

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>174047340/GZF/01-02</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>174047340</b>	Seite 1 von 6 Page 1 of 6	
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	18.03.2016		
<b>Prüfgegenstand:</b> <i>Test item:</i>	Drawer slide				
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	Drawer slide / 808-89				
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Mechanical safety test for domestic use and following the parameter "column 2" of Annex C, EN 15338:2007+A1:2010 with client's requirement				
<b>Prüfgrundlage:</b> <i>Test specification:</i>	EN 15338:2007+A1:2010 Hardware for furniture – Strength and durability of extension elements and their components <i>Excluding corrosion &amp; product information system</i>				
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	21.03.2016				
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	A000332202-002				
<b>Prüfzeitraum:</b> <i>Testing period:</i>	01.04.2016 – 06.04.2016				
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Unit 201, NO.7 Caipin Road, Guangzhou, P.R. China				
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Ltd.				
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass				
<b>geprüft von / tested by:</b> <i>Shen</i>			<b>kontrolliert von / reviewed by:</b> <i>Michael</i>		
07.04.2016	Saen Zhang / PE		07.04.2016	Michael Zhang / Reviewer	
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b>					
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
<p>* Legende: 1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft  P(ass) = entspricht o.g. Prüfgrundlage(n)      F(ail) = entspricht nicht o.g. Prüfgrundlage(n)      N/A = nicht anwendbar      N/T = nicht getestet</p> <p>Legend: 1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor  P(ass) = passed a.m. test specification(s)      F(ail) = failed a.m. test specification(s)      N/A = not applicable      N/T = not tested</p>					
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b>  <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>					



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**Liste der verwendeten Prüfmittel**  
**List of used test equipment**

Prüfmittel Test equipment	Prüfmittel-Nr. / ID-Nr. Equipment No. / ID-No.	Nächste Kalibrierung Next calibration
See remark.		

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**Produktbeschreibung**  
**Product description**

1	<b>Produktdetails</b> <i>Product details</i>	See page 6
2	<b>Maße / Gewicht</b> <i>Dimensions / Weight</i>	See page 6
3	<b>Bedienelemente</b> <i>Operating elements</i>	Drawer slide with damper
4	<b>Ausstattung / Zubehör</b> <i>Equipment / Accessories</i>	N/A
5	<b>Verwendete Materialien</b> <i>Used materials</i>	Metal and plastic
6	<b>Sonstiges</b> <i>Other</i>	N/A

Pic. 1: Overview of slides (unextended)



Pic. 2: Overview of slides (extended)



Pic. 3: Overview of drawer for test



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Absatz	EN 15338:2007+A1:2010	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

EN 15338:2007+A1:2010			
1	Scope		
2	Normative references		
3	Terms and definitions		
4	General test conditions		
5	Test apparatus		
6	Test procedures and requirements		
6.1	General		
6.2	Overload tests	Test parameter see Annex C	/
6.2.1	General		
6.2.2	Vertical downwards static overload		P
6.2.3	Horizontal sideways static overload		P
6.2.4	Outwards static overload		P
6.2.5	Slam-shut/open		P
6.3	Functional tests	Test parameter see Annex C	/
6.3.1	General		
6.3.2	Deflection of extension element bottoms		N/A
6.3.3	Deformation of front and back		N/A
6.3.4	Operating forces (M < 40 kg, F ≤ 50 N; M ≥ 40 kg, F ≤ 12.5% M)	F <sub>max. Open</sub> = 29 N F <sub>max. Close</sub> = 32 N	P
6.3.5	1 <sup>st</sup> vertical downwards static load test		P
6.3.6	1 <sup>st</sup> horizontal sideways static load		P
6.3.7	Determination of reference point for the deflection of front		N/A
6.3.8	Durability	Load and test rate used: 40 kg, 8 cycles / min Total: 60,000 cycles (refer to Note #1)	P
6.3.9	Deflection of front (≤4% of n <sub>x</sub> )		N/A
6.3.10	2 <sup>nd</sup> vertical downwards static load		P
6.3.11	2 <sup>nd</sup> horizontal sideways static load		P
6.3.12	Operating forces (M < 40 kg, F ≤ 50 N; M ≥ 40 kg, F ≤ 12.5% M)	F <sub>max. Open</sub> = 31 N F <sub>max. Close</sub> = 34 N	P
6.3.13	Slam-shut/open		P
6.4	Corrosion resistance (EN ISO 6270-2:2005): Requirement: 3 cycles AHT	(refer to Note #2)	N/T
6.5	Test Report		
<b>Annex A</b>	<b>(normative) Product information system</b>		
A.1	General		
A.2	Field of application	(refer to Note #3)	N/T

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A.3	Loading capacity		N/T
A.4	Open stops		N/T
A.5	The maximum height of the front		N/T
A.6	Corrosion test		N/T
A.7	Other information		N/T

**Annex B** (normative) Apparatus for slam-shut/open of extension elements

**Annex C** (normative) Test parameters

Table C.1 — Overload tests

Clause/Test	Unit	Loads and velocities		
		1	2	3
6.2.2 Vertical static overload (max.)	N	200	250	300
6.2.3 Horizontal static overload (max.)	N	100	125	150
6.2.4 Outwards static overload (max.)	N	200		
6.2.5 Slam shut/open				
Factor (using falling mass)	K	2,5		
Calibration velocities (using pneumatic)	m/s	1,0/1,3		

Table C.2 — Functional tests

Clause/Test	Unit	Loads, cycles and velocities		
		1	2	3
6.3.3 Load on front and back (max.)	N	100	200	200
6.3.5 + 6.3.10 Vertical downwards static load (max.)	N	100	150	200
6.3.6 + 6.3.11 Horizontal sideways static load (max.)	N	50	75	100
6.3.7 Durability	cycles	20.000	50.000	80.000 <sup>a</sup>
6.3.12 Slam shut/open				
Factor (using falling mass)	K	1,25		
Calibration velocities (using pneumatic)	m/s	0,5/0,8		

<sup>a</sup> if the loading capacity is > 15 kg: 60.000 cycles

**Note:**

- #1. Additional 10,000 cycles (basic 50,000 cycles) of durability test after full mechanical test were requested by client.
- #2. The corrosion testing was not performed as per client's requirement.
- #3. Product information system should be provided during mass production. See Annex A above.

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**Dimensions:**

Outer dimension

Height: 76 mm  
Width: 450 mm  
Depth: 510 mm  
Front height: 235 mm

Inner dimension

Height: 60 mm  
Width: 423 mm  
Depth: 473 mm  
Extension length (n<sub>x</sub>): 497 mm

Slide

Height: 48 mm  
Width: 50 mm  
Depth: 500 - 772 mm  
Material thickness: Ca. 1/1.5/1.8 mm

(from drawer to cabinet)

Weight of the drawer: 5.06 kg  
Weight of the slide: 2.1 kg  
Loading capacity (M): 40 kg

(one set)

**Remarks:**

- List of used test equipment could be traceable and provided separately upon request.
- Clause(s) with the symbol “/” in the result refers to the result(s) of its sub-clause(s).
- Detailed information regarding measurement uncertainty is available in the test laboratory(s) and could be shown on client request. Deviation report in Simplified Chinese is available on client's request.

\*\*\* End of test report \*\*\*