Stainless Steel Slotted Weights

NIST Class F and ANSI/ASTM E617 Class 1, 2, 3, 4, 5, 6 and OIML R 111 Class F1, F2, M1, and M2

General Information

Stainless Steel Slotted Weights are used in a variety of applications such as pressure, torque, and tensile strength testing. Stainless Steel Slotted Weights are typically used with a hanger that also has its weight calibrated so it can be used as part of the overall weight under test. Several Stainless Steel Slotted Weights may be used together to build up from a minimum weight to a maximum test load. The hanger weight selected should be able to accommodate the total load needed.

Suggested Markets

Recommended applications for Stainless Steel Slotted Weights include, but are not limited to, torque calibrations and tensile strength testing.

Tolerance Classes

Refer to Troemner's Tolerance Chart on pages 19-20 for specific information on the tolerance of each weight in a given class. Troemner's Tolerance Charts are also available on www.troemner.com for additional reference.

Surface Finish

All surfaces have a satin finish and conform to specifications in ANSI/ASTM E617. Surface finish specifications are available on www.troemner.com for additional reference.

Material Specifications

Weight Range	Base Material	Density
All Sizes	303 Stainless Steel	7.85 g/cm^3 at 20° C

Construction and General Shape

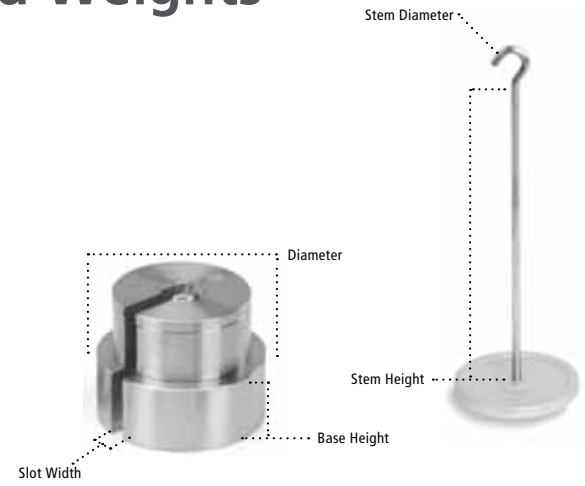
Troemner's Stainless Steel Slotted Weights are manufactured from 300 series stainless steel that meets ANSI/ASTM E617 hardness requirements. Each weight has the nominal value stamped into the top side of the weight. The interlocking design helps secure a stack of slotted weights onto a hanger. Hangers are available in a variety of lengths and weight capacities. Hooks on hangers have a ½ inch opening. Please contact a Troemner Sales Representative at 800-249-5554 or troemner@troemner.com for complete details and to discuss available options.

[+] NVLAP Laboratory Code 105013-0

Stainless Steel Slotted Weights

Individual Weights

Stainless Steel Slotted Weights are not supplied in cases. Troemner manufactures a variety of custom containers and carts to properly store and transport your Stainless Steel Slotted Weights and to keep them clean and protected. Containers and carts can be manufactured from a variety of materials depending on your application and environment. Please contact a Troemner Sales Representative at 800-249-5554 or troemner@troemner.com for complete details and to discuss available options.



Metric Slotted Flat Individual Weights

Weight	Diameter (inches)	Height (inches)	Slot Width (inches)
25 kg	7.88	4.15	0.50
20 kg	7.88	3.33	0.50
10 kg	6.88	2.22	0.50
5 kg	4.94	2.10	0.50
3 kg	4.94	1.28	0.50
2 kg	4.00	1.44	0.50
1 kg	4.00	0.72	0.50
1/2 kg	2.00	1.46	0.38
500 g	2.00	1.46	0.38
300 g	2.00	0.87	0.38
200 g	1.63	0.94	0.38
100 g	1.63	0.47	0.38
50 g	1.63	0.24	0.38
20 g	1.25	0.19	0.38
10 g	1.25	0.09	0.38
5 g	1.31	0.10	0.25
3 g	1.30	0.06	0.25
2 g	1.30	0.04	0.25
1 g	1.32	0.02	0.25

Metric Slotted Interlocking Individual Weights

Weight	Diameter (inches)	Height (inches)	Slot Width (inches)
25 kg	7.88	4.27	0.50
20 kg	7.88	3.47	0.50
10 kg	6.88	2.31	0.50
5 kg	4.94	2.32	0.50
3 kg	4.94	1.37	0.50
2 kg	4.00	1.54	0.50
1 kg	4.00	0.82	0.50
1/2 kg	4.00	0.46	0.50
500 g	4.00	0.46	0.50
300 g	3.00	0.47	0.38
200 g	2.00	0.71	0.38
100 g	2.00	0.41	0.38
50 g	1.63	0.34	0.38

Avoirdupois Slotted Flat Individual Weights

Weight	Diameter (inches)	Height (inches)	Slot Width (inches)
50 lb	7.88	3.78	0.50
25 lb	6.88	2.52	0.50
20 lb	6.88	2.52	0.50
10 lb	4.94	1.99	0.50
5 lb	4.00	1.55	0.50
3 lb	4.00	0.93	0.50
2 lb	4.00	0.62	0.50
1 lb	2.00	1.33	0.38
0.5 lb	1.63	1.08	0.38
0.2 lb	1.63	0.45	0.38
0.1 lb	1.63	0.22	0.38
8 oz	1.63	1.08	0.38
4 oz	1.63	0.54	0.38
2 oz	1.63	0.27	0.38
1 oz	1.25	0.26	0.38
1/2 oz	1.25	0.13	0.38
1/4 oz	1.25	0.06	0.38
1/8 oz	1.25	0.03	0.38
1/16 oz	1.25	0.01	0.38
1/32 oz	1.25	0.01	0.38

Avoirdupois Slotted Interlocking Individual Weights

Weight	Diameter (inches)	Height (inches)	Slot Width (inches)
50 lb	7.88	3.88	0.50
25 lb	6.98	2.55	0.50
20 lb	6.88	2.12	0.50
10 lb	4.95	2.07	0.50
5 lb	4.00	1.65	0.50
3 lb	4.00	1.03	0.50
2 lb	4.00	0.72	0.50
1 lb	2.00	1.42	0.38
0.5 lb	1.63	1.17	0.38
0.2 lb	2.00	0.38	0.38
0.1 lb	1.63	0.31	0.38
8 oz	1.63	1.17	0.38
4 oz	1.25	0.64	0.38
2 oz	1.63	0.37	0.38

[+] NVLAP Laboratory Code 105013-0

Stainless Steel Hook Weights

NIST Class F, ANSI/ASTM E617 Class 1, 2, 3, 4, 5, 6 and OIML R 111 Class F1, F2, M1, and M2

General Information

Stainless Steel Hook Weights are used in a variety of applications such as pressure, torque, and tensile strength testing. Hook Weights are available as hook top, hook top and bottom, or hook top and bottom with a recessed bottom.

Suggested Markets

Recommended applications for Stainless Steel Slotted Weights include, but are not limited to, blood collection.

Tolerance Classes

Refer to Troemner's Tolerance Chart on pages 19-20 for specific information on the tolerance of each weight in a given class. Troemner's Tolerance Chart is also available on www.troemner.com for additional reference.

Surface Finish

All surfaces have a satin finish and conform to specifications in ANSI/ASTM E617. Surface finish specifications are available on www.troemner.com for additional reference.

Material Specifications

Weight Range	Base Material	Density
All Sizes	303 Stainless Steel	7.85 g/cm^3 at 20° C

Construction and General Shape

Troemner's Stainless Steel Hook weights are manufactured from 300 series stainless steel. Each weight has the nominal value stamped into the top side of the weight.

Hook Top Only - Hook Top Weights are flat on top with a stationary hook in the center of the weight.

Hook Top and Bottom - Hook Top and Bottom Weights have a flat top and bottom with a stationary hook on either end of the weight.

Loose Hook Top and Bottom - Loose Hook Top and Bottom Weights have a flat top with recessed bottom which allows the hook to move freely through the weight. The recessed bottom also allows the weight to sit flat on an even surface.

[+] NVLAP Laboratory Code 105013-0

Stainless Steel Hook Weights
Individual Weights

Stainless Steel Hook Weights are not supplied in cases. Troemner manufactures a variety of custom containers and carts to properly store and transport your Stainless Steel Hook Weights and to keep them clean and protected. Containers and carts can be manufactured from a variety of materials depending on your application and environment. Please contact a Troemner Sales Representative at 800-249-5554 or troemner@troemner.com for complete details and to discuss available options.

Metric Hook Top Only Weights

Weight	Diameter (inches)	Height (inches)
25 kg	5.97	9.11
20 kg	5.98	8.13
10 kg	4.95	5.53
5 kg	3.73	4.50
3 kg	2.74	5.06
2 kg	2.61	3.96
1 kg	1.99	3.56
1/2 kg	1.49	3.29
500 g	1.49	3.29
300 g	1.36	2.65
200 g	1.12	2.61
100 g	0.87	1.95
50 g	0.74	1.52
20 g	0.50	1.34
10 g	0.43	1.00
5 g	0.45	1.75
3 g	0.47	0.97
2 g	0.41	0.75
1 g	0.38	0.75

Metric Hook Top and Bottom Weights

Weight	Diameter (inches)	Height (inches)
25 kg	5.97	11.35
20 kg	5.98	8.13
10 kg	4.47	7.45
5 kg	3.73	5.69
3 kg	2.74	6.13
2 kg	2.62	5.00
1 kg	1.99	4.62
1/2 kg	1.49	4.32
500 g	1.49	4.32
300 g	1.36	3.68
200 g	1.12	3.63
100 g	0.87	2.54
50 g	0.74	2.14
20 g	0.50	1.81
10 g	0.43	1.37
5 g	0.45	1.75
3 g	0.47	0.97
2 g	0.41	0.75
1 g	0.38	0.75

Metric Loose Hook Top and Bottom Weights

Weight	Diameter (inches)	Height (inches)
25 kg	5.75	10.25
20 kg	5.70	7.50
10 kg	4.47	6.35
5 kg	3.23	6.29
3 kg	2.99	4.80
2 kg	2.73	4.15
1 kg	2.23	3.60
1/2 kg	1.73	3.15
500 g	1.73	3.15
300 g	1.48	2.92
200 g	1.24	2.70
100 g	0.99	2.40
50 g	0.80	2.23
20 g	0.68	1.70
10 g	0.49	1.63
5 g	0.45	1.75
3 g	0.47	0.97
2 g	0.41	0.75
1 g	0.38	0.75

Avoirdupois Hook Top Only Weights

Weight	Diameter (inches)	Height (inches)
50 lb	5.97	8.45
25 lb	4.47	7.08
20 lb	4.95	4.60
10 lb	3.24	5.75
5 lb	2.50	4.69
3 lb	2.50	3.25
2 lb	1.87	3.62
1 lb	1.49	3.04
0.5 lb	1.24	2.40
0.2 lb	0.87	1.83
0.1 lb	0.74	1.45
8 oz	1.24	2.40
4 oz	0.87	2.09
2 oz	0.74	1.61
1 oz	0.62	1.25
1/2 oz	0.43	1.25
1/4 oz	0.45	1.75
1/8 oz	0.47	0.97
1/16 oz	0.41	0.75
1/32 oz	0.38	0.75

Avoirdupois Hook Top and Bottom Weights

Weight	Diameter (inches)	Height (inches)
50 lb	5.97	10.80
25 lb	4.47	8.58
20 lb	4.23	8.00
10 lb	3.23	7.35
5 lb	2.48	5.71
3 lb	2.24	5.71
2 lb	1.87	4.67
1 lb	1.49	3.89
0.5 lb	1.24	3.32
0.2 lb	0.87	2.42
0.1 lb	0.74	2.06
8 oz	1.24	3.32
4 oz	0.87	2.72
2 oz	0.74	2.25
1 oz	0.55	1.95
1/2 oz	0.37	1.82
1/4 oz	1.19	1.19
1/8 oz	0.47	0.97
1/16 oz	0.41	0.75
1/32 oz	0.38	0.75

Avoirdupois Loose Hook Top and Bottom Weights

Weight	Diameter (inches)	Height (inches)
50 lb	5.97	8.45
25 lb	4.50	5.75
20 lb	4.95	4.60
10 lb	3.23	5.85
5 lb	2.60	4.88
3 lb	2.37	4.01
2 lb	1.98	4.00
1 lb	1.60	3.30
0.5 lb	1.24	2.40
0.2 lb	0.99	2.30
0.1 lb	0.80	2.14
8 oz	1.11	3.23
4 oz	0.87	2.81
2 oz	0.74	2.35
1 oz	0.55	2.41
1/2 oz	0.55	1.95
1/4 oz	0.45	1.75
1/8 oz	0.47	0.97
1/16 oz	0.41	0.75
1/32 oz	0.38	0.75

Stainless Steel Hook Weights
Individual Weights

Weight	Class	Certificate Type	Part Number
0.5 lb	F	NVLAP Accredited Certificate	01023-83
1 kg	F	NVLAP Accredited Certificate	01023-72
1 lb	F	NVLAP Accredited Certificate	01023-84
10 g	F	Traceable Certificate	00335FI
10 kg	F	NVLAP Accredited Certificate	01023-75
10 lb	F	NVLAP Accredited Certificate	01023-86
100 g	F	NVLAP Accredited Certificate	01023-69
100 g	F	Traceable Certificate	00335FB
2 kg	F	NVLAP Accredited Certificate	01023-73
2 lb	F	NVLAP Accredited Certificate	01023-85
20 g	F	Traceable Certificate	00335FG
20 kg	F	NVLAP Accredited Certificate	01023-76
200 g	F	NVLAP Accredited Certificate	01023-70
5 kg	F	NVLAP Accredited Certificate	01023-74
50 g	F	Traceable Certificate	00335FE
500 g	F	NVLAP Accredited Certificate	01023-71