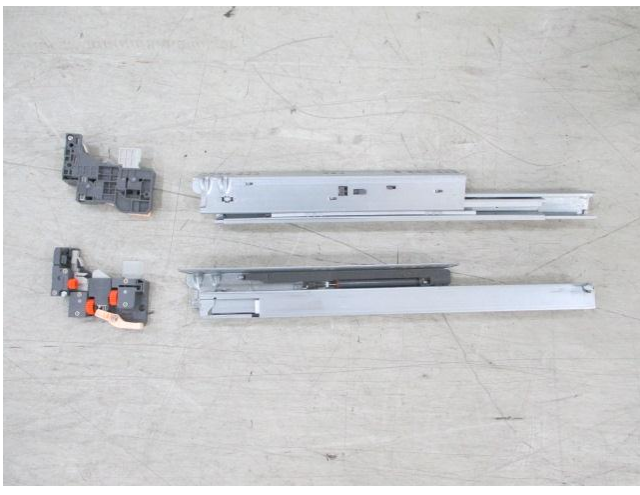




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<b>Kunden-Referenz-Nr.:</b> Client Reference No.:	<b>N/A</b>	<b>Auftragsdatum:</b> Order date:	<b>14.11.2014</b>	
<b>Auftraggeber:</b> Client:	<b>GUANGDONG DONGTAI HARDWARE PRECISION MANUFACTURING CO., LTD.</b> Industry Road, Leliu Port, Leliu, Shunde, Foshan, Guangdong, China			
<b>Prüfgegenstand:</b> Test item:	<b>Drawer slide</b>			
<b>Bezeichnung / Typ-Nr.:</b> Identification / Type No.:	<b>TS10 Series 450mm synchronized full extension undermount slides with locking device - 40KG loading capacity / TS10450H</b>			
<b>Auftrags-Inhalt:</b> Order content:	<b>Partial mechanical safety test for contract use and following the parameter "column 3" of Annex C, EN 15338:2007+A1:2010</b>			
<b>Prüfgrundlage:</b> Test specification:	<b>EN 15338:2007+A1:2010 (clause 6.3.8)</b> <b>Hardware for furniture – Strength and durability of extension elements and their components</b>			
<b>Wareneingangsdatum:</b> Date of receipt:	<b>12.11.2014</b>			
<b>Prüfmuster-Nr.:</b> Test sample No.:	<b>A000131349-001&amp;002</b>			
<b>Prüfzeitraum:</b> Testing period:	<b>17.11.2014 - 24.11.2014</b>			
<b>Ort der Prüfung:</b> Place of testing:	<b>Unit 201, NO.7 Caipin Road, Guangzhou, P.R. China</b>			
<b>Prüflaboratorium:</b> Testing laboratory:	<b>TÜV Rheinland (Guangdong) Ltd.</b>			
<b>Prüfergebnis*:</b> Test result*:	<b>Pass</b>			
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>		
26.11.2014	Kingsley He / TE	26.11.2014	Waley Huang / Reviewer	
<b>Datum</b> Date	<b>Name / Stellung</b> Name / Position	<b>Unterschrift</b> Signature	<b>Datum</b> Date	<b>Name / Stellung</b> Name / Position
				
<b>Sonstiges / Other:</b>				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> Condition of the test item at delivery:		<b>Prüfmuster vollständig und unbeschädigt</b> Test item complete and undamaged		
<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*

[illegible]

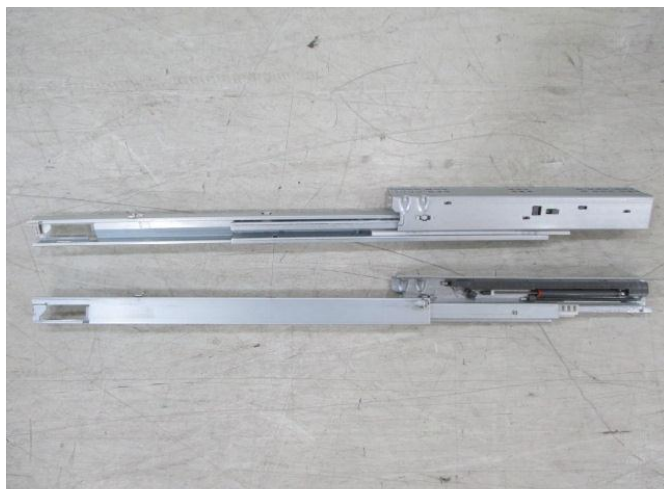
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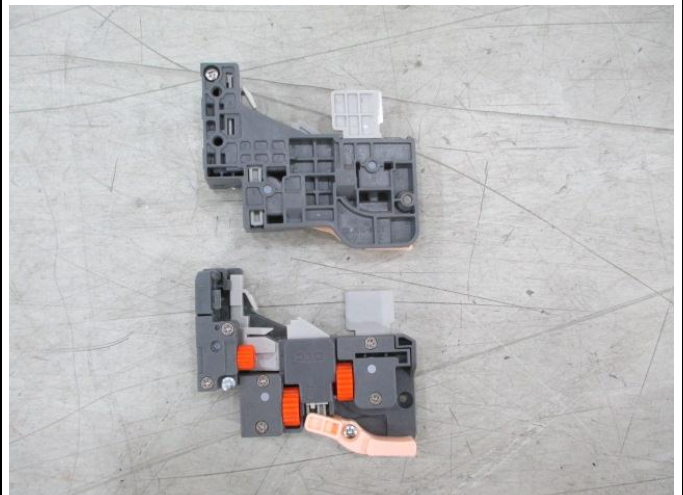
**Produktbeschreibung**  
**Product description**

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: Extended view



Pic. 2: Fixture mechanism



Pic. 3: Drawer for test



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Absatz	EN 15338:2007+A1:2010 (clause 6.3.8)	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

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

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Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

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

<b>Annex B</b>	<b>(normative) Apparatus for slam-shut/open of extension elements</b>		
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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. Only durability test was performed per customer's request.

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Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

**Dimensions:**

Outer dimension of drawer:

Height: 148 mm  
Width: 558 mm  
Depth: 440 mm  
Front height: 200 mm

Inner dimension of drawer:

Height: 123 mm  
Width: 528 mm  
Depth: 410 mm  
Extension length (n<sub>x</sub>): 416 mm

Slide:

Height: 50 mm  
Width: 52 mm  
Depth: 450 - 840 mm  
Material thickness: Ca. 1.0/ 1.5/ 1.7 mm (from upper side to lower side)

Weight of drawer: 7.48 kg  
Weight of the slide: 0.94 kg (one side)  
Loading capacity (M): 40 kg ☒ with catch device

**Remark:**

- 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).
- This test report does not give evidence of the compliance of relevant standard(s) by the submitted sample but only the requested test(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 \*\*\*