

Certificate CN08/31924

SGS

The management system of

# Guangdong Dongtai Hardware Precision Manufacture Co., Ltd.

Unified Social Credit Code: 914406067684237561

Business Registration Address: Industry Road, Leliu Port, Leliu Town, Shunde District, Foshan City, Guangdong Province, P.R. China

Business Operation Address: Industry Road, Leliu Port, Leliu Town, Shunde District, Foshan City, Guangdong Province, P.R. China

has been assessed and certified as meeting the requirements of

**ISO 9001:2015**

For the following activities

Design and manufacture of household hardware accessories including concealed hinges, drawer slides and connecting fittings

This certificate is valid from 22 October 2023 until 21 October 2026 and remains valid subject to satisfactory surveillance audits.

Issue 9. Certified since 22 October 2008

Certified activities performed by additional sites are listed on subsequent pages.

*Jonathan M. Hall*

Authorised by

Jonathan Hall

Global Head - Certification Services

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The certification information can be verified on the web site of Certification and Accreditation Administration of the People's Republic of China  
[www.cnca.gov.cn](http://www.cnca.gov.cn)



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Certificate CN08/31924, continued

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# Guangdong Dongtai Hardware Precision Manufacture Co., Ltd.

ISO 9001:2015

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sites</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Guangdong Dongtai Hardware Precision Manufacture Co., Ltd.<br>Unified Social Credit Code: 914406067684237561<br>Business Registration Address: Industry Road, Leliu Port, Leliu Town, Shunde District, Foshan City, Guangdong Province, P.R. China<br>Business Operation Address: Industry Road, Leliu Port, Leliu Town, Shunde District, Foshan City, Guangdong Province, P.R. China<br>Manufacture of household hardware accessories including concealed hinges, drawer slides and connecting fittings                               |
| Guangdong Dongtai Hardware Precision Manufacture Co., Ltd.<br>Unified Social Credit Code: 914406067684237561<br>Business Registration Address: Industry Road, Leliu Port, Leliu Town, Shunde District, Foshan City, Guangdong Province, P.R. China<br>Business Operation Address: No. 1, He'an Industrial First Road, Dongfeng, Leliu Town, Shunde District, Foshan City, Guangdong Province, P.R. China<br>Design and manufacture of household hardware accessories including concealed hinges, drawer slides and connecting fittings |



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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                                                                     |                                           |                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br>Test report no.:                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>50353939 001</b>                                                                                                               | <b>Auftrags-Nr.:</b><br>Order no.:                                                  | <b>170240070 30</b>                       | Seite 1 von 4<br>Page 1 of 4                                  |
| <b>Kunden-Referenz-Nr.:</b><br>Client reference no.:                                                                                                                                                                                                                                                                                                                                                                                                                | N/A                                                                                                                               | <b>Auftragsdatum:</b><br>Order date:                                                | 2020.03.19                                |                                                               |
| <b>Auftraggeber:</b><br>Client:                                                                                                                                                                                                                                                                                                                                                                                                                                     | GUANGDONG DONGTAI HARDWARE PRECISION MANUFACTURING CO., LTD<br>Industry Road, Leliu Port, Leliu, Shunde, Foshan, Guangdong, China |                                                                                     |                                           |                                                               |
| <b>Prüfgegenstand:</b><br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                                                | C80 SERIES 155° SOFT-CLOSE HINGE                                                                                                  |                                                                                     |                                           |                                                               |
| <b>Bezeichnung / Typ-Nr.:</b><br>Identification / Type no.:                                                                                                                                                                                                                                                                                                                                                                                                         | C80A606F+80T20YQ                                                                                                                  |                                                                                     |                                           |                                                               |
| <b>Auftrags-Inhalt:</b><br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                                           | Durability, test                                                                                                                  |                                                                                     |                                           |                                                               |
| <b>Prüfgrundlage:</b><br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                                        | EN 15570 : 2008 (clause 6.3.7 )                                                                                                   |                                                                                     |                                           |                                                               |
| <b>Wareneingangsdatum:</b><br>Date of sample receipt:                                                                                                                                                                                                                                                                                                                                                                                                               | 2020.03.10                                                                                                                        |  |                                           |                                                               |
| <b>Prüfmuster-Nr.:</b><br>Test sample no.:                                                                                                                                                                                                                                                                                                                                                                                                                          | A001073139 - 001~002                                                                                                              |                                                                                     |                                           |                                                               |
| <b>Prüfzeitraum:</b><br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                                             | 2020.03.11 - 2020.04.08                                                                                                           |                                                                                     |                                           |                                                               |
| <b>Ort der Prüfung:</b><br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                                        | Unit 201, NO.7 Caipin Road, GuangZhou, China                                                                                      |                                                                                     |                                           |                                                               |
| <b>Prüflaboratorium:</b><br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                                                     | TÜV Rheinland (Guangdong) Ltd.                                                                                                    |                                                                                     |                                           |                                                               |
| <b>Prüfergebnis*:</b><br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                                              | Pass                                                                                                                              |                                                                                     |                                           |                                                               |
| <b>geprüft von:</b><br>tested by:                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>X Jon Huang</u><br><small>Signed by: Jon Huang</small>                                                                         |                                                                                     | <b>genehmigt von:</b><br>authorized by:   | <u>X Kingsley He</u><br><small>Signed by: Kingsley He</small> |
| <b>Datum:</b><br>Date:                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2020.04.09                                                                                                                        |                                                                                     | <b>Ausstellatum:</b><br>Issue date:       | 2020.04.09                                                    |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         | Senior Test Engineer                                                                                                              |                                                                                     | <b>Stellung / Position:</b>               | Reviewer                                                      |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                     |                                           |                                                               |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                   |                                                                                     |                                           |                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                   | Prüfmuster vollständig und unbeschädigt<br>Test item complete and undamaged         |                                           |                                                               |
| * Legende:                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 = sehr gut<br>P(ass) = entspricht o.g. Prüfgrundlage(n)                                                                         | 2 = gut<br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)                          | 3 = befriedigend<br>N/A = nicht anwendbar | 4 = ausreichend<br>N/T = nicht getestet                       |
| * Legend:                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 = very good<br>P(ass) = passed a.m. test specification(s)                                                                       | 2 = good<br>F(ail) = failed a.m. test specification(s)                              | 3 = satisfactory<br>N/A = not applicable  | 4 = sufficient<br>N/T = not tested                            |
| <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><br/> <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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**Prüfbericht-Nr.: 50353939 001**  
Test report no.:

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**Anmerkungen**  
Remarks

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>                                                                         |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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Test report no.:

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**Produktbeschreibung**  
Product description

|   |                                                            |                                                                                                                                                      |
|---|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Produktdetails</b><br>Product details                   | C80 SERIES 155° SOFT-CLOSE HINGE                                                                                                                     |
| 2 | <b>Maße / Gewicht</b><br>Dimensions / Weight               | H x W x D: 62 x 64~68 x 96~169 mm,<br>Weight: 425.2 g                                                                                                |
| 3 | <b>Bedienelemente</b><br>Operating elements                | Hinge                                                                                                                                                |
| 4 | <b>Ausstattung / Zubehör</b><br>Equipment / Accessories    | N/A                                                                                                                                                  |
| 5 | <b>Verwendete Materialien</b><br>Used materials            | Metal, plastic                                                                                                                                       |
| 6 | <b>Sonstiges</b><br>Other                                  | Hinge cup diameter: Ø35mm                                                                                                                            |
| 7 | <b>Prüfmusterbereitstellung:</b><br>Test sample obtaining: | <input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group<br><input type="checkbox"/> others: |

Pic 1: Overview of hinge



Pic 2: Overview of hinge



| <b>Prüfbericht-Nr.: 50353939 001</b><br><i>Test report no.:</i> |                                                                   |                                                                                       | Seite 4 von 4<br>Page 4 of 4     |
|-----------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|
| <b>Absatz</b><br><i>Clause</i>                                  | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse –</b><br><b>Bemerkungen /</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |

|                                                                                                                                           |                                      |                                                                                        |   |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------|---|
| <b>EN 15570:2008</b> Hardware for furniture – Strength and durability of hinges and their components – Hinges pivoting on a vertical axis |                                      |                                                                                        |   |
| <b>6</b>                                                                                                                                  | <b>Test methods and requirements</b> |                                                                                        |   |
| 6.3.7                                                                                                                                     | Durability,                          | Load and test rate used:<br><br>2 x 1kg<br>Total: 80,000cycles<br><br>No function loss | P |

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                               |                                                                                                                              |                                 |                                           |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|----------------------------------|
| <b>Prüfbericht-Nr.:</b><br>Test Report No.:                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>174050967/GZF/01-01</b>                                                                                                                    | <b>Auftrags-Nr.:</b><br>Order No.:                                                                                           | <b>174050967</b>                | Seite 1 von 4<br>Page 1 of 4              |                                  |
| <b>Kunden-Referenz-Nr.:</b><br>Client Reference No.:                                                                                                                                                                                                                                                                                                                                                                                                                | <b>N/A</b>                                                                                                                                    | <b>Auftragsdatum:</b><br>Order date:                                                                                         | <b>03.06.2016</b>               |                                           |                                  |
| <b>Auftraggeber:</b><br>Client:                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>GUANGDONG DONGTAI HARDWARE PRECISION MANUFACTURING CO., LTD</b><br>Industry Road, Leliu Port, Leliu, Shunde, Foshan, Guangdong, P.R. China |                                                                                                                              |                                 |                                           |                                  |
| <b>Prüfgegenstand:</b><br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Hinge</b>                                                                                                                                  |                                                                                                                              |                                 |                                           |                                  |
| <b>Bezeichnung / Typ-Nr.:</b><br>Identification / Type No.:                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Hinge / C80A676F</b>                                                                                                                       |                                                                                                                              |                                 |                                           |                                  |
| <b>Auftrags-Inhalt:</b><br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Partial mechanical safety test according to client's requirement</b>                                                                       |                                                                                                                              |                                 |                                           |                                  |
| <b>Prüfgrundlage:</b><br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>EN ISO 6270-2 (3 cycles AHT)</b>                                                                                                           |                                                                                                                              |                                 |                                           |                                  |
| <b>Wareneingangsdatum:</b><br>Date of receipt:                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>02.06.2016</b>                                                                                                                             |                                           |                                 |                                           |                                  |
| <b>Prüfmuster-Nr.:</b><br>Test sample No.:                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>A000371436-001</b>                                                                                                                         |                                                                                                                              |                                 |                                           |                                  |
| <b>Prüfzeitraum:</b><br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>04.06.2016 – 08.06.2016</b>                                                                                                                |                                                                                                                              |                                 |                                           |                                  |
| <b>Ort der Prüfung:</b><br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Unit 201, NO.7 Caipin Road, Guang-zhou, P.R. China</b>                                                                                     |                                                                                                                              |                                 |                                           |                                  |
| <b>Prüflaboratorium:</b><br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>TÜV Rheinland (Guangdong) Ltd.</b>                                                                                                         |                                                                                                                              |                                 |                                           |                                  |
| <b>Prüfergebnis*:</b><br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Pass</b>                                                                                                                                   |                                                                                                                              |                                 |                                           |                                  |
| <b>geprüft von / tested by:</b>                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                               | <b>kontrolliert von / reviewed by:</b>  |                                 |                                           |                                  |
| <b>16.06.2016</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Saen Zhang / PE</b>                                                                                                                        | <b>16.06.2016</b>                                                                                                            | <b>Michael Zhang / Reviewer</b> |                                           |                                  |
| <b>Datum</b><br>Date                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Name / Stellung</b><br>Name / Position                                                                                                     | <b>Unterschrift</b><br>Signature                                                                                             | <b>Datum</b><br>Date            | <b>Name / Stellung</b><br>Name / Position | <b>Unterschrift</b><br>Signature |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                               |                                                                                                                              |                                 |                                           |                                  |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                               | <b>Prüfmuster vollständig und unbeschädigt</b><br>Test item complete and undamaged                                           |                                 |                                           |                                  |
| <p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft<br/> 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<br/> 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><br/> <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> |                                                                                                                                               |                                                                                                                              |                                 |                                           |                                  |

V04

**Prüfbericht-Nr.: 174050967/GZF/01-01**  
*Test Report No.:*

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

[illegible]

Prüfbericht-Nr.: 174050967/GZF/01-01  
Test Report No.:

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**Produktbeschreibung**  
**Product description**

|          |                                                                |                           |
|----------|----------------------------------------------------------------|---------------------------|
| <b>1</b> | <b>Produktdetails</b><br><i>Product details</i>                | N/A                       |
| <b>2</b> | <b>Maße / Gewicht</b><br><i>Dimensions / Weight</i>            | 116 X 62 X 25 mm / 77.5 g |
| <b>3</b> | <b>Bedienelemente</b><br><i>Operating elements</i>             | N/A                       |
| <b>4</b> | <b>Ausstattung / Zubehör</b><br><i>Equipment / Accessories</i> | N/A                       |
| <b>5</b> | <b>Verwendete Materialien</b><br><i>Used materials</i>         | Metal and plastic         |
| <b>6</b> | <b>Sonstiges</b><br><i>Other</i>                               | N/A                       |

Pic. 1: Overview of hinge (Before test)



Pic. 2: Overview of hinge (After test)



**Prüfbericht-Nr.: 174050967/GZF/01-01**  
**Test Report No.:**

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|        |                                                  |                              |            |
|--------|--------------------------------------------------|------------------------------|------------|
| Absatz | <b>EN ISO 6270-2 (3 cycles AHT)</b>              | Messergebnisse - Bemerkungen | Bewertung  |
| Clause | Anforderungen - Prüfungen / Requirements - Tests | Measuring results - Remarks  | Evaluation |

**EN ISO 6270-2:** Paints and varnishes  
Determination of resistance to humidity  
Part 2: Procedure for exposing test specimens in condensation-water atmospheres

|       |                                                                                 |          |             |
|-------|---------------------------------------------------------------------------------|----------|-------------|
| 6.4.3 | Condensation atmospheres with alternation of humidity and air temperature (AHT) | 3 cycles | <b>PASS</b> |
|-------|---------------------------------------------------------------------------------|----------|-------------|

**Table 1 — Condensation test atmospheres**

| Test atmosphere                           |      | Cycle duration                                                    |       | Conditions in working chamber after reaching equilibrium |                                                   |
|-------------------------------------------|------|-------------------------------------------------------------------|-------|----------------------------------------------------------|---------------------------------------------------|
| Type                                      | Code | Test period(s)                                                    | Total | Air temperature                                          | Relative humidity                                 |
| Constant-humidity condensation atmosphere | CH   | From warm-up to end of exposure                                   |       | (40 ± 3) °C                                              | Approx. 100 % with condensation on test specimens |
| Alternating condensation atmosphere       | AHT  | 8 h including warm-up                                             | 24 h  | (40 ± 3) °C                                              | Approx. 100 % with condensation on test specimens |
|                                           |      | 16 h including cooling down (climatic chamber open or ventilated) |       | 18 °C to 28 °C                                           | Approaching ambient                               |
|                                           | AT   | 8 h including warm-up                                             | 24 h  | (40 ± 3) °C                                              | Approx. 100 % with condensation on test specimens |
|                                           |      | 16 h including cooling down (climatic chamber closed)             |       | 18 °C to 28 °C                                           | Approx. 100 % (≈ saturated)                       |

**NOTE** Set points and operational fluctuations can either be listed independently of each other, or they can be listed in the format "set point ± operational fluctuations". The set point is the target condition for the sensor used at the operational control point as programmed by the user. Operational fluctuations are deviations from the set point at the control point as indicated by the readout of the calibrated control sensor during equilibrium operation and do not include measurement uncertainty. At the operational control point, the operational fluctuation may not exceed the listed value at equilibrium. When a standard calls for a particular set point, the user programmes that exact number. The operational fluctuations specified for the set point do not imply that the user is allowed to programme a set point higher or lower than the exact set point specified.

**Note:**

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

**Remark:**

- List of used test equipment could be traceable and provided separately upon request.
- 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 \*\*\*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                          |                                                                                     |                                                                            |                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------|
| <b>Prüfbericht-Nr.:</b><br>Test report no.:                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>CN239DXI 001</b>                                                                                                                      | <b>Auftrags-Nr.:</b><br>Order no.:                                                  | <b>170349080 10</b>                                                        | Seite 1 von 4<br>Page 1 of 4                    |
| <b>Kunden-Referenz-Nr.:</b><br>Client reference no.:                                                                                                                                                                                                                                                                                                                                                                                                                | <b>N/A</b>                                                                                                                               | <b>Auftragsdatum:</b><br>Order date:                                                | <b>2023.07.28</b>                                                          |                                                 |
| <b>Auftraggeber:</b><br>Client:                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Guangdong Dongtai Hardware Precision Manufacturing Co., Ltd<br/>2, He An Industry Rd.1, Dongfeng, Leliu, Shunde, Guangdong, China</b> |                                                                                     |                                                                            |                                                 |
| <b>Prüfgegenstand:</b><br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>C82 SERIES 110° ANYWAY SNAP-ON CAM-ADJUSTABLE SOFT-CLOSE HINGES</b>                                                                   |                                                                                     |                                                                            |                                                 |
| <b>Bezeichnung / Typ-Nr.:</b><br>Identification / Type no.:                                                                                                                                                                                                                                                                                                                                                                                                         | <b>C82A676FA+82T00TQ</b>                                                                                                                 |                                                                                     |                                                                            |                                                 |
| <b>Auftrags-Inhalt:</b><br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Mechanical safety test with client's requirement</b>                                                                                  |                                                                                     |                                                                            |                                                 |
| <b>Prüfgrundlage:</b><br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>EN 15570: 2008 (cl.6.3.7)</b>                                                                                                         |                                                                                     |                                                                            |                                                 |
| <b>Wareneingangsdatum:</b><br>Date of sample receipt:                                                                                                                                                                                                                                                                                                                                                                                                               | <b>2023.07.28</b>                                                                                                                        |  |                                                                            |                                                 |
| <b>Prüfmuster-Nr.:</b><br>Test sample no.:                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>A003526826-001</b>                                                                                                                    |                                                                                     |                                                                            |                                                 |
| <b>Prüfzeitraum:</b><br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>2023.07.28 – 2023.08.11</b>                                                                                                           |                                                                                     |                                                                            |                                                 |
| <b>Ort der Prüfung:</b><br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Unit A01-02, No.11 Nanyun<br/>5 Rd, GuangZhou, China</b>                                                                              |                                                                                     |                                                                            |                                                 |
| <b>Prüflaboratorium:</b><br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>TÜV Rheinland<br/>(Guangdong) Ltd.</b>                                                                                                |                                                                                     |                                                                            |                                                 |
| <b>Prüfergebnis*:</b><br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Pass</b>                                                                                                                              |                                                                                     |                                                                            |                                                 |
| <b>geprüft von:</b><br>tested by:                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>X Jon Huang</b>                                                                                                                       |                                                                                     | <b>genehmigt von:</b><br>authorized by:                                    | <b>X Kingsley He</b>                            |
| <b>Datum:</b><br>Date: 2023.08.11                                                                                                                                                                                                                                                                                                                                                                                                                                   | Signed by: Jon Huang                                                                                                                     |                                                                                     | <b>Ausstellatum:</b><br>Issue date: 2023.08.11                             | Signed by: Kingsley He                          |
| <b>Stellung / Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Test Engineer</b>                                                                                                                     | <b>Stellung / Position:</b>                                                         | <b>Reviewer</b>                                                            |                                                 |
| <b>Sonstiges / Other:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                          |                                                                                     |                                                                            |                                                 |
| <b>Zustand des Prüfgegenstandes bei Anlieferung:</b><br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                          | <b>Prüfmuster vollständig und unbeschädigt</b><br>Test item complete and undamaged  |                                                                            |                                                 |
| <b>* Legende:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>1 = sehr gut</b><br>P(ass) = entspricht o.g. Prüfgrundlage(n)                                                                         | <b>2 = gut</b><br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)                   | <b>3 = befriedigend</b><br>F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | <b>4 = ausreichend</b><br>N/A = nicht anwendbar |
| <b>* Legend:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>1 = very good</b><br>P(ass) = passed a.m. test specification(s)                                                                       | <b>2 = good</b><br>F(ail) = failed a.m. test specification(s)                       | <b>3 = satisfactory</b><br>F(ail) = failed a.m. test specification(s)      | <b>4 = sufficient</b><br>N/A = not applicable   |
| <b>5 = mangelhaft</b><br>N/T = nicht getestet                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                          |                                                                                     |                                                                            |                                                 |
| <b>5 = poor</b><br>N/T = not tested                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                          |                                                                                     |                                                                            |                                                 |
| <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><br/> <b>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.</b></p> |                                                                                                                                          |                                                                                     |                                                                            |                                                 |

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**Anmerkungen**  
*Remarks*

- |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.<br/>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>                                                                            |
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| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.<br/>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.<br/>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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**Produktbeschreibung**  
Product description

|   |                                                            |                                                                                                                                                      |
|---|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Produktdetails</b><br>Product details                   | C82 SERIES 110° ANYWAY SNAP-ON CAM-ADJUSTABLE SOFT-CLOSE HINGES                                                                                      |
| 2 | <b>Maße / Gewicht</b><br>Dimensions / Weight               | H x W x D: 64 x 83~120 x 27~38 mm,<br>Weight: 94 g                                                                                                   |
| 3 | <b>Bedienelemente</b><br>Operating elements                | Hinge with damper                                                                                                                                    |
| 4 | <b>Ausstattung / Zubehör</b><br>Equipment / Accessories    | N/A                                                                                                                                                  |
| 5 | <b>Verwendete Materialien</b><br>Used materials            | Metal and plastic                                                                                                                                    |
| 6 | <b>Sonstiges</b><br>Other                                  | Door dimensions: 600 x 700 x 20 mm    Weight :5.43 kg                                                                                                |
| 7 | <b>Prüfmusterbereitstellung:</b><br>Test sample obtaining: | <input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TÜV Rheinland Group<br><input type="checkbox"/> others: |

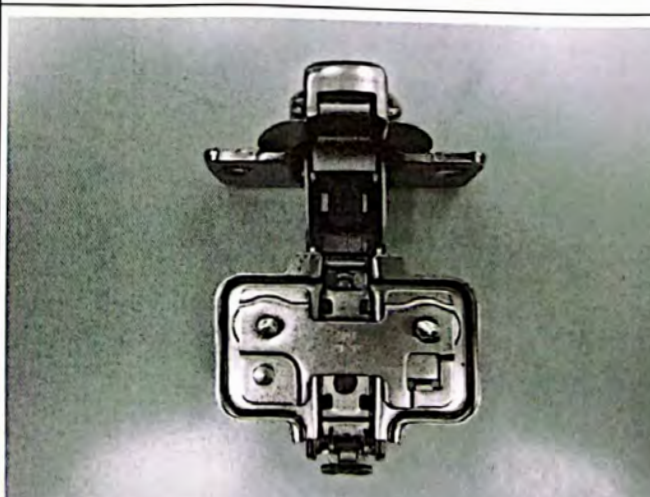
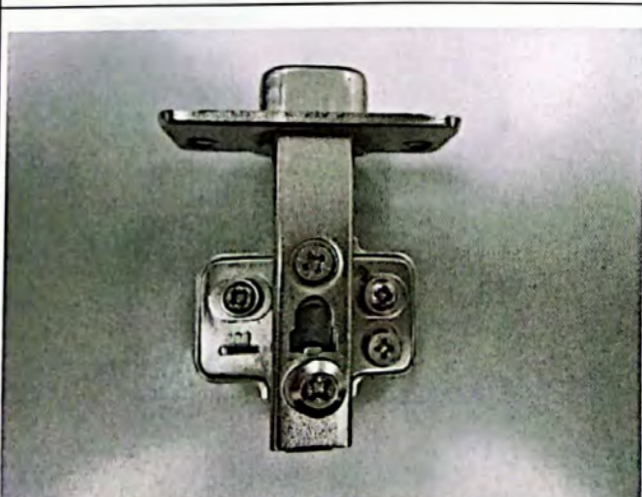
Pic. 1: Overview of hinge



Pic. 2: Overview of hinge



Pic. 3: Door



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|-----------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|
| <b>Absatz</b><br><i>Clause</i>                                  | <b>Anforderungen - Prüfungen /</b><br><i>Requirements - Tests</i> | <b>Messergebnisse –</b><br><b>Bemerkungen /</b><br><i>Measuring results - Remarks</i> | <b>Ergebnis</b><br><i>Result</i> |

|                                                                                                                                           |                                   |                                                                  |          |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------|----------|
| <b>EN 15570:2008</b> Hardware for furniture – Strength and durability of hinges and their components – Hinges pivoting on a vertical axis |                                   |                                                                  |          |
| 6.3.7                                                                                                                                     | Durability<br>(0 ° to max. 130 °) | Load and test rate used :<br>2 kg, 8 cycles/min<br>80,000 cycles | <b>P</b> |

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