

## OIML Weights - Basic Line F1AC, F2AC, M1AC



### Fulfill OIML R111

Traceable to the international kilogram prototype. Easy integration in quality assurance control systems.



### Complete range

Made of stainless steel. Production according to ISO 9001. Available from 1mg up to 20kg.



### Safe protection

All weights are delivered in a durable, shock-resistant box. FDA (Food & Drug Administration) conform.



### Environment friendly

Our weights are made of and filled with stainless steel. They contain no lead or other materials that could harm our environment.



### Ideal for routine tests

Weights to test balances between service intervals.



### OIML Weights "Basic Line" The right choice for your needs

The OIML Weights "Basic Line" are ideal for calibration or routine testing of balances in production and industrial environments. They are made of stainless steel with an Adjusting Cavity (AC) and fulfill the OIML R111 recommendation.

Delivered in a durable plastic box, these weights are well protected against shocks and dust. They are FDA-conform and can be cleaned with alcohol or petrol. With the OIML Weights "Basic Line", METTLER TOLEDO offers a comprehensive range of top-quality weights at a very competitive price.

#### Availability:

- 1g - 20kg knob weight
- 1mg - 500 mg sheet weight
- OIML Class F1AC, F2AC, M1AC

# OIML Weights - Basic Line

## F1AC

| Nominal Value | Order Number (*) |
|---------------|------------------|
| 1 g           | 11119455         |
| 2 g           | 11119456         |
| 5 g           | 11119457         |
| 10 g          | 11119458         |
| 20 g          | 11119459         |
| 50 g          | 11119460         |
| 100 g         | 11119461         |
| 200 g         | 11119462         |
| 500 g         | 11119463         |
| 1 kg          | 11119464         |
| 2 kg          | 11119465         |
| 5 kg          | 11119466         |
| 10 kg         | 11119467         |
| 20 kg         | 11119468         |
|               |                  |
| 1 mg          | 11119491         |
| 2 mg          | 11119492         |
| 5 mg          | 11119493         |
| 10 mg         | 11119494         |
| 20 mg         | 11119495         |
| 50 mg         | 11119496         |
| 100 mg        | 11119497         |
| 200 mg        | 11119498         |
| 500 mg        | 11119499         |

## F2AC

| Nominal Value | Order Number (*) |
|---------------|------------------|
| 1 g           | 11119042         |
| 2 g           | 11119043         |
| 5 g           | 11119044         |
| 10 g          | 11119045         |
| 20 g          | 11119046         |
| 50 g          | 11119047         |
| 100 g         | 11119048         |
| 200 g         | 11119049         |
| 500 g         | 11119050         |
| 1 kg          | 11119051         |
| 2 kg          | 11119052         |
| 5 kg          | 11119053         |
| 10 kg         | 11119054         |
| 20 kg         | 11119055         |
|               |                  |
| 1 mg          | 11119079         |
| 2 mg          | 11119080         |
| 5 mg          | 11119081         |
| 10 mg         | 11119082         |
| 20 mg         | 11119083         |
| 50 mg         | 11119084         |
| 100 mg        | 11119085         |
| 200 mg        | 11119086         |
| 500 mg        | 11119087         |

## M1AC

| Nominal Value | Order Number (*) |
|---------------|------------------|
| 1 g           | 11118055         |
| 2 g           | 11118056         |
| 5 g           | 11118057         |
| 10 g          | 11118058         |
| 20 g          | 11118059         |
| 50 g          | 11118060         |
| 100 g         | 11118061         |
| 200 g         | 11118062         |
| 500 g         | 11118063         |
| 1 kg          | 11118064         |
| 2 kg          | 11118065         |
| 5 kg          | 11118066         |
| 10 kg         | 11118067         |
| 20 kg         | 11118068         |
|               |                  |
| 1 mg          | 11117935         |
| 2 mg          | 11117936         |
| 5 mg          | 11117937         |
| 10 mg         | 11117938         |
| 20 mg         | 11117939         |
| 50 mg         | 11117940         |
| 100 mg        | 11117941         |
| 200 mg        | 11117942         |
| 500 mg        | 11117943         |

(\*) Shock-resistant plastic box included

## Properties

Stainless steel (knob weights & sheet weight)  
Density: 7.9 kg/dm<sup>3</sup>  
Non-magnetic

## Shape

1 g - 20 kg: knob weight



1 mg - 500 mg: sheet weight



## Decision guide for routine test → Which weights for which balances?

### F1AC

Balance resolution = <math>\leq 100000d</math> → F1AC  
e.g. PL602-S (max load 610g, resolution 0.01g)  
Maximum load / resolution = points → 61000d  
If application range is e.g. 200g → a 200g F1AC is recommended for daily routine test before measuring with the balance.



### M1AC

Balance resolution = <math>\leq 60000d</math> → M1AC  
e.g. BBA442-3SM (max load 2kg, resolution 1g)  
Maximum load / resolution = points → 2000d  
If application range is e.g. 1kg → a 1kg M1 is recommended for daily routine test before measuring with the balance.

