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# Can Gages



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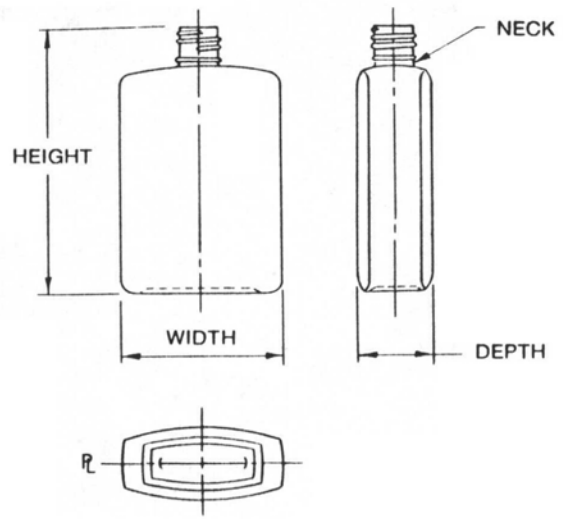
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### PLASTIC BOTTLE

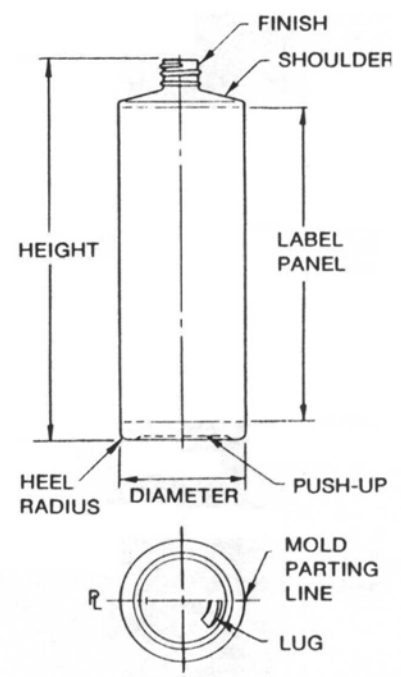
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# Plastic Bottle Gages

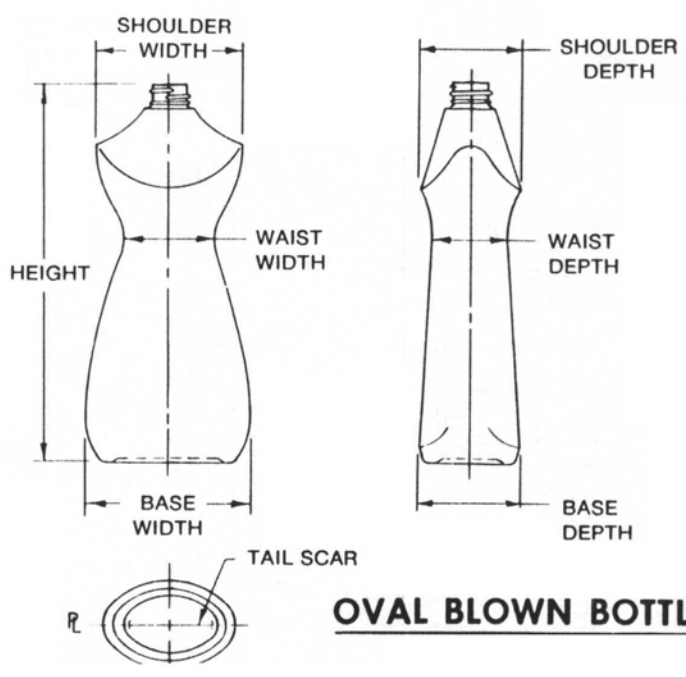
## Terminology



**OBLONG BLOWN BOTTLE**



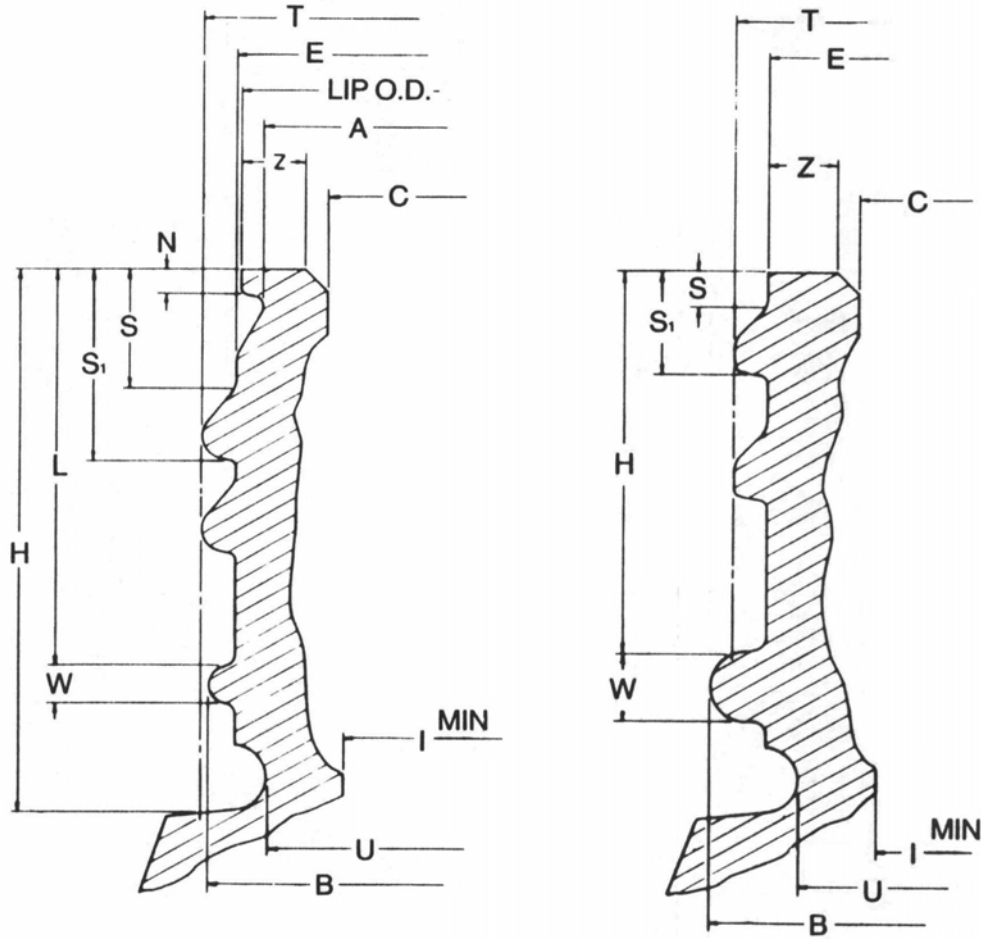
**ROUND BLOWN BOTTLE**



**OVAL BLOWN BOTTLE**

# Plastic Bottle Gages

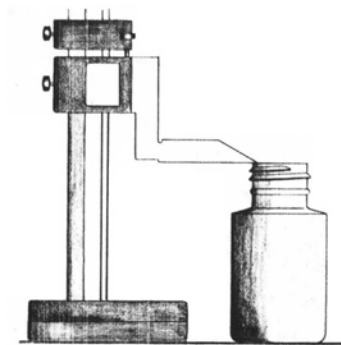
## Code Letters



- A. LIP UNDERCUT DIAMETER
- B. BEAD DIAMETER
- C. OPENING CONTROL DIAMETER AT TOP OF FINISH
- E. WALL DIAMETER AT BASE OF THREAD
- H. VERTICAL DIMENSION FROM TOP OF FINISH TO BEAD OR SHOULDER FOR CLOSURE CLEARANCE
- I. MINIMUM OPENING THROUGH FINISH AND NECK
- L. MINIMUM VERTICAL DIMENSION TO TOP OF CONCEALED BEAD FOR CLOSURE THREAD CLEARANCE
- N. VERTICAL LIP THICKNESS FOR POUR OUT OR SNAP FITMENT
- S. VERTICAL DIMENSION FROM TOP OF FINISH TO TOP OF START OF THREAD
- S1. VERTICAL DIMENSION FROM TOP OF FINISH TO BOTTOM OF START OF THREAD (PRIMARY USE FOR CLOSURE ORIENTATION)
- T. THREAD DIAMETER
- U. UNDERCUT (OPTIONAL)
- W. BEAD WIDTH
- Z. TOP SEALING SURFACE WIDTH

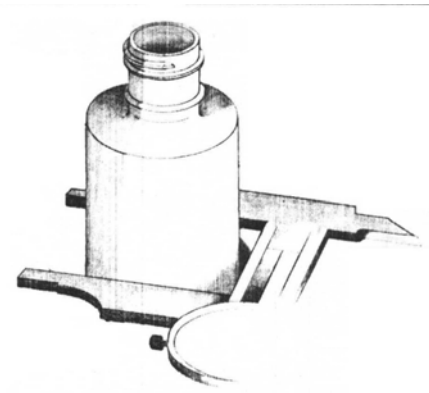
# Plastic Bottle Gages

## Overall Height



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
27 ES Digital Height Gage	4123700	300mm/12"
	4123701	600mm/24"
814 N Digimar with Cast Iron Base	4426540	320mm/12.6"
	4426542	620mm/24.4"
814G Digimar with Granite Base	4426541	320mm/12.6"
	4426543	620mm/24.4"

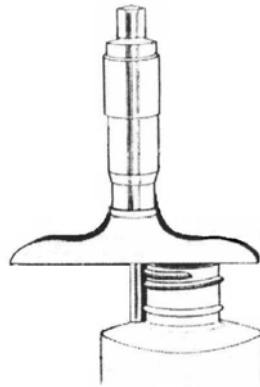
## Body Width and Depth



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

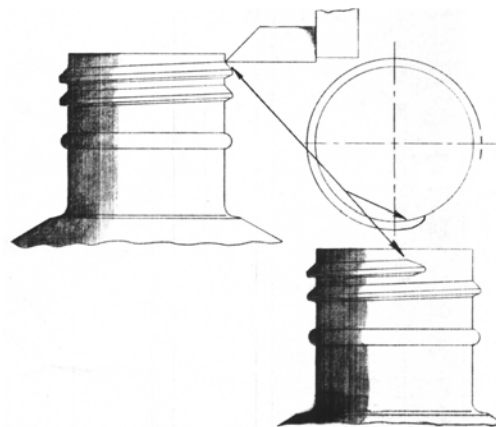
# Plastic Bottle Gages

## "H" Dimension



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
45 T Depth Micrometer	4180000	100mm
75P Indicator Depth Gage	75P-35 75P-35M	3" 75mm
837 Indicator Depth Gage	4311210 with 4494009	100mm

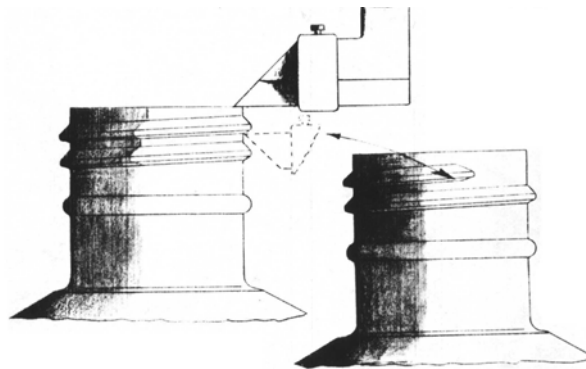
## "S" Dimension



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
27 ES Digital Height Gage	4123700 4123701	300mm/12" 600mm/24"
814 N Digimar with Cast Iron Base	4426540 4426542	320mm/12.6" 620mm/24.4"
814G Digimar with Granite Base	4426541 4426543	320mm/12.6" 620mm/24.4"

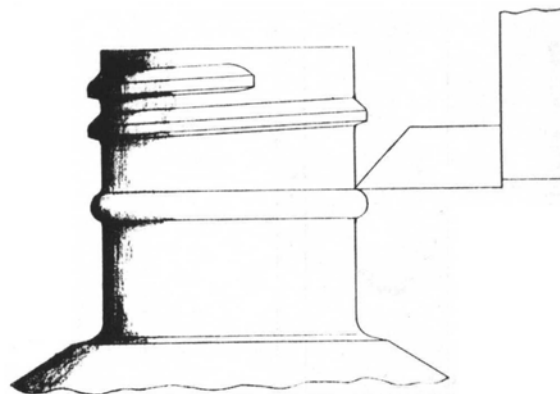
# Plastic Bottle Gages

## "S<sub>1</sub>" Dimension



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
27 ES Digital Height Gage	4123700	300mm/12"
	4123701	600mm/24"
814 N Digimar with Cast Iron Base	4426540	320mm/12.6"
	4426542	620mm/24.4"
814G Digimar with Granite Base	4426541	320mm/12.6"
	4426543	620mm/24.4"

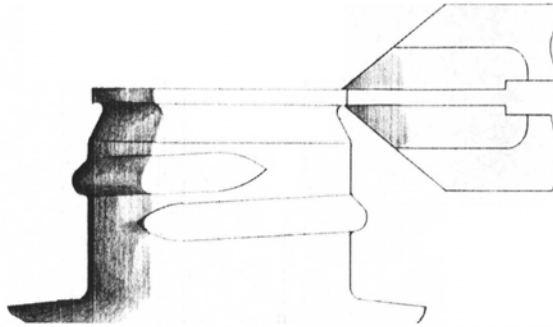
## "L" Dimension



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
27 ES Digital Height Gage	4123700	300mm/12"
	4123701	600mm/24"
814 N Digimar with Cast Iron Base	4426540	320mm/12.6"
	4426542	620mm/24.4"
814G Digimar with Granite Base	4426541	320mm/12.6"
	4426543	620mm/24.4"

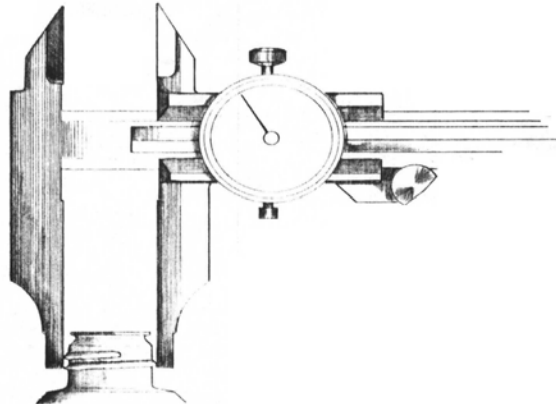
# Plastic Bottle Gages

## Lip Thickness ("N" Dimension)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

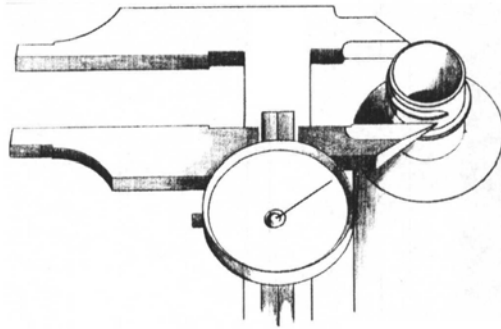
## "T" Diameter



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

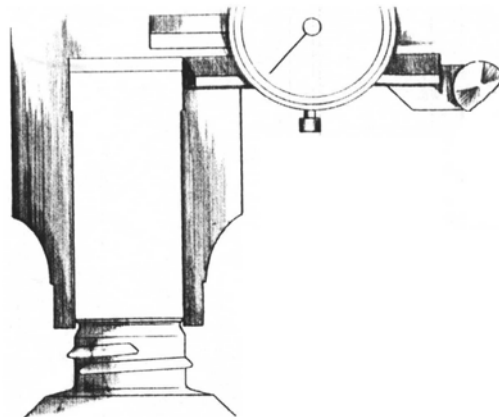
# Plastic Bottle Gages

## "E" Diameter



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

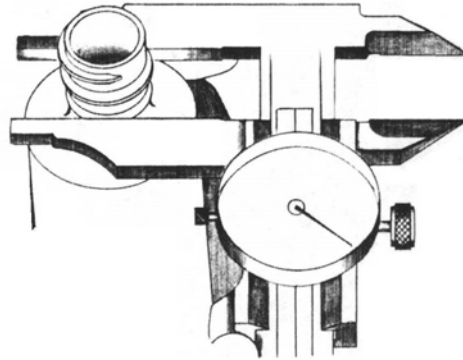
## Lip O.D.



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

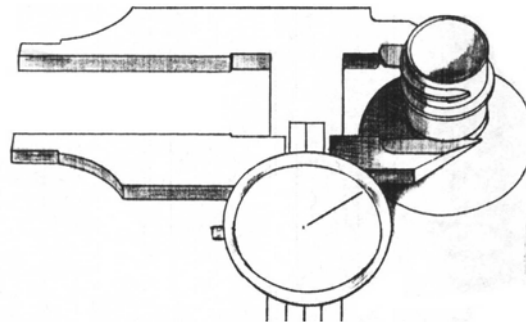
# Plastic Bottle Gages

## Bead ("B" Diameter)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

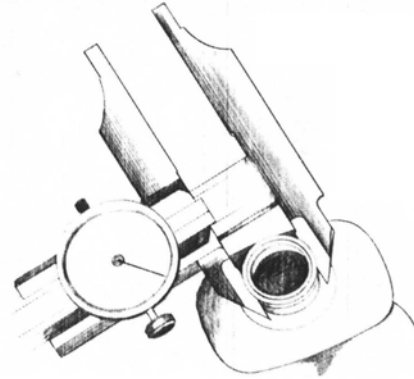
## Undercut Diameter ("U" Diameter)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

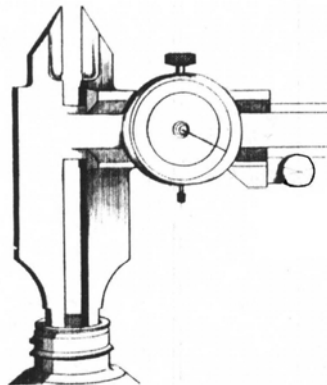
# Plastic Bottle Gages

## Lip Undercut Diameter ("A" Diameter)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

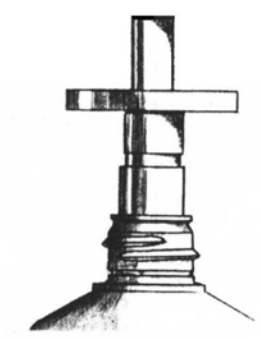
## Open Control Diameter ("C" Diameter)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

# Plastic Bottle Gages

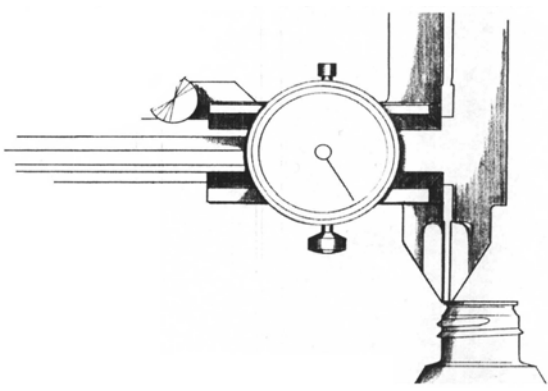
## "I" Minimum Diameter



**SERIES**

Go / No – Go Setting Plug

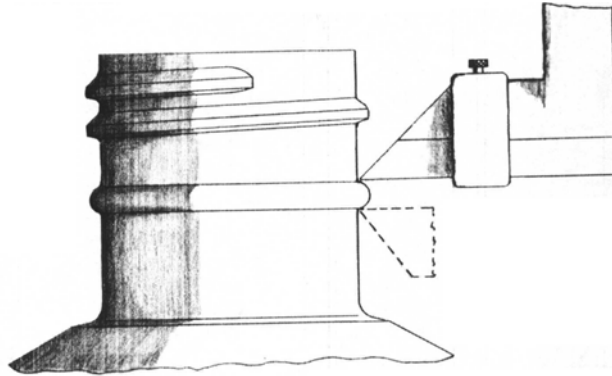
## Top Sealing Surface Width ("Z" Diameter)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
16 EX Digital Calipers	4102401	150mm/6"
	4102404	150mm/6"
	4102400	150mm/6"
	4102403	150mm/6"
	4102402	200mm/8"
16 U Vernier Calipers	4107005	150mm
	4107900	6"
18 EX Digital Calipers	4112700	300mm/12"

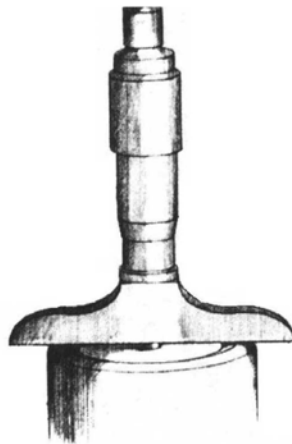
# Plastic Bottle Gages

## Bead Width ("W" Dimension)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
27 ES Digital Height Gage	4123700	300mm/12"
	4123701	600mm/24"
814 N Digimar with Cast Iron Base	4426540	320mm/12.6"
	4426542	620mm/24.4"
814G Digimar with Granite Base	4426541	320mm/12.6"
	4426543	620mm/24.4"

## Push Up (Bottom Dome Depth)



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
45 T Depth Micrometer	4180000	100mm
75P Indicator Depth Gage	75P-35	3"
	75P-35M	75mm
837 Indicator Depth Gage	4311210 with 4494009	100mm
75B Indicator Depth Gage	75B-1	2"
	75B-1M	50mm

# Plastic Bottle Gages

## Wall Thickness



<u>SERIES</u>	<u>MODEL</u>	<u>CAPACITY</u>
40 A Micrometer	4134000 4134900	25mm 1"
40 SH Micrometer	4131000 4131900	25mm 1"
40 EX Digital Micrometer	4134250	25mm/1"
40 AR Micrometer	4134250 4134940	25mm 1"