Adjustment
Magnetic force: 176lbf/80kgf
Code 282886
88.13

With Fine Adjustment
Magnetic force: 220lbf/100kgf
Code 816254
103.80

Universal

- For electronic/dial indicators and dial test indicators
- With fine adjustment and dovetail groove
- Applicable holding stem diameter: 3/8"

With Fine Adjustment
Magnetic force: 176lbf/80kgf
Code 877028
242.53

INSIZE

Protractors & Levels

Protractors
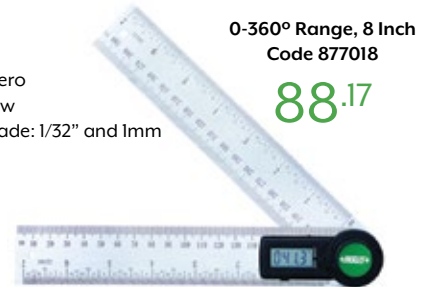
- Graduations: 1°
- Accuracy: ±0.3°
- Stainless steel with satin chrome plated scale
- With locking screw
- Supplied in storage case

0-180° Range
Code 283330
51.32

- Graduations: 1°
- Accuracy: ±0.3°
- Stainless steel with satin chrome plated scale
- With locking screw
- Supplied in storage case

0-180° Range
Code 283328
20.58

Electronic Protractor

- Resolution: 0.1°
- Accuracy: ±0.3°
- Buttons: on/off, zero
- With locking screw
- Graduation of blade: 1/32" and 1mm
- Stainless steel
- Battery CR2032
- Auto power off

0-360° Range, 8 Inch
Code 877018
88.17

Level

Code 877182
27.65

- 10 inch with magetic base
- ±0.006"/ft accuracy
- Shockproof horizontal and vertical vials
- Working temperature: 5°F-131°F
- Cast aluminum body
- Vials made in Israel – Lifetime warranty

Electronic Level & Protractor

- Resolution: 0.1° (=0.021 in/ft)
- Accuracy: 0° and 90°: ±0.1°; others: ±0.2°
- Used as level and protractor
- Aluminum frame
- Magnetic bottom
- Display rotates when gage is upside down
- Backlight on automatically when in use - auto off 15 minutes after use
- Sea level permanently set inside chip - zero setting not required when battery replaced
- Buttons: on/off, zero, absolute and incremental measurement
- Battery 1 x AAA
- Auto power off
- Supplied in leather pouch

4 x 90° Range
Code 816396
108.92

Rules

Rigid Rules

- 4R graduation
- 1/64" and 1/32" on front, 1/16" and 1/8" on back
- Non-glare surface

6 Inch	12 Inch	24 Inch
Accuracy: ±0.003"	Accuracy: ±0.004"	Accuracy: ±0.006"
Code 877203	Code 877201	Code 877202
2.42	4.22	8.38

Semi-Flexible Rules

- Accuracy: ±0.006" (except 24 Inch/600mm: ±0.008")
- Graduations front & back: 1/64", 1/32", 1/16", 0.5mm and 1mm
- Semi-flexible, stainless steel with non-glare surface
- Supplied in storage pouch

6 Inch/150mm	8 Inch/200mm	12 Inch/ 300mm	20 Inch/500mm
Code 283596	Code 283597	Code 283598	Code 283599
2.77	3.28	4.85	11.02

<<< UP TO 80 INCH/2000MM AVAILABLE >>>

Combination Squares

1/8" & 1/16" side 1, 1/32" & 1/64" side 2	1/32" & 0.5mm side 1, 1/64" & 1mm side 2
Code 283344	Code 816324
215.45	215.82

- Square, level, marking gage, scriber, center gage, protractor and 12" rule
- Center Head: to locate center of round workpieces - Accuracy: ±0.006"
- Protractor Head: to set the blade at desired angle to an edge of a workpiece, and may be used to measure angles - Range: 0-180°; Accuracy: ±7min.
- Square Head: to set the blade at 90° or 45° to an edge of a workpiece - Accuracy: ±8min. for 90° square and ±10min. for 45° square
- Supplied in fitted storage case

OPTIONAL ACCESSORY: Rigid Rule 283006