

Typical Minimum Weights Jewelry Balances

Capacity	Model	Readability	Typical Minimum Weights (g)					
			0.01	0.1	1	10	100	
42/155 g	JET155DUG	0.01 mg/0.00001 g*	0.008 g	0.04 g				
220 g	JE203G; JE203GE	1 mg/0.001 g		0.28 g	1.4 g			
320 g	JET303G; JE303G; JE303GE	1 mg/0.001 g		0.28 g	1.4 g			
520 g	JE503G; JE503GE	1 mg/0.001 g		0.28 g	1.4 g			
620 g	JET603G	1 mg/0.001 g		0.28 g	1.4 g			
1,020 g	JET1003G	1 mg/0.001 g		0.28 g	1.4 g			
1.2 kg	JET1002G; JE1002G; JE1002GE	10 mg/0.01 g			2.8 g	14 g		
2.2 kg	JET2002G; JE2002G; JE2002GE	10 mg/0.01 g			2.8 g	14 g		
3.2 kg	JET3002G; JE3002G; JE3002GE	10 mg/0.01 g			2.8 g	14 g		
4.2 kg	JET4002G; JE4002G; JE4002GE	10 mg/0.01 g			2.8 g	14 g		
5.2 kg	JE5002G; JE5002GE	10 mg/0.01 g			2.8 g	14 g		
6.2 kg	JET6002G	10 mg/0.01 g			2.8 g	14 g		
6.2 kg	JET6001G	100 mg/0.1 g				28 g	140 g	
12.2 kg	JET12002G	10 mg/0.01 g			2.8 g	14 g		
16.2 kg	JP16001G	100 mg/0.1 g				28 g	140 g	
32.2 kg	JP32001G	100 mg/0.1 g				28 g	140 g	


* Readability in fine range.


Weighing Tolerance: 0.5% (Silver, precious gemstones etc.)

Weighing Tolerance: 0.1% (Gold, platinum, diamonds etc.)

Additional Weighing Tolerances	1%	2%
Conversion of the typical minimum weight @ 0.1%	±10	±20
Example: JET603G with 1.4 g @ 0.1% weighing tolerances	0.14 g	0.07 g

Capacity	Model	Readability	Typical Minimum Weights (g)		
			0.05	1	10
505 ct	JET503C; JE503C; JE503CE	0.001 ct/0.1 mg	0.16 ct	0.08 ct	
700 ct	JET703C; JE703C; JE703CE	0.001 ct/0.1 mg	0.16 ct	0.08 ct	
1,100 ct	JET1103C; JE1103C; JE1103CE	0.001 ct/0.1 mg	0.16 ct	0.08 ct	
1,600 ct	JET1603C	0.001 ct/0.1 mg	0.16 ct	0.08 ct	

 **Weighing Tolerance: 0.5%** (Silver, precious gemstones etc.)

 **Weighing Tolerance: 0.1%** (Gold, platinum, diamonds etc.)

Additional Weighing Tolerances	1%	2%
Conversion of the typical minimum weight @ 0.1%	÷10	÷20
Example: JET503C with 0.8 ct @ 0.1% weighing tolerances	0.08 ct	0.04 ct

Additional notes to the indicated minimum weights:



The actual minimum weight of the device at its location depends on the environment, tare containers, device settings, etc. This dependence is represented in the diagram by the range of the golden and silver bars. The actual minimum weight can therefore be smaller or larger than the typical values indicated here, for which METTLER TOLEDO takes no responsibility.

Recommendations for practical measures to improve the actual minimum weight:

- Make sure that the balance is stable and correctly installed.
- Avoid environmental influences like drafts, direct sunlight, temperature changes (e.g. by installing a draft shield or moving the balance to a more suitable location).
- Use smaller or less critical weighing bowls.

www.mt.com/gwp

For more information

METTLER TOLEDO Group
Laboratory Weighing
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Good Weighing Practice™

GWP® is the global weighing standard, ensuring consistent accuracy of weighing processes, applicable to all equipment from any manufacturer. It helps to:

- Chose the appropriate balance or scale
- Calibrate and operate your weighing equipment with security
- Comply with quality and compliance standards in laboratory and manufacturing