



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.

Creating Your Complete Stainless Steel Slotted Weight Part Number

1. Select a Part

Select a part # from the following tables for each product that you wish to order.

2. Class Designation

All Stainless Steel Slotted Weights are adjusted to NIST Class F tolerances or ANSI/ASTM Class 1, 2, 3, 4, 5, 6 or OIML R 111 Class F1, F2, M1, M2.

3. Select a Certificate Code (optional)

Select a certificate code from the following table. To learn more about Troemner's certificates, please review the "Certificate Options" section beginning on page 23.

Available Certificates	Code
NVLAP* Accredited Certificate	W
Traceable Certificate	T

4. Create Your Complete Part Number(s)

Specify the Part Number + Certificate Code (optional) for each product that you wish to order.

Part #	Certificate Code	Example
	+	12924-SW

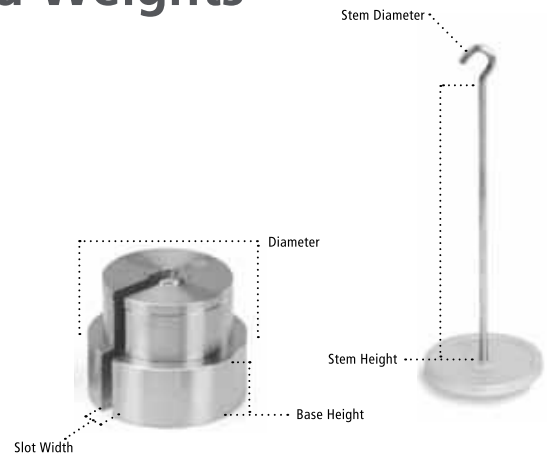
Slotted weights are supplied with NIST Class F tolerances. To order a Slotted weight in an ANSI/ASTM E617 Class 1, 2, 3, 4, 5 or 6 or OIML R 111 Class F1, F2, M1, M2 add a dash and the Class Code to the end of the part number.

* 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](tel:800-249-5554) or troemner@troemner.com for complete details and to discuss available options.



Metric Slotted Flat Individual Weights

Weight	Part #**	Diameter (inches)	Height (inches)	Slot Width (inches)
25 kg	12900—S	7.88	4.15	0.50
20 kg	12902—S	7.88	3.33	0.50
10 kg	12904—S	6.88	2.22	0.50
5 kg	12906—S	4.94	2.10	0.50
3 kg	12908—S	4.94	1.28	0.50
2 kg	12910—S	4.00	1.44	0.50
1 kg	12912—S	4.00	0.72	0.50
1/2 kg	12914—S	2.00	1.46	0.38
500 g	12916—S	2.00	1.46	0.38
300 g	12917—S	2.00	0.87	0.38
200 g	12918—S	1.63	0.94	0.38
100 g	12920—S	1.63	0.47	0.38
50 g	12922—S	1.63	0.24	0.38
20 g	12924—S	1.25	0.19	0.38
10 g	12926—S	1.25	0.09	0.38
5 g	12928—S	1.31	0.10	0.25
3 g	12929—S	1.30	0.06	0.25
2 g	12930—S	1.30	0.04	0.25
1 g	12932—S	1.32	0.02	0.25

Metric Slotted Interlocking Individual Weights

Weight	Part #**	Diameter (inches)	Height (inches)	Slot Width (inches)
25 kg	12800—S	7.88	4.27	0.50
20 kg	12802—S	7.88	3.47	0.50
10 kg	12804—S	6.88	2.31	0.50
5 kg	12806—S	4.94	2.32	0.50
3 kg	12808—S	4.94	1.37	0.50
2 kg	12810—S	4.00	1.54	0.50
1 kg	12812—S	4.00	0.82	0.50
1/2 kg	12814—S	4.00	0.46	0.50
500 g	12816—S	4.00	0.46	0.50
300 g	12817—S	3.00	0.47	0.38
200 g	12818—S	2.00	0.71	0.38
100 g	12820—S	2.00	0.41	0.38
50 g	12822—S	1.63	0.34	0.38

** For creating a complete part #, refer to page 108.

Avoirdupois Slotted Flat Individual Weights

Weight	Part #**	Diameter (inches)	Height (inches)	Slot Width (inches)
50 lb	12700—S	7.88	3.78	0.50
25 lb	12702—S	6.88	2.52	0.50
20 lb	12704—S	6.88	2.52	0.50
10 lb	12706—S	4.94	1.99	0.50
5 lb	12708—S	4.00	1.55	0.50
3 lb	12709—S	4.00	0.93	0.50
2 lb	12710—S	4.00	0.62	0.50
1 lb	12712—S	2.00	1.33	0.38
0.5 lb	12714—S	1.63	1.08	0.38
0.2 lb	12716—S	1.63	0.45	0.38
0.1 lb	12718—S	1.63	0.22	0.38
8 oz	12720—S	1.63	1.08	0.38
4 oz	12722—S	1.63	0.54	0.38
2 oz	12724—S	1.63	0.27	0.38
1 oz	12726—S	1.25	0.26	0.38
1/2 oz	12728—S	1.25	0.13	0.38
1/4 oz	12730—S	1.25	0.06	0.38
1/8 oz	12732—S	1.25	0.03	0.38
1/16 oz	12734—S	1.25	0.01	0.38
1/32 oz	12736—S	1.25	0.01	0.38

Avoirdupois Slotted Interlocking Individual Weights

Weight	Part #**	Diameter (inches)	Height (inches)	Slot Width (inches)
50 lb	12600—S	7.88	3.88	0.50
25 lb	12602—S	6.98	2.55	0.50
20 lb	12604—S	6.88	2.12	0.50
10 lb	12606—S	4.95	2.07	0.50
5 lb	12608—S	4.00	1.65	0.50
3 lb	12609—S	4.00	1.03	0.50
2 lb	12610—S	4.00	0.72	0.50
1 lb	12612—S	2.00	1.42	0.38
0.5 lb	12614—S	1.63	1.17	0.38
0.2 lb	12616—S	2.00	0.38	0.38
0.1 lb	12618—S	1.63	0.31	0.38
8 oz	12620—S	1.63	1.17	0.38
4 oz	12622—S	1.25	0.64	0.38
2 oz	12624—S	1.63	0.37	0.38

** For creating a complete part #, refer to page 108.



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.

Creating Your Complete Stainless Steel Hook Weight Part Number

1. Select a Part

Select a part # from the following tables for each product that you wish to order.

2. Class Designation

All Stainless Steel Hook Weights are adjusted to NIST Class F tolerances or ANSI/ASTM Class 1, 2, 3, 4, 5, 6 or OIML R 111 Class F1, F2, M1, M2.

3. Select a Certificate Code (optional)

Select a certificate code from the following table. To learn more about Troemner's certificates, please review the "Certificate Options" section beginning on page 23.

Available Certificates	Code
NVLAP* Accredited Certificate	W
Traceable Certificate	T

4. Create Your Complete Part Number(s)

Specify the Part Number + Certificate Code (optional) for each product that you wish to order.

Part #		Certificate Code	Example
	+		12300-ST

Hook weights are supplied with NIST Class F tolerances. To order a Hook weight in an ANSI/ASTM E617 Class 1, 2, 3, 4, 5 or 6 and OIML R 111 Class F1, F2, M1, M2 add a dash and the Class Code to the end of the part number.

* 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](tel:800-249-5554) or troemner@troemner.com for complete details and to discuss available options.

Metric Hook Top Only Weights

Weight	Part #*	Diameter (inches)	Height (inches)
25 kg	12300—S	5.97	9.11
20 kg	12302—S	5.98	8.13
10 kg	12304—S	4.95	5.53
5 kg	12306—S	3.73	4.50
3 kg	12308—S	2.74	5.06
2 kg	12310—S	2.61	3.96
1 kg	12312—S	1.99	3.56
1/2 kg	12314—S	1.49	3.29
500 g	12316—S	1.49	3.29
300 g	12317—S	1.36	2.65
200 g	12318—S	1.12	2.61
100 g	12320—S	0.87	1.95
50 g	12322—S	0.74	1.52
20 g	12324—S	0.50	1.34
10 g	12326—S	0.43	1.00
5 g	12328—S	0.45	1.75
3 g	12329—S	0.47	0.97
2 g	12330—S	0.41	0.75
1 g	12332—S	0.38	0.75

Metric Hook Top and Bottom Weights

Weight	Part #*	Diameter (inches)	Height (inches)
25 kg	12400—S	5.97	11.35
20 kg	12402—S	5.98	8.13
10 kg	12404—S	4.47	7.45
5 kg	12406—S	3.73	5.69
3 kg	12408—S	2.74	6.13
2 kg	12410—S	2.62	5.00
1 kg	12412—S	1.99	4.62
1/2 kg	12414—S	1.49	4.32
500 g	12416—S	1.49	4.32
300 g	12417—S	1.36	3.68
200 g	12418—S	1.12	3.63
100 g	12420—S	0.87	2.54
50 g	12422—S	0.74	2.14
20 g	12424—S	0.50	1.81
10 g	12426—S	0.43	1.37
5 g	12428—S	0.45	1.75
3 g	12429—S	0.47	0.97
2 g	12430—S	0.41	0.75
1 g	12432—S	0.38	0.75

* For creating a complete part #, refer to page 112.

Metric Loose Hook Top and Bottom Weights

Weight	Part #*	Diameter (inches)	Height (inches)
25 kg	12500—S	5.75	10.25
20 kg	12502—S	5.70	7.50
10 kg	12504—S	4.47	6.35
5 kg	12506—S	3.23	6.29
3 kg	12508—S	2.99	4.80
2 kg	12510—S	2.73	4.15
1 kg	12512—S	2.23	3.60
1/2 kg	12514—S	1.73	3.15
500 g	12516—S	1.73	3.15
300 g	12517—S	1.48	2.92
200 g	12518—S	1.24	2.70
100 g	12520—S	0.99	2.40
50 g	12522—S	0.80	2.23
20 g	12524—S	0.68	1.70
10 g	12526—S	0.49	1.63
5 g	12528—S	0.45	1.75
3 g	12529—S	0.47	0.97
2 g	12530—S	0.41	0.75
1 g	12532—S	0.38	0.75

* For creating a complete part #, refer to page 112.



Avoirdupois Hook Top Only Weights

Weight	Part #*	Diameter (inches)	Height (inches)
50 lb	12000—S	5.97	8.45
25 lb	12002—S	4.47	7.08
20 lb	12004—S	4.95	4.60
10 lb	12006—S	3.24	5.75
5 lb	12008—S	2.50	4.69
3 lb	12009—S	2.50	3.25
2 lb	12010—S	1.87	3.62
1 lb	12012—S	1.49	3.04
0.5 lb	12014—S	1.24	2.40
0.2 lb	12016—S	0.87	1.83
0.1 lb	12018—S	0.74	1.45
8 oz	12020—S	1.24	2.40
4 oz	12022—S	0.87	2.09
2 oz	12024—S	0.74	1.61
1 oz	12026—S	0.62	1.25
1/2 oz	12028—S	0.43	1.25
1/4 oz	12030—S	0.45	1.75
1/8 oz	12032—S	0.47	0.97
1/16 oz	12034—S	0.41	0.75
1/32 oz	12036—S	0.38	0.75

Avoirdupois Hook Top and Bottom Weights

Weight	Part #*	Diameter (inches)	Height (inches)
50 lb	12100—S	5.97	10.80
25 lb	12102—S	4.47	8.58
20 lb	12104—S	4.23	8.00
10 lb	12106—S	3.23	7.35
5 lb	12108—S	2.48	5.71
3 lb	12109—S	2.24	5.71
2 lb	12110—S	1.87	4.67
1 lb	12112—S	1.49	3.89
0.5 lb	12114—S	1.24	3.32
0.2 lb	12116—S	0.87	2.42
0.1 lb	12118—S	0.74	2.06
8 oz	12120—S	1.24	3.32
4 oz	12122—S	0.87	2.72
2 oz	12124—S	0.74	2.25
1 oz	12126—S	0.55	1.95
1/2 oz	12128—S	0.37	1.82
1/4 oz	12130—S	1.19	1.19
1/8 oz	12132—S	0.47	0.97
1/16 oz	12134—S	0.41	0.75
1/32 oz	12136—S	0.38	0.75

* For creating a complete part #, refer to page 112.

Avoirdupois Loose Hook Top and Bottom Weights

Weight	Part #*	Diameter (inches)	Height (inches)
50 lb	12200—S	5.97	8.45
25 lb	12202—S	4.50	5.75
20 lb	12204—S	4.95	4.60
10 lb	12206—S	3.23	5.85
5 lb	12208—S	2.60	4.88
3 lb	12209—S	2.37	4.01
2 lb	12210—S	1.98	4.00
1 lb	12212—S	1.60	3.30
0.5 lb	12214—S	1.24	2.40
0.2 lb	12216—S	0.99	2.30
0.1 lb	12218—S	0.80	2.14
8 oz	12220—S	1.11	3.23
4 oz	12222—S	0.87	2.81
2 oz	12224—S	0.74	2.35
1 oz	12226—S	0.55	2.41
1/2 oz	12228—S	0.55	1.95
1/4 oz	12230—S	0.45	1.75
1/8 oz	12232—S	0.47	0.97
1/16 oz	12234—S	0.41	0.75
1/32 oz	12236—S	0.38	0.75



* For creating a complete part #, refer to page 112.