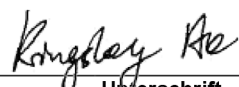
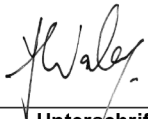


Prüfbericht-Nr.: Test Report No.:	174017862/GZF/01-01	Auftrags-Nr.: Order No.:	174017862	Seite 1 von 5 Page 1 of 5
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	03.01.2014	
Auftraggeber: Client:				
Prüfgegenstand: Test item:	Soft closing hinge			
Bezeichnung / Typ-Nr.: Identification / Type No.:	C80 Series Soft-close (two way, snap-on, cam adjustable) Hinge with Integrated Damper, 155 degree / C80A606F+89H00EQ			
Auftrags-Inhalt: Order content:	Partial mechanical safety test for the domestic use and following the parameter "column 2" of Annex B, EN 15570:2008			
Prüfgrundlage: Test specification:	EN 15570: 2008			

Wareneingangsdatum: Date of receipt:	27.12.2013
Prüfmuster-Nr.: Test sample No.:	A000033288-001~002
Prüfzeitraum: Testing period:	06.01.2014 – 13.0.2014
Ort der Prüfung: Place of testing:	Unit 201, NO.7 Caipin Road, Guang-zhou, P.R. China
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Ltd.
Prüfergebnis*: Test result*:	Pass



geprüft von / tested by:	kontrolliert von / reviewed by:
14.01.2014 Kingsley He / PE 	14.01.2014 Waley Huang / Reviewer 
Datum Name / Stellung Unterschrift <i>Date</i> <i>Name / Position</i> <i>Signature</i>	Datum Name / Stellung Unterschrift <i>Date</i> <i>Name / Position</i> <i>Signature</i>

Sonstiges / Other:

Zustand des Prüfgegenstandes bei Anlieferung: **Prüfmuster vollständig und unbeschädigt**
Condition of the test item at delivery: *Test item complete and undamaged*

* 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
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

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.
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.

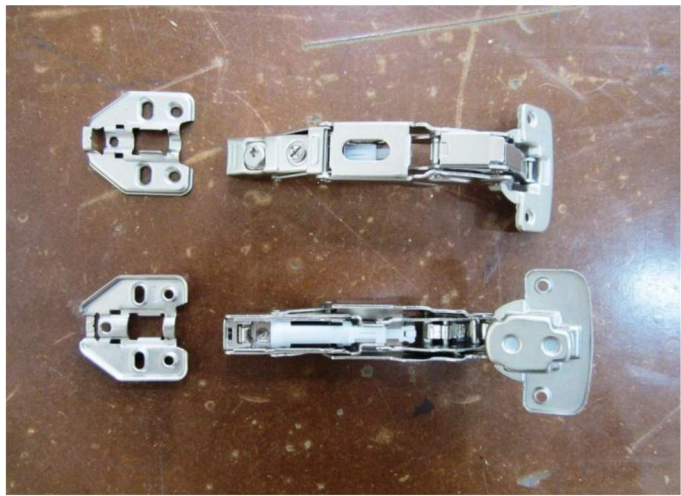
Prüfbericht-Nr.: 174017862/GZF/01-01
Test Report No.:

Seite 3 von 5
Page 3 of 5

Produktbeschreibung
Product description

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

Pic. 1: Overview of hinge (disassembly)



Pic. 2: Overview of door for test



Prüfbericht-Nr.: 174017862/GZF/01-01
Test Report No.:

Seite 4 von 5
 Page 4 of 5

Absatz	EN 15570: 2008	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

1	Scope		
2	Normative references		
3	Terms and definitions		
4	General test conditions		
5	Test apparatus		
6	Test methods and requirements		
6.1	General		/
6.2	Overload tests	Test parameter see Annex B (refer to Note #1)	/
6.2.1	Vertical static overload		N/T
6.2.2	Horizontal static overload		N/T
6.3	Functional tests	Test parameter see Annex B (refer to Note #1)	/
6.3.1	General		
6.3.2	Operating forces		/
6.3.2.1	General		
6.3.2.2	Closing force, hinges with self-closing mechanisms (≥ 0,5 N)		N/T
6.3.2.3	Opening and closing forces (< 20 N)		N/T
6.3.3	1 st vertical static load test		N/T
6.3.4	1 st horizontal static load		N/T
6.3.5	Slam shut		N/T
6.3.6	Determination of referent point for the door sagging		/
6.3.7	Durability (0° to max. 130°)	Load and test rate used: 2kg, 7 cycles/min 40,000 cycles	P
6.3.8	Deflection (sagging) test (≤ 0.5 % of width of the door)		N/T
6.3.9	2 nd vertical static load		N/T
6.3.10	2 nd horizontal static load		N/T
6.4	Corrosion resistance (EN ISO 6270-2) Requirement: 3 cycles AHT	(refer to Note #1)	N/T
7	Test report		
Annex A	(normative) Product Information system	(refer to Note #1)	/
A.1	General		
A.2	Field of application		N/T
A.3	The mass and size of the door		N/T
A.4	Adjustment systems and spring and damper mechanisms		N/T
A.5	Corrosion test		N/T
Annex B	(normative) Test parameter		

Absatz	EN 15570: 2008	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

Table B.2 – Overload tests

Clause / Test	Unit	Loads		
		1	2	3
6.2.1 Vertical static overload	kg	-	20	30
6.2.2 Horizontal static overload	N	-	60	80

Table B.3 – Functional tests

Clause / Test	Unit	Loads and cycles		
		1	2	3
6.3.3 and 6.3.9 Vertical static load	kg	10	15	20
6.3.4 and 6.3.10 Horizontal static load	N	25	30	40
6.3.5 Slam shut (m ₂)	kg	2	3	4
6.3.5 Additional slam shut for doors with dampers (m ₃)	kg	min. 1, max. 2	min. 1, max. 2	min. 1, max. 2
6.3.7 Durability	cycles	20 000	40 000	80 000

Note:

#1. Only the durability test was performed per customer's request.

Dimensions:

<u>Hinge</u>			<u>Door</u>		
Height:	61	mm	Height:	700	mm
Width:	65 - 75	mm	Width:	600	mm
Depth:	80 - 145	mm	Depth:	19	mm
Hinge cup diameter	Ø 34	mm	Weight:	6.64	kg
Weight:	199.3	g			

with damper

Remark:

- 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 ***