

# Troemner Cast Iron Grip Handle Weights



*Precision & Balance Matched Only By Nature.*

## **General Information** –

Cast Iron Class F Grip Handle Weights are primarily used to test commercial weighing devices by state and local weights and measures officials, device installers and service technicians. Cast Iron Class F Grip Handle Weights may be used to test most accuracy Class III scales, all scales of Class III L or IIII, and scales not marked with a Class designation. Class F is also acceptable for use verifying scales that have a 0.1% accuracy and lower. Cast Iron Class F Grip Handle Weights larger than 5 kg / 10 lb are legal for trade, which means their design is acceptable for use in checking weighing devices where the price of the item being purchased is based on its weight. Cast Iron Class F Grip Handle Weights 5 kg / 10 lb and smaller are not legal for trade and are classified as ANSI/ASTM Class 6. If you require a 2 kg or 5 lb weight for a legal for trade application, see the Stainless Steel Class F Test Weights section in this desk reference.

**Tolerances** – Cast Iron Grip Handle Weights are adjusted to NIST Class F and ANSI/ASTM Class 6. Please see the Tolerance Chart within the Mass Standards Handbook in the back of this desk reference for specific information on the tolerance of each weight.

## **Construction and General Shape** –

Troemner's Cast Iron Grip Handle Weights are manufactured from a high quality iron that meets NIST Handbook 105-1 specifications for hardness. Castings meet surface roughness requirements of NIST Handbook 105-1 and are free of cracks, pits and sharp edges. Adjusting cavities are in each weight and the cavity opening is located on the side of the weight to meet NIST Handbook 105-1 specifications. Adjusting cavities are sealed with a lead plug and steel back-up spacer to provide a tamper resistant seal of the adjusting cavity. Weights are protected by a durable coat of paint – gold for metric and silver for avoirdupois – to protect the casting from rusting. Weights 50 kg / 100 lb and below are designed to be picked up and handled by hand. Weights above 50 kg / 100 lb are designed to be picked up and handled by means of a hook.

**Surface Finish** – All surfaces shall be smooth and free of scratches, dents and pores as outlined in NIST Handbook 105-1. Paint will be hard and resistant to chipping. Color codings (gold for metric and silver for avoirdupois) shall be used to differentiate the weights.

## **Ordering a Certificate With Your Weight or Weight Set** –

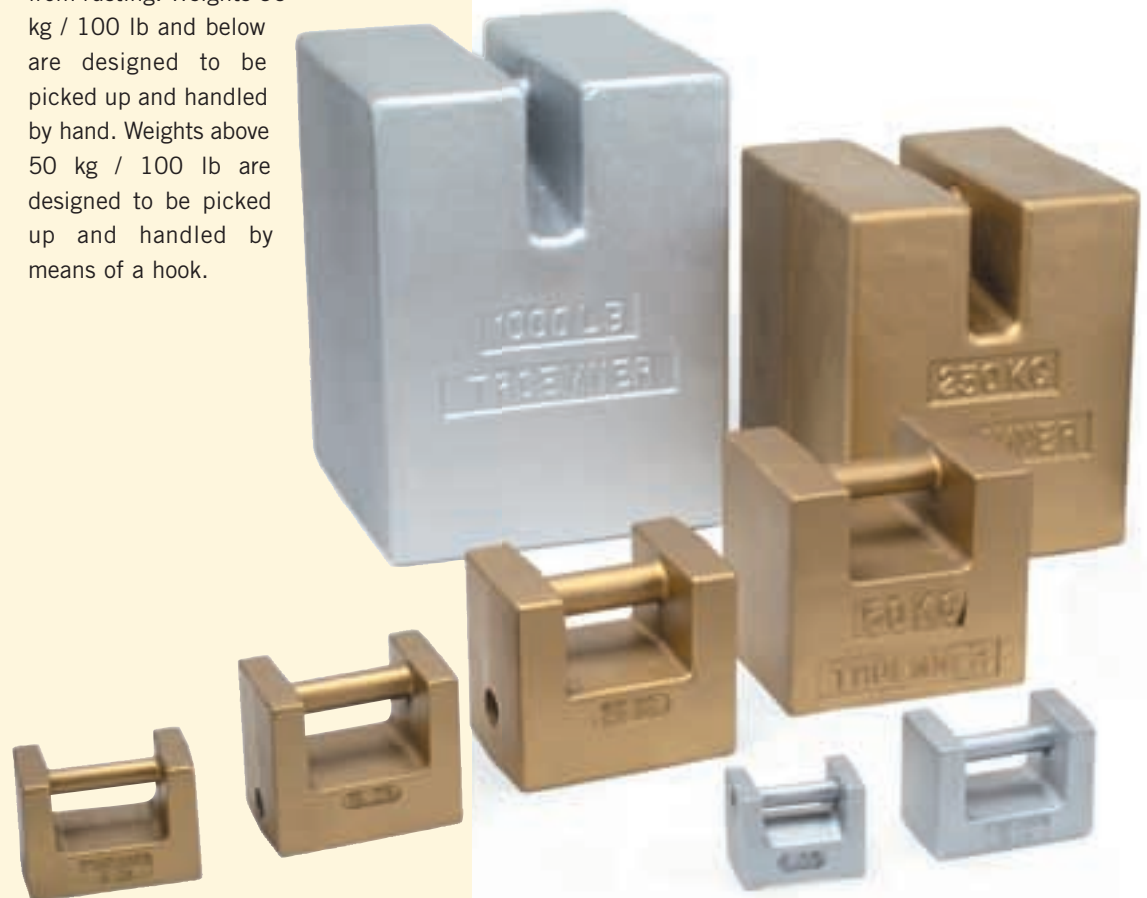
The following certificates are available to meet your traceability and compliance needs. Complete information on our calibration certificates is located in the Weight Calibration Certificate Options section of this desk reference.

- Weights and weight sets supplied without weight certificates come with **Troemner's Statement of Accuracy**.
- To order **Troemner's NVLAP Weight Calibration Certificate**, specify the Troemner part number using the table at the end of this section followed by "W."
- To order **Troemner's Traceable Certificate**, specify the Troemner part number followed by "T."

NVLAP®

Accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of Accreditation under Lab Code 105013.

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## Cast Iron Grip Handle Weights

AVOIRDUPOIS CAST IRON GRIP HANDLE WEIGHTS				
Weight	Part #	Length (inches)	Width (inches)	Height (inches)
5000 lb	9092	26.88	26.50	30.00
3000 lb	9090	20.19	20.31	29.50
2500 lb	9088	20.38	20.38	24.50
2000 lb	9087	20.38	20.63	19.88
1500 lb	9093	16.38	16.75	24.50
1250 lb	9091	15.00	18.25	19.00
1000 lb	9086	14.75	14.63	19.00
750 lb	9089	12.75	12.38	19.88
500 lb	9084	12.75	12.38	13.50
250 lb	9081	9.50	9.50	11.75
200 lb	9083	9.56	9.19	9.19
100 lb	9082	7.38	9.13	7.56
50 lb	9080	5.56	8.00	6.38
30 lb	9079	5.00	7.25	5.13
25 lb	9078	4.75	6.19	5.19
20 lb	9076	3.88	6.19	5.19
10 lb*	9074	3.88	5.38	3.56
5 lb*	9072	2.38	3.88	3.13

METRIC CAST IRON GRIP HANDLE WEIGHTS				
Weight	Part #	Length (inches)	Width (inches)	Height (inches)
2000 kg	9296	20.50	27.25	30.00
1000 kg	9294	20.63	20.25	21.69
500 kg	9292	14.75	14.63	20.75
250 kg	9291	12.75	12.25	14.75
200 kg	9290	12.75	12.25	12.00
100 kg	9289	9.50	9.50	10.50
50 kg	9288	7.31	9.00	8.25
25 kg	9286	5.56	7.75	6.75
20 kg	9284	5.50	7.63	5.88
10 kg	9282	4.38	6.19	5.19
5 kg*	9280	3.25	5.38	3.88
2 kg*	9278	2.38	3.88	2.81

\*Not legal for trade