

TEST REPORT CEQ-16-0563-RPR-03

Rev. 0

Issue date: 05/09/2016

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Customer: **P.B.M. SRL - (Pistoia)**

Sample No. 160563

Description: HANDLE
Diam. 25/21 mm
Thickness 0,30 mm

Registration date: 26/08/2016
Testing date(s): 11/10/2016

This Test Report is issued within the Quality Management System of Servindustria Pistoia srl and of his CEQ Laboratory, documented by the Quality Manual and its relevant Procedures. Such a Management System guarantees traceability to carried out measurements to national and international standards of SI measurement units, through a metrological chain originating from first line standards with calibration certificates demonstrating traceability to SI standards, as requested by ISO 9001:2008 (§7.6) and ISO 10012:2003 (§7.3.2) standards.

Copies of the calibration certificates of first line equipment are available upon request.

The reported results have been obtained applying standards and/or technical procedures listed in the following page, and refer only to the equipment/samples submitted to testing, in the status they were at testing time.

Measurement uncertainties eventually declared in this Test Report have been estimated according to EA-04/2 and are expressed as expanded uncertainty, obtained multiplying the composed type uncertainty by a coverage factor $k=2$, which corresponds - in case of normal distribution - to a confidence level of about 95%.

Operator G. Gori

Laboratory Chief: G. Gori

This Test Report has been issued after internal electronic approval and authorization

This Test Reports refers only to the tested sample(s)

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- Design and supply of services for: - Vocational, high, lifelong training and compulsory education - Consultancy on quality management systems - Consultancy on standards and laboratory testing in leather, footwear, textile, wood, furniture and mechanics sectors - Calibration of measuring and testing equipment

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TEST METHOD: DRAW-OFF-STRENGTH OF ATTACHED END-CAP

Description	Handles for blooms and other homeware - Determination draw-off-strength of an attached end-cap
Reference document	Internal method
Test Procedure	PT-LAB-2603

SAMPLING - CONDITIONING

Sampling: Performed by the Customer Conditioning before and during test: $(23\pm 2) ^\circ\text{C}$ / $(50\pm 5)\%$ UR

SPECIMENS

External diameter: 25 mm Wall thickness: 0,30 mm
Material: Steel with polyurethane coating

TEST CONDITIONS

Loading mode: Constant traverse speed Loading speed: 500 mm/min

RESULTS

Specimen	Draw-off-strength		Notes
	Screw (N)	end-cap (N)	
1	908	441	
2	726	521	
3	776	450	
4	768	512	
5	710	429	
Media	778	471	
Min	710	429	
Max	908	521	
Dev.St.	78	43	
CV	10%	9%	

Notes: //

Operator G. Gori

Laboratory Chief: G. Gori

END OF REPORT

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