

Certificate

METTLER TOLEDO

Production Certificate of Industrial Weights



The Business Area Weights & Calibration Services of Mettler-Toledo AG confirms, that grip handle and heavy capacity weights (rectangular and cylindrical) in OIML classes F and M are manufactured following the OIML recommendation R 111-1:2004 and are produced according the management system ISO 9001.

Technical specifications

OIML class	F1	F2	M1	M1	M2	M3
Material	Stainless Steel			Cast Iron (Coated)		
Density ρ	7950 kg/m ³ ± 140 kg/m ³			7200 kg/m ³ ± 600 kg/m ³		
Susceptibility χ	< 0.2	< 0.8	n/a	n/a	n/a	n/a
Polarization $\mu_0 M$	< 25 μ T	< 80 μ T	< 250 μ T	< 250 μ T	< 800 μ T	< 2500 μ T
Roughness R_z	< 2.0 μ m	< 2.0 μ m	n/a	n/a	n/a	n/a
Roughness R_a	< 0.4 μ m	< 0.4 μ m	n/a	n/a	n/a	n/a
Adjusting cavity	Yes			Yes		

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