

Expertly Manufactured Weights

For Reliable Testing Applications



Metrology Expertise You Can Rely On

METTLER TOLEDO is a world leader in metrology and precision weighing equipment. Building on decades of weighing expertise and experience, you can trust our test weights and calibration services to be of the highest quality and value for money.

Our portfolio of weights includes OIML and ASTM weights from 50 micrograms to 5 tons in all accuracy classes as well as specialist weights for National Metrology Institutes. Furthermore, with a global network of accredited mass calibration laboratories, you can be sure of trustworthy calibration services and benefit from short weight recalibration times.



Table of Contents

| Routine Testing | 4 |
|--|----|
| Test Weights with a Calibration Certificate | 6 |
| OIML Classes E1, E2, F1, F2, M1 | 8 |
| ASTM Classes 1-4 | 9 |
| The CarePac® Solution for Routine Testing | 10 |
| Test Weights without a Calibration Certificate | 12 |
| OIML Classes E1, E2, F1, F2 | 14 |
| ASTM Classes 1-4 | 15 |
| Reference Weights | 16 |
| Microgram Weights | 17 |
| Test Weights for Industrial Scales—OIML Classes F1, F2, M1, M2, M3 | 18 |
| Weight Handling Accessories | 20 |
| Weight Calibration Services | 22 |



Choose from our comprehensive range of test weights, weight sets and calibration services according to your specific process requirements and ensure your weight results are reliable.



Routine Testing

Ensures Accurate Weighing Results

Routine testing of your balances and scales between scheduled calibrations helps you to maintain accuracy by ensuring early detection of non-conformance with your weighing process requirements.

Why is Routine Testing Necessary?

Over time, the performance of your weighing device can change due to environmental influences, wear and tear, and other non-obvious damage. With routine testing performed by the user, you can verify that your balance is performing correctly and ensure your results meet your accuracy requirements until the next calibration by a service technician. Routine testing ensures reliable, traceable results.



The 4 Pillars of Balance Routine Testing:



1. Test Weights

We support you in choosing the correct test weights for your balance or scale with our free GWP® Recommendation service. According to GWP® two test weights are sufficient:

- ≤5% capacity (for repeatability test)
- ≤100% capacity (for sensitivity and eccentricity test)



2. Testing Frequency

Industry regulations demand higher testing frequencies for higher risks. GWP® Verification provides you with an optimal routine testing and calibration schedule and an ideal maintenance plan—tailored to your specific processes.





3. Test Methods and SOPs

To verify the performance of a weighing instrument you need to test parameters such as sensitivity, repeatability and eccentricity. Your specific testing requirements depend on the criticality of your weighing processes. With our GWP® Verification service we support you in the evaluation of your test methods. For guidance download our free SOPs:

www.mt.com/gwp-testing-SOP

Which Weight Class Do I Need?

The following tables provide an indication of the weight class required for different weighing tolerances for lab applications. The weighing tolerance describes the error that is acceptable in the weighing result, specified as percentage. The safety factor is an additional safety margin that considers environmental influences such as vibrations, drafts etc.

OIML Weight Class Overview

| Balance Capacity | Weighing Tolerance | Weighing Tolerance | | | | | | | | | |
|------------------|--------------------|--------------------|--------------|--|--|--|--|--|--|--|--|
| | ≥0.04% | ≥0.01% | ≥0.004% | | | | | | | | |
| 2–3 g | E2 or better | E2 or better | Contact us | | | | | | | | |
| 5–6 g | F1 or better | E2 or better | E2 or better | | | | | | | | |
| 10–20 g | F1 or better | E2 or better | E2 or better | | | | | | | | |
| 50 g–50 kg | F2 or better | F1 or better | E2 or better | | | | | | | | |

Assuming a safety factor of 2.

ASTM Weight Class Overview

| Balance Capacity | Weighing Tolerance | | | | | | | | | |
|------------------|--------------------|------------------|------------------|--|--|--|--|--|--|--|
| | ≥0.04% | ≥0.01% | ≥0.004% | | | | | | | |
| 2–3 g | ASTM 2 or better | ASTM 1 or better | Contact us | | | | | | | |
| 5–6 g | ASTM 2 or better | ASTM 1 or better | ASTM 1 or better | | | | | | | |
| 10–20 g | ASTM 3 or better | ASTM 2 or better | ASTM 1 or better | | | | | | | |
| 50 g–50 kg | ASTM 4 or better | ASTM 2 or better | ASTM 1 or better | | | | | | | |

Assuming a safety factor of 2.

If you require a more detailed weight recommendation based on your specific needs, please contact us at www.mt.com/gwp



4. User Training

Our training packages provide your staff with the necessary skills to conduct routine testing of equipment and maintain compliance. The free online training course "Balance Routine Testing" provides practical information and tips on how to test a lab balance correctly.



Good Weighing Practice™

Good Weighing PracticeTM (GWP®) is the global weighing standard that ensures consistent accuracy of any weighing process, independent of the equipment model or brand. It involves the secure selection, calibration and operation of weighing equipment.

Test WeightsWith a Calibration Certificate

Monitoring the performance of your weighing equipment is a requirement of many standards, such as GMP and ISO 9001. Your internal Quality Assurance department may also specify what testing is necessary. In addition, audits of weighing equipment typically require documented proof of balance testing and calibration that can be traced to official reference standards.

METTLER TOLEDO's stainless steel test weights with a calibration certificate satisfy the highest requirements for periodic checking of balance performance. Each test weight is delivered with a calibration certificate from a METTLER TOLEDO calibration laboratory, produced in accordance with ISO/IEC 17025 requirements to fulfill metrological traceability requirements.

- OIML Classes E1, E2, F1, F2, M1 with a calibration certificate
- ASTM Classes 1-4 with a calibration certificate



Calibration Certificate

Our accredited mass calibration laboratories meet or exceed ISO/IEC 17025 standards. Weight calibration is the only way to obtain accurate and reliable data.



CarePac® Solution

A CarePac only contains two carefully selected weights—all you need for safe and accurate weighing processes between manufacturer-performed calibrations.



Recalibration

Our global network of weight calibration laboratories guarantees a fast and cost-effective weight calibration service wherever you are based.





Professional Accessories

Ergonomic tweezers (or weight forks for larger weights) as well as clean-room approved gloves and cleaning cloths meet the highest industry requirements and assure professional testing.

OIML WeightsWith Certificate





Individual Weights

| Nominal Value | Class E1 | Class E2 | Class F1 | Design | Class F1 | Class F2 | Class M1 | Design | |
|---------------|----------------|--------------|----------|-------------|--------------------------------------|----------|----------|----------|--|
| 1 mg | 30548907 | 158307 | 159417 | | 30406245 | 30406415 | 30406452 | | |
| 2 mg | 30548908 | 158317 | 159427 | | 30406246 | 30406416 | 30406453 | | |
| 5 mg | 30548909 | 158327 | 159437 | | 30406247 | 30406417 | 30406454 | | |
| 10 mg | 30548910 | 158337 | 159447 | | 30406388 | 30406418 | 30406455 | | |
| 20 mg | 30548911 | 158347 | 159457 | \triangle | 30406389 | 30406419 | 30406456 | | |
| 50 mg | 30548912 | 158357 | 159467 | | 30406390 | 30406420 | 30406457 | | |
| 100 mg | 30548913 | 158367 | 159477 | | 30406391 | 30406421 | 30406458 | | |
| 200 mg | 30548914 | 158377 | 159487 | \triangle | 30406392 | 30406422 | 30406459 | | |
| 500 mg | 30548915 | 158387 | 159497 | \triangle | 30406393 | 30406423 | 30406460 | | |
| 1 g | 30548916 | 158397 | 158607 | I | 30406394 | 30406424 | 30406371 | 1 | |
| 2 g | 30548917 | 158407 | 158617 | I | 30406395 | 30406425 | 30406372 | <u> </u> | |
| 5 g | 30548918 | 158417 | 158627 | I | 30406396 | 30406426 | 30406373 | | |
| 10 g | 30548919 | 158427 | 158637 | I | 30406397 | 30406427 | 30406374 | 5 | |
| 20 g | 30548920 | 158437 | 158647 | I | 30406398 | 30406428 | 30406375 | | |
| 50 g | 30548921 | 158447 | 158657 | I | 30406399 | 30406429 | 30406376 | | |
| 100 g | 30548922 | 158457 | 158667 | I | 30406400 | 30406430 | 30406377 | | |
| 200 g | 30548923 | 158467 | 158677 | I | 30406401 | 30406431 | 30406478 | 5 | |
| 500 g | 30548924 | 158477 | 158687 | I | 30406402 | 30406432 | 30406479 | 5 | |
| 1 kg | 30548925 | 158487 | 158697 | I | 30406403 | 30406433 | 30406480 | <u></u> | |
| 2 kg | 30548926 | 158497 | 158707 | I | 30406404 | 30406434 | 30406481 | <u></u> | |
| 5 kg | 30548927 | 158507 | 158717 | I | 30406405 | 30406435 | 30406482 | | |
| 10 kg | 30548928 | 158517 | 158727 | I | 30406406 | 30406436 | 30406483 | | |
| 20 kg | 30548929 | 158527 | 158737 | I | 30406407 | 30406437 | 30406484 | <u> </u> | |
| 50 kg | 30548930 | 158531 | 158741 | I | - | - | - | _ | |
| Shape | △ Wire V | Veights | , | | ☐ Sheet | Weights | , | | |
| Design | ■ Monol | oloc Knob We | eights | | ☐ Knob Weights with Adjusting Cavity | | | | |
| Box Material | Plastic (50 l | kg: Wood) | . – | | Plastic | | | | |



 Wire weight
 Monobloc knob weight (stainless steel, density 8.0 kg/dm³)



Sheet weight
Knob weight with
adjusting cavity
(stainless steel,
density 7.9 kg/dm³)

Weight Sets

| Weight Range | Class E1 | Class E2 | Class F1 | Class F1 | Class F2 | Class M1 |
|--------------|----------|----------|----------|----------|----------|----------|
| 1 mg-500 mg | 30548931 | 158807 | 161707 | 30406408 | 30406438 | 30406445 |
| 1 mg-200 g | 30548932 | 158847 | 158907 | 30406409 | 30406439 | 30406446 |
| 1 mg–1 kg | 30548933 | 158857 | 158917 | 30406410 | 30406440 | 30406447 |
| 1 mg–2 kg | 30548934 | 11117322 | 11119980 | 30406411 | 30406441 | 30406448 |
| 1 mg-5 kg | 30548935 | 11117324 | 11119982 | 30406412 | 30406442 | 30406449 |
| 1 g–50 g | 30548936 | 158817 | 158877 | 30406413 | 30406443 | 30406450 |
| 1 g–500 g | 30548937 | 158827 | 158887 | 30406414 | 30406444 | 30406451 |
| 1 kg-5 kg | 30548939 | 11125901 | 11125908 | _ | - | _ |
| Box Material | Aluminum | | , | Plastic | , | |

| Weight Set Contents Weight Range | l mg | 2 mg | 5 mg | 10 mg | 20 mg | 50 mg | 100 mg | 200 mg | 500 mg | J g | 2 g | 2 g | 10 g | 20 g | 50 g | 100 g | 200 g | 500 g | 1 kg | 2 kg | 5 kg |
|--|------|------|------|-------|-------|-------|--------|--------|--------|-----|-----|-----|------|------|------|-------|-------|-------|------|------|------|
| 1 mg-500 mg | 1× | 2× | 1× | 1× | 2× | 1× | 1× | 2× | 1× | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ |
| 1 mg-200 g | 1× | 2× | 1× | 1× | 2× | 1× | 1× | 2× | l× | l× | 2× | 1× | 1× | 2× | l× | 1× | 2× | _ | _ | _ | _ |
| 1 mg-1 kg | 1× | 2× | 1× | 1× | 2× | 1× | 1× | 2× | ۱× | ١× | 2× | 1× | 1× | 2× | ۱× | 1× | 2× | ۱× | 1× | _ | _ |
| 1 mg-2 kg | 1× | 2× | 1× | 1× | 2× | 1× | 1× | 2× | ١× | l× | 2× | ١× | 1× | 2× | ١× | ١× | 2× | 1× | ١× | 2× | _ |
| 1 mg-5 kg | 1× | 2× | 1× | ١× | 2× | 1× | 1× | 2× | ١× | 1× | 2× | 1× | 1× | 2× | ١× | ١× | 2× | 1× | l× | 2× | 1× |
| 1 g-50 g | - | _ | _ | _ | _ | _ | _ | _ | _ | ١× | 2× | ١× | 1× | 2× | ۱× | _ | _ | _ | 1 | _ | _ |
| 1 g-500 g | - | - | - | _ | _ | - | - | _ | _ | ١× | 2× | ۱× | 1× | 2× | ۱× | ١× | 2× | 1× | - | _ | _ |
| 1 kg-5 kg | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | 1× | 2× | 1x |

ASTM Weights

With Certificate







Sheet weight
Knob weight with
adjusting cavity

Individual Weights

| Nominal Value | Class 1 | Class 2 | Class 3 | Class 4 | Design | | | |
|---------------|--------------------------------------|----------|----------|----------|----------|--|--|--|
| 1 mg | 11123469 | 11123515 | 11123561 | 11123607 | | | | |
| 2 mg | 11123470 | 11123516 | 11123562 | 11123608 | | | | |
| 5 mg | 11123471 | 11123517 | 11123563 | 11123609 | | | | |
| 10 mg | 11123472 | 11123518 | 11123564 | 11123610 | | | | |
| 20 mg | 11123473 | 11123519 | 11123565 | 11123611 | | | | |
| 50 mg | 11123474 | 11123520 | 11123566 | 11123612 | | | | |
| 100 mg | 11123475 | 11123521 | 11123567 | 11123613 | | | | |
| 200 mg | 11123476 | 11123522 | 11123568 | 11123614 | | | | |
| 500 mg | 11123477 | 11123523 | 11123569 | 11123615 | | | | |
| 1 g | 11123478 | 11123524 | 11123570 | 11123616 | Ē | | | |
| 2 g | 11123479 | 11123525 | 11123571 | 11123617 | 5 | | | |
| 5 g | 11123480 | 11123526 | 11123572 | 11123618 | | | | |
| 10 g | 11123481 | 11123527 | 11123573 | 11123619 | 5 | | | |
| 20 g | 11123482 | 11123528 | 11123574 | 11123620 | ā | | | |
| 50 g | 11123483 | 11123529 | 11123575 | 11123621 | | | | |
| 100 g | 11123484 | 11123530 | 11123576 | 11123622 | T T | | | |
| 200 g | 11123485 | 11123531 | 11123577 | 11123623 | ā | | | |
| 500 g | 11123486 | 11123532 | 11123578 | 11123624 | ā | | | |
| 1 kg | 11123487 | 11123533 | 11123579 | 11123625 | ā | | | |
| 2 kg | 11123488 | 11123534 | 11123580 | 11123626 | 1 | | | |
| 5 kg | 11123489 | 11123535 | 11123581 | 11123627 | ā | | | |
| 10 kg | 11123490 | 11123536 | 11123582 | 11123628 | ā | | | |
| 20 kg | 11123491 | 11123537 | 11123583 | 11123629 | ā | | | |
| Shape | ☐ Sheet | Weights | | | | | | |
| Design | ☐ Knob Weights with Adjusting Cavity | | | | | | | |
| Box Material | Plastic | | | | | | | |



Weight Sets

| Class 1 | Class 2 | Class 3 | Class 4 |
|----------|--|---|--|
| 11124001 | 11124023 | 11124045 | 11124067 |
| 11124003 | 11124025 | 11124047 | 11124069 |
| 11124005 | 11124027 | 11124049 | 11124071 |
| 11124007 | 11124029 | 11124051 | 11124073 |
| 11124009 | 11124031 | 11124053 | 11124075 |
| 11124011 | 11124033 | 11124055 | 11124077 |
| 11124013 | 11124035 | 11124057 | 11124079 |
| 11124015 | 11124037 | 11124059 | 11124081 |
| 11124017 | 11124039 | 11124061 | 11124083 |
| 11124019 | 11124041 | 11124063 | 11124085 |
| 11124021 | 11124043 | 11124065 | 11124087 |
| Plastic | | | |
| | 11124001 11124003 11124005 11124007 11124009 11124011 11124013 11124015 11124019 11124021 | 11124001 11124023 11124003 11124025 11124005 11124027 11124007 11124029 11124009 11124031 11124011 11124033 11124013 11124035 11124015 11124037 11124017 11124039 11124019 11124041 11124021 11124043 | 11124001 11124023 11124045 11124003 11124025 11124047 11124005 11124027 11124049 11124007 11124029 11124051 11124009 11124031 11124053 11124011 11124033 11124055 11124013 11124035 11124057 11124015 11124037 11124059 11124017 11124039 11124061 11124019 11124041 11124063 11124021 11124043 11124065 |

Weight Set

| Contents | mg | mg | mg | mg | mg | mg | gm C | 0 mg | 0 mg | _ | _ | | D | 50 | ත | b c | b O | b O | Ş. | ķ | kg |
|--------------|----|-----|-----|----|----|----|------|------|------|-----|-----|-----|----|----|----|-----|-----|-----|----|-----|-----|
| Weight Range | | 2 n | 5 n | 10 | 20 | 20 | 100 | 200 | 500 | 1 g | 2 g | 5 g | 10 | 20 | 50 | 001 | 200 | 200 | | 2 k | 2 k |
| 1 mg-500 mg | 1× | 2× | ١× | 1× | 2× | ١x | ١x | 2× | ۱× | _ | _ | _ | _ | _ | - | - | _ | _ | _ | _ | |
| 1 mg-100 g | 1× | 2× | ١× | 1× | 2× | ۱× | ١× | 2× | ١× | 1× | 2× | ۱× | 1× | 2× | ١× | ١× | _ | _ | _ | _ | _ |
| 1 mg-200 g | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | 1× | 2× | ١× | ١× | 2× | _ | _ | _ | _ |
| 1 mg-500 g | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | 1× | 2× | ١× | ١× | 2× | ۱× | _ | _ | _ |
| 1 mg-1 kg | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | 1× | 2× | ١× | ١× | 2× | ١× | ١× | _ | _ |
| 1 mg-2 kg | 1× | 2× | ۱× | ١× | 2× | ١× | ۱× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ۱× | ١× | 2× | ١× | ١× | 2× | _ |
| 1 mg-5 kg | 1× | 2× | ۱× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | 1× | 2× | ١× | ١× | 2× | l× |
| 10 mg-50 g | - | _ | _ | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ۱× | ١× | 2× | ١× | - | _ | _ | _ | _ | _ |
| 1 mg-50 mg | ١× | 2× | ۱× | ١× | 2× | ١× | - | _ | _ | _ | _ | _ | _ | _ | _ | - | _ | _ | _ | _ | - |
| 1 g-100 g | - | _ | _ | _ | _ | _ | - | _ | _ | ١× | 2× | ١× | ١× | 2× | ١× | 1× | _ | _ | _ | _ | - |
| 1 g-500 g | - | _ | _ | _ | _ | _ | _ | _ | _ | ١x | 2× | ١x | ١× | 2× | 1× | 1× | 2× | ١x | _ | _ | _ |

The CarePac® Solution For Routine Testing

A CarePac® contains everything you need to limit the risk of working outside specified process tolerances. The two test weights are carefully selected to correspond to 5% and 100% of your balance's capacity—precisely what USP chapter 41 recommends for balance testing.

Tailored to your specific requirements, the three sizes of CarePac weight sets enable you to test balances of up to 8 kg weighing capacity. CarePac weights are specified to validate process tolerances up to 0.03%.

All CarePac sets are delivered with a calibration certificate and include tweezers, gloves and other accessories for professional weight handling.





Effortless Weight Selection

With just two carefully selected weights, a CarePac® has everything you need for efficient balance routine testing in accordance with USP chapter 41 and GWP®.



Optional 3rd Weight

All CarePac sets have the option to add a third weight to accommodate individual testing requirements. The nominal value of the third weight is between 1 mg and 100 g.



Accessories Included

Supplied as standard with each CarePac are ergonomic accessories such as tweezers or weight forks and a cleaning cloth. This allows professional weight handling and testing right from the first day without wasting time searching for the right tools.







OIML

| Class | Material No. |
|-------|--|
| E2 | 11123004 |
| F1 | 30550648 |
| F1 | 30550617 |
| F2 | 30550616 |
| F2 | 30550615 |
| F2 | 30550614 |
| F2 | 30550613 |
| F2 | 30550649 |
| F2 | 11123008 |
| F2 | 11123009 |
| F2 | 11123010 |
| F2 | 11123011 |
| | E2 F1 F1 F2 F2 F2 F2 F2 F2 F2 F2 F2 F2 F2 F2 |





ASTM

| Nominal Values | Class | Material No. |
|-----------------|-------|--------------|
| 0.1 g / 2 g | 1 | 11123104 |
| 0.2 g / 5 g | 1 | 11123105 |
| 1 g / 20 g | 1 | 11123106 |
| 2 g / 50 g | 1 | 11123103 |
| 5 g / 100 g | 1 | 11123102 |
| 10 g / 200 g | 1 | 11123101 |
| 20 g / 200 g | 1 | 11123100 |
| 20 g / 500 g | 1 | 11123107 |
| 50 g / 1,000 g | 1 | 11123108 |
| 100 g / 2,000 g | 1 | 11123109 |
| 200 g / 2,000 g | 4 | 11123110 |
| 200 g / 5,000 g | 4 | 11123111 |
| | | |

3rd Weight

| Nominal Value | OIML Class E2 | ASTM Class 1 | | | | | |
|---------------|---------------|--------------|--|--|--|--|--|
| 1 mg | 11123044 | 11123144 | | | | | |
| 2 mg | 11123045 | 11123145 | | | | | |
| 5 mg | 11123046 | 11123146 | | | | | |
| 10 mg | 11123047 | 11123147 | | | | | |
| 20 mg | 11123048 | 11123148 | | | | | |
| 50 mg | 11123049 | 11123149 | | | | | |
| 100 mg | 11123050 | 11123150 | | | | | |
| 200 mg | 11123051 | 11123151 | | | | | |
| 500 mg | 11123052 | 11123152 | | | | | |
| 1 g | 11123053 | 11123153 | | | | | |
| 2 g | 11123054 | 11123154 | | | | | |
| 5 g | 11123055 | 11123155 | | | | | |
| 10 g | 11123056 | 11123156 | | | | | |
| 20 g | 11123057 | 11123157 | | | | | |
| 50 g | 11123058 | 11123158 | | | | | |
| 100 g | 11123059 | 11123159 | | | | | |



Optional $3^{\rm rd}$ weight for CarePac sets—fits perfectly into your CarePac carrying case

Test Weights

Without a Calibration Certificate

High quality stainless steel test weights provide the best way to verify balance and scale performance and prevent out-of-specification errors. Premium stainless steel weights are corrosion resistant and guarantee long-term stability over their entire life span.

Using test weights without a calibration certificate may be acceptable in certain cases. However, test weights with a calibration certificate provide a more comprehensive option in case documentation should ever be requested. Certification relates to verifying and documenting accuracy. Even if not required by regulations, using test weights with a calibration certificate provides the reassurance that all your weight measurements can be validated at any time. For example, working according to ISO 9001 requires documented metrological traceability, so test weights with a certificate are necessary.

- OIML Classes E1, E2, F1, F2, M1 without a calibration certificate
- ASTM Classes 1–4 without a calibration certificate



Design and Construction

All weights are made of premium stainless steel to make them corrosion resistant. Monobloc weights are designed for long-term stability, and weights with an adjusting cavity simplify weight adjustment without the need for specialized equipment.



Expertly Crafted

Our unique manufacturing process involves traditional mechanical polishing, final stage electrolytic polishing, fully automated cleaning and final calibration using state-of-the-art mass comparators.



Protection and Longevity

To protect the integrity of the weight and ensure a long life-time, all weights are supplied in a robust, easy-to-clean plastic container. Approved materials, including foam inserts, make them a durable solution.





Stable Weight Properties

Experience and specialist skills acquired through years' of weight production guarantee the consistent high quality our customers demand.

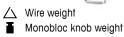
OIML Weights

Without Certificate

Individual Weights

| Nominal Value | Class E1 | Class E2 | Class F1 | Design | Class F1 | Class F2 | Class M1 | Design | | | |
|---------------|----------------|--------------|----------|---------------------|--------------------------------------|----------|----------|----------|--|--|--|
| 1 mg | 30548940 | 158306 | 159416 | Δ | 30402662 | 30402648 | 30402184 | | | | |
| 2 mg | 30548941 | 158316 | 159426 | $\overline{\Delta}$ | 30402629 | 30402649 | 30402510 | | | | |
| 5 mg | 30548942 | 158326 | 159436 | $\overline{\Delta}$ | 30402630 | 30402650 | 30402355 | | | | |
| 10 mg | 30548943 | 158336 | 159446 | \triangle | 30402631 | 30402651 | 30402585 | | | | |
| 20 mg | 30548944 | 158346 | 159456 | \triangle | 30402632 | 30402652 | 30402586 | | | | |
| 50 mg | 30548945 | 158356 | 159466 | \triangle | 30402633 | 30402653 | 30402587 | | | | |
| 100 mg | 30548946 | 158366 | 159476 | \triangle | 30402634 | 30402654 | 30402638 | | | | |
| 200 mg | 30548947 | 158376 | 159486 | \triangle | 30402635 | 30402655 | 30402639 | | | | |
| 500 mg | 30548948 | 158386 | 159496 | \triangle | 30402636 | 30402656 | 30402640 | | | | |
| 1 g | 30548949 | 158396 | 158606 | I | 30402637 | 30402657 | 30402641 | - | | | |
| 2 g | 30548950 | 158406 | 158616 | I | 30402688 | 30402658 | 30402642 | <u></u> | | | |
| 5 g | 30548951 | 158416 | 158626 | I | 30402689 | 30402659 | 30402643 | <u></u> | | | |
| 10 g | 30548952 | 158426 | 158636 | I | 30402690 | 30402603 | 30402644 | <u> </u> | | | |
| 20 g | 30548953 | 158436 | 158646 | I | 30402691 | 30402604 | 30402645 | - | | | |
| 50 g | 30548954 | 158446 | 158656 | I | 30402574 | 30402660 | 30402646 | <u> </u> | | | |
| 100 g | 30548955 | 158456 | 158666 | I | 30402783 | 30402661 | 30402647 | - | | | |
| 200 g | 30548956 | 158466 | 158676 | I | 30402698 | 30402577 | 30402576 | 7 | | | |
| 500 g | 30548957 | 158476 | 158686 | I | 30402701 | 30402700 | 30402699 | 5 | | | |
| 1 kg | 30548958 | 158486 | 158696 | I | 30402664 | 30402663 | 30402702 | <u> </u> | | | |
| 2 kg | 30548959 | 158496 | 158706 | I | 30402667 | 30402666 | 30402665 | ā | | | |
| 5 kg | 30548960 | 158506 | 158716 | I | 30402710 | 30402709 | 30402708 | 7 | | | |
| 10 kg | 30548961 | 158516 | 158726 | I | 30402714 | 30402712 | 30402711 | - | | | |
| 20 kg | 30548962 | 158526 | 158736 | I | 30402782 | 30402781 | 30402780 | <u> </u> | | | |
| 50 kg | 30548963 | 158530 | 158740 | I | - - - | | | | | | |
| Shape | △ Wire V | Veights | _ | | ☐ Sheet Weights | | | | | | |
| Design | ■ Monol | oloc Knob We | eights | | ☐ Knob Weights with Adjusting Cavity | | | | | | |
| Box Material | Plastic (50 l | (g: Wood) | | | Plastic | | | | | | |







Sheet weight Knob weight Knob weight with adjusting cavity

Weight Sets

| Weight Range | Class E1 | Class E2 | Class F1 | Class F1 | Class F2 | Class M1 |
|--------------|----------|----------|----------|----------|----------|----------|
| 1 mg-500 mg | 30548964 | 158806 | 161706 | 30402723 | 30402722 | 30402721 |
| 1 mg-200 g | 30548965 | 158846 | 158906 | 30402717 | 30402716 | 30402715 |
| 1 mg-1 kg | 30548966 | 158856 | 158916 | 30402735 | 30402734 | 30402732 |
| 1 mg-2 kg | 30548967 | 11117321 | 11119979 | 30402684 | 30402683 | 30402682 |
| 1 mg-5 kg | 30549208 | 11117323 | 11119981 | 30402687 | 30402686 | 30402685 |
| 1 g–50 g | 30549209 | 158816 | 158876 | 30402681 | 30402680 | 30402679 |
| 1 g-500 g | 30549210 | 158826 | 158886 | 30402730 | 30402729 | 30402728 |
| 1 kg-5 kg | 30549212 | 11125900 | 11125907 | _ | _ | _ |
| Box Material | Aluminum | | | Plastic | | |

| Wei | ght | Set |
|-----|-----|-----|
|-----|-----|-----|

| Contents | mg | mg | mg | mg | mg | mg | 0 mg | 0 mg | 0 m | _ | _ | _ | ත | ರಾ | D | 0 g | в 0 | g O | Ô | kg | Ď |
|--------------|----|-----|-----|----|----|----|------|------|-----|--------|-----|-----|----|----|----|-----|--------|-----|----|-----|----|
| Weight Range | _ | 2 n | 5 ח | 10 | 20 | 20 | ĕ | 200 | 200 | 1 g | 2 g | 5 g | 은 | 20 | 20 | 100 | 200 | 500 | | 2 k | 고 |
| 1 mg-500 mg | 1× | 2× | 1× | ١× | 2× | ١x | ١x | 2× | ١× | _ | _ | - | _ | _ | - | - | _ | _ | _ | - | _ |
| 1 mg-200 g | 1× | 2× | 1× | ۱× | 2× | ١x | l× | 2× | ١× | 1× | 2× | ١x | l× | 2× | ١× | ۱× | 2× | _ | - | ı | _ |
| 1 mg-1 kg | 1× | 2× | 1× | ۱× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | ١ | _ |
| 1 mg-2 kg | 1× | 2× | 1× | ١× | 2× | ١× | ١× | 2× | ۱× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ۱× | ١× | 2× | _ |
| 1 mg-5 kg | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ۱× | ١× | 2× | 1× |
| 1 g-50 g | - | - | - | _ | _ | _ | _ | _ | _ | ١x | 2× | ١× | ۱× | 2× | ۱× | _ | _ | - | - | ١ | _ |
| 1 g-500 g | - | - | - | _ | _ | _ | _ | _ | _ | ١x | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ۱× | - | ١ | _ |
| 1 kg-5 kg | _ | _ | _ | _ | _ | - | - | _ | _ | _ | - | - | - | _ | _ | _ | _ | _ | 1× | 2× | 1× |

ASTM Weights

Without Certificate





Sheet weight
Knob weight with
adjusting cavity

Individual Weights

| mairiaaai ii | o.go | | | | |
|---------------|----------|--------------|--------------|----------|----------|
| Nominal Value | Class 1 | Class 2 | Class 3 | Class 4 | Design |
| 1 mg | 11123446 | 11123492 | 11123538 | 11123584 | |
| 2 mg | 11123447 | 11123493 | 11123539 | 11123585 | |
| 5 mg | 11123448 | 11123494 | 11123540 | 11123586 | |
| 10 mg | 11123449 | 11123495 | 11123541 | 11123587 | |
| 20 mg | 11123450 | 11123496 | 11123542 | 11123588 | |
| 50 mg | 11123451 | 11123497 | 11123543 | 11123589 | |
| 100 mg | 11123452 | 11123498 | 11123544 | 11123590 | |
| 200 mg | 11123453 | 11123499 | 11123545 | 11123591 | |
| 500 mg | 11123454 | 11123500 | 11123546 | 11123592 | |
| 1 g | 11123455 | 11123501 | 11123547 | 11123593 | Ē |
| 2 g | 11123456 | 11123502 | 11123548 | 11123594 | Ē |
| 5 g | 11123457 | 11123503 | 11123549 | 11123595 | 1 |
| 10 g | 11123458 | 11123504 | 11123550 | 11123596 | Ē |
| 20 g | 11123459 | 11123505 | 11123551 | 11123597 | ā |
| 50 g | 11123460 | 11123506 | 11123552 | 11123598 | <u> </u> |
| 100 g | 11123461 | 11123507 | 11123553 | 11123599 | = |
| 200 g | 11123462 | 11123508 | 11123554 | 11123600 | ā |
| 500 g | 11123463 | 11123509 | 11123555 | 11123601 | <u></u> |
| 1 kg | 11123464 | 11123510 | 11123556 | 11123602 | = |
| 2 kg | 11123465 | 11123511 | 11123557 | 11123603 | = |
| 5 kg | 11123466 | 11123512 | 11123558 | 11123604 | ā |
| 10 kg | 11123467 | 11123513 | 11123559 | 11123605 | <u></u> |
| 20 kg | 11123468 | 11123514 | 11123560 | 11123606 | <u> </u> |
| Shape | ☐ Sheet | Weights | | | |
| Design | ■ Knob | Weights with | Adjusting Ca | vity | |
| Box Material | Plastic | | | | |
| | | | | | |



Weight Sets

| Weight Range | Class 1 | Class 2 | Class 3 | Class 4 |
|--------------|----------|----------|----------|----------|
| 1 mg-500 mg | 11124000 | 11124022 | 11124044 | 11124066 |
| 1 mg-100 g | 11124002 | 11124024 | 11124046 | 11124068 |
| 1 mg-200 g | 11124004 | 11124026 | 11124048 | 11124070 |
| 1 mg-500 g | 11124006 | 11124028 | 11124050 | 11124072 |
| 1 mg-1 kg | 11124008 | 11124030 | 11124052 | 11124074 |
| 1 mg-2 kg | 11124010 | 11124032 | 11124054 | 11124076 |
| 1 mg-5 kg | 11124012 | 11124034 | 11124056 | 11124078 |
| 10 mg-50 g | 11124014 | 11124036 | 11124058 | 11124080 |
| 1 mg-50 mg | 11124016 | 11124038 | 11124060 | 11124082 |
| 1 g–100 g | 11124018 | 11124040 | 11124062 | 11124084 |
| 1 g–500 g | 11124020 | 11124042 | 11124064 | 11124086 |
| Box Material | Plastic | | | |

Weight Set

| Contents | mg | mg | mg | mg | mg | mg |) mg |) mg |) mg | | | | | D | g | g (|) g |) g | kg | kg | ğ |
|--------------|-----|------|-----|----|----|----|------|------|------|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|----|
| Weight Range | l I | 2 rr | 5 n | 10 | 20 | 50 | 100 | 200 | 500 | 1 g | 2 g | 5 g | 10 | 20 | 9 | 100 | 200 | 500 | J K | 2 k | ਨ |
| 1 mg-500 mg | 1× | 2× | ١× | ۱× | 2× | l× | ١x | 2× | ١× | _ | _ | _ | - | _ | 1 | - | _ | _ | - | ı | _ |
| 1 mg-100 g | 1× | 2× | ١× | ۱× | 2× | ١× | ١× | 2× | ۱× | 1× | 2× | ١× | ١× | 2× | ١× | ١× | _ | - | ١ | ١ | _ |
| 1 mg-200 g | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ۱× | 2× | ١× | ١× | 2× | - | ١ | ١ | _ |
| 1 mg-500 g | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ۱× | ١× | 2× | ١× | ١× | 2× | ۱× | ١ | ١ | _ |
| 1 mg-1 kg | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | ١ | _ |
| 1 mg-2 kg | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ۱× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | _ |
| 1 mg-5 kg | 1× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ۱× | 2× | ١× | ١× | 2× | 1× |
| 10 mg-50 g | - | _ | _ | ۱× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١× | _ | _ | - | ١ | ı | _ |
| 1 mg-50 mg | ١× | 2× | ١× | ١× | 2× | ١× | _ | _ | _ | _ | _ | - | - | _ | ı | _ | _ | - | ١ | ı | _ |
| 1 g–100 g | _ | _ | _ | _ | _ | _ | _ | _ | _ | ۱× | 2× | ۱× | ١× | 2× | ۱× | ۱× | _ | _ | - | ı | _ |
| 1 g–500 g | _ | _ | _ | _ | _ | _ | _ | _ | _ | ۱× | 2× | ۱× | ١× | 2× | ۱× | ١× | 2× | ۱× | - | ١ | _ |

Reference Weights

For Highest Metrological Performance

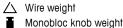
National Metrology Institutes (NMIs) strive for measurements with the smallest uncertainty. "EO" calibration weights, which have a higher accuracy than E1, enable calibration of mass standards to be done with the highest metrological performance.

To produce "EO" weights, METTLER TOLEDO hand selects the best E1 weights which are then calibrated by an NMI with an uncertainty of 1/5*MPE (E1). These reference weights are delivered with the NMI calibration certificate.

Individual Weights

| marviadar Weigins | | | | | | | | | | | |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|
| Class "EO" | Design | | | | | | | | | | |
| 30541858 | | | | | | | | | | | |
| 30541859 | \triangle | | | | | | | | | | |
| 30541860 | \triangle | | | | | | | | | | |
| 30541861 | | | | | | | | | | | |
| 30541862 | \triangle | | | | | | | | | | |
| 30541863 | \triangle | | | | | | | | | | |
| 30541864 | | | | | | | | | | | |
| 30541865 | | | | | | | | | | | |
| 30541866 | \triangle | | | | | | | | | | |
| 30541867 | I | | | | | | | | | | |
| 30541868 | I | | | | | | | | | | |
| 30541869 | I | | | | | | | | | | |
| 30541870 | I | | | | | | | | | | |
| 30541871 | I | | | | | | | | | | |
| 30541872 | I | | | | | | | | | | |
| 30541873 | I | | | | | | | | | | |
| 30541874 | I | | | | | | | | | | |
| 30541875 | I | | | | | | | | | | |
| 30541876 | I | | | | | | | | | | |
| 30541877 | I | | | | | | | | | | |
| 30541878 | I | | | | | | | | | | |
| 30541879 | I | | | | | | | | | | |
| 30548856 | I | | | | | | | | | | |
| 30548857 | I | | | | | | | | | | |
| | | | | | | | | | | | |
| ■ Monobloc Knob | Weights | | | | | | | | | | |
| Plastic (50 kg: Woo | d) | | | | | | | | | | |
| | Class "EO" 30541858 30541860 30541861 30541862 30541863 30541865 30541866 30541867 30541869 30541871 30541872 30541874 30541875 30541876 30541876 30541876 30541876 30541875 30541877 30541877 30541878 | | | | | | | | | | |







Weight Set







Weight Sets

| Class "EO" |
|------------|
| 30548898 |
| 30548899 |
| 30548900 |
| 30548901 |
| 30548902 |
| 30548903 |
| 30548904 |
| 30548906 |
| Aluminum |
| |

| Weight Set Contents Weight Range | l mg | 2 mg | 5 тд | 10 mg | 20 mg | 50 mg | 100 mg | 200 mg | 500 mg | J g | 2 g | 5 g | 10 g | 20 g | 50 g | 100 g | 200 g | 500 g | 1 kg | 2 kg | 5 kg |
|--|------|------|------|-------|-------|-------|--------|--------|--------|-----|-----|-----|------|------|------|-------|-------|-------|------|------|------|
| 1 mg-500 mg | 1× | 2× | ١× | ١× | 2× | 1× | 1× | 2× | ١× | - | - | - | _ | - | _ | - | - | - | _ | _ | _ |
| 1 mg-200 g | 1× | 2× | ١× | ١× | 2× | ١x | 1× | 2× | ١× | 1× | 2× | ١x | 1× | 2× | ١× | ١× | 2× | _ | _ | - | _ |
| 1 mg-1 kg | 1× | 2× | ١× | ١× | 2× | ١x | 1× | 2× | ١× | ١x | 2× | ١x | 1× | 2× | ١× | ١× | 2× | ١x | ١× | - | _ |
| 1 mg-2 kg | 1× | 2× | ١× | ١× | 2× | lχ | 1× | 2× | ١× | ١x | 2× | lχ | 1× | 2× | ١× | ١× | 2× | ١x | ١× | 2× | _ |
| 1 mg-5 kg | 1× | 2× | ١× | ١× | 2× | ١x | 1× | 2× | ١× | ١x | 2× | ١x | 1× | 2× | ١× | ١× | 2× | ١x | ١× | 2× | 1× |
| 1 g–50 g | - | _ | _ | _ | - | - | - | - | _ | ١x | 2× | ١× | 1× | 2× | ١× | _ | - | - | _ | - | _ |
| 1 g-500 g | - | _ | _ | _ | - | - | - | - | _ | ١x | 2× | ١× | ١× | 2× | ١× | ١× | 2× | ١x | _ | - | _ |
| 1 kg-5 kg | _ | _ | _ | _ | _ | _ | _ | _ | _ | - | _ | _ | _ | _ | _ | _ | _ | _ | lχ | 2× | 1× |



Microgram Weights

For Specialized Applications

Microgram weights are used predominantly by national institutes for scientific research and calibration. They also support general industrial research in areas where instrument calibration with milligram weights is not sufficiently accurate. Together with the specially developed handling tools and accessories, these weights offer a complete solution for users that go beyond traditional weighing boundaries.

Individual Weights

| Nominal Value | Class "EO" | incl. NMI Certificate |
|---------------|----------------|-----------------------|
| 0.05 mg | 30078800 | 30080144 |
| 0.1 mg | 30078801 | 30080145 |
| 0.2 mg | 30078802 | 30080146 |
| 0.5 mg | 30078803 | 30080147 |
| Shape | | |
| Box Material | Aluminum/Plast | ic |



Weight Set, Weight Set with accessories and Individual Weights

| Weight Sets | | | 05 mg | l mg | 2 mg | 5 mg | |
|----------------|------------|-----------------------|-------|------|------|------|-------------|
| Weight Range | Class "E0" | incl. NMI Certificate | 0.0 | 0 | 0. | 0. | Accessories |
| 0.05 mg-0.5 mg | 30078805 | 30078807 | ١× | ١x | 2× | ١x | Included |
| 0.05 mg-0.5 mg | 30078804 | 30078806 | ۱× | ١× | 2× | ١× | - |
| Box Material | Aluminum | | | | | | |

Test Weights for Industrial ScalesSolid, Innovative Designs Meet Tough Requirements

Test weights made of stainless steel or cast iron ensure longevity and durability. Grip-handle weights with a flat top for secure stacking allow the testing of scales with maximum capacities up to 200 kilograms. Heavy-capacity test weights with a unique design for safe lifting allow convenient testing of scales of several tons.

Handling heavy test weights always poses certain risks. To prevent injury and minimize manual handling, we have designed weights that allow four-side and top access using forklifts, cranes and hoists to enhance operator safety.

Our industrial-scale test weights include:

- OIML classes F1, F2, M1, M2, M3, with and without a calibration certificate
- Nominal values of 1 kilogram up to 5 tons



High-Quality Grip-Handle Weights

Our polished, stainless steel weights are forged and not cast. Forging closes the porosity, prevents sand inclusions during forming and ensures the best possible corrosion resistance. They meet the highest requirements in regulated industries.



Stackable to Your Requirements

Grip-handle weights, cylindrical weights and heavy-capacity weights are designed to allow safe and convenient stacking. Heavy-capacity weights can be easily stacked to test scales with maximum capacities of several tons.



Safe and Efficient Lifting

To ensure productive work, weight dimensions fit all common pallet jacks and forklifts and allow access from all sides. Heavy-duty, stainless steel handles facilitate the lifting of single weights or stacks by hoists and cranes.

Test Weights for Industrial Scales

Classes F1-M3

Grip-Handle Weights, Stainless Steel

| | OIML F1 | | OIML M1 | |
|---------------|------------------------------------|-------------------|------------------------------------|-------------------|
| Nominal Value | Weight | incl. Certificate | Weight | incl. Certificate |
| 1 kg | 11125424 | 11125429 | 30013625 | 30024245 |
| 2 kg | 11125425 | 11125430 | 30013626 | 30024246 |
| 5 kg | 11125426 | 11125431 | 30006805 | 30024247 |
| 10 kg | 11125427 | 11125432 | 30006806 | 30024248 |
| 20 kg | 11125428 | 11125433 | 30006807 | 30024249 |
| Material | Stainless steel, high gloss finish | | Stainless steel, glo passivated | iss bead blasted, |
| Density | 7.9 kg/dm³ | | 7.9 kg/dm ³ | |



Cylindrical Weights, Stainless Steel

| | OIML F2 | | OIML M1 | |
|-------------------------|------------------------|-------------------|------------------------|-------------------|
| Nominal Value | Weight | incl. Certificate | Weight | incl. Certificate |
| 5 kg | 11116650 | 11116656 | 11116600 | 11116601 |
| 10 kg | 11116651 | 11116657 | 11116610 | 11116611 |
| 20 kg | 11116652 | 11116658 | 11116620 | 11116621 |
| 50 kg | 11116653 | 11116659 | 11116630 | 11116631 |
| Weight carrier 40 kg | 11116654 | 11116660 | 11116640 | 11116641 |
| Material | Stainless steel | | Stainless steel | |
| Density | 7.9 kg/dm ³ | | 7.9 kg/dm ³ | |



Grip-Handle Weights, Cast Iron

| | OIML M1 | | OIML M2 | | OIML M3 | |
|---------------|------------------------|--|------------------------|-------------------|----------------------------------|-------------------|
| Nominal Value | Weight | incl. Certificate | Weight | incl. Certificate | Weight | incl. Certificate |
| 5 kg | 11125400 | 11125404 | 11125408 | 11125412 | 11125416 | 11125420 |
| 10 kg | 11125401 | 11125405 | 11125409 | 11125413 | 11125417 | 11125421 |
| 20 kg | 11125402 | 11125406 | 11125410 | 11125414 | 11125418 | 11125422 |
| 50 kg | 11125403 | 11125407 | 11125411 | 11125415 | 11125419 | 11125423 |
| Material | Cast iron, two-con | t iron, two-component coating Cast iron, two-component coa | | ponent coating | Cast iron, two-component coating | |
| Density | 7.2 kg/dm ³ | | 7.2 kg/dm ³ | | 7.2 kg/dm ³ | |



Heavy-Capacity Rectangular Weights, Cast Iron

| | OIML M1 | | |
|---------------|----------------------------------|-------------------|--|
| Nominal Value | Weight | incl. Certificate | |
| 50 kg | 11125498 | 11125499* | |
| 100 kg | 11125500 | 11125506* | |
| 200 kg | 11125501 | 11125507* | |
| 500 kg | 11125502 | 11125508* | |
| 1,000 kg | 11125503 | 11125509* | |
| 2,000 kg | 11125504 | 11125510* | |
| 5,000 kg | 11125505 | 11125511* | |
| Material | Cast iron, two-component coating | | |
| Density | 7.2 kg/dm ³ | | |



^{*} COFRAC certificate, LNE approval no J060982-01-1/1

Weight Accessories

Ensure Correct Test Weight Handling

Weights are the most frequently used and important equipment for testing scales and balances. For this reason, test weights need to be treated with care. How you handle, clean and store your test weights can make a sizeable difference to the ongoing accuracy of your weighing processes.

Issues such as skin oils, dirt, and temperature changes can affect the accuracy of your weights and thus the result of your routine checks or calibrations. Any errors that result can cause rework, waste, regulatory fines, and more. Professional weight-handling accessories will help you avoid these potentially expensive errors and ensure the highest accuracy in your testing and calibrations.



Tweezers and Gloves Prevent Contamination

Eliminating skin-to-weight contact is especially critical for weights with tighter tolerances and smaller nominal values. Non-magnetic and non-abrasive tweezers and synthetic or leather gloves protect your laboratory test weights.



Handles for Easy Operation of Larger Knob Test Weights

Scratches can harm the surface of your weights, affecting their accuracy. Specialized handles for lifting knob weights protect their surface, facilitate their correct placement on the balance or scale while enhancing operator safety.



Stackable Weight Carriers

For easy and fast testing of industrial scales, stackable weight carriers accommodate cylindrical weights of 20 kg, 10 kg or 5 kg, max. capacity of 200 kg. Weights including weight carrier 720×275×330 mm (L×W×H) are available in calibrated and certified versions (see p. 19).

Weight Accessories

Choose from a comprehensive range of accessories for professional weight handling, including ergonomic tweezers, weight forks, weight handles and several types of gloves.

Tweezers

| Tips | Weight | Length | Material No. |
|----------|-------------|--------|--------------|
| Straight | 1 mg-50 g | 130 mm | 00015900 |
| Straight | 1 g-1 kg | 220 mm | 11116544 |
| Straight | 1 mg-50 g | 140 mm | 11116543 |
| Bent | 1 g-1 kg | 210 mm | 00015901 |
| Bent | 1 g-200 g | 130 mm | 11116540 |
| Straight | 1 mg-500 mg | 130 mm | 30040321 |





Weight Forks

| Material | Weight | Length | Material No. |
|--------------------|------------|--------|--------------|
| Aluminum/Polyamide | 500 g-1 kg | 300 mm | 00222175 |
| Aluminum/Polyamide | 2 kg | 320 mm | 00015902 |
| Aluminum/Polyamide | 5 kg | 470 mm | 00015903 |
| ABS | 500 g | 150 mm | 11123094 |
| ABS | 1 kg | 150 mm | 11123095 |





Weight Handles

| Material | Weight | Material No. |
|---------------------------|---------------------------------|--------------|
| Steel with rubber coating | 2 kg | 11123096 |
| Steel with rubber coating | 5 kg | 11123097 |
| Aluminum | 10 and 20 kg | 00015904 |
| Aluminum | 10 and 20 kg with ear for crane | 11116517 |
| Aluminum | 50 kg with ear for crane | 11116515 |





Miscellaneous Accessories

| | Material No. |
|--|--------------|
| Leather gloves, pair, not suitable for regulated environments | 00072001 |
| Nylon gloves, pair, suitable for all environments | 11123098 |
| Micro fibre cloth, suitable for all environments | 00158798 |
| Brush, suitable for all environments | 00158799 |
| Weight marking, up to 5 digits, alphanumeric, on 1 g–50 kg weights | 11116500 |
| Air bellow, for weight cleaning | 11116548 |





Calibration ServicesFor Weights You Can Trust

Accurately calibrated test weights are the basis of accurate weighing results. Periodic recalibration of test weights at an accredited mass calibration laboratory is essential to ensure ongoing traceability. At our accredited mass calibration laboratories, we clean, calibrate, and adjust each weight, and document the results in a calibration certificate. Our calibration services cover the basic reporting of conventional mass correction, uncertainty and traceability information in accordance with ISO/IEC 17025 requirements.

Benefits of calibrating your weights with METTLER TOLEDO:

- Easy access to our global network of weight calibration laboratories
- Fast turnaround time for weight recalibration
- METTLER TOLEDO state-of-the-art mass comparators are used
- All our mass laboratories are accredited and meet or exceed ISO/IEC 17025,
 FDA, GMP, and nuclear industry requirements

Our mass calibration laboratories and those of our selected partners around the world ensure that the logistical routes for recalibrating your weights are short, the response times fast and our offers adapted to your local needs.



METTLER TOLEDO's Global Network of Mass Calibration Laboratories





How Often Shall I Recalibrate My Test Weights?

Even when weights are handled with care, they experience wear. Therefore it is important to recalibrate your routine test weights regularly. The frequency depends on the usage of the weights and the criticality of your weighing process. Our GWP® Verification (read more on page 4) service provides you not only with a calibration and testing plan to maintain consistent quality but also with a recommendation for the recalibration interval of your test weights.

www.mt.com/gwp-verification

Benefit from Our Weighing Expertise

Visit our Lab Library for a wealth of free information on weights, routine testing and good weighing practices.

- Routine Testing Guide
- SOPs for Balance Testing
- Routine Testing eLearning
- Correct Test Weight Handling Guide and more...



www.mt.com/weights .

For more information

METTLER TOLEDO Group

Laboratory Weighing Local contact: www.mt.com/contact

Subject to technical changes © 08/2019 METTLER TOLEDO. All rights reserved 30540219A Group MarCom 2741 KA/JK

