Measures You Can Trust

Catalog

Weights and Weight Sets
Calibrations of Weights, Weight Sets and Balances

Edition 2

CIBE
WEIGHTS AND MEASURES LABORATORY
A RICE LAKE WEIGHING SYSTEMS COMPANY


CIBE
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A RICE LAKE WEIGHING SYSTEMS COMPANY

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Company and Services

Since 1983, the CIBE metrology laboratory has specialised in offering **testing, calibration and certification services of masses, weights and weighing instruments**, and it's a benchmark of reference in technical and legal metrology in Europe.
CIBE is also certified in accordance with **UNI EN ISO 9001:2015** standard for trading masses and metrology consulting.

Calibration service

OF WEIGHTS, SCALES AND OTHER INSTRUMENTS

CIBE is ISO/IEC 17025:2017 accredited for the calibration and periodic verification of weights, non-automatic weighing instruments (scales), checkweighers and gravimetric filling machines.

Training activities

AND METROLOGICAL TOPIC DISSEMINATION

CIBE is the benchmark in Europe for ongoing metrology training activities. The company regularly organises courses and webinars, including customised programmes, on the most interesting and topical issues.
Go to our dedicated page to keep up to date with our activities calendar:

http://en.cibelab.it/static/webinar.aspx

Periodic verifications

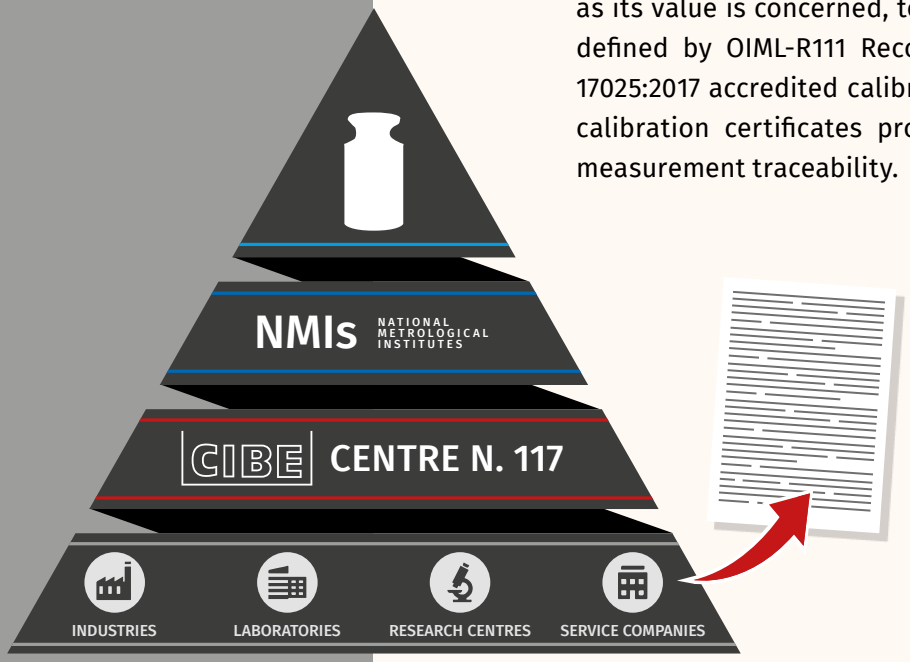
OF NAWI AND AWI INSTRUMENTS

CIBE provides a timely and efficient accredited periodic verification service for non-automatic weighing instruments (NAWI) and automatic weighing instruments (AWI).
Contact the laboratory to find out more.

CIBE
Headquarters
Legnano (Milan - Italy)

Metrological traceability

A measurement (e.g. the value of a mass) is "**traceable**" when the reference to national or internation standards can be demonstrated. Such reference is obtained by an unbroken chain of comparisons (the so-called chain of traceability). The reportable measure makes it possible, for example, to assess the belonging of a mass, as far as its value is concerned, to one of the accuracy classes defined by OIML-R111 Recommendation. As an ISO/IEC 17025:2017 accredited calibration laboratory, CIBE issues calibration certificates providing full assurance of all measurement traceability.



An international group

RICE LAKE WEIGHING SYSTEMS

Leading international group
in weighing and automated process control.

Rice Lake (WI), USA

CIBE
WEIGHTS AND MEASURES LABORATORY

A laboratory specialising in weight
and scale calibration services, periodic
verification of weighing instruments
and metrology training.

Legnano (MI), Italy

DINI ARGEO
Scales - Weighing systems

Company with over 100 years
experience in the weighing sector.
Wide range of solutions for industrial
environments, logistics and more.

Fiorano Modenese (MO), Italy

HELMAC
weighing food machines • retail data systems

Specialists in the production of bench
and hanging scales, automatic packaging machines
and much more, all for the retail sector.

Fiorano Modenese (MO), Italy

selene electronic engineering

Company specialising
in development and production
of electronic instruments.

Fornacette (PI), Italy

SERVISTAR ASSISTENZA E TARATURA BILANCE

Consultant and support provider
for professional weighing with multiple
installations worldwide.

Fiorano Modenese (MO), Italy

Metrology at a glance

EA

EUROPEAN CO-OPERATION FOR ACCREDITATION

EA is the European co-operation for Accreditation of national accreditation bodies organised to define and maintain an agreement on mutual recognition and equivalence of accreditations, test reports and calibration certificates issued by accredited metrology laboratories.

ILAC

INTERNATIONAL LABORATORY ACCREDITATION COOPERATION

ILAC is an international organisation that has enabled, facilitated and promoted international acceptance of test and calibration results performed by accredited laboratories.
ACCREDIA is the Italian accreditation body and a member of ILAC.
The calibration certificates issued by CIBE are accredited by ACCREDIA and **recognised internationally**, not only in Europe.

ISO/IEC 17025:2017

GENERAL REQUIREMENTS FOR THE COMPETENCE OF TESTING AND CALIBRATION LABORATORIES

The international standard ISO/IEC 17025:2017 establishes the general requirements of competence, impartiality and regular and consistent operation for calibration laboratories.
CIBE is accredited by ACCREDIA, as a calibration laboratory, in accordance with ISO/IEC 17025:2017.

Measurement uncertainty

The concept of measurement uncertainty is useful for correctly interpreting measurement data. In practice, it is never possible to determine the real value of a magnitude to be measured (e.g. a mass) and only an approximate value can be achieved. This is generally because the instruments and the measurement method are extremely accurate but inherently not “perfect”. The concept of measurement uncertainty indicates how close the result of a measurement is to the true value. A lower measurement uncertainty means a lower potential deviation of the measured value from the true value of the magnitude.

CIBE calibrates masses, scales and other weighing instruments always firmly committed to ensuring the highest international standards.
Visit ***en.cibelab.it*** website for more details and consult our accreditation table that shows the best uncertainty values that CIBE can offer.

Weight classification

M2	M1	F2	F1	E2	E1
< 5.000	< 10.000	< 30.000	< 100.000	< 300.000	> 300.000
For checking scales up to 5.000 divisions (III)	For checking scales up to 10.000 divisions (III)	For checking scales up to 30.000 divisions (II)	For checking scales up to 100.000 divisions (II)	For checking scales up to 300.000 divisions (I)	For checking special scales over 300.000 divisions (I)

OIML-R111 Recommendation

The International Legal Metrology Organisation has defined the division of weights into accuracy classes that also take into account the maximum permissible error with respect to the nominal value of the weight. Having weights whose error is less than or equal to 1/3 of the MPE of the instrument under test is necessary when fine-tuning and verifying the calibration of a weighing instrument.
In simplified terms, the weight class can be chosen according to the scheme outlined above.

EA member accreditation bodies

AUSTRIA **AAA**	*SWITZERLAND* **SAS**	*TURKEY* **TURKAK**	*UNITED KINGDOM* **UKAS**	*SLOVAKIA* **SNAS**	*LATVIA* **LATAK**	*FRANCE* **COFRAC**	*FINLAND* **FINAS**	*ALBANIA* **DPA**
SWEDEN **SWEDAC**	*BELGIUM* **BELAC**	*NETHERLANDS* **RVA**	*MALTA* **NAB**	*PORTUGAL* **IPAC**	*LITHUANIA* **LA**	*ESTONIA* **EAK**	*DENMARK* **DANAK**	*MONTENEGRO* **ACTG**
SPAIN **ENAC**	*IRELAND* **INAB**	*ICELAND* **ISAC**	*HUNGARY* **NAH**	*POLAND* **PCA**	*LUXEMBOURG* **OLAS**	*CZECH REPUBLIC* **CAI**	*CYPRUS* **CYS**	*ROMANIA* **RENAR**
SLOVENIA **SA**	*ITALY* **ACCREDIA**	*GREECE* **ESYD**	*GERMANY* **DAKKS**	*NORWAY* **NA**	*MACEDONIA* **IARNM**	*CROATIA* **HAA**	*BULGARIA* **BAS**	*SERBIA* **ATS**

Maximum permissible error from the nominal weight value for each OIML class

TABLE OF REFERENCE VALUES

Nominal value	E1 ± mg	E2 ± mg	F1 ± mg	F2 ± mg	M1 ± mg	M1-2 ± mg	M2 ± mg	M2-3 ± mg	M3 ± mg
1 mg	0,003	0,006	0,020	0,06	0,20				
2 mg	0,003	0,006	0,020	0,06	0,20				
5 mg	0,003	0,006	0,020	0,06	0,20				
10 mg	0,003	0,008	0,025	0,08	0,25				
20 mg	0,003	0,010	0,03	0,10	0,3				
50 mg	0,004	0,012	0,04	0,12	0,4				
100 mg	0,005	0,016	0,05	0,16	0,5		1,6		
200 mg	0,006	0,020	0,06	0,20	0,6		2,0		
500 mg	0,008	0,025	0,08	0,25	0,8		2,5		
1 g	0,010	0,03	0,10	0,3	1,0		3,0		10
2 g	0,012	0,04	0,12	0,4	1,2		4,0		12
5 g	0,016	0,05	0,16	0,5	1,6		5,0		16
10 g	0,020	0,06	0,20	0,6	2,0		6,0		20
20 g	0,025	0,08	0,25	0,8	2,5		8,0		25
50 g	0,03	0,10	0,3	1,0	3,0		10		30
100 g	0,05	0,16	0,5	1,6	5,0		16		50
200 g	0,10	0,3	1,0	3,0	10		30		100
500 g	0,25	0,8	2,5	8,0	25		80		250
1 kg	0,5	1,6	5,0	16	50		160		500
2 kg	1,0	3,0	10	30	100		300		1.000
5 kg	2,5	8,0	25	80	250		800		2.500
10 kg	5,0	16	50	160	500		1.600		5.000
20 kg	10	30	100	300	1.000		3.000		10.000
50 kg	25	80	250	800	2.500	5.000	8.000	16.000	25.000
100 kg		160	500	1.600	5.000	10.000	16.000	30.000	50.000
200 kg		300	1.000	3.000	10.000	20.000	30.000	60.000	100.000
500 kg		800	2.500	8.000	25.000	50.000	80.000	160.000	250.000
1.000 kg		1.600	5.000	16.000	50.000	100.000	160.000	300.000	500.000
2.000 kg			10.000	30.000	100.000	200.000	300.000	600.000	1.000.000
5.000 kg			25.000	80.000	250.000	500.000	800.000	1.600.000	2.500.000

Classification of scales

According to OIML documents R 76-1 and EN 45501, scales for legal metric use are divided into the following accuracy classes:

I
SPECIAL

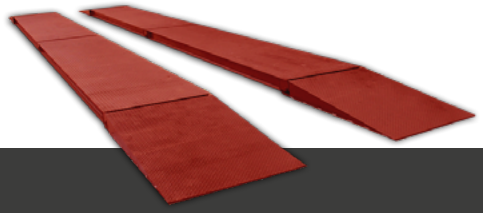
Analytical and technical balances

II
HIGH

Technical balances

III
MEDIUM

Industrial scales and scales for commercial use



IIII
ORDINARY

Industrial scales, scales for special applications

Accuracy class of scales

ACCURACY CLASS	DIVISION e	MINIMUM NUMBER OF DIVISIONS n_{Min}	MAXIMUM NUMBER OF DIVISIONS n_{Max}	MINIMUM CAPACITY Min
I special	0,001 g < e	50.000	--	100e
II high	0,001 g < e < 0,05 g	100	100.000	20e
	0,1 g < e	5.000	100.000	50e
III medium	0,1 g < e < 2 g	100	10.000	20e
	5 g < e	500	10.000	20e
IIII ordinary	5 g < e	100	1.000	10e

Descriptive classification of scales

Depending on their division, the scales can be subdivided as follows:

DESCRIPTIVE CLASSIFICATION	Division value d	OIML relevant class
Industrial and ordinary scales	≥ 1 g	III, IIII
Technical scales	$10^{-1} \div 10^{-3}$ g	I, II
Analytical balances	≤ 10^{-4} g	I
• Semi-micro balances	10^{-5} g	
• Micro balances	10^{-6} g	
• Ultra-micro balances	10^{-7} g	

Weighing ranges of scales

Furthermore, scales differ in their weighing range. Scales can therefore be:

SINGLE RANGE SCALE

Instrument with weighing range from zero to the maximum capacity (Max).

MULTI-RANGE SCALES

Instruments with two or more weighing ranges that have different maximum capacity (Max) and division (d) for each field. Each weighing range starts from zero up to its Max. It is permissible to automatically switch to the upper weighing range, but to return to the lower weighing range, it is necessary to switch from zero by unloading the scale. On some instruments the range is selectable by pressing a special key or activating a special menu.

MULTI-DIVISION SCALES

Instruments with a single weighing range divided into partial ranges, each with a different division. The partial weighing range and its division are determined automatically by the instrument, without the need for zero crossing, according to the applied load.

Calibration

SERVICES

WEIGHT SETS

SINGLE WEIGHTS

SINGLE RANGE SCALES

MULTI-RANGE SCALES

Calibration of Weight Sets

ACCREDIA calibration service for weight sets with the issue of a calibration certificate. Calibration makes it possible to assess the compliance of weights with the requirements for their use and to make more precise and reliable measurements.
Service available for M1, F2, F1 and E2 class weights.

ACCURACY CLASS	WEIGHT SET	CODE
M1	1 mg - 500 mg	CWSM1M05
	1 mg - 50 g	CWSM1M50
	1 mg - 100 g	CWSM1M100
	1 mg - 200 g	CWSM1M200
	1 mg - 500 g	CWSM1M500
	1 mg - 1 kg	CWSM1MK1
	1 mg - 2 kg	CWSM1MK2
	1 mg - 5 kg	CWSM1MK5
	1 mg - 10 kg	CWSM1MK10
	1 g - 50 g	CWSM150
	1 g - 100 g	CWSM1100
	1 g - 200 g	CWSM1200
	1 g - 500 g	CWSM1500
	1 g - 1 kg	CWSM1K1
	1 g - 2 kg	CWSM1K2
	1 g - 5 kg	CWSM1K5
	1 g - 10 kg	CWSM1K10
F2	1 mg - 500 mg	CWSF2M05
	1 mg - 50 g	CWSF2M50
	1 mg - 100 g	CWSF2M100
	1 mg - 200 g	CWSF2M200
	1 mg - 500 g	CWSF2M500
	1 mg - 1 kg	CWSF2MK1
	1 mg - 2 kg	CWSF2MK2
	1 mg - 5 kg	CWSF2MK5
	1 mg - 10 kg	CWSF2MK10
	1 g - 50 g	CWSF250
	1 g - 100 g	CWSF2100
	1 g - 200 g	CWSF2200
	1 g - 500 g	CWSF2500
	1 g - 1 kg	CWSF2K1
	1 g - 2 kg	CWSF2K2
	1 g - 5 kg	CWSF2K5
	1 g - 10 kg	CWSF2K10

ACCURACY CLASS	WEIGHT SET	CODE
F1	1 mg - 500 mg	CWSF1M05
	1 mg - 50 g	CWSF1M50
	1 mg - 100 g	CWSF1M100
	1 mg - 200 g	CWSF1M200
	1 mg - 500 g	CWSF1M500
	1 mg - 1 kg	CWSF1MK1
	1 mg - 2 kg	CWSF1MK2
	1 mg - 5 kg	CWSF1MK5
	1 mg - 10 kg	CWSF1MK10
	1 g - 50 g	CWSF150
	1 g - 100 g	CWSF1100
	1 g - 200 g	CWSF1200
	1 g - 500 g	CWSF1500
	1 g - 1 kg	CWSF1K1
	1 g - 2 kg	CWSF1K2
	1 g - 5 kg	CWSF1K5
	1 g - 10 kg	CWSF1K10
E2	1 mg - 500 mg	CWSE2M05
	1 mg - 50 g	CWSE2M50
	1 mg - 100 g	CWSE2M100
	1 mg - 200 g	CWSE2M200
	1 mg - 500 g	CWSE2M500
	1 mg - 1 kg	CWSE2MK1
	1 mg - 2 kg	CWSE2MK2
	1 mg - 5 kg	CWSE2MK5
	1 mg - 10 kg	CWSE2MK10
	1 g - 50 g	CWSE250
	1 g - 100 g	CWSE2100
	1 g - 200 g	CWSE2200
	1 g - 500 g	CWSE2500
	1g - 1 kg	CWSE2K1
	1 g - 2 kg	CWSE2K2
	1 g - 5 kg	CWSE2K5
	1 g - 10 kg	CWSE2K10

Calibration of Single Weights

ACCREDIA calibration service for masses and weights with the issue of a calibration certificate. Calibration makes it possible to assess the compliance of weights with the requirements for their use and to make more precise and reliable measurements.
Service available for weights in class M1, F2, F1, E2 and E1.

ACCURACY CLASS	WEIGHT	CODE
M1	1 mg - 1 kg	CM1K1
	2 kg - 5 kg	CM1K5
	10 kg	CM1K10
	20 kg	CM1K20
	50 kg	CM1K50
	100 kg	CM1K100
	200 kg	CM1K200
	500 kg	CM1K500
	1.000 kg	CM1K1000
	2.000 kg	CM1K2000
F2	1 mg - 50 g	CF250
	100 g - 1 kg	CF2K1
	2 kg - 10 kg	CF2K10
	20 kg	CF2K20
	50 kg	CF2K50
F1	1 mg - 50 g	CF150
	100 g - 1 kg	CF1K1
	2 kg - 10 kg	CF1K10
	20 kg	CF1K20
	50 kg	CF1K50
E2	1 mg - 50 g	CE250
	100 g - 1 kg	CE2K1
	2 kg - 10 kg	CE2K10
E1*	1 mg - 500 mg	CE11
	1 g - 1 kg	CE1K1
	2 kg - 10 kg	CE1K10
	1 g - 1 kg	CE1K1D
	2 kg - 10 kg	CE1K10D

(*) Calibration of class E1 weights with a value of 1 g or more.
Volume determination is a necessary step for the first calibration of class E1 masses from 1 g up.
Masses with a nominal value greater than or equal to 1 g will be calibrated by another EA-accredited laboratory.

Calibration of SINGLE RANGE Scales

ACCREDIA calibration service for single-range scales with capacities up to 20.000 kg.
Calibration makes it possible to assess the compliance of scales with the requirements for their use and to more reliable measurements. The service includes load offset tests, full scale repeatability tests and full scale repeatability and the linearity test on 5 or 10 loads. For convenience, the classification of scales used in legal metrology is followed, which divides scales into accuracy classes I, II, III, IIII.
This classification depends on the number of divisions of the scale being calibrated. The number of divisions (n) of the balance is obtained by calculating the ratio between the maximum capacity (Max) of the instrument and the value of its division (d) => n=Max/d

LINEARITY	ACCURACY CLASS	CAPACITY	CODE
5 measuring points	I	< 5 kg	CB1
	I	> 5 kg	CB2
	II-III-IIII	< 5 kg	CB3
	II-III-IIII	< 30 kg	CB4
	II-III-IIII	< 300 kg	CB5
	II-III-IIII	< 20.000 kg	CB6
10 measuring points	I	< 5 kg	CC1
	I	> 5 kg	CC2
	II-III-IIII	< 5 kg	CC3
	II-III-IIII	< 30 kg	CC4
	II-III-IIII	< 300 kg	CC5
	II-III-IIII	< 20.000 kg	CC6

- *The above prices do not include transfer charges that are quoted upon estimate.*
- *For each calibration will be issued an ACCREDIA Certificate.*
- *Any inspection prior to the calibration is quoted.*
- *If the number of scales is higher than 4, a quantity discount will be given in agreement with the laboratory.*
- *Calibration does not entail repairing or setting up the instruments to be calibrated.*
- *Every possible repetition of the linearity test following an adjustment of the scale, involves the additional cost of Euro 50,00. In the event of a range adjustment, the calibration certificate will show the measurements taken before the adjustment ("As found") and after it ("As left").*

Calibration of
MULTI-RANGE and MULTI-DIVISION
Scales

ACCREDIA calibration service for multi-range scales with capacities up to 20.000 kg.
Calibration makes it possible to assess the compliance of scales with the requirements for their use and to more reliable measurements. The service includes tests of load offset, full scale repeatability and full scale repeatability and the linearity test on 5 or 10 loads. For convenience, the classification of scales used in legal metrology is followed, which divides scales into accuracy classes I, II, III, IIII.
This classification depends on the number of divisions of the balance being calibrated. The number of divisions (n) of the balance is obtained by calculating the ratio between the maximum capacity (Max) of the instrument and the value of its division (d) => n=Max/d

LINEARITY	ACCURACY CLASS	CAPACITY	CODE
5 measuring points	I	< 5 kg	CB12
	I	> 5 kg	CB22
	II-III-IIII	< 5 kg	CB32
	II-III-IIII	< 30 kg	CB42
	II-III-IIII	< 300 kg	CB52
	II-III-IIII	< 20.000 kg	CB62
	I	< 5 kg	CB13
	I	> 5 kg	CB23
	II-III-IIII	< 5 kg	CB33
	II-III-IIII	< 30 kg	CB43
	II-III-IIII	< 300 kg	CB53
	II-III-IIII	< 20.000 kg	CB63
10 measuring points	I	< 5 kg	CC12
	I	> 5 kg	CC22
	II-III-IIII	< 5 kg	CC32
	II-III-IIII	< 30 kg	CC42
	II-III-IIII	< 300 kg	CC52
	II-III-IIII	< 20.000 kg	CC62
	I	< 5 kg	CC13
	I	> 5 kg	CC23
	II-III-IIII	< 5 kg	CC33
	II-III-IIII	< 30 kg	CC43
	II-III-IIII	< 300 kg	CC53
	II-III-IIII	< 20.000 kg	CC63

• The above prices do not include transfer charges that are quoted upon estimate.
• For each calibration will be issued an ACCREDIA Certificate.
• Any inspection prior to the calibration is quoted.
• If the number of scales is higher than 4, a quantity discount will be given in agreement with the laboratory.
• Calibration does not entail repairing or setting up the instruments to be calibrated.
• Every possible repetition of the linearity test following an adjustment of the scale, involves the additional cost of Euro 50,00. In the event of a range adjustment, the calibration certificate will show the measurements taken before the adjustment ("As found") and after it ("As left").

Products

WEIGHT SET WITH ALUMINIUM CASE

WEIGHT SET WITH WOODEN CASE

SINGLE WEIGHTS

WEIGHT SET WITH ALUMINIUM CASE

M1 STAINLESS STEEL WEIGHTS

Weight set with aluminium case, complete with stainless steel weights in M1 class according to OIML-R111 Recommendation and suitable for legal metrology applications and in the industrial sector.
The M1 accuracy class means these weights can be used for checking and calibrating scales and measuring instruments in class III, up to 10.000e. Ideal for ISO quality weighing instrument verification.

ALUMINIUM

M1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	M1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10
CASE	Material	Aluminium
	Accessories	Glove, tongs and/or brush for optimal use and cleaning of the mass

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

NO. OF PIECES	TOT. WEIGHT (kg)	CONTENTS - WEIGHTS AND ACCESSORIES		CODE	ADDITIONAL SERVICES ⊕	
					ACCREDIA CALIBRATION	OTHER
					CODE	
12	1,11	mg	1 2 2 5 10 20 20 50 100 200 200 500	WSAM1M05AL	CWSM1M05	✓ 48 HOURS
20	111,11	mg g	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2 5 10 20 20 50	WSAM1M50AL	CWSM1M50	✓ 48 HOURS
21	211,11	mg g	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2 5 10 20 20 50 100	WSAM1M100AL	CWSM1M100	✓ 48 HOURS
23	611,11	mg g	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2 5 10 20 20 50 100 200 200	WSAM1M200AL	CWSM1M200	✓ 48 HOURS
24	1.111,11	mg g	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2 5 10 20 20 50 100 200 200 500	WSAM1M500AL	CWSM1M500	✓ 48 HOURS
25	2.111,11	mg g kg	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2 5 10 20 20 50 100 200 200 500 1	WSAM1MK1AL	CWSM1MK1	✓ 48 HOURS
27	6.111,11	mg g kg	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2 5 10 20 20 50 100 200 200 500 1 2 2	WSAM1MK2AL	CWSM1MK2	✓ 48 HOURS
8	110	g	1 2 2 5 10 20 20 50	WSAM150AL	CWSM150	✓ 48 HOURS
9	210	g	1 2 2 5 10 20 20 50 100	WSAM1100AL	CWSM1100	✓ 48 HOURS
11	610	g	1 2 2 5 10 20 20 50 100 200 200	WSAM1200AL	CWSM1200	✓ 48 HOURS
12	1.100	g	1 2 2 5 10 20 20 50 100 200 200 500	WSAM1500AL	CWSM1500	✓ 48 HOURS
13	2.100	g kg	1 2 2 5 10 20 20 50 100 200 200 500 1	WSAM1K1AL	CWSM1K1	✓ 48 HOURS
15	6.110	g kg	1 2 2 5 10 20 20 50 100 200 200 500 1 2 2	WSAM1K2AL	CWSM1K2	✓ 48 HOURS

WEIGHT SET WITH WOODEN CASE

M1 STAINLESS STEEL WEIGHTS

Weight set with wooden case, complete with stainless steel weights, conforming to OIML-R111 Recommendation in M1 class, suitable for legal metrology and industrial applications.
The M1 accuracy class means these weights can be used for checking and calibrating scales and measuring instruments in class III, up to 10.000e. Ideal for ISO quality weighing instrument verification.

WOOD

M1 ACCURACY CLASS

CALIBRATION CERTIFICATE (EA)

STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	M1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10
CASE	Material	Wood with velvet lining
	Accessories	Glove, tongs and/or brush for optimal use and cleaning of the mass

STAINLESS STEEL

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

NO. OF PIECES	TOT. WEIGHT (kg)	CONTENTS - WEIGHTS AND ACCESSORIES	CODE	ADDITIONAL SERVICES ⊕ ACCREDIA CALIBRATION CODE	ADDITIONAL SERVICES ⊕ OTHER
12	1,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500	WSAM1M05	CWSM1M05	✓ 48 HOURS
20	111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50	WSAM1M50	CWSM1M50	✓ 48 HOURS
21	211,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100	WSAM1M100	CWSM1M100	✓ 48 HOURS
23	611,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200	WSAM1M200	CWSM1M200	✓ 48 HOURS
24	1.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500	WSAM1M500	CWSM1M500	✓ 48 HOURS
25	2.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSAM1MK1	CWSM1MK1	✓ 48 HOURS
27	6.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSAM1MK2	CWSM1MK2	✓ 48 HOURS
28	11.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5	WSAM1MK5	CWSM1MK5	✓ 48 HOURS
29	21.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5 10	WSAM1MK10	CWSM1M10	✓ 48 HOURS
8	110	g: 1 2 2 5 10 20 20 50	WSAM150	CWSM150	✓ 48 HOURS
9	210	g: 1 2 2 5 10 20 20 50 100	WSAM1100	CWSM1100	✓ 48 HOURS
11	610	g: 1 2 2 5 10 20 20 50 100 200 200	WSAM1200	CWSM1200	✓ 48 HOURS
12	1.100	g: 1 2 2 5 10 20 20 50 100 200 200 500	WSAM1500	CWSM1500	✓ 48 HOURS
13	2.100	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSAM1K1	CWSM1K1	✓ 48 HOURS
15	6.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSAM1K2	CWSM1K2	✓ 48 HOURS
16	11.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5	WSAM1K5	CWSM1K5	✓ 48 HOURS
17	21.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5 10	WSAM1K10	CWSM1K10	✓ 48 HOURS

Images are included for illustrative purposes. The information in this document is subject to change without notice.
*Go to **en.cibelab.it** for the latest prices.*

WEIGHT SET WITH ALUMINIUM CASE

F1 STAINLESS STEEL WEIGHTS

Weight set with aluminium case, complete with stainless steel weights, conforming to OIML-R111 Recommendation in class F1, suitable for legal metrology, industrial and research applications.
The F1 accuracy class means these weights can be used for checking and calibrating scales and instruments in class II, up to 100.000e. Ideal for ISO quality weighing instrument verification.

ALUMINIUM | F1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	F1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10
CASE	Material	Aluminium
	Accessories	Glove, tongs and/or brush for optimal use and cleaning of the mass

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

NO. OF PIECES	TOT. WEIGHT (kg)	CONTENTS - WEIGHTS AND ACCESSORIES	CODE	ADDITIONAL SERVICES ⊕ ACCREDIA CALIBRATION CODE	ADDITIONAL SERVICES ⊕ OTHER
12	1,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500	WSAF1M05AL	CWSF1M05	✓ 48 HOURS
20	111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50	WSAF1M50AL	CWSF1M50	✓ 48 HOURS
21	211,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100	WSAF1M100AL	CWSF1M100	✓ 48 HOURS
23	611,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200	WSAF1M200AL	CWSF1M200	✓ 48 HOURS
24	1.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500	WSAF1M500AL	CWSF1M500	✓ 48 HOURS
25	2.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSAF1MK1AL	CWSF1MK1	✓ 48 HOURS
27	6.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSAF1MK2AL	CWSF1MK2	✓ 48 HOURS
8	110	g: 1 2 2 5 10 20 20 50	WSAF150AL	CWSF150	✓ 48 HOURS
9	210	g: 1 2 2 5 10 20 20 50 100	WSAF1100AL	CWSF1100	✓ 48 HOURS
11	610	g: 1 2 2 5 10 20 20 50 100 200 200	WSAF1200AL	CWSF1200	✓ 48 HOURS
12	1.100	g: 1 2 2 5 10 20 20 50 100 200 200 500	WSAF1500AL	CWSF1500	✓ 48 HOURS
13	2.100	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSAF1K1AL	CWSF1K1	✓ 48 HOURS
15	6.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSAF1K2AL	CWSF1K2	✓ 48 HOURS

WEIGHT SET WITH WOODEN CASE

F1 STAINLESS STEEL WEIGHTS

Weight set with wooden case, complete with stainless steel weights, conforming to OIML-R111 Recommendation in class F1, suitable for legal metrology, industrial and research applications.
The F1 accuracy class means these weights can be used for checking and calibrating scales and instruments in class II, up to 100.000e. Ideal for ISO quality weighing instrument verification.

WOOD

F1 ACCURACY CLASS

CALIBRATION CERTIFICATE (EA)

STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	F1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10
CASE	Material	Wood with velvet lining
	Accessories	Glove, tongs and/or brush for optimal use and cleaning of the mass

STAINLESS STEEL

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

NO. OF PIECES	TOT. WEIGHT (kg)	CONTENTS - WEIGHTS AND ACCESSORIES	CODE	ADDITIONAL SERVICES ⊕ ACCREDIA CALIBRATION CODE	ADDITIONAL SERVICES ⊕ OTHER
12	1,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500	WSAF1M05	CWSF1M05	✓ 48 HOURS
20	111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50	WSAF1M50	CWSF1M50	✓ 48 HOURS
21	211,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100	WSAF1M100	CWSF1M100	✓ 48 HOURS
23	611,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200	WSAF1M200	CWSF1M200	✓ 48 HOURS
24	1.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500	WSAF1M500	CWSF1M500	✓ 48 HOURS
25	2.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSAF1MK1	CWSF1MK1	✓ 48 HOURS
27	6.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSAF1MK2	CWSF1MK2	✓ 48 HOURS
28	11.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5	WSAF1MK5	CWSF1MK5	✓ 48 HOURS
29	21.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5 10	WSAF1MK10	CWSF1MK10	✓ 48 HOURS
8	110	g: 1 2 2 5 10 20 20 50	WSAF150	CWSF150	✓ 48 HOURS
9	210	g: 1 2 2 5 10 20 20 50 100	WSAF1100	CWSF1100	✓ 48 HOURS
11	610	g: 1 2 2 5 10 20 20 50 100 200 200	WSAF1200	CWSF1200	✓ 48 HOURS
12	1.100	g: 1 2 2 5 10 20 20 50 100 200 200 500	WSAF1500	CWSF1500	✓ 48 HOURS
13	2.100	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSAF1K1	CWSF1K1	✓ 48 HOURS
15	6.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSAF1K2	CWSF1K2	✓ 48 HOURS
16	11.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5	WSAF1K5	CWSF1K5	✓ 48 HOURS
17	21.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5 10	WSAF1K10	CWSF1K10	✓ 48 HOURS

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WEIGHT SET WITH ALUMINIUM CASE

E2 STAINLESS STEEL WEIGHTS

Weight set with aluminium case, complete with stainless steel weights, conforming to OIML-R111 Recommendation in class E2, suitable for legal metrology, industrial and research applications.
The E2 accuracy class means these weights can be used for checking and calibrating scales and instruments in class I, up to 300.000e. Ideal for ISO quality weighing instrument verification.

ALUMINIUM | E2 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	E2
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10
CASE	Material	Aluminium
	Accessories	Glove, tongs and/or brush for optimal use and cleaning of the mass

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

NO. OF PIECES	TOT. WEIGHT (kg)	CONTENTS - WEIGHTS AND ACCESSORIES	CODE	ADDITIONAL SERVICES ⊕ ACCREDIA CALIBRATION CODE	ADDITIONAL SERVICES ⊕ OTHER
12	1,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500	WSE2M05AL	CWSE2M05	✓ 48 HOURS
20	111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50	WSE2M50AL	CWSE2M50	✓ 48 HOURS
21	211,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100	WSE2M100AL	CWSE2M100	✓ 48 HOURS
23	611,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200	WSE2M200AL	CWSE2M200	✓ 48 HOURS
24	1.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500	WSE2M500AL	CWSE2M500	✓ 48 HOURS
25	2.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSE2MK1AL	CWSE2MK1	✓ 48 HOURS
27	6.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSE2MK2AL	CWSE2MK2	✓ 48 HOURS
8	110	g: 1 2 2 5 10 20 20 50	WSE250AL	CWSE250	✓ 48 HOURS
9	210	g: 1 2 2 5 10 20 20 50 100	WSE2100AL	CWSE2100	✓ 48 HOURS
11	610	g: 1 2 2 5 10 20 20 50 100 200 200	WSE2200AL	CWSE2200	✓ 48 HOURS
12	1.100	g: 1 2 2 5 10 20 20 50 100 200 200 500	WSE2500AL	CWSE2500	✓ 48 HOURS
13	2.100	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSE2K1AL	CWSE2K1	✓ 48 HOURS
15	6.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSE2K2AL	CWSE2K2	✓ 48 HOURS

Images are included for illustrative purposes. The information in this document is subject to change without notice.
*Go to **en.cibelab.it** for the latest prices.*

WEIGHT SET WITH WOODEN CASE

E2 STAINLESS STEEL WEIGHTS

Weight set with wooden case, complete with stainless steel weights, conforming to OIML-R111 Recommendation in class E2, suitable for legal metrology, industrial and research applications.
The E2 accuracy class means these weights can be used for checking and calibrating scales and instruments in class I, up to 300.000e. Ideal for ISO quality weighing instrument verification.

WOOD | E2 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	E2
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10
CASE	Material	Wood with velvet lining
	Accessories	Glove, tongs and/or brush for optimal use and cleaning of the mass

STAINLESS STEEL

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

NO. OF PIECES	TOT. WEIGHT (kg)	CONTENTS - WEIGHTS AND ACCESSORIES	CODE	ADDITIONAL SERVICES ⊕ ACCREDIA CALIBRATION CODE	ADDITIONAL SERVICES ⊕ OTHER
12	1,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500	WSE2M05	CWSE2M05	✓ 48 HOURS
20	111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50	WSE2M50	CWSE2M50	✓ 48 HOURS
21	211,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100	WSE2M100	CWSE2M100	✓ 48 HOURS
23	611,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200	WSE2M200	CWSE2M200	✓ 48 HOURS
24	1.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500	WSE2M500	CWSE2M500	✓ 48 HOURS
25	2.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSE2MK1	CWSE2MK1	✓ 48 HOURS
27	6.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSE2MK2	CWSE2MK2	✓ 48 HOURS
28	11.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5	WSE2MK5	CWSE2MK5	✓ 48 HOURS
29	21.111,11	mg: 1 2 2 5 10 20 20 50 100 200 200 500 g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5 10	WSE2MK10	CWSE2MK10	✓ 48 HOURS
8	110	g: 1 2 2 5 10 20 20 50	WSE250	CWSE250	✓ 48 HOURS
9	210	g: 1 2 2 5 10 20 20 50 100	WSE2100	CWSE2100	✓ 48 HOURS
11	610	g: 1 2 2 5 10 20 20 50 100 200 200	WSE2200	CWSE2200	✓ 48 HOURS
12	1.100	g: 1 2 2 5 10 20 20 50 100 200 200 500	WSE2500	CWSE2500	✓ 48 HOURS
13	2.100	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1	WSE2K1	CWSE2K1	✓ 48 HOURS
15	6.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2	WSE2K2	CWSE2K2	✓ 48 HOURS
16	11.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5	WSE2K5	CWSE2K5	✓ 48 HOURS
17	21.110	g: 1 2 2 5 10 20 20 50 100 200 200 500 kg: 1 2 2 5 10	WSE2K10	CWSE2K10	✓ 48 HOURS

SINGLE WEIGHTS

M1 STAINLESS STEEL

Stainless steel weights, conforming to OIML-R111 Recommendation in M1 class, suitable for legal metrology and industrial applications.
The M1 accuracy class means these weights can be used for checking and calibrating scales and instruments in class III, up to 10.000e. Ideal for ISO quality weighing instrument verification.

M1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	M1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) Net price per certificate.
(**) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

				ADDITIONAL SERVICES ⊕	
				ACCREDIA CALIBRATION	OTHER
WEIGHT	**SHAPE**	**DIMENSIONS Ø x h** (mm)	**CODE**	**CODE**	
1 mg	▼		WAM1M1	CM1K1	✓
2 mg	■		WAM1M2	CM1K1	✓
5 mg	⬟		WAM1M5	CM1K1	✓
10 mg	▼		WAM1M10	CM1K1	✓
20 mg	■		WAM1M20	CM1K1	✓
50 mg	⬟		WAM1M50	CM1K1	✓
100 mg	▼		WAM1M100	CM1K1	✓
200 mg	■		WAM1M200	CM1K1	✓
500 mg	⬟		WAM1M500	CM1K1	✓
1 g		6 x 6	WAM11	CM1K1	✓
2 g		6 x 10	WAM12	CM1K1	✓
5 g		8 x 15	WAM15	CM1K1	✓
10 g		10 x 19	WAM110	CM1K1	✓
20 g		13 x 21	WAM120	CM1K1	✓
50 g		18 x 29	WAM150	CM1K1	✓
100 g		22 x 38	WAM1100	CM1K1	✓
200 g		28 x 50	WAM1200	CM1K1	✓
500 g		38 x 66	WAM1500	CM1K1	✓
1 kg		48 x 82	WAM1K1	CM1K1	✓
2 kg		60 x 105	WAM1K2	CM1K5	✓
5 kg		80 x 144	WAM1K5	CM1K5	✓
10 kg		100 x 184	WAM1K10	CM1K10	✓
20 kg		128 x 224	WAM1K20	CM1K20	✓

Images are included for illustrative purposes. The information in this document is subject to change without notice.
*Go to **en.cibelab.it** for the latest prices.*

ACCESSORIES: CASES FOR SINGLE WEIGHT (WEIGHT EXCLUDED)

	MATERIAL	WEIGHT	CODE
	Plastic round	1 mg - 100 g	BM45100
	Plastic round	200 g	BM45200
	Plastic round	500 g	BM45500
	Plastic round	1 kg	BM65K1
	Plastic round	2 kg	BM65K2
	Plastic round	5 kg	BM65K5
	Plastic round	10 kg	BM65K10
	Aluminium	5 kg	BAK5
	Aluminium	10 kg	BAK10
	Aluminium	20 kg	BAK20
	Wood, velvet interior	1 mg - 500 m	BW05
	Wood, velvet interior	1 g	B9501LE
	Wood, velvet interior	2 g	B9502LE
	Wood, velvet interior	5 g	B9503LE
	Wood, velvet interior	10 g	B9504LE
	Wood, velvet interior	20 g	B9505LE
	Wood, velvet interior	50 g	B9506LE
	Wood, velvet interior	100 g	B9507LE
	Wood, velvet interior	200 g	B9508LE
	Wood, velvet interior	500 g	B9509LE
	Wood, velvet interior	1 kg	B9510LE
	Wood, velvet interior	2 kg	B9511LE
	Wood, velvet interior	5 kg	B9512LE
	Wood, velvet interior	10 kg	B9513LE
	Wood, velvet interior	20 kg	B9514LE

OTHER ACCESSORIES

	DESCRIPTION	CODE
	Cotton glove	GNT
	Brush length 100 mm Ø 10 mm	PNL10X100
	Weight tongs length 105 mm	PNZ105
	Weight tongs length 130 mm	PNZ130
	Weight tongs length 230 mm	PNZ230
	Handle for 5 kg cylindrical mass	FRK5 kg
	Handle for 10 kg cylindrical mass	HND10KG
	Handle for 20 kg cylindrical mass	HND20KG

ACCESSORIES: CASES FOR WEIGHT SETS (WEIGHTS EXCLUDED)

	TYPE	MATERIAL	WEIGHTS	CODE
	Case	Plastic	Max. 12 compartments for fractions from 1 mg to 5 g + Max 4 compartments for fractions from 1 g to 5 g + 1 tong compartment	B2721
	Case	Aluminium	1 mg - 500 mg	BWSAM05
	Case	Aluminium	1 mg - 200 g	BWSA200
	Case	Aluminium	1 mg - 1 kg	BWSAK1
	Case	Aluminium	1 mg - 2 kg	BWSAK2
	Case	Aluminium	1 kg, 2x2 kg, 5 kg	BWSAK5
	Case	Aluminium	1 kg, 2x2 kg, 5 kg, 10 kg	BWSAK10
	Case	Wood, velvet interior	1 mg - 1 kg	BWSLEK1
	Case	Wood, velvet interior	1 mg - 2 kg	BWSLEK2
	Case	Wood, velvet interior	1 mg - 5 kg	BWSLEK5
	Case	Wood, velvet interior	1 mg - 10 kg	BWSLEK10
	Case	Wood, velvet interior	Max. 24 compartments for fractions from 1 mg to 100 g + 1 tong compartment	BWSLV100
	Case	Plastic	Max. 9 compartments for fractions from 100 g to 5 kg	B100K5
	Case	Plastic	Max. 26 compartments for fractions from 1 mg to 2 kg + 1 tong compartment	BMK2
	Case	High-quality plastic	Max. 12 compartments for fractions 1 g to 500 g + 1 accessory compartment	BM500
	Case	High-quality plastic	Max. 28 compartments for fractions 1 mg to 500 g + 1 accessory compartment	BM500M
	Case	High-quality plastic	Max. 16 compartments for fractions 1 g to 5 kg + 1 accessory compartment	BMK5
	Case	High-quality plastic	Max. 32 compartments for fractions 1 mg to 5 kg + 1 accessory compartment	BMK5M

SINGLE WEIGHTS

M1 CAST-IRON

Cast-iron weights, conforming to OIML-R111 Recommendation in M1 class, suitable for legal metrology and industrial applications.
The M1 accuracy class means these weights can be used for checking and calibrating scales and instruments in class III, up to 10.000e. Ideal for ISO quality weighing instrument verification.

M1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | DIE CAST IRON

TECHNICAL FEATURES

MASSES	Accuracy class	M1
	Compliance	OIML-R111
	Material	Cast-iron, painted or nickel-plated
	Density	7.100 kg/m³
	Tolerance	See tolerances table on page 10

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
Initial verification **	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) Net price per certificate.
(**) Not provided for the WBX20500 weight holder mass.
(***) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

				ADDITIONAL SERVICES ⊕	
				ACCREDIA CALIBRATION	OTHER
WEIGHT	DIMENSIONS (w x d x h) mm	MATERIAL	CODE	CODE	
5 kg	150 x 78 x 87	Cast-iron, **painted**	WM1VK5	CM1K5	✓
10 kg	195 x 97 x 110	Cast-iron, **painted**	WM1VK10	CM1K10	✓
20 kg	235 x 120 x 143	Cast-iron, **painted**	WM1VK20	CM1K20	✓
50 kg	310 x 160 x 195	Cast-iron, **painted**	WM1VK50	CM1K50	✓
5 kg	150 x 78 x 87	Cast iron, **nickel-plated**	WM1NK5	CM1K5	✓
10 kg	195 x 97 x 110	Cast iron, **nickel-plated**	WM1NK10	CM1K10	✓
20 kg	235 x 120 x 143	Cast iron, **nickel-plated**	WM1NK20	CM1K20	✓

WEIGHT HOLDER MASS

				ADDITIONAL SERVICES ⊕	
				ACCREDIA CALIBRATION	OTHER
WEIGHT	DIMENSIONS (w x d x h) mm	MATERIAL	CODE	CODE	
20 kg	832 x 518 x 387	Stainless steel	WBX20500	CM1K20	

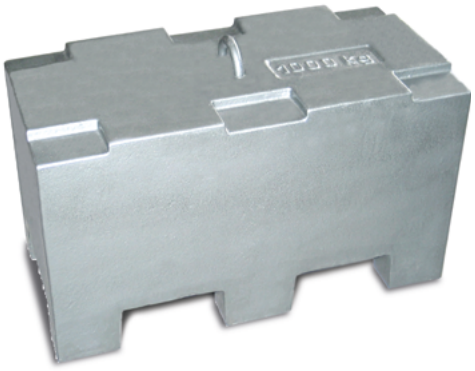
ACCESSORIES: CASES (WEIGHT EXCLUDED)

	MATERIAL	WEIGHT	CODE
	Aluminium	5 kg	BACK5
	Aluminium	10 kg	BACK10
	Aluminium	20 kg	BACK20
	Wood	5 kg	BWC5
	Wood	10 kg	BWC10
	Wood	20 kg	BWC20

SINGLE WEIGHTS

M1 HEAVY MASSES

Heavy mass weights, conforming to OIML-R111 Recommendation in class M1, suitable for legal metrology and industrial applications, particularly for the calibration of weighbridges and high-capacity systems. Easy to transport by trolley or crane, suitable for stacking. They are equipped with a watertight, high-density lateral calibration bush for greater accuracy stability over time.
The M1 accuracy class means these weights can be used for checking and calibrating scales and weighting systems in class III, up to 10.000e. Ideal for ISO quality weighing instrument verification.



M1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | DIE CAST IRON

TECHNICAL FEATURES

MASSES	Accuracy class	M1
	Compliance	OIML-R111
	Material	Steel painted with ferrous filler material (WM1PK2000E)
		Painted cast-iron (WM1VK100E-WM1VK200E-WM1VK500E-WM1VT1E)
	Density	7.100 kg/m³ (cast-iron masses up to 1.000 kg)
		5.000 kg/m³ (2.000 kg painted steel mass)

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
✓ Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **

(*) Net price per certificate.
(**) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

			ADDITIONAL SERVICES ⊕	
			ACCREDIA CALIBRATION	OTHER
MATERIAL	MASS	CODE	CODE	
Painted cast-iron	100 kg	WM1VK100E	CM1K100	✓
Painted cast-iron	200 kg	WM1VK200E	CM1K200	✓
Painted cast-iron	500 kg	WM1VK500E	CM1K500	✓
Painted cast-iron	1.000 kg	WM1VT1E	CM1K1000	✓
Painted steel	2.000 kg	WM1PK2000E	CM1K2000	✓

SINGLE DISC WEIGHTS

AND M1 WEIGHT HOLDING BARS

Disc weights suitable for legal metrology applications and the industrial sector and fully customisable. They have a groove and relief to allow them to interlock and keep them concentric; the slot allows them to be positioned on the bar.
Their tolerances are those provided for OIML M1 class masses and therefore allow these weights to be used for the control and calibration of scales and class III instruments up to 10.000e.
Ideal for ISO quality weighing instrument verification.

M1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | PHOSPHATED IRON

TECHNICAL FEATURES

MASSES	Accuracy class	M1
	Compliance	OIML-R111
	Material	Phosphated iron
	Density	7.700 kg/m³

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) Net price per certificate.
(**) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

			ADDITIONAL SERVICES ⊕	
			ACCREDIA CALIBRATION	OTHER
MASS	CODE	BAR CODE	CODE	
5 kg	WM1ADK5A	WM1AK5	CM1K5	
10 kg	WM1DK10A	WM1AK10	CM1K10	
5 kg	WM1DK5B	WM1AK5	CM1K5	
10 kg	WM1DK10B	WM1AK10	CM1K10	
20 kg	WM1DK20B	WM1AK10	CM1K20	

SINGLE WEIGHTS

F1 STAINLESS STEEL

Stainless steel weights, conforming to OIML-R111 Recommendation in class F1, suitable for legal metrology, industrial and research applications.
The F1 accuracy class means these weights can be used for checking and calibrating scales and instruments in class III, up to 100.000e. Ideal for ISO quality weighing instrument verification.

F1 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	F1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) Net price per certificate.
(**) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

				ADDITIONAL SERVICES ⊕	
				ACCREDIA CALIBRATION	OTHER
VALUE	**SHAPE**	**DIMENSIONS Ø x h** (mm)	**CODE**	**CODE**	
1 mg	▼		WAF1M1	CF150	✓
2 mg	■		WAF1M2	CF150	✓
5 mg	⬟		WAF1M5	CF150	✓
10 mg	▼		WAF1M10	CF150	✓
20 mg	■		WAF1M20	CF150	✓
50 mg	⬟		WAF1M50	CF150	✓
100 mg	▼		WAF1M100	CF150	✓
200 mg	■		WAF1M200	CF150	✓
500 mg	⬟		WAF1M500	CF150	✓
1 g		6 x 6	WAF11	CF150	✓
2 g		6 x 10	WAF12	CF150	✓
5 g		8 x 15	WAF15	CF150	✓
10 g		10 x 19	WAF110	CF150	✓
20 g		13 x 21	WAF120	CF150	✓
50 g		18 x 29	WAF150	CF150	✓
100 g		22 x 38	WAF1100	CF1K1	✓
200 g		28 x 50	WAF1200	CF1K1	✓
500 g		38 x 66	WAF1500	CF1K1	✓
1 kg		48 x 82	WAF1K1	CF1K1	✓
2 kg		60 x 105	WAF1K2	CF1K10	✓
5 kg		80 x 144	WAF1K5	CF1K10	✓
10 kg		100 x 184	WAF1K10	CF1K10	✓
20 kg		128 x 224	WAF1K20	CF1K20	✓

ACCESSORIES: CASES FOR SINGLE WEIGHT (WEIGHT EXCLUDED)

	MATERIAL	WEIGHT	CODE
	Plastic round	1 mg - 100 g	BM45100
	Plastic round	200 g	BM45200
	Plastic round	500 g	BM45500
	Plastic round	1 kg	BM65K1
	Plastic round	2 kg	BM65K2
	Plastic round	5 kg	BM65K5
	Plastic round	10 kg	BM65K10
	Aluminium	5 kg	BAK5
	Aluminium	10 kg	BAK10
	Aluminium	20 kg	BAK20
	Wood, velvet interior	1 mg - 500 m	BW05
	Wood, velvet interior	1 g	B9501LE
	Wood, velvet interior	2 g	B9502LE
	Wood, velvet interior	5 g	B9503LE
	Wood, velvet interior	10 g	B9504LE
	Wood, velvet interior	20 g	B9505LE
	Wood, velvet interior	50 g	B9506LE
	Wood, velvet interior	100 g	B9507LE
	Wood, velvet interior	200 g	B9508LE
	Wood, velvet interior	500 g	B9509LE
	Wood, velvet interior	1 kg	B9510LE
	Wood, velvet interior	2 kg	B9511LE
	Wood, velvet interior	5 kg	B9512LE
	Wood, velvet interior	10 kg	B9513LE
	Wood, velvet interior	20 kg	B9514LE

OTHER ACCESSORIES

	DESCRIPTION	CODE
	Cotton glove	GNT
	Brush length 100 mm Ø 10 mm	PNL10X100
	Weight tongs length 105 mm	PNZ105
	Weight tongs length 130 mm	PNZ130
	Weight tongs length 230 mm	PNZ230
	Handle for 5 kg cylindrical mass	FRK5 kg
	Handle for 10 kg cylindrical mass	HND10KG
	Handle for 20 kg cylindrical mass	HND20KG

ACCESSORIES: CASES FOR WEIGHT SETS (WEIGHTS EXCLUDED)

	TYPE	MATERIAL	WEIGHTS	CODE
	Case	Plastic	Max. 12 compartments for fractions from 1 mg to 5 g + Max 4 compartments for fractions from 1 g to 5 g + 1 tong compartment	B2721
	Case	Aluminium	1 mg - 500 mg	BWSAM05
	Case	Aluminium	1 mg - 200 g	BWSA200
	Case	Aluminium	1 mg - 1 kg	BWSAK1
	Case	Aluminium	1 mg - 2 kg	BWSAK2
	Case	Aluminium	1 kg, 2x2 kg, 5 kg	BWSAK5
	Case	Aluminium	1 kg, 2x2 kg, 5 kg, 10 kg	BWSAK10
	Case	Wood, velvet interior	1 mg - 1 kg	BWSLEK1
	Case	Wood, velvet interior	1 mg - 2 kg	BWSLEK2
	Case	Wood, velvet interior	1 mg - 5 kg	BWSLEK5
	Case	Wood, velvet interior	1 mg - 10 kg	BWSLEK10
	Case	Wood, velvet interior	Max. 24 compartments for fractions from 1 mg to 100 g + 1 tong compartment	BWSLV100
	Case	Plastic	Max. 9 compartments for fractions from 100 g to 5 kg	B100K5
	Case	Plastic	Max. 26 compartments for fractions from 1 mg to 2 kg + 1 tong compartment	BMK2
	Case	High-quality plastic	Max. 12 compartments for fractions 1 g to 500 g + 1 accessory compartment	BM500
	Case	High-quality plastic	Max. 28 compartments for fractions 1 mg to 500 g + 1 accessory compartment	BM500M
	Case	High-quality plastic	Max. 16 compartments for fractions 1 g to 5 kg + 1 accessory compartment	BMK5
	Case	High-quality plastic	Max. 32 compartments for fractions 1 mg to 5 kg + 1 accessory compartment	BMK5M

SINGLE WEIGHTS

E2 STAINLESS STEEL

Stainless steel weights, conforming to OIML-R111 Recommendation in class E2, suitable for legal metrology, industrial and research applications. The E2 accuracy class means these weights can be used for checking and calibrating scales and instruments up to 300.000e.
Ideal for ISO quality weighing instrument verification.

E2 ACCURACY CLASS | CALIBRATION CERTIFICATE (EA) | STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	E2
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10

STAINLESS STEEL

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
Initial verification	Initial mass verification (legal metrology). The service is carried out through the Provincial Metric Service.	VPML	
Laser marking	CIBE laser marking (format: ynnnn) for masses and weights of all accuracy classes, from 10 mg up to 20 kg.	LASERT1	*Price per unit up to 2 masses*
		LASERT2	*Price per unit from 3 to 10 masses*
		LASERT3	*Price per unit for more than 10 masses*
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
Express Service	Accredia Express Calibration Service in 2 working days (see section "Sales Conditions")	EXP	

(*) Net price per certificate.
(**) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.

VERSIONS TABLE

				ADDITIONAL SERVICES ⊕	
				ACCREDIA CALIBRATION	OTHER
VALUE	**SHAPE**	**DIMENSIONS Ø x h** (mm)	**CODE**	**CODE**	
1 mg	▼		WE2M1	CE250	✓
2 mg	■		WE2M2	CE250	✓
5 mg	⬟		WE2M5	CE250	✓
10 mg	▼		WE2M10	CE250	✓
20 mg	■		WE2M20	CE250	✓
50 mg	⬟		WE2M50	CE250	✓
100 mg	▼		WE2M100	CE250	✓
200 mg	■		WE2M200	CE250	✓
500 mg	⬟		WE2M500	CE250	✓
1 g		6 x 6	WE21	CE250	✓
2 g		6 x 10	WE22	CE250	✓
5 g		8 x 15	WE25	CE250	✓
10 g		10 x 19	WE210	CE250	✓
20 g		13 x 21	WE220	CE250	✓
50 g		18 x 29	WE250	CE250	✓
100 g		22 x 38	WE2100	CE2K1	✓
200 g		28 x 50	WE2200	CE2K1	✓
500 g		38 x 66	WE2500	CE2K1	✓
1 kg		48 x 82	WE2K1	CE2K1	✓
2 kg		60 x 105	WE2K2	CE2K10	✓
5 kg		80 x 144	WE2K5	CE2K10	✓
10 kg		100 x 184	WE2K10	CE2K10	✓

ACCESSORIES: CASES FOR SINGLE WEIGHT (WEIGHT EXCLUDED)

	MATERIAL	WEIGHT	CODE
	Plastic round	1 mg - 100 g	BM45100
	Plastic round	200 g	BM45200
	Plastic round	500 g	BM45500
	Plastic round	1 kg	BM65K1
	Plastic round	2 kg	BM65K2
	Plastic round	5 kg	BM65K5
	Plastic round	10 kg	BM65K10
	Aluminium	5 kg	BAK5
	Aluminium	10 kg	BAK10
	Aluminium	20 kg	BAK20
	Wood, velvet interior	1 mg - 500 m	BW05
	Wood, velvet interior	1 g	B9501LE
	Wood, velvet interior	2 g	B9502LE
	Wood, velvet interior	5 g	B9503LE
	Wood, velvet interior	10 g	B9504LE
	Wood, velvet interior	20 g	B9505LE
	Wood, velvet interior	50 g	B9506LE
	Wood, velvet interior	100 g	B9507LE
	Wood, velvet interior	200 g	B9508LE
	Wood, velvet interior	500 g	B9509LE
	Wood, velvet interior	1 kg	B9510LE
	Wood, velvet interior	2 kg	B9511LE
	Wood, velvet interior	5 kg	B9512LE
	Wood, velvet interior	10 kg	B9513LE
	Wood, velvet interior	20 kg	B9514LE

OTHER ACCESSORIES

	DESCRIPTION	CODE
	Cotton glove	GNT
	Brush length 100 mm Ø 10 mm	PNL10X100
	Weight tongs length 105 mm	PNZ105
	Weight tongs length 130 mm	PNZ130
	Weight tongs length 230 mm	PNZ230
	Handle for 5 kg cylindrical mass	FRK5 kg
	Handle for 10 kg cylindrical mass	HND10KG
	Handle for 20 kg cylindrical mass	HND20KG

ACCESSORIES: CASES FOR WEIGHT SETS (WEIGHTS EXCLUDED)

	TYPE	MATERIAL	WEIGHTS	CODE
	Case	Plastic	Max. 12 compartments for fractions from 1 mg to 5 g + Max 4 compartments for fractions from 1 g to 5 g + 1 tong compartment	B2721
	Case	Aluminium	1 mg - 500 mg	BWSAM05
	Case	Aluminium	1 mg - 200 g	BWSA200
	Case	Aluminium	1 mg - 1 kg	BWSAK1
	Case	Aluminium	1 mg - 2 kg	BWSAK2
	Case	Aluminium	1 kg, 2x2 kg, 5 kg	BWSAK5
	Case	Aluminium	1 kg, 2x2 kg, 5 kg, 10 kg	BWSAK10
	Case	Wood, velvet interior	1 mg - 1 kg	BWSLEK1
	Case	Wood, velvet interior	1 mg - 2 kg	BWSLEK2
	Case	Wood, velvet interior	1 mg - 5 kg	BWSLEK5
	Case	Wood, velvet interior	1 mg - 10 kg	BWSLEK10
	Case	Wood, velvet interior	Max. 24 compartments for fractions from 1 mg to 100 g + 1 tong compartment	BWSLV100
	Case	Plastic	Max. 9 compartments for fractions from 100 g to 5 kg	B100K5
	Case	Plastic	Max. 26 compartments for fractions from 1 mg to 2 kg + 1 tong compartment	BMK2
	Case	High-quality plastic	Max. 12 compartments for fractions 1 g to 500 g + 1 accessory compartment	BM500
	Case	High-quality plastic	Max. 28 compartments for fractions 1 mg to 500 g + 1 accessory compartment	BM500M
	Case	High-quality plastic	Max. 16 compartments for fractions 1 g to 5 kg + 1 accessory compartment	BMK5
	Case	High-quality plastic	Max. 32 compartments for fractions 1 mg to 5 kg + 1 accessory compartment	BMK5M

SINGLE WEIGHTS

E1 STAINLESS STEEL

Stainless steel weights, conforming to OIML-R111 in class E1, suitable for legal metrology, industrial and research applications.
The E1 accuracy class means these weights can be used for checking and calibrating scales and instruments beyond 300.000 divisions.
Ideal for ISO quality weighing instrument verification.

E1 ACCURACY CLASS — STAINLESS STEEL

TECHNICAL FEATURES

WEIGHTS	Shape	Ergonomic design for a firm and secure gripping
	Accuracy class	E1
	Compliance	OIML-R111
	Material	Polished, austenitic stainless steel
	Density	7.950 kg/m³
	Tolerance	See tolerances table on page 10

CIBE has chosen stainless steel to obtain weights that maintain their accuracy characteristics over time.

ADDITIONAL SERVICES ⊕

SERVICE	DESCRIPTION	CODE	
Accredia calibration	Accredia calibration certificate for weights from 1 mg to 500 mg.	*See versions table*	
	Surcharge for issuing individual certificates.	CTDIV	
Compatibility control	Compatibility control service of weights and masses.	ICMP1	*Compatibility report with previous CIBE calibration. Price up to 3 masses.*
		ICMP2	*Compatibility report with previous CIBE calibration. Price from 4 to 29 masses.*
		ICMP3	*Compatibility report without previous CIBE calibration. Price up to 3 masses. **
		ICMP4	*Compatibility report without previous C calibration. Price from 4 to 29 masses. **
EA calibration ***	For masses after volume determination.	CE1K1	1 g - 1 kg
		CE1K10	2 kg - 10 kg
	For masses that have not undergone volume determination.	CE1K1D	1 g - 1 kg
		CE1K10D	2 kg - 10 kg

(*) Net price per certificate.
(**) In case the previous calibration has been performed by another laboratory, the relevant certificate must be provided.
(***) EA calibration is available for weights in class E1 from 1 g to 10 kg.
Important note: Volume determination is a necessary step for weight calibration in class E1 weights 1 g up.
This operation is only necessary during the first calibration (see OIML-R111-1:2004 § 15.2.2.1).

VERSIONS TABLE

				ADDITIONAL SERVICES ⊕
				ACCREDIA CALIBRATION
VALUE	**SHAPE**	**DIMENSIONS Ø x h** (mm)	**CODE**	**CODE**
1 mg	△		WE1M1	CE11
2 mg	□		WE1M2	CE11
5 mg	⬠		WE1M5	CE11
10 mg	△		WE1M10	CE11
20 mg	□		WE1M20	CE11
50 mg	⬠		WE1M50	CE11
100 mg	△		WE1M100	CE11
200 mg	□		WE1M200	CE11
500 mg	⬠		WE1M500	CE11
1 g			WE11	- *
2 g			WE12	- *
5 g			WE15	- *
10 g			WE110	- *
20 g			WE120	- *
50 g			WE150	- *
100 g			WE1100	- *
200 g			WE1200	- *
500 g			WE1500	- *
1 kg			WE1K1	- *
2 kg			WE1K2	- *
5 kg			WE1K5	- *
10 kg			WE1K10	- *

(*) EA calibration is available for weights in class E1 from 1 g to 10 kg.

ACCESSORIES: CASES FOR SINGLE WEIGHT (WEIGHT EXCLUDED)

	MATERIAL	WEIGHT	CODE
	Plastic round	1 mg - 100 g	BM45100
	Plastic round	200 g	BM45200
	Plastic round	500 g	BM45500
	Plastic round	1 kg	BM65K1
	Plastic round	2 kg	BM65K2
	Plastic round	5 kg	BM65K5
	Plastic round	10 kg	BM65K10
	Aluminium	5 kg	BAK5
	Aluminium	10 kg	BAK10
	Aluminium	20 kg	BAK20
	Wood, velvet interior	1 mg - 500 m	BW05
	Wood, velvet interior	1 g	B9501LE
	Wood, velvet interior	2 g	B9502LE
	Wood, velvet interior	5 g	B9503LE
	Wood, velvet interior	10 g	B9504LE
	Wood, velvet interior	20 g	B9505LE
	Wood, velvet interior	50 g	B9506LE
	Wood, velvet interior	100 g	B9507LE
	Wood, velvet interior	200 g	B9508LE
	Wood, velvet interior	500 g	B9509LE
	Wood, velvet interior	1 kg	B9510LE
	Wood, velvet interior	2 kg	B9511LE
	Wood, velvet interior	5 kg	B9512LE
	Wood, velvet interior	10 kg	B9513LE
	Wood, velvet interior	20 kg	B9514LE

OTHER ACCESSORIES

	DESCRIPTION	CODE
	Cotton glove	GNT
	Brush length 100 mm Ø 10 mm	PNL10X100
	Weight tongs length 105 mm	PNZ105
	Weight tongs length 130 mm	PNZ130
	Weight tongs length 230 mm	PNZ230
	Handle for 5 kg cylindrical mass	FRK5 kg
	Handle for 10 kg cylindrical mass	HND10KG
	Handle for 20 kg cylindrical mass	HND20KG

ACCESSORIES: CASES FOR WEIGHT SETS (WEIGHTS EXCLUDED)

	TYPE	MATERIAL	WEIGHTS	CODE
	Case	Plastic	Max. 12 compartments for fractions from 1 mg to 5 g + Max 4 compartments for fractions from 1 g to 5 g + 1 tong compartment	B2721
	Case	Aluminium	1 mg - 500 mg	BWSAM05
	Case	Aluminium	1 mg - 200 g	BWSA200
	Case	Aluminium	1 mg - 1 kg	BWSAK1
	Case	Aluminium	1 mg - 2 kg	BWSAK2
	Case	Aluminium	1 kg, 2x2 kg, 5 kg	BWSAK5
	Case	Aluminium	1 kg, 2x2 kg, 5 kg, 10 kg	BWSAK10
	Case	Wood, velvet interior	1 mg - 1 kg	BWSLEK1
	Case	Wood, velvet interior	1 mg - 2 kg	BWSLEK2
	Case	Wood, velvet interior	1 mg - 5 kg	BWSLEK5
	Case	Wood, velvet interior	1 mg - 10 kg	BWSLEK10
	Case	Wood, velvet interior	Max. 24 compartments for fractions from 1 mg to 100 g + 1 tong compartment	BWSLV100
	Case	Plastic	Max. 9 compartments for fractions from 100 g to 5 kg	B100K5
	Case	Plastic	Max. 26 compartments for fractions from 1 mg to 2 kg + 1 tong compartment	BMK2
	Case	High-quality plastic	Max. 12 compartments for fractions 1 g to 500 g + 1 accessory compartment	BM500
	Case	High-quality plastic	Max. 28 compartments for fractions 1 mg to 500 g + 1 accessory compartment	BM500M
	Case	High-quality plastic	Max. 16 compartments for fractions 1 g to 5 kg + 1 accessory compartment	BMK5
	Case	High-quality plastic	Max. 32 compartments for fractions 1 mg to 5 kg + 1 accessory compartment	BMK5M

Sales conditions

Transport
Return of goods ex our plant. The risks of transport, loss and/or damage to goods are borne by the buyer. Transport by our affiliated couriers is available.

Retail prices
Excluding VAT, payable by the purchaser.

Packaging
Unless otherwise stated in the order confirmation, packaging for orders of new weights is included in the price. Weights to be sent to CIBE must be received by the Laboratory in packaging suited to their weight. The Laboratory reserves the right to charge the cost of any replacement and/or upgrading of packaging if it's damaged or unsuitable for return transport, in agreement with the customer.

Order processing times
The weights are usually available for immediate delivery if no certification is required. For certified weights, the time required for certification is usually less than 7 working days from receipt of the order or weights to be certified.

Express calibration service
Available for purchase orders of weights and weight sets including calibration and for calibration orders of weights and weight sets (subject to confirmation). Cleared within two working days for orders or material received before 12 a.m. (except for calibrated masses found to be out of tolerance).

Minimum billable amount
Given the management costs (processing time, dispatch and shipping, collection, etc.) the minimum monthly billable amount is € 50.00 (excluding VAT, packaging, transport). If the total of monthly orders of orders is less than € 50.00, a charge equal to the difference will be added up to the minimum billable amount.

Right of Withdrawal
The customer has the right to exercise the right of withdrawal in accordance with the conditions set out in Article 49 of the Consumer Code (Law 29/7/2003, no. 229). In this case, the consumer shall bear the cost for the return of the material in addition to any processing carried out.

"YOUR PARTNER FOR PRECISION AND METROLOGY"

CIBE
WEIGHTS AND MEASURES LABORATORY
A RICE LAKE WEIGHING SYSTEMS COMPANY

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WHY CHOOSE CIBE?

WORLDWIDE SERVICE AND SHIPPING

CIBE is part of an international group with operations in America, Europe, India, China, Mexico and Oceania, over 900 employees and a network of specialised partners in 130 countries worldwide.

PROMPT DELIVERY

CIBE always keeps weights and in stock for prompt shipments.

MADE IN ITALY

CIBE is an Italian company that guarantees the highest quality standards for its products and measurements.

SALES SERVICE AND TECHNICAL ASSISTANCE

Mod CBPREC-CEN
P/N CBPREC-CEN
Sn NOSN
CBPREC-CEN/NOSN

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