

Weight identification

How do I know what OIML Class of weight I have?

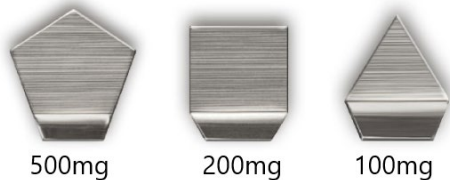
Generally, most weights are easily identifiable using the table below. However, if your weight isn't listed below it can still be calibrated as weights do not have to be calibrated to these specifications. Do contact us for advice and we'll be happy to help.

OIML Class	Nominal value	Material used	Adjustment facility	Markings	OIML Class
E ₁	1g to 50kg	Stainless steel	Solid construction cannot be adjusted if light	None – shaped to identify nominal value	E ₁
E ₁	1mg to 500mg	Stainless steel	Wire and cannot be adjusted if light	None – shaped to identify nominal value	E ₁
E ₂	1g to 1000kg	Stainless steel	Solid construction cannot be adjusted if light	None – shaped to identify nominal value	E ₂
E ₂	10mg to 500mg	Stainless steel, nickel silver, German silver or similar	Flat sheet or wire and cannot be adjusted if light	None – shaped to identify nominal value	E ₂
E ₂	1mg to 5mg	Stainless steel, nickel silver, German silver or similar	Flat sheet or wire and cannot be adjusted if light	None – shaped to identify nominal value	E ₂
F ₁	1g to 5000kg	Stainless steel	Solid construction or a knob that unscrews or similar adjustment cavity	Marked with nominal value e.g. 1kg or 1	F ₁
F ₁	10mg to 500mg	Stainless steel, nickel silver, German silver or similar	Flat sheet or wire and cannot be adjusted if light	None – shaped to identify nominal value	F ₁
F ₁	1mg to 5mg	Stainless steel, nickel silver, German silver or aluminium	Flat sheet or wire and cannot be adjusted if light	None – shaped to identify nominal value	F ₁
F ₂	1g to 5000kg	Stainless steel, or nickel/chromium plated brass.	Solid construction or a knob that unscrews or similar adjustment cavity	Marked with nominal value e.g. 1kg or 1 and F	F ₂
F ₂	10mg to 500mg	Stainless steel, nickel silver, German silver or similar	Flat sheet or wire and cannot be adjusted if light	Marked with nominal value e.g. 100mg or 100, or shaped to identify nominal value	F ₂
F ₂	1mg to 5mg	Stainless steel, nickel silver, German silver or aluminium	Flat sheet or wire and cannot be adjusted if light	Marked with nominal value e.g. 100mg or 100 or shaped to identify nominal value	F ₂

M ₁	20g to 5000kg	Stainless steel, brass or cast iron	Normally have an adjustment cavity – a knob that unscrews or similar adjustment cavity, or a cavity in the top/base.	Marked with nominal value e.g. 1kg and sometimes M	M ₁
M ₁	1g to 10g	Stainless steel, brass or cast iron	Normally solid and cannot be adjusted if light.	Marked with nominal value e.g. 1kg and sometimes M	M ₁
M ₁	1mg to 500mg	Stainless steel, nickel silver, German silver or aluminium	Flat sheet or wire and cannot be adjusted if light	Marked with nominal value e.g. 100mg or 100, or shaped to identify nominal value	M ₁
M ₂	1g to 5000kg	Stainless steel, brass or cast iron	Normally have an adjustment cavity	Marked with nominal value e.g. 1kg and sometimes M ₂	M ₂
M ₂	100mg to 500mg	Stainless steel, nickel silver, German silver or aluminium	Flat sheet or wire. Cannot be adjusted if light	Marked with nominal value e.g. 100mg or 100, or shaped to identify nominal value	M ₂
M ₃	1g to 5000kg	Stainless steel, brass or cast iron	Normally have an adjustment cavity	Marked with nominal value e.g. 1kg and sometimes M ₃ or X	M ₃

Further information can be found in OIML R 111-1: 2004(E), but weights do not have to be manufactured to OIML specifications.

Polygonal flat sheet weights



Polygonal wire weights

