

INDUSTRIAL INC.

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←INSIZE→

TOOLS THAT MEASURE UP

EXCLUSIVELY AVAILABLE FROM **KAR** IN CANADA 

2023
←BEST→
SELLERS

TOP 50+



1 YEAR MANUFACTURER'S
WARRANTY ON **INSIZE** TOOLS

NIST
CERTIFICATION

TOOLS WITH THIS MARK SUPPLIED
WITH MANUFACTURER'S INSPECTION
CERTIFICATE AND ARE TRACEABLE
TO NIST (NATIONAL INSTITUTE OF
STANDARDS & TECHNOLOGY)

LEARN MORE

VIDEO: <https://youtu.be/2j9BGVKbzS4>

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



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:

DURAMILL
INDUSTRIAL SUPPLIES

Email: sales@duramill.ca

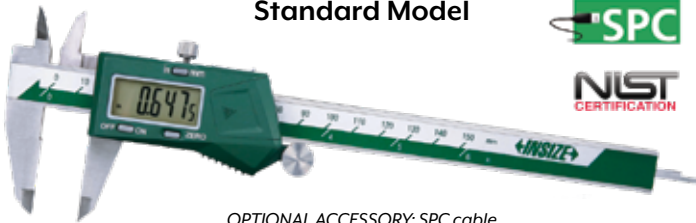
Tel: (905) 738-8665 | Fax: (905) 738-4862

www.duramill.ca

21 Bradwick Drive, Units 2-3, Concord ON L4K 1K6

Electronic, Dial & Vernier Calipers

Standard Model



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: $\pm 0.0010''$
Code 817000

66.30

0-8 Inch/0-200mm
Accuracy: $\pm 0.0015''$
Code 817001

91.43

0-12 Inch/0-300mm
Accuracy: $\pm 0.0015''$
Code 817002

160.52

Fractional Reading



- 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: $\pm 0.0015''$
Code 280003

115.72

0-8 Inch/0-200mm
Accuracy: $\pm 0.0015''$
Code 280004

172.68

0-12 Inch/0-300mm
Accuracy: $\pm 0.0015''$
Code 280005

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: $\pm 0.0015''$
Code 816028

93.77

0-8 Inch/0-200mm
Accuracy: $\pm 0.0020''$
Code 816030

124.18

0-12 Inch/0-300mm
Accuracy: $\pm 0.0020''$
Code 816032

227.20

Zinc Alloy Casing



- 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: $\pm 0.0015''$
Code 816012

94.13

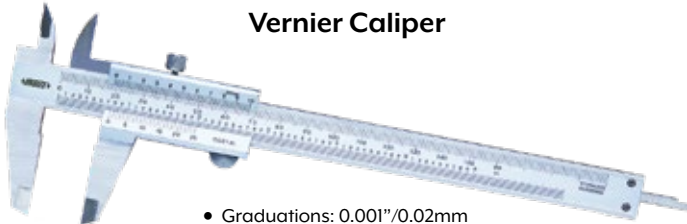
0-8 Inch/0-200mm
Accuracy: $\pm 0.0015''$
Code 816014

126.73

0-12 Inch/0-300mm
Accuracy: $\pm 0.0015''$
Code 816016

219.02

Vernier Caliper

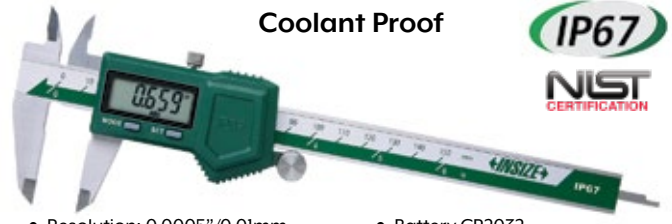


- Graduations: 0.001"/0.02mm
- Stainless steel with satin chrome plated reading surface
- Supplied in fitted storage case

0-6 Inch/0-150mm
Accuracy: $\pm 0.0012''$
Code 876750

65.07

Coolant Proof



- 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: $\pm 0.0015''$
Code 816018

239.23

0-8 Inch/0-200mm
Accuracy: $\pm 0.0015''$
Code 280014

412.42

0-12 Inch/0-300mm
Accuracy: $\pm 0.0015''$
Code 280015

478.15

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



TOOLS THAT MEASURE UP

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	1-2 Inch	2-3 Inch	3-4 Inch
Accuracy: $\pm 0.00015"$	Accuracy: $\pm 0.00015"$	Accuracy: $\pm 0.0002"$	Accuracy: $\pm 0.0002"$
Code 280933	Code 280934	Code 280935	Code 280936
117.65	190.97	148.90	178.72

Electronic – 2 Button



Spherical Anvil
to measure
tube thickness

- 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

0-1 Inch/0-25 mm	1-2 Inch/25-50 mm	2-3 Inch/50-75 mm	3-4 Inch/75-100 mm
Accuracy: $\pm 0.0001"$	Accuracy: $\pm 0.00015"$	Accuracy: $\pm 0.00015"$	Accuracy: $\pm 0.00015"$
Code 816500	Code 816502	Code 816504	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



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: $\pm [0.001 + 0.0005(L/3)]$
(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
Mic Head Travel: 0.5"
6 Extension Rods
Code 282039

341.²⁵

2-12 Inch
Mic Head Travel: 0.5"
10 Extension Rods
Code 282040

372.³⁰

8-20 Inch
Mic Head Travel: 1"
3 Extension Rods
Code 282042

466.²²

8-40 Inch
Mic Head Travel: 1"
8 Extension Rods
Code 282043

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
Accuracy: ± 0.00075 "
Code 282930

319.²⁷

1.4-2.4 Inch
Accuracy: ± 0.0009 "
Code 816188

315.³³

2-6 Inch
Accuracy: ± 0.0009 "
Code 816192

333.²⁵

6-10 Inch
Accuracy: ± 0.0009 "
Code 816184

281.⁸⁰

10-16 Inch
Accuracy: ± 0.0009 "
Code 816186

325.⁹⁵



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

Each set supplied in plastic moulded storage case



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 60°	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 60°	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 60°	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 60°	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 60°, 70°, 90°, 118°, 125°, 135°, 150°, or 160° angles
- Stainless steel
- Supplied in storage pouch



0-180° Range
Accuracy: ±0.5°
Code 816683

17.⁸⁵



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

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

26.⁷⁵

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



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



- 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



- 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 60°
- 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.



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

185.77

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

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



OPTIONAL ACCESSORIES: Contact points, Flat back

0.5 Inch
Accuracy: ±0.0005"
Code 282708

58.32

1 Inch
Accuracy: ±0.0005"
Code 282709

60.15

2 Inch
Accuracy: ±0.0005"
Code 282710

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



816158

OPTIONAL ACCESSORIES: Contact points, Flat back

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

0.5 Inch
Accuracy: ±0.002"
Code 816156

51.57

1 Inch
Accuracy: ±0.002"
Code 816158

48.68

2 Inch
Accuracy: ±0.004"
Code 816160

114.68

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



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

106.77

0.03 Inch
Graduation: 0.0005"
Accuracy: ±0.0005"
Dial reading: 0-15-0
Code 816170

139.62

0.008 Inch
Graduation: 0.0001"
Accuracy: ±0.0001"
Dial reading: 0-40-0
Code 816172

186.07

0.03 Inch
Graduation: 0.001"
Accuracy: ±0.001"
Dial reading: 0-15-0
Code 282859

110.32

0.03 Inch
Graduation: 0.0005"
Accuracy: ±0.0005"
Dial reading: 0-15-0
Code 282860

112.83

0.008 Inch
Graduation: 0.0001"
Accuracy: ±0.0001"
Dial reading: 0-40-0
Code 282861

186.85

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



TOOLS THAT MEASURE UP

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



TOOLS THAT MEASURE UP

EXCLUSIVELY AVAILABLE FROM **KAR** IN CANADA 

Protractors & Levels

Protractors



- Graduations: 1°
- Accuracy: $\pm 0.3^\circ$
- Stainless steel with satin chrome plated scale
- With locking screw
- Supplied in storage case

0-180° Range
Code 283330

51.³²



- Graduations: 1°
- Accuracy: $\pm 0.3^\circ$
- 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: $\pm 0.3^\circ$
- 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 magnetic 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°: $\pm 0.1^\circ$; others: $\pm 0.2^\circ$
- 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
Accuracy: ± 0.003 "
Code 877203

2.⁴²

12 Inch
Accuracy: ± 0.004 "
Code 877201

4.²²

24 Inch
Accuracy: ± 0.006 "
Code 877202

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
Code 283596

2.⁷⁷

8 Inch/200mm
Code 283597

3.²⁸

12 Inch/300mm
Code 283598

4.⁸⁵

20 Inch/500mm
Code 283599

11.⁰²

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

Combination Squares



1/8" & 1/16" side 1,
1/32" & 1/64" side 2
Code 283344

215.⁴⁵

1/32" & 0.5mm side 1,
1/64" & 1mm side 2
Code 816324

215.⁸²

- Square, level, marking gage, scribe, 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: ± 7 min.
- Square Head: to set the blade at 90° or 45° to an edge of a workpiece - Accuracy: ± 8 min. for 90° square and ± 10 min. for 45° square
- Supplied in fitted storage case

OPTIONAL ACCESSORY: Rigid Rule 283006



KAR Industrial Inc.
www.kar.ca

Toronto1-800-387-3127
Montréal1-800-363-7862
Edmonton1-866-440-4326

2023 List Prices subject to change without notice
*Products shown may not be exactly as illustrated Code 000325

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