

# WEIGHTS



aczel®

...Since 1986

- Outstanding cost performance ratio
- Quick handling time
- Modern calibration methods allow exact calibration results and quick processing times.



- Calibrated by NPL / RRSL or NABL Accredited Laboratory Internationally valid.
- According to OIML - R111 Standards.
- Complete Service Ranging from 1mg to 100kg.
- E2 to M1 Class weights with or without Certification.
- Higher Accuracy Metrological Weights.



**A Balance can never be more accurate than the test weight....**

## ACZET WEIGHTS ARE

- Outstanding cost performance ratio
- Quick handling time
- Modern calibration methods allow exact calibration results and quick processing times.
- calibration services are independent of the brand
- services weights (e.g. Adjustment or cleaning)
- calibration certificates are internationally valid.
- We will gladly manage your recalibration cycles.
- Collection and delivery service by request.

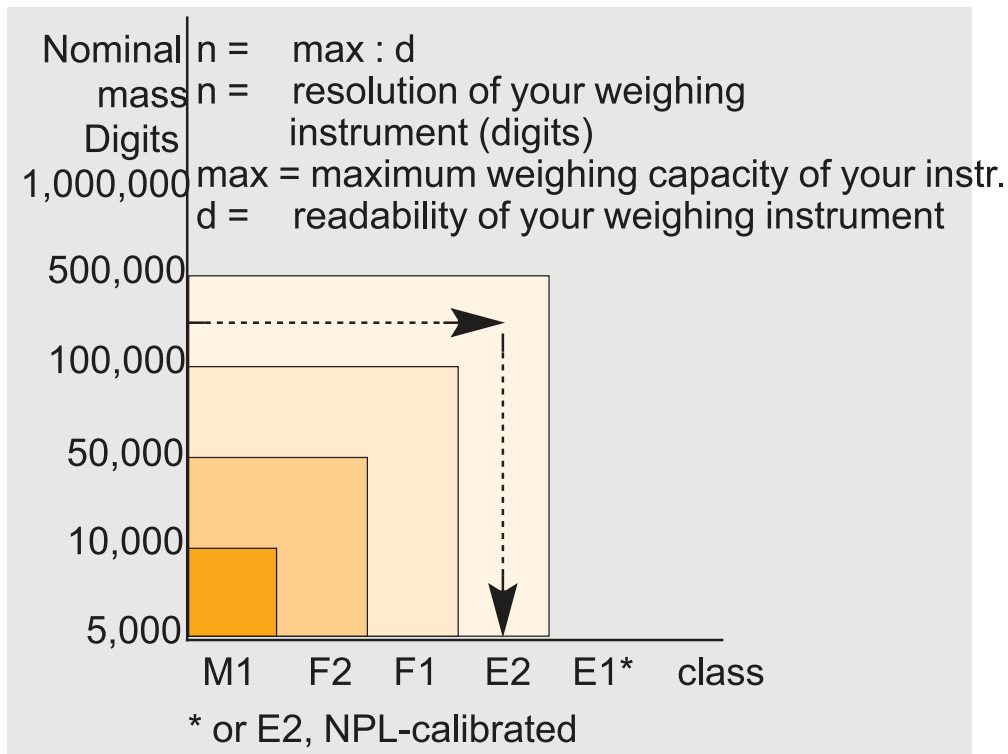
## Here's how to find the right test weight

Just determine the number of digits specified for your weighing instrument's resolution, then read off the particular accuracy class that your test weight must have on the graph provided below.

The weight value of your test weight should be more than 80% of the maximum capacity of your weighing instrument.

Use the following chart to determine whether you need an individual weight or a weight set by comparing the nominal mass values

Example: Suppose your weighing instrument has a capacity of 2,200 g and a readability of 0.01 g. This yields 220,000 digits, which correspond to a class E2 test weight. Since 80% of 2,200 g is 1,760 g, you need to round it to a weight value of 2,000 g.



## How often should recalibration take place?

It depends on the frequency of use, the conditions of usage as well as your security need. Standardization does not specify a certain time interval for the recalibration of weights.

We recommend that all weights which are used intensively. Should be recalibrated at least every 6 months. Weights that are used seldom, should be recalibrated at least once a year.

## Quality of the test Weight :

A balance can never be more accurate than the test weight, used to adjust it, it depends on its tolerance.

# Composition Table

For all standard sets of weights from 1mg upward.



## Sets of Weights

1mg - 500mg	1,11g																		
1mg - 50g		111,11g																	
1mg - 100g			211,11g																
1mg - 200g				611,11g															
1mg - 500g					1,111,11g														
1mg - 1kg						2,111,11g													
1mg - 2kg							6,111,11g												
1mg - 5kg								11,111,11g											
1mg - 10kg									21,111,11g										

## E2 - Stainless Steel Weights (Single)

Part No.	Mass weight	Tolerance	Wooden Box	Certificate
117-01	1g	±0.03mg	117-01-100	100-001
117-02	2g	±0.04mg	117-02-100	100-002
117-03	5g	±0.05mg	117-03-100	100-003
117-04	10g	±0.06mg	117-04-100	100-004
117-05	20g	±0.08mg	117-05-100	100-005
117-06	50g	±0.10mg	117-06-100	100-006
117-07	100g	±0.16mg	117-07-100	100-007
117-08	200g	±0.3mg	117-08-100	100-008
117-09	500g	±0.8mg	117-09-100	100-009
117-11	1Kg	±1.6mg	117-11-100	100-010
117-12	2Kg	±3.0mg	117-12-100	100-011
117-13	5Kg	±8.0mg	117-13-100	100-012
117-14	10Kg	±16.0mg	117-14-100	100-013
117-15	20Kg	±30.0mg	117-15-100	100-014
117-16	50Kg	±80.0mg	117-16-100	100-015
117-18	100Kg	±160mg	117-18-100	100-016



## E2 - Stainless Steel Weights (SETS)

Part No.	Mass weight	Certificate
118-22	1mg - 500mg	100-501
118-02	1mg - 50gm	100-502
118-03	1mg - 100gm	100-503
118-04	1mg - 200gm	100-504
118-05	1mg - 500gm	100-505
118-06	1mg - 1kg	100-506
118-07	1mg - 2kg	100-507
118-08	1mg - 5kg	100-508
118-09	1mg - 10kg	100-509
114-02	1g - 50g	100-510
114-03	1g - 100g	100-511
114-04	1g - 200g	100-512
114-05	1g - 500g	100-513
114-06	1g - 1kg	100-514
114-07	1g - 2kg	100-515
114-08	1g - 5kg	100-516
114-09	1g - 10kg	100-517



## F1 - Stainless Steel Weights (Single)

Part No.	Mass weight	Tolerance	Wooden Box	Certificate
126-01	1g	±0.10mg	126-01-100	100-017
126-02	2g	±0.12mg	126-02-100	100-018
126-03	5g	±0.16mg	126-03-100	100-019
126-04	10g	±0.20mg	126-04-100	100-020
126-05	20g	±0.25mg	126-05-100	100-021
126-06	50g	±0.3mg	126-06-100	100-022
126-07	100g	±0.5mg	126-07-100	100-023
126-08	200g	±1.0mg	126-08-100	100-024
126-09	500g	±2.50mg	126-09-100	100-025
126-11	1Kg	±5.0mg	126-11-100	100-026
126-12	2Kg	±10mg	126-12-100	100-027
126-13	5Kg	±25mg	126-13-100	100-028
126-14	10Kg	±50mg	126-14-100	100-029
126-15	20Kg	±100mg	126-15-100	100-030
126-16	50Kg	±250mg	126-16-100	100-031



## F1 - Stainless Steel Weights (SETS)

Part No.	Mass weight	Certificate
123-02	1mg - 50gm	100-518
123-03	1mg - 100gm	100-519
123-04	1mg - 200gm	100-520
123-05	1mg - 500gm	100-521
123-06	1mg - 1kg	100-522
123-07	1mg - 2kg	100-523
123-08	1mg - 5kg	100-524
123-09	1mg - 10kg	100-525
124-02	1g - 50g	100-526
124-03	1g - 100g	100-527
124-04	1g - 200g	100-528
124-05	1g - 500g	100-529
124-06	1g - 1kg	100-530
124-07	1g - 2kg	100-531
124-08	1g - 5kg	100-532
124-09	1g - 10kg	100-533



## F2 - Stainless Steel Weights (Single)

Part No.	Mass weight	Tolerance	Wooden Box	Certificate
137-01	1g	±0.3mg	137-01-100	100-030
137-02	2g	±0.4mg	137-02-100	100-031
137-03	5g	±0.5mg	137-03-100	100-032
137-04	10g	±0.6mg	137-04-100	100-033
137-05	20g	±0.8mg	137-05-100	100-034
137-06	50g	±1.0mg	137-06-100	100-035
137-07	100g	±1.6mg	137-07-100	100-036
137-08	200g	±8.0mg	137-08-100	100-037
137-09	500g	±8mg	137-09-100	100-038
137-11	1Kg	±16mg	137-11-100	100-039
137-12	2Kg	±30mg	137-12-100	100-040
137-13	5Kg	±80mg	137-13-100	100-041
137-14	10Kg	±160mg	137-14-100	100-042
137-15	20Kg	±320mg	137-15-100	100-043
137-16	50Kg	±800mg	137-16-100	100-044



## F2 - Stainless Steel Weights (SETS)

Part No.	Mass weight	Certificate
138-22	1mg - 500mg	100-534
133-02	1mg - 50gm	100-535
133-03	1mg - 100gm	100-536
133-04	1mg - 200gm	100-537
133-05	1mg - 500gm	100-538
133-06	1mg - 1kg	100-539
133-07	1mg - 2kg	100-540
133-08	1mg - 5kg	100-541
133-09	1mg - 10kg	100-542
134-02	1g - 50g	100-543
134-03	1g - 100g	100-544
134-04	1g - 200g	100-545
134-05	1g - 500g	100-546
134-06	1g - 1kg	100-547
134-07	1g - 2kg	100-548
134-08	1g - 5kg	100-549
134-09	1g - 10kg	100-550



## M1 - Stainless Steel Weights (Single)

Part No.	Mass weight	Tolerance	Wooden Box	Certificate
147-01	1g	±1.0mg	147-01-100	100-043
147-02	2g	±1.2mg	147-02-100	100-044
147-03	5g	±1.6mg	147-03-100	100-045
147-04	10g	±2.0mg	147-04-100	100-046
147-05	20g	±2.5mg	147-05-100	100-047
147-06	50g	±3mg	147-06-100	100-048
147-07	100g	±5mg	147-07-100	100-049
147-08	200g	±10mg	147-08-100	100-050
147-09	500g	±25mg	147-09-100	100-051
147-11	1Kg	±50mg	147-11-100	100-052
147-12	2Kg	±100mg	147-12-100	100-053
147-13	5Kg	±250mg	147-13-100	100-054
147-14	10Kg	±500mg	147-14-100	100-055
147-15	20Kg	±1000mg	147-15-100	100-056
147-16	50Kg	±250mg	147-16-100	100-057



## M1 - Stainless Steel Weights (SETS)

Part No.	Mass weight	Certificate
148-22	1mg - 500mg	100-551
143-02	1mg - 50gm	100-552
143-03	1mg - 100gm	100-553
143-04	1mg - 200gm	100-554
143-05	1mg - 500gm	100-555
143-06	1mg - 1kg	100-556
143-07	1mg - 2kg	100-557
143-08	1mg - 5kg	100-558
143-09	1mg - 10kg	100-559
143-02	1g - 50g	100-560
144-03	1g - 100g	100-561
144-04	1g - 200g	100-562
144-05	1g - 500g	100-563
144-06	1g - 1kg	100-564
144-07	1g - 2kg	100-565
144-08	1g - 5kg	100-566
144-09	1g - 10kg	100-567



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