



NC-0.5K-5K-F1-SS

Calibration Weights Set - F1 class

Application

Weights intended for use in the verification or calibration of class F2 weights and for use with weighing instruments of special accuracy class I and high accuracy class II.

Appropriate for calibrating high-precision balances
(number of counts between 30001 to 100000, $n = \text{max capacity} / d$).

Calibration Weights Set

F1

Technical Specifications

Brand	NSTAR
Model	NC-0.5K-5K-F1-SS
Class	OIML F1
Material	Highgrade stainless steel (Density $7.95 \pm 0.03 \text{ g/cm}^3$)
Cavity	With adjustable cavity at bottom
Surface	Highly polished mirror finish, $[Rz < 2, Ra < 0.4 (\mu\text{m})]$
Magnetic Properties	Maximum magnetic polarization, $\mu_0 M, (\mu\text{T}) < 25$
Contents of Weights	500 g (1 pcs) 1-2-2*-5 kg (4 pcs)
Marking	Denomination marking on test weights Distinguish mark is available on second weight
Standards	OIML R-111, 2004 (E)
Certificate	NABL accredited certificate - 1 year validity



Shape

Cylindrical knob

Denomination

500 g to 5 kg

Dimensions

Storage Case	Alluminium storage case
Weight Box Size	27 x 27 x 20 cm (L x W x H)
Net Weight	12.1 kg
Number of Package	1
Gross Weight	15 kg
Package Data	30 x 30 x 30 cm (L x W x H)
External Packing	Corrugated boxes

* test weights and storage case are packed separately for logistics purpose.



* weight lifting accessories are optional.

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F1

Tolerance and Uncertainties

Denominations	Tolerance# (mg)	Uncertainty* (mg)
500 g	2.500	0.08
1000 g	5.000	0.16
2000 g	10.00	0.32
5000 g	25.00	0.82

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 F1 class weights set.

India

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