



Milligram weights Assorted Calibration Weights - F2 class



Application

Weights intended for use in the verification or calibration of class M1 and possibly class M2 weights. Also intended for use in important commercial transactions (e.g. precious metals and stones) on weighing instruments of high accuracy class II and III. (number of counts between 10001 to 30000, $n = \text{max capacity} / d$).

Technical Specifications

Brand	NSTAR
Model	As shown in table
Class	OIML F2
Shape	Wire shape
Material	Highgrade stainless steel (Density $7.95 \pm 0.03 \text{ g/cm}^3$)
Cavity	Monoblock construction, No adjustable cavity
Surface	Highly polished mirror finish
Magnetic Properties	Maximum magnetic polarization, $\mu_0 M, (\mu\text{T}) < 80$
Contents of Weights	1-2-5-10-20-50-100-200-500 mg
Marking	No denomination marking on test weights
Standards	OIML R-111, 2004 (E)
Certificate	NABL accredited certificate - 1 year validity



Shape

Denomination

Pentagon	500 mg, 50 mg, 5 mg
Square	200 mg, 20 mg, 2 mg
Triangle	100 mg, 10 mg, 1 mg

Dimensions

Storage Case	Plastic storage case
Weight Box Size	40 x 40 x 55 mm (L x W x H)
Net Weight	upto 500 mg
Number of Package	1
Gross Weight	70 g
External Packing	Corrugated boxes



Tolerance and Uncertainties

Model	Capacity	Tolerance# (mg)	Uncertainty* (mg)
NC-001-F2-SS	1 mg	0.060	0.0010
NC-002-F2-SS	2 mg	0.060	0.0010
NC-005-F2-SS	5 mg	0.060	0.0010
NC-010-F2-SS	10 mg	0.080	0.0010
NC-020-F2-SS	20 mg	0.100	0.0010
NC-050-F2-SS	50 mg	0.120	0.0013
NC-100-F2-SS	100 mg	0.160	0.0016
NC-200-F2-SS	200 mg	0.200	0.0020
NC-500-F2-SS	500 mg	0.250	0.0026

Maximum Permissible Errors (MPE) as per OIML R-111

* Accredited CMC of Precimass LLP (CC-3213)

NSTAR Corp is offering assured 1/3rd uncertainty to the MPE for OIML F2 class weights.

India

NSTAR CORP
34, Pelican Estate,
Road No. 5, Kathwada GIDC,
Kathwada, Ahmedabad - 382430,
Gujarat

 www.calibrationweights.in

 +91 7567 222 900

 sales@calibrationweights.in