



NC-20K-F1-SS

Calibration Weight - 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 Weight

F1

Technical Specifications

Brand	NSTAR
Model	NC-20K-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 (μm)]
Magnetic Properties	Maximum magnetic polarization, $\mu_0 M$, (μT) < 25
Contents of Weights	20 kg
Marking	Denomination marking on test weights
Standards	OIML R-111, 2004 (E)
Certificate	NABL accredited certificate - 1 year validity



Shape

Cylindrical knob

Denomination

20 kg

Dimensions

Storage Case	Alluminium storage case
Weight Box Size	20 x 20 x 30 cm (L x W x H)
Net Weight	22.5 kg
Number of Package	1
Gross Weight	26 kg
Package Data	26 x 26 x 36 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.

Calibration Weight

F1

Tolerance and Uncertainties

Denominations	Tolerance# (mg)	Uncertainty* (mg)
20 kg	100	3.16

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.

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