

CLASS F TEST WEIGHTS

DATA BRIEF

Models XTW



Cast Iron
Grip Handle Weights



Stainless Steel
Cylindrical Weights



30 lb Combo Weight Kit



All weights are supplied with
a Statement of Accuracy

The **METTLER TOLEDO Xpress** XTW Test Weights are made in strict conformance with National Institute of Standard and Technology (NIST) Class F tolerances and specifications listed in NIST handbook 105-1.

These specifications and tolerances are intended to set forth minimum requirements for weights used (1) in the field by state and local weights and measures officials in the examination of weighing devices used in commerce; (2) by device installers and servicemen; (3) as reference standards in state weights and measures laboratories; and (4) in industrial, educational, and research laboratories.

■ Cast Iron Grip Handle Weights

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.

The Cast Iron Grip Handle Weights are manufactured from a high quality iron that meets NIST Handbook 105-1 specifications for hardness. The 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.

■ Cylindrical Test Weights

Stainless Steel Class F Cylindrical Test Weights are legal for trade, which means their design meets specifications as outlined in NIST Handbook 105-1 and are approved to be used on legal for trade devices within the United States.

XTW Stainless Steel Test Weights are manufactured from grade 303 stainless steel alloy that possesses closely controlled density, low magnetic susceptibility, good stability and resistance to corrosion and handling damage.

■ 30 lb Combo Weight Kit

The XTW 30 lb Combo Kit is supplied in a case with metal reinforced corners and bottoms with padded handles for easier carrying. Weights 200 g / 8 oz and above have their own compartment within the dense foam interior case. Smaller weights are contained within a smaller synthetic leather case that fits into the larger "master" carrying case. This "case within a case" design helps keep smaller weights from getting lost and also allows smaller weights to be taken out of the master case and used closer to the user's application.

Ordering Information

Grip Handle Test Weights - Avoirdupois

Order Number	Model	Capacity	Depth (")	Width (")	Height (")
10739400A	Grip Handle 20 lb	20 lb	4.00	6.19	5.00
10491300A	Grip Handle 25 lb	25 lb	4.75	6.19	5.00
10483000A	Grip Handle 50 lb	50 lb	5.56	8.00	6.38
075795300	Heavy Capacity 500 lb	500 lb	12.75	12.38	13.50
075833300	Heavy Capacity 1000 lb	1000 lb	14.75	14.63	19.00

Grip Handle Test Weights - Metric

Order Number	Model	Capacity	Depth (")	Width (")	Height (")
10739500A	Grip Handle 10 kg	10 kg	4.63	6.19	5.00
10482600A	Grip Handle 20 kg	20 kg	5.50	7.63	5.88
076280300	Grip Handle 25 kg	25 kg	0.56	7.75	6.75

Cylindrical Test Weights - Avoirdupois

Order Number	Model	Capacity
02971817A	Cylindrical 1/4 oz	1/4 oz
02971617A	Cylindrical 1/2 oz	1/2 oz
02971417A	Cylindrical 1 oz	1 oz
10739700A	Cylindrical 2 oz	2 oz
02971200A	Cylindrical 4 oz	4 oz
02971000A	Cylindrical 8 oz	8 oz
02970800A	Cylindrical 1 lb	1 lb
02970600A	Cylindrical 2 lb	2 lb
02970400A	Cylindrical 5 lb	5 lb
02970200A	Cylindrical 10 lb	10 lb

Cylindrical Test Weights - Metric

Order Number	Model	Capacity
10739900A	Cylindrical 1 g	1 g
10739800A	Cylindrical 2 g	2 g
022195170	Cylindrical 5 g	5 g
029740170	Cylindrical 10 g	10 g
029738170	Cylindrical 20 g	20 g
029734170	Cylindrical 50 g	50 g
02973200A	Cylindrical 100 g	100 g
02973000A	Cylindrical 200 g	200 g
02972600A	Cylindrical 500 g	500 g
02972400A	Cylindrical 1 kg	1 kg
02972200A	Cylindrical 2 kg	2 kg
02972000A	Cylindrical 5 kg	5 kg

Class F Weight Kit (30 lb)

Order Number	Model
085334020	30 lb Combo Kit Capacities (# of weights): lb: .001 (1), .002 (2), .005 (1), .01 (1), .02 (2), .05 (1), .1 (1), .2 (2), 1 (5), 5 (5) oz: 1/32 (2), 1/16 (1), 1/8 (1), 1/4 (1), 1/2 (1), 1 (1), 2 (1), 4 (1), 8 (1)