

# BenchMark® SS Stainless Steel Bench Scale

**RICE LAKE**  
WEIGHING SYSTEMS

*As of: Thursday, February 13,  
2025*



## Standard Features

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- 304 stainless steel frame and cover
- Base design isolates load cell from overloads and shock loads for added durability
- Specially designed adjustable support feet provide exceptional traction and will not scratch surfaces

## Approvals



Measurement  
Canada  
Approved





WARNING:  
Cancer  
and  
Reproductive  
Harm  
California  
Proposition  
65

# Extremely Accurate Medium to High Capacity Bench Scale Weighing

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The BenchMark SS stainless steel bench scale is ideal for corrosive, dry environments. This benchtop scale is constructed with superior craftsmanship, yielding a tough scale that performs accurately despite industrial-grade challenges. Custom sizes are available to meet unique application needs for a perfect fit in any site.

## BenchMark Stainless Steel Specifications

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**Load Cell, NTEP Certified:**

IP66 aluminum, environmentally sealed

**Output Impedance:**

350 ohm

**Maximum Overload:**

150% to 200% depending on capacity

**Overload Protection:**

Five-point, independently adjusted

**Scale Frame:**

AISI304L, glass bead blasted for even appearance

**Scale Cover:**

AISI304L, straight line finish, Ra=45 ±10

**Cable Length:**

10 ft (3 m)

**Temperature:**

Compensated:  
14 °F to 104 °F (-10 °C to 40 °C)

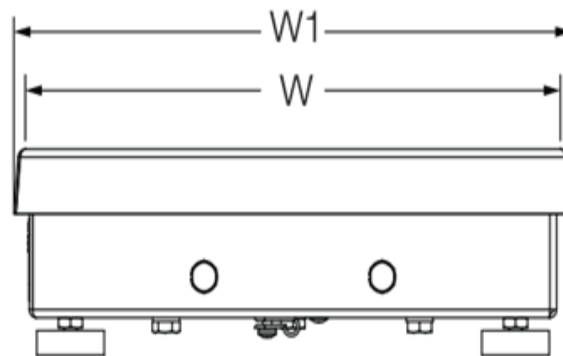
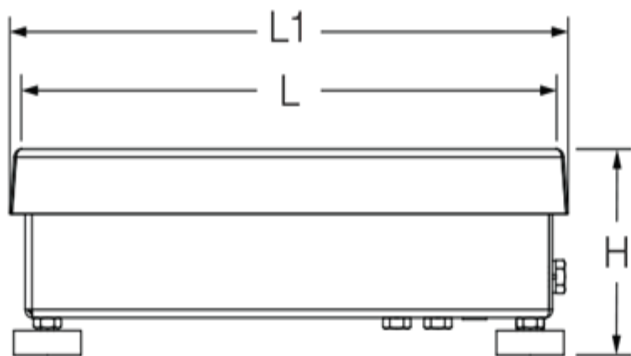
**Warranty:**

Two-year limited

**Approvals:**

NTEP CC 95-072, Class III, 5,000 d  
Measurement Canada AM-5082

# BenchMark Stainless Steel Dimensions



<b>12 × 18 in</b>			
H	4.00 in (102 mm)	W	18.00 in (457 mm)
L	12.00 in (305 mm)	W1	18.50 in (470 mm)
L1	12.50 in (318 mm)		
<b>18 × 18 in</b>			
H	5.25 in (133 mm)	W	18.00 in (457 mm)
L	18.00 in (457 mm)	W1	18.75 in (476 mm)
L1	18.75 in (476 mm)		
<b>18 × 24 in</b>			
H	5.25 in (133 mm)	W	18.00 in (457 mm)
L	24.00 in (610 mm)	W1	18.75 in (476 mm)
L1	24.75 in (629 mm)		

**24 × 24 in**

H	5.25 in (133 mm)	W	24.00 in (610 mm)
L	24.00 in (610 mm)	W1	24.75 in (629 mm)
L1	24.75 in (629 mm)		

*Note: 1 in = 25.4 mm*

# Parts

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<b>Part #</b>	<b>Description</b>
<b>186222</b>	Scale,BENCHMARK BM1218S- 50 12x18x4 50 lb 10ft NTEP III SST
<b>186223</b>	Scale,BENCHMARK BM1218S- 100 12x18x4 100 lb 10ft NTEP III SST
<b>18591</b>	Scale,BENCHMARK BM1818S- 50 18x18x5-1/4 50 lb 10ft NTEP III SST
<b>18593</b>	Scale,BENCHMARK BM1818S- 100 18x18x5-1/4 100 lb 10ft NTEP III SST
<b>18595</b>	Scale,BENCHMARK BM1818S- 150 18x18x5-1/4 150 lb 10ft NTEP III SST
<b>18597</b>	Scale,BENCHMARK BM1818S- 200 18x18x5-1/4 200 lb 10ft NTEP III SST
<b>18599</b>	Scale,BENCHMARK BM1818S- 250 18x18x5-1/4 250 lb 10ft NTEP III SST
<b>18601</b>	Scale,BENCHMARK BM1818S- 300 18x18x5-1/4 300 lb 10ft NTEP III SST
<b>18603</b>	Scale,Benchmark BM1818S- 500lb 10ft NTEP III SST
<b>18605</b>	Scale,BENCHMARK BM1818S- 1K 18x18x5-1/4 1,000 lb 10ft NTEP III SST
<b>18607</b>	Scale,BENCHMARK BM1824S- 50 18x24x5-1/4 50 lb 10ft SST
<b>18609</b>	Scale,BENCHMARK BM1824S- 100 18x24x5-1/4 100 lb 10ft NTEP III SST
<b>18611</b>	Scale,BENCHMARK BM1824S- 150 18x24x5-1/4 150 lb 10ft NTEP III SST
<b>18613</b>	Scale,BENCHMARK BM1824S- 200 18x24x5-1/4 200 lb 10ft NTEP III SST
<b>18615</b>	Scale,BENCHMARK BM1824S- 18x24x5-1/4 250 lb 10ft NTEP III SST
<b>18617</b>	Scale,BENCHMARK BM1824S- 300 18x24x5-1/4 300 lb 10ft NTEP III SST
<b>18619</b>	Scale,BENCHMARK BM1824S- 500 18x24x5-1/4 500 lb 10ft NTEP III SST
<b>18621</b>	Scale,BENCHMARK BM1824S- 1K 18x24x5-1/4 1,000 lb 10ft NTEP III SST
<b>18623</b>	Scale,BENCHMARK BM2424S- 100 24x24x5-1/4 100 lb 10ft NTEP III SST
<b>18625</b>	Scale,BENCHMARK BM2424S- 150 24x24x5-1/4 150 lb 10ft NTEP III SST
<b>18627</b>	Scale,BENCHMARK BM2424S- 200 24x24x5-1/4 200 lb 10ft NTEP III SST
<b>18629</b>	Scale,BENCHMARK BM2424S- 250 24x24x5-1/4 250lb 10ft NTEP III SST
<b>18631</b>	Scale,BENCHMARK BM2424S- 300 24x24x5-1/4 300 lb 10ft NTEP III SST
<b>18633</b>	Scale,BENCHMARK BM2424S- 500 24x24x5-1/4 500 lb 10ft NTEP III SST

<b>Part #</b>	<b>Description</b>
<b>18635</b>	Scale,BENCHMARK BM2424S- 1K 24x24x5-1/4 1,000 lb 10ft NTEP III SST

## Options

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<b>Part #</b>	<b>Description</b>
<b>112044</b>	Column,12 Inch SST Kit OPT Benchmark, Benchmark (SL/HE/HE-X), CW-80B, CW-90B, CW-90XB to IQ+210, CW-90I, CW-90XI, 480/482, 680/682, 380/380X
<b>112045</b>	Column,18 Inch SST Kit OPT Benchmark, Benchmark (SL/HE/HE-X), CW-80B, CW-90B, CW-90XB to IQ+210, CW-90I, CW-90XI,480/482, 680/682, 380/380X
<b>64576</b>	Bracket,Attachment Kit OPT, Benchmark for IQ+210, 480/482, 680/682, 380/380X
<b>22125</b>	LIT,Manual Benchmark Scale
<b>196363</b>	Column,12 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with battery
<b>196364</b>	Column,18 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with battery
<b>197482</b>	Column,12 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with power supply option (power supply will not be mounted to the column), 880/880 Plus Universal
<b>197484</b>	Column,18 Inch SST Kit OPT Benchmark, Benchmark (SL/HE), CW-80B, CW-90B, CW-90XB to 882IS/882IS PLUS with power supply (power supply will not be mounted to the column), 880/880 Plus Universal

# Replacement Parts

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**Part #**      **Description**

## 12 x 18 in Stainless Steel

**22125**      LIT,Manual Benchmark Scale

**35128**      Foot,Bench Scale 1/4-20NC x1-3/16 SST

**14645**      Nut,Jam 1/4-20NC HEX SST Width Across Flats=7/16 Thickness=5/32

**32795**      Bottom Sub-Assembly 12x18 SS Bench Scale

**32957**      Top Cover,12x18x1 .06 Thick SST

**15148**      Washer,Lock 1/4 Regular Helical Spring SST ID=.254-.262 OD=.489max Thickness=.062

**14963**      Screw,Cap 1/4-20NCx3/4 HEX Head Fully Threaded ASTM F593 Alloy Group 1 Cold Worked SST

**15410**      Level,Spirit Bubble Plastic 15mm Press Fit

**32797**      Spider,Top 12x18 Bench Scale

**16141**      Cable Tie,8in Nylon

**15418**      Grommet,Rubber 3/16 ID x 7/16 OD x 3/8 H W/5/16 DIA x 1/4 Tall Groove Nitrile

**14920**      Screw, Set 8-32NC x 1/4 Hex Drive Cup Point 18-8 SST

**15409**      Clamp,Cable NO 8 Hole Nylon

**15138**      Washer,Plain STD NO 8 SST ID=.172 OD=.375 Thickness .031

**15132**      Washer,Lock NO 8 Type A Internal Tooth SST ID=.168-.176 OD=.325-.340 Thickness=.018-.023

**14862**      Screw,Machine 8-32NC x 3/8 Phillips Pan Head Fully Threaded 18-8 SST

**19089**      Shim,Load Cell .060x1x 1.34 SST

**26408**      Bumper,Self Adhesive 3/4 DIAx0.16 Black Polyurethane (rubber)

## 18 x 18 in & 18 x 24 in & 24 x 24 in Mild and Stainless Steel

**22125**      LIT,Manual Benchmark Scale

**19141**      Foot, Leveling, Fixed, 3/8-16 x 1in Stem, 1-1/2in Wide SST Base

**14649**      Nut,Jam 3/8-16NC HEX Steel Zinc Plated Width Across Flats=9/16 Thickness=7/32

**14653**      Nut,Jam 3/8-16NC HEX SST Width Across Flats=9/16 Thickness=7/32



<b>Part #</b>	<b>Description</b>
<b>49766</b>	Frame,Bottom Bench Scale 18x18 Mild Steel Painted
<b>49768</b>	Frame,Bottom Bench Scale 18x18 SST
<b>49770</b>	Frame,Bottom Bench Scale 18x24 Mild Steel Painted
<b>49772</b>	Frame,Bottom Bench Scale 18x24 SST
<b>49774</b>	Frame,Bottom Bench Scale 24x24 Mild Steel Painted
<b>49776</b>	Frame,Bottom Bench Scale 24x24 SST
<b>19108</b>	Frame,Bottom Bench Scale 18x18 Mild Steel Painted
<b>19109</b>	Frame,Bottom Bench Scale 18x18 SST
<b>19110</b>	Frame,Bottom Bench Scale 18x24 Mild Steel Painted
<b>19111</b>	Frame,Bottom Bench Scale 18x24 SST
<b>19112</b>	Frame,Bottom Bench Scale 24x24 Mild Steel Painted
<b>19114</b>	Frame,Bottom Bench Scale 24x24 SST
<b>14742</b>	Bolt,3/8-16NCx1 HEX Head Fully Threaded Grade 2 Steel Zinc Plated
<b>19094</b>	Cover,Top Bench Scale 18 X 18 SST
<b>19095</b>	Cover,Top Bench Scale 18 X 24 SST
<b>19096</b>	Cover,Top Bench Scale 24x 24 SST
<b>26407</b>	Bumper,Self Adhesive 1-1/4x1-1/4x0.24 Black
<b>15153</b>	Washer,Lock 5/16 Regular Helical Spring Steel Zinc Plated ID=.317-.326 OD=.586max Thickness=.078
<b>15154</b>	Washer,Lock 5/16 Regular Helical Spring SST ID=.317-.326 OD=.586max Thickness=.078
<b>26668</b>	Screw,Cap 5/16-18NC x 3/4 Hex Head Fully Threaded Grade 8 Steel Yellow Zinc Plated
<b>26669</b>	Screw,Cap 5/16-18NC x 3/4 Hex Head 18-8 SST
<b>26667</b>	Screw,Cap 5/16-18NC x 1 Hex Head Fully Threaded Grade 8 Steel Yellow Zinc Plated
<b>26670</b>	Screw,Cap 5/16-18NC x 1 Hex Head 18-8 SST
<b>49785</b>	Washer,Plate Bench Scale Steel Zinc Plated For RL1260 Load Cell 3/8x2x2-1/2 **(INTERNAL MUTI LOC KANBAN ALSO STOCKED AT 050000)**
<b>49786</b>	Washer,Plate Bench Scale SST RL1260 Load Cell 3/8x2x2-1/2

<b>Part #</b>	<b>Description</b>
<b>19102</b>	Plate,Washer Bench Scale Steel Zinc Plated
<b>19103</b>	Plate,Washer Bench Scale SST
<b>15410</b>	Level,Spirit Bubble Plastic 15mm Press Fit
<b>19140</b>	Square Plug Black Polyethylene Material, For 1.50 Inch Square Tubing. Wall Thickness .083-.134
<b>49765</b>	Frame,Top Bench Scale 18x18 Mild Steel Painted For RL1260 Load Cell. (Goes with 49766)
<b>49767</b>	Frame,Top Bench Scale 18x18 SST For RL1260 Load Cell. (Goes with 49768)
<b>19116</b>	Frame,Top Bench Scale 18x 18 Steel Painted. (Goes with 19108)
<b>19117</b>	Frame,Top Bench Scale 18x 18 SST. (Goes with 19109)
<b>19118</b>	Frame,Top Bench Scale 18x 24 Steel Painted. (Goes with 19110)
<b>19119</b>	Frame,Top Bench Scale 18x 24 SST. (Goes with 19111)
<b>49769</b>	Frame,Top Bench Scale 18x24 Mild Steel Painted For RL1260 Load Cell. (Goes with 49770)
<b>49771</b>	Frame,Top Bench Scale 18x24 SST For RL1260 Load Cell. (Goes with 49772)
<b>49773</b>	Frame,Top Bench Scale 24x24 Mild Steel Painted For RL1260 Load Cell. (Goes with 49774)
<b>49775</b>	Frame,Top Bench Scale 24x24 SST For RL1260 Load Cell. (Goes with 49776)
<b>19120</b>	Frame,Top Bench Scale 24x 24 Steel Painted
<b>19121</b>	Frame,Top Bench Scale 24x 24 SST. (Goes with 19114)
<b>16141</b>	Cable Tie,8in Nylon
<b>15409</b>	Clamp,Cable NO 8 Hole Nylon
<b>15418</b>	Grommet,Rubber 3/16 ID x 7/16 OD x 3/8 H W/5/16 DIA x 1/4 Tall Groove Nitrile
<b>49788</b>	Screw,Cap 5/16-18NC x 1-1/4 Hex Head Fully Threaded Yellow Zinc Plated
<b>49789</b>	Screw,Cap 5/16-18NC x 1-1/4 Hex Head Fully Threaded 18-8 SST
<b>26667</b>	Screw,Cap 5/16-18NC x 1 Hex Head Fully Threaded Grade 8 Steel Yellow Zinc Plated
<b>26668</b>	Screw,Cap 5/16-18NC x 3/4 Hex Head Fully Threaded Grade 8 Steel Yellow Zinc Plated
<b>26669</b>	Screw,Cap 5/16-18NC x 3/4 Hex Head 18-8 SST
<b>49787</b>	Shim Plate,Bench Scale SST 1/8x2x2-1/2 **(INTERNAL MUTI LOC KANBAN ALSO STOCKED AT 050000)
<b>22264</b>	Shim Plate,Bench Scale SST

<b>Part #</b>	<b>Description</b>
<b>15045</b>	Screw, Set 1/2-20NF x 1/2 Hex Socket Cup Point Alloy Steel Black Oxide
<b>15047</b>	Screw, Set 1/2-20NF x 1/2 Hex Socket Cup Point 18-8 SST
<b>14858</b>	Screw,Machine 8-32NC x 5/16 Phillips Pan Head Steel Zinc Plated
<b>14862</b>	Screw,Machine 8-32NC x 3/8 Phillips Pan Head Fully Threaded 18-8 SST
<b>91683</b>	Load Cell, SPT RLPWM12 1000kg 10ft 2 MV/V 350 OHM NTEP III 5 S AL Potted FM CE
<b>35316</b>	Screw,Cap 1/4-20NC x 2 Hex Head Partially Threaded Grade 2 Steel Zinc Plated
<b>35199</b>	Screw,Cap 1/4-20NC x 2 Hex Head Partially Threaded 18-8 SST
<b>15145</b>	Washer,Plain 1/4 Type A Series N Steel Zinc Plated ID=.276-.296 OD .620-.640 Thickness=.051-.080
<b>15149</b>	Washer,Plain STD 1/4 SST ID=.266 OD=.625 Thickness=.050
<b>14635</b>	Nut,Lock 1/4-20NC HEX Nylon Insert Steel Zinc Plated Width Across Flats=7/16 Thickness= 5/16
<b>14634</b>	Nut,Lock 1/4-20NC HEX Nylon Insert SST Width Across Flats=7/16 Thickness=5/16

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