



**NC-20K-F2-SS**

**Calibration Weight - 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,  $n = \text{max capacity} / d$ ).

# Calibration Weight

# F2

## Technical Specifications

Brand	NSTAR
Model	NC-20K-F2-SS
Class	OIML F2
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 < 5, Ra < 1 ( $\mu\text{m}$ )]
Magnetic Properties	Maximum magnetic polarization, $\mu_0 M$ , ( $\mu\text{T}$ ) < 80
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.

## Tolerance and Uncertainties

Denominations	Tolerance# (mg)	Uncertainty* (mg)
20 kg	300	3.16

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

\* Accredited CMC of Precimass LLP (CC-3213)

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

## India

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