Fowler

Ultra-Cal V Electronic Caliper

Ultra-Cal V Electronic Pack
Part Number: P275.210-101

Ultra-Cal V Port Cover
Part Number: 061.275.01-100

Ultra-Cal V Batter Cover
Part Number: 061.275.06-500

End Stop Screw
Part Number: 05-100-079

Thumbwheel T1
Part Number: 05-100-041

Technical Specifications:

	54-100-067-1 54-100-167-0	***54-100-068-1 54-100-168-1***	***54-100-069-1 54-100-169-0***
Measuring range	6"/150mm	8"/200mm	12"/300mm
Accuracy	0.0008"/20µm	0.0012"/30µm	0.0012"/30µm
Resolution	0.0005"/.01mm	0.0005"/.01mm	0.0005"/.01mm
A (mm)	233	290	387
B (mm)	40	50	64
C (mm)	11	14	14
D (mm)	16	19	19
E (mm)	16 x 3.5	16 x 3.5	16 x 4
Depth rod (mm)	4 x 1.4	4 x 1.4	**N/A**
Protection Rating IEC 60529	IP67	IP67	IP67
Zero Setting	✔	✔	✔
REL and ABS functions	✔	✔	✔

Part Number	Range	Accuracy	Resolution
54-100-067-1	6"/150mm	0.0008"/20µm	0.0005"/.01mm
54-100-068-1	8"/200mm	0.0012"/30µm	0.0005"/.01mm
54-100-069-1	12"/300mm	0.0012"/30µm	0.0005"/.01mm
Bluetooth Models			
54-100-167-0	6"/150mm	0.0008"/20µm	0.0005"/.01mm
54-100-168-0	8"/200mm	0.0012"/30µm	0.0005"/.01mm
54-100-169-0	12"/300mm	0.0012"/30µm	0.0005"/.01mm
Accessories			
54-115-527-0	Proximity RS-232 Cable		
54-115-526-0	Proximity USB Cable		
54-115-246-BT	USB Bluetooth Receiver		
54-100-350	Replacement Battery		

LIFETIME WARRANTY

Fowler's Best Caliper!

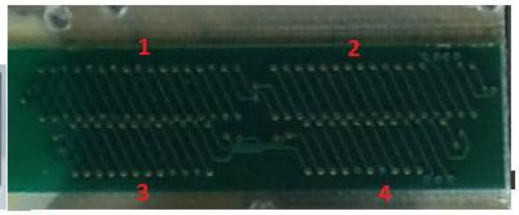
Now available with Bluetooth

IP67

Fowler PROXIMITY INTERFACE

Swiss Quality!

Ultra-Cal IV Electronic Caliper



Ultra-Cal IV Electronic Pack 4 Tracings
Part Number: PM245.212-101
Note: Different versions are not compatible. The version is denoted by number of tracings on the back. Example shown shows a four tracing version.

End Stop Screw
Part Number: 05-100-079

Thumbwheel T1
Part Number: 05-100-041

Ultra-Cal IV Electronic Pack 1 Tracing
Part Number: PM245.212-102
Note: Different versions not compatible. The version is denoted by number of tracings on the back.

Ultra-Cal IV Battery Cover w/ Thumbwheel Holder
Part Number: 068.202-000

Ultra-Cal IV Clear Battery Cover
Part Number: 068.203

Ultra-Cal IV Opto Port Cover
Part Number: 068.205

Part Number	Range	Accuracy	Resolution
54-100-444-0	6"/150mm	.0008"/.20μm	.0005"/.01mm
54-100-448-0	8"/200mm	.0012"/.30μm	.0005"/.01mm
54-100-412-0	12"/300mm	.0012"/.30μm	.0005"/.01mm
Accessories			
54-115-333-0	Opto - Serial Cable		
54-115-525-0	Opto - USB Cable		
54-100-350-0	Replacement Battery		

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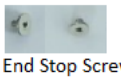
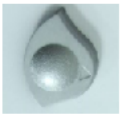
Water Resistant IP54 Electronic Calipers



End Stop Screw
Part Number: 05-100-079

Locking Screw L1
Part Number: 05-100-042



Caliper Battery Cover B1
Part Number: 05-100-044
Note: Compatible with four button displays only.

Four Button Electronic Pack P2
Part Number: 05-100-039
Note: Not compatible with three button versions.

Display Crystal C1
Part Number: 05-100-045
Note: Compatible with four button displays only.

Thumbwheel Holder (4B)
Part Number: 05-100-040
Note: Compatible with four button displays only.

Rubber Battery Seal S1
Part Number: 05-100-043
Note: Compatible with four button display only

Three Button Electronic Pack P1
Part Number: 05-100-038
Note: Not compatible with four button verions

Thumbwheel T1
Part Number: 05-100-041

Rubber Battery Seal S3
Part Number: 05-100-063
Note: Compatible with three button displays for 6, 8, and 12 inch calipers only.

Thumbwheel Holder (3B) T2
Part Number: 05-100-052
Note: Not compatible with three button versions.

Part Number	Range	Accuracy	Resolution
54-100-777-2	6"/150mm	0.001"/.02mm	0.0005"/.01mm
54-100-712-2	12"/300mm	0.0015"/.03mm	0.0005"/.01mm
Accessories			
54-520-399-0	Data Cable		
54-100-350-0	CR2032 Battery		

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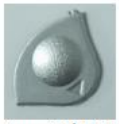
EURO-CAL IV Electronic Calipers

54-100-330-1

Locking Screw L1
Part Number: 05-100-042

Euro-Cal Electronic Pack
Part Number: 05-100-046



Euro-Cal Battery Cover
Part Number: 05-100-048

Thumbwheel Holder Euro-Cal
Part Number: 05-100-047

Euro-Cal Battery Seal
Part Number: 05-100-111

Thumbwheel T1
Part Number: 05-100-041

End Stop Screw
Part Number: 05-100-079

Part Number	Range	Accuracy	Resolution
54-100-330-1	6"/150mm	±0.001"/.02mm	0.0005"/.01mm
54-100-331-0	8"/200mm	±0.001"/.02mm	0.0005"/.01mm
54-100-332-0	12"/300mm	±0.0015"/.03mm	0.0005"/.01mm
Accessories			
54-100-350-0	CR2032 Battery		

Quality caliper

Absolute ceramic scale ensures the caliper will never lose its reference point – Never zero your caliper again!

IP54

M

Features fast inch, metric and fractional conversion.

IP54

INCH • METRIC • FRACTION™

M

Economy Digital Calipers

Small Three Button Pack P5
Part Number: 05-100-050
Note: Compatible only with 4 inch, three button versions ending in -1.

Three Button Electronic Pack P4
Part Number: 05-100-049
Note: Compatible only with three button versions ending in -1 for calipers that measure 6, 8, and 12 inches.

Four Button Electronic Pack P6
Part Number: 05-100-051
Note: Compatible with all four button versions ending in -2.

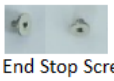
Locking Screw L1
Part Number: 05-100-042

Thumbwheel Holder (4B)
Part Number: 05-100-040
Note: Compatible with four button displays only.

Thumbwheel Holder (3B) T2
Part Number: 05-100-052
Note: Compatible only with 05-100-049.

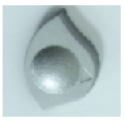
Thumbwheel Holder Small Display
Part Number: 05-100-053
Note: Compatible only with 05-100-050

Thumbwheel T1
Part Number: 05-100-041

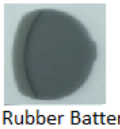


End Stop Screw
Part Number: 05-100-079

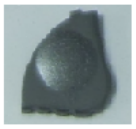
Display Crystal C1
Part Number: 05-100-045
Note: Compatible with four button displays only.



Caliper Battery Cover B1
Part Number: 05-100-044
Note: Compatible with four button displays only.



Rubber Battery Seal S1
Part Number: 05-100-043
Note: Compatible with four button display only



Small Display Battery Cover
Part Number: 05-100-054
Note: Compatible only with 05-100-050

Rubber Battery Seal S3
Part Number: 05-100-063
Note: Compatible with three button displays for 6, 8, and 12 inch calipers only.

Part Number	Range	Accuracy	Resolution
54-100-004-2	4"/100mm	0.001"/.02mm	0.0005"/.01mm
54-100-000-2	6"/150mm	0.001"/.02mm	0.0005"/.01mm
54-100-008-2	8"/200mm	0.0015"/.03mm	0.0005"/.01mm
54-100-112-2	12"/300mm	0.0015"/.03mm	0.0005"/.01mm
Accessories			
54-520-399-0	Data Cable		
54-100-350-0	CR2032 Battery		

Specifications subject to change without notice.

XTRA-VALUE CAL Electronic Calipers

Xtra-Value Large Display Electronic Pack
Part Number: 05-100-059
Note: Not compatible with regular display caliper bodies.

Xtra-Value Regular Display Electronic Pack
Part Number: 05-100-055
Note: Not compatible with large display caliper bodies.

Locking Screw L1
Part Number: 05-100-042

Display Crystal C2
Part Number: 05-100-062
Note: Only compatible with 05-100-055

Thumbwheel Holder Regular Display
Part Number: 05-100-060
Note: Only compatible with regular display 05-100-055

Thumbwheel Holder Large Display
Part Number: 05-100-061
Note: Only compatible with large display 05-100-059

Thumbwheel T1
Part Number: 05-100-041

End Stop Screw
Part Number: 05-100-079

Xtra-Value Battery Cover B1
Part Number: 05-100-056
Note: Only compatible with regular display 05-100-055

Xtra-Value Battery Cover B2
Part Number: 05-100-057
Note: Only compatible with large display 05-100-059

Rubbery Battery Seal S2
Part Number: 05-100-058

Part Number	Range	Accuracy	Display Type
54-101-150-2	6"/150mm	.001"/.02mm	Regular Display
54-101-600-1	6"/150mm	.001"/.02mm	Super Large Display with Hold Feature
54-101-200-1	8"/200mm	.0016"/.04mm	Regular Display
54-101-800-1	8"/200mm	.0016"/.04mm	Super Large Display with Hold Feature
54-101-300-1	12"/300mm	.0016"/.04mm	Regular Display
54-101-900-1	12"/300mm	.0016"/.04mm	Super Large Display with Hold Feature
Accessories			
54-100-350-0	CR2032 Battery		

Machinist Grade Dial Calipers

No. 52-008-706-0

Locking Screw L1
Part Number: 05-100-042

End Stop for 12"+ Calipers
Part Number: 05-100-342

Small Bezel and Crystal BC1
Part Number: 05-100-065
Note: Only compatible with 4 inch calipers.

Dial Face with Needle D1
Part Number: 05-100-070
Note: Only compatible with 52-008-707 calipers.

Dial Face D2
Part Number: 05-100-071
Note: Only compatible with 52-008-706 calipers.

Medium End Stop
Part Number: 05-100-066
Note: Only compatible with 6 and 8 inch calipers.

Medium Bezel and Crystal BC2
Part Nummber: 05-100-068
Note: Only compatible with 6 and 8 inch versions.

Bezel Locking Screw
Part Number: 05-100-072

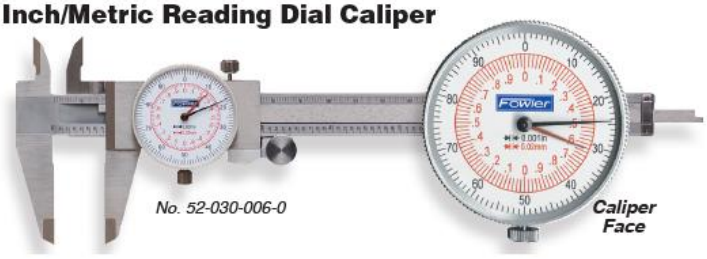
Thumbwheel Holder T3
Part Number: 05-100-069

Thumbwheel T1
Part Number: 05-100-041

Large Bezel and Crystal BC3
Part Number: 05-100-067
Note: Only compatible with the 12 inch calipers.

Part Number	Range	Dial Face Color	Graduation	Accuracy
52-008-704-0	0-4"	White	.001"	±0.001"
52-008-714-0	0-4"	Black	.001"	±0.001"
52-008-706-0	0-6"	White	.001"	±0.001"
52-008-707-0	0-6"	Black	.001"	±0.001"
52-008-708-0	0-8"	White	.001"	±0.0015"
52-008-712-0	0-12"	White	.001"	±0.002"
Metric				
52-008-709-0	0-150mm	Yellow	.02mm	±0.02mm

Inch/Metric Reading Dial Caliper



No. 52-030-006-0

Caliper Face

Locking Screw L1
Part Number: 05-100-042

Thumbwheel Holder T3
Part Number: 05-100-069

Thumbwheel T1
Part Number: 05-100-041

Medium End Stop
Part Number: 05-100-066
Note: Only compatible with 6 and 8 inch calipers.

Part Number	Range	Graduation	Accuracy
52-030-006-0	6"/150mm	.001"/.02mm	±0.001"
52-030-008-0	8"/200mm	.001"/.02mm	±0.0015"
52-030-012-0	12"/300mm	.001"/.02mm	±0.002"

One-Rev Dial Caliper

Small Bezel and Crystal BC1
Part Number: 05-100-065
Note: Only compatible with 4 inch calipers.

Medium Bezel and Crystal BC2
Part Nummber: 05-100-068
Note: Only compatible with 6 and 8 inch versions.

Large Bezel and Crystal BC3
Part Number: 05-100-067
Note: Only compatible with the 12 inch calipers.

Medium End Stop
Part Number: 05-100-066
Note: Only compatible with 6 and 8 inch calipers.

Part Number	Range	Graduation	Accuracy	Jaw Depth
52-008-004-0	6"	.001"	±0.001"	1.6"
52-008-009-0	8"	.001"	±0.0015"	2"
52-008-013-0	12"	.001"	±0.002"	2.437"

Dial Calipers

No. 52-008-005-0

No. 52-008-007-0

Locking Screw L1
Part Number: 05-100-042

Bezel Locking Screw
Part Number: 05-100-359

End Stop for 12"+ Calipers
Part Number: 05-100-342

Medium End Stop
Part Number: 05-100-066
Note: Only compatible with 6 and 8 inch calipers.

Small Bezel and Crystal BC1
Part Number: 05-100-065
Note: Only compatible with 4 inch calipers.

Medium Bezel and Crystal BC2
Part Nummber: 05-100-068
Note: Only compatible with 6 and 8 inch versions.

Large Bezel and Crystal BC3
Part Number: 05-100-067
Note: Only compatible with the 12 inch calipers.

Dial Face with Needle D3
Part Number: 05-100-073
Note: Only compatible with 52-008-012 calipers

Dial Face D4
Part Number: 05-100-074
Note: Only compatible with 52-008-008 calipers.

Thumbwheel T1
Part Number: 05-100-041

Thumbwheel Holder T3
Part Number: 05-100-069

Part Number	Range	Graduation	Dial Face Color	Accuracy	Range/ Revolution
52-008-005-0	0-6"	.001"	Black	±0.001"	.100"
52-008-007-0	0-6"	.001"	White	±0.001"	.100"
52-008-008-0	0-8"	.001"	White	±0.0015"	.100"
52-008-012-0	0-12"	.001"	White	±0.002"	.100"

Premium Dial Calipers

No. 52-008-006-2

Bezel and Crystal BC4
Part Number: 05-100-075

Medium End Stop
Part Number: 05-100-066
Note: Only compatible with 6 and 8 inch calipers.

Part Number	Range	Graduation	Accuracy	Dial Face Color
52-008-006-2	0-6"	.001"	±0.001"	White

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Poly-Cal ® Electronic Caliper

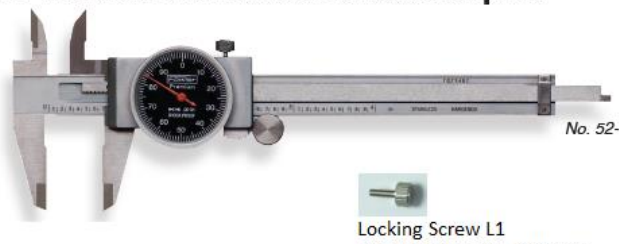
Locking Screw L1
Part Number: 05-100-042

Xtra-Value Battery Cover B2
Part Number: 05-100-057
Note: Only compatible with large display 05-100-059

Rubbery Battery Seal S2
Part Number: 05-100-058

Part Number	Description	Accuracy
54-101-175-0	6" Poly-Cal Electronic Caliper	±0.008"
54-100-350-0	CR2032 Battery	

4" Machinist Grade Dial Pocket Calipers



No. 52-008-714-0

Locking Screw L1
Part Number: 05-100-042

Medium End Stop
Part Number: 05-100-066
Note: Only compatible with 6 and 8 inch calipers.

Small Bezel and Crystal BC1
Part Number: 05-100-065
Note: Only compatible with 4 inch calipers.

Thumbwheel Holder T3
Part Number: 05-100-069

Thumbwheel T1
Part Number: 05-100-041

Part Number	Dial Face Color	Graduation	Accuracy
52-008-704-0	White	.001"	±0.001"
52-008-714-0	Black	.001"	±0.001"

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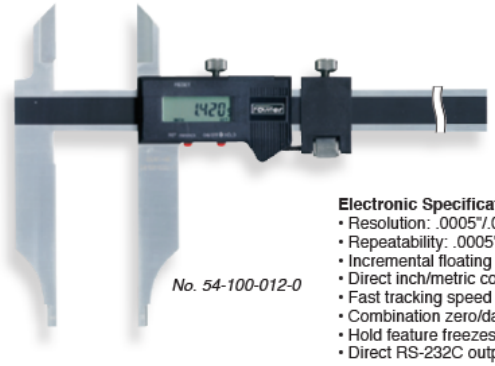
Ultra-Cal III Heavy Duty Electronic Caliper



No. 54-100-012-0

Heavy Duty Ultra-Cal III, made in Germany, combines the Swiss-patented Sylvac non-contact capacitive measuring system with output capabilities.

Electronic Specifications:
- Resolution: .0005"/.01mm
- Repeatability: .0005"/.01mm ±2s
- Incremental floating zero
- Direct inch/metric conversion
- Fast tracking speed of approximately 60"/second.
- Combination zero/data/hold button
- Hold feature freezes display for later viewing.
- Direct RS-232C output

German engineering and quality.

Fowler RS-232 DIRECT

Heavy Duty Caliper Cover 40"
Part Number: 05-100-110
Note: Only compatible with 40" Ultra-Cal III Heavy Duty calipers.

Heavy Duty Caliper Cover 20"
Part Number: 05-100-105
Note: Only compatible with 20" Ultra-Cal III Heavy Duty calipers.

Heavy Duty Caliper Cover 12"
Part Number: 05-100-106
Note: Only compatible with 12" Ultra-Cal III Heavy Duty calipers.

Locking Screw L1
Part Number: 05-100-042
Note: Only compatible wtih 12 and 24 inch versions.

X-SERIES

2-YEAR WARRANTY

I.D.	Nib Size
12"	.500"
24"	.800"
40"	.800"

Part Number	Range	Overall Accuracy	Length of Bottom Jaws	Length of Top Jaws
Knife Jaws				
54-100-012-0	0-12"/0-300mm	.0015"/.04mm	3.2"	1.5"
54-100-020-0	0-20"/0-500mm	.002"/.05mm	5.9"	2.25"
54-100-040-0	0-40"/0-1000mm	.003"/.07mm	5.9"	2.25"
54-100-080-0	0-80"/0-2000mm	.005"/.12mm	5.9"	2.25"
Cross Jaws				
54-100-212-0	0-12"/0-300mm	.0015"/.04mm	3.2"	1.3"
Accessories				
54-100-350-0	Replacement Battery type CR2032			
54-115-333-0	Simplex Computer Connection Kit			
54-115-525-0	Opto USB Cable			

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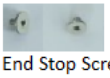
XTRA-RANGE Electronic Caliper

Xtra-Range 40" Display (New)
Part Number: 05-100-083
Xtra-Range 24" Display (New)
Part Number: 05-100-084
Xtra-Range 12" Display (New)
Part Number: 05-100-085
Note: Not compatible with one red button versions.

XRN 40" Display Crystal
Part Number: 05-100-092
XRN 24" Display Crystal
Part Number: 05-100-093
XRN 12" Display Crystal
Part Number: 05-100-094
Note: Compatible only with all yellow button versions.

XRN 40" Battery Cover
Part Number: 05-100-086
XRN 24" Battery Cover
Part Number: 05-100-087
XRN 12" Battery Cover
Part Number: 05-100-088
Note: Compatible only with new Xtra-Range displays, not compatible with one reb button versions.

Xtra-Range 40" Locking Screw
Part Number: 05-100-102
Xtra-Range 24" Locking Screw
Part Number: 05-100-103
Xtra-Range 12" Locking Screw
Part Number: 05-100-104
Note: Compatible with all versions, fits both carriage and fine adjust.



End Stop Screw
Part Number: 05-100-079
Note: Compatible only with all yellow button versions.

Adjustment Slider 12" (New)
Part Number: 05-100-109
Adjustment Slider 24" (New)
Part Number: 05-100-098
Adjustment Slider 40" (New)
Part Number: 05-100-099
Note: Compatible only with all yellow button versions.

Xtra-Range 24" Fine Adjust Nut (New)
Part Number: 05-100-096
Xtra-Range 40" Fine Adjust Nut (New)
Part Number: 05-100-097
Note: Compatible only with all yellow button versions. The 24" Adjustment Nut is for both 12" and 24".

Xtra-Range 12" Scale Cover
Part Number: 05-100-453
Xtra-Range 24" Scale Cover
Part Number: 05-100-454
Xtra-Range 40" Scale Cover
Part Number: 05-100-455

Part Number	Range	Accuracy	Jaw Depth
54-100-312-0	0-12"/300mm	±0.002"	3.5"
54-100-024-1	0-24"/600mm	±0.003"	4"
54-100-042-1	0-40"/1000mm	±0.004"	4.9"
Accessories			
54-100-350-0	CR2032 Replacement Battery		

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XTRA-RANGE Electronic Caliper

Xtra-Range 40" Display (Old)
Part Number: 05-100-076
Xtra-Range 24" Display (Old)
Part Number: 05-100-077
Note: Not compatible with all yellow button versions.

Xtra-Range 12" Display (Old)
Part Number: 05-100-078
Note: Not compatible with all yellow button versions.

XRO 40" Display Crystal
Part Number: 05-100-089
XRO 24" Display Crystal
Part Number: 05-100-090
XRO 12" Display Crystal
Part Number: 05-100-091
Note: Compatible only with one red button versions.

Xtra-Range 40" Locking Screw
Part Number: 05-100-102
Xtra-Range 24" Locking Screw
Part Number: 05-100-103
Xtra-Range 12" Locking Screw
Part Number: 05-100-104
Note: Compatible with all versions, fits both carriage and fine adjust.

XRO 40" Battery Cover
Part Number: 05-100-080
XRO 24" Battery Cover
Part Number: 05-100-081
XRO 12" Battery Cover
Part Number: 05-100-082
Note: Compatible only with old Xtra-Range displays, not compatible with all yellow button versions.

Adjustment Slider 24" (Old)
Part Number: 05-100-100
Fine Adjust Nut 24" (Old)
Part Number: 05-100-101
Note: Compatible only with one red button versions.

Xtra-Range 12" Scale Cover
Part Number: 05-100-453
Xtra-Range 24" Scale Cover
Part Number: 05-100-454
Xtra-Range 40" Scale Cover
Part Number: 05-100-455

End Stop Bracket
Part Number: 05-100-095
Note: Compatible only with with 24" one red button versions.

Part Number	Range	Accuracy	Jaw Depth
54-100-312-0	0-12"/300mm	±0.002"	3.5"
54-100-024-1	0-24"/600mm	±0.003"	4"
54-100-042-1	0-40"/1000mm	±0.004"	4.9"
Accessories			
54-100-350-0	CR2032 Replacement Battery		

Long Range Dial Calipers

No. 52-008-018-0

Internal jaw width: 0.5"

End Stop for 12"+ Calipers
Part Number: 05-100-342

Thumbwheel Assembly for 52-008-024
Part Number: 05-100-429

Thumbwheel for 52-008-018
Part Number: 05-100-445

Long Range Caliper Dial Face
Part Number: 05-100-107
Note: Compatible with both 18 and 24 inch versions.

Long Range Caliper Bezel and Crystal
Part Number: 05-100-108
Note: Compatible with both 18 and 24 inch versions.

Part Number	Range	Graduation	Accuracy	Jaw Depth
52-008-018-0	0-18"	.001"	±0.003	3.125"
52-008-024-0	0-24"	.001"	±0.003	3.125"

Master Vernier Caliper

No. 52-085-012

Internal jaw width: 0.5"

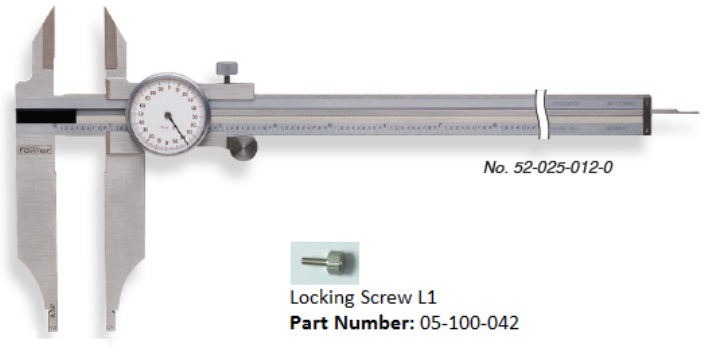
Xtra-Range 40" Locking Screw
Part Number: 05-100-102
Note: Compatible only with 52-085-040 calipers.

Part Number	Range	Graduation	Accuracy	Jaw Depth
52-085-012-0	12"/300mm	.001"/.02mm	±0.002"	3"
52-085-024-0	24"/600mm	.001"/.02mm	±0.003"	4"
52-085-040-0	40"/1000mm	.001"/.02mm	±0.004"	5-1/2"
52-085-060-0	60"/1500mm	.001"/.02mm	±0.005"	7-1/2"

Larger sizes available upon request

Fowler

Heavy Duty Dial Caliper



No. 52-025-012-0

Locking Screw L1
Part Number: 05-100-042

Part Number	Range	Dial Graduations	Accuracy	Jaw Depth
52-025-012-0	0-12"	.001"	±0.002"	3-1/2"
52-025-013-0	300mm	.05mm	±0.05mm	90mm

Heavy Duty Dial Caliper

No. 52-025-108-0

Locking Screw L1
Part Number: 05-100-042

Medium Bezel and Crystal BC2
Part Nummber: 05-100-068
Note: Only compatible with 6 and 8 inch versions.

Large Bezel and Crystal BC3
Part Number: 05-100-067
Note: Only compatible with the 12 inch calipers.

Part Number	Range	Dial Graduations	Accuracy	Jaw Depth
52-025-108-0	8"	.001"	±0.0015"	2.5"
52-025-112-0	12"	.001"	±0.002"	2.875"

German engineering and quality.

Internal jaw width: 0.35"