

Prüfbericht-Nr.: Test report no.:	CN25WDDE 001	Auftrags-Nr.: Order no.:	170417118	Seite 1 von 16 Page 1 of 16
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2025-04-17	
Auftraggeber: Client:	Guangdong Wireking Household Products Co.,Ltd No.12, Zhi'an North Road, Jun'an, Shunde, Foshan, Guangdong, China			
Prüfgegenstand: Test item:	Step stool			
Bezeichnung / Typ-Nr.: Identification / Type no.:	WK3006D-2F, WK3006D-2, WK3006D-3F, WK3006D-3, WK3006D-4F, WK2003B-2, WK2003B-3, WK2003B-4F, WK3003C-2, WK3003C-3			
Auftrags-Inhalt: Order content:	AK certificate			
Prüfgrundlage: Test specification:	EN 14183:2003			
Wareneingangsdatum: Date of sample receipt:	2025-04-17			
Prüfmuster-Nr.: Test sample no.:	A003967740-001~010			
Prüfzeitraum: Testing period:	2025-04-17 - 2025-06-03			
Ort der Prüfung: Place of testing:	No.199 Kezhu Road, Guangzhou, China			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (GuangDong) Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	2025.06.0	genehmigt von: authorized by:	2025.06.03	
Datum: Date:	2025-06-03	Ausstellungsdatum: Issue date:	2025-06-03	
Stellung / Position:	Mark Zeng / Engineer	Stellung / Position:	Jason Ding/ Authorizer	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 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. <i>This test report only relates to the above mentioned 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>				

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Anmerkungen
Remarks

1	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. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <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>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Produktbeschreibung
Product description

1	Produktdetails Product details	Step stool
2	Maße / Gewicht Dimensions / Weight	WK3006D-2: 410 mm x 485 mm x 655 mm / 2.25 kg WK3006D-2F: 410 mm x 485 mm x 775 mm / 2.42 kg WK3006D-3: 410 mm x 640 mm x 874 mm / 2.95 kg WK3006D-3F: 410 mm x 640 mm x 995 mm / 3.13 kg WK3006D-4F: 410 mm x 792 mm x 1215 mm / 3.98 kg WK2003B-2: 402 mm x 485 mm x 655 mm / 3.30 kg WK2003B-3: 402 mm x 640 mm x 874 mm / 4.35 kg WK2003B-4F: 402 mm x 790 mm x 1215 mm / 5.84 kg WK3003C-2: 446 mm x 498 mm x 665 mm / 2.98 kg WK3003C-3: 446 mm x 652 mm x 890 mm / 3.94 kg
3	Bedienelemente Operating elements	N/A
4	Ausstattung / Zubehör Equipment / Accessories	N/A
5	Verwendete Materialien Used materials	Metal and plastic
6	Sonstiges Other	Test sample(s), as well sample information, description, product details and intended usage was provided by customer.
7	Prüfmusterbereitstellung: Test sample obtaining	☒ Sending by customer ☐ Sampling by TÜV Rheinland Group ☐ others:

Product photos



WK3006D-2



WK3006D-2F

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Produktbeschreibung
Product description



WK3006D-3



WK3006D-3F



WK3006D-4F



WK2003B-2



WK2003B-3



WK2003B-4F

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Produktbeschreibung
Product description



WK3003C-2



WK3003C-3

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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
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1	Scope This European Standard specifies the requirements for step stools, stairtype steps and dometype steps stools. This includes design characteristics, dimensions, materials, performance requirements, test methods and the declaration of suitability of use. The standard excludes ladders and stepladders as defined by EN 131-1:1993. The requirements are based upon the maximum total load of 150 kg.																																																																																					
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3	Terms and definitions																																																																																					
4	Functional dimensions, designations, requirements																																																																																					
4.1	General The drawings are examples only and products need not correspond. However, dimensions are binding. Step stools shall only be fitted with steps that are uniformly spaced to within a tolerance of ± 2 mm. If the top surface is less than 240 mm x 400 mm, the step stool or stair type steps with a height of more than 750 mm shall have a handrail. All types of products covered by this standard may be fitted with castors and wheels. <table><caption>Table 1 — Nomenclature and symbols</caption><tr><td rowspan="6">Symbols</td><td>A</td><td>Step stool with fixed legs</td></tr><tr><td>B</td><td>Step stool with folding legs that are braced when in use</td></tr><tr><td>C</td><td>Stair type steps</td></tr><tr><td>D</td><td>Step stool with fold-out steps</td></tr><tr><td>E</td><td>Step stool with pull-out steps</td></tr><tr><td>F</td><td>Dome type step stool</td></tr><tr><td rowspan="11">Quantities</td><td>h</td><td>Height from the floor to the top surface of the platform or seat</td></tr><tr><td>a</td><td>Height from the floor to the top surface of the lowest step and between the top surfaces of subsequent steps, platform or seat</td></tr><tr><td>b₁</td><td>Width of platform or seat</td></tr><tr><td>b₂</td><td>Width across the outer edges of legs at floor level</td></tr><tr><td>b₃</td><td>Width of each step</td></tr><tr><td>b₅</td><td>Depth of platform or seat</td></tr><tr><td>b₆</td><td>Depth across the outer edges of the legs at floor level</td></tr><tr><td>b₇</td><td>Depth of all steps</td></tr><tr><td>b₈</td><td>Depth of stair type step stools</td></tr><tr><td>α</td><td>Angle between the horizontal and the leading edges of all climbing supports.</td></tr><tr><td>β</td><td>Angle between the horizontal and an imaginary line drawn between the rear edge of the rear legs at floor level and the rear edge of the platform or seat.</td></tr></table> <table><caption>Table 2 — Functional dimensions for all types of step stools</caption><tr><th colspan="12">Dimensions in millimetres</th></tr><tr><th></th><th>h</th><th>a</th><th>b₁</th><th>b₂</th><th>b₃</th><th>b₅</th><th>b₆</th><th>b₇</th><th>b₈</th><th>α</th><th>β</th></tr><tr><td>min.</td><td>—</td><td>—</td><td>300</td><td>b₁ + 0,1 h</td><td>250</td><td>200</td><td>b₅ + 0,1 h</td><td>80</td><td>150</td><td>45°</td><td>45°</td></tr><tr><td>max.</td><td>1 000^a</td><td>250</td><td>—</td><td>—</td><td>—</td><td>600</td><td>—</td><td>—</td><td>—</td><td>70°^b</td><td>87°</td></tr></table> ^a 500 mm for dome type step stools ^b 80° for heights < 500 mm	Symbols	A	Step stool with fixed legs	B	Step stool with folding legs that are braced when in use	C	Stair type steps	D	Step stool with fold-out steps	E	Step stool with pull-out steps	F	Dome type step stool	Quantities	h	Height from the floor to the top surface of the platform or seat	a	Height from the floor to the top surface of the lowest step and between the top surfaces of subsequent steps, platform or seat	b ₁	Width of platform or seat	b ₂	Width across the outer edges of legs at floor level	b ₃	Width of each step	b ₅	Depth of platform or seat	b ₆	Depth across the outer edges of the legs at floor level	b ₇	Depth of all steps	b ₈	Depth of stair type step stools	α	Angle between the horizontal and the leading edges of all climbing supports.	β	Angle between the horizontal and an imaginary line drawn between the rear edge of the rear legs at floor level and the rear edge of the platform or seat.	Dimensions in millimetres													h	a	b ₁	b ₂	b ₃	b ₅	b ₆	b ₇	b ₈	α	β	min.	—	—	300	b ₁ + 0,1 h	250	200	b ₅ + 0,1 h	80	150	45°	45°	max.	1 000 ^a	250	—	—	—	600	—	—	—	70° ^b	87°	P ☒ F ☐ N/A ☐ N/T ☐
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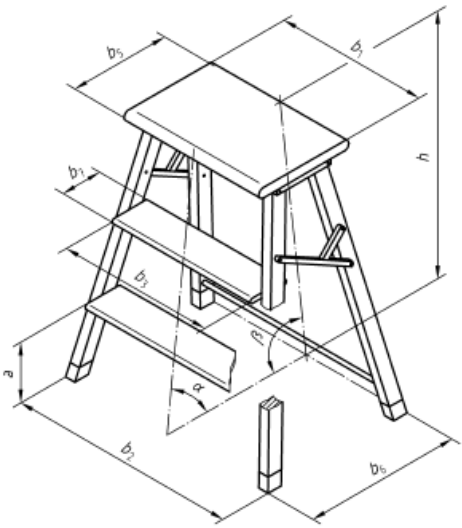
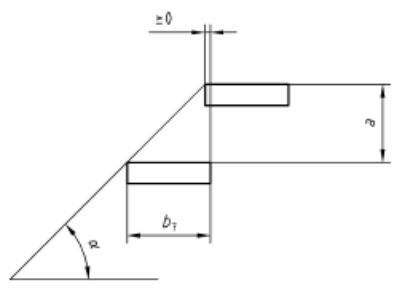
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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests						Messergebnisse – Bemerkungen/ Measuring results - Remarks				Ergebnis Result	
		h	a	b1	b2	b3	b5	b6	b7	α	β	
	WK3006D-2	445	223	300	410/410	300	200	485	100	67.2°	77.5°	
	WK3006D-2F	445	223	300	410/410	300	200	485	100	67.2°	77.5°	
	WK3006D-3	663	221	300	410/410	300	200	640	100	67.2°	77°	
	WK3006D-3F	663	221	300	410/410	300	200	640	100	67.2°	77°	
	WK3006D-4F	885	221	300	410/410	300	200	792	100	67.2°	76.5°	
	WK2003B-2	445	223	300	402/402	300	200	485	100	67.2°	77.5°	
	WK2003B-3	663	221	300	402/402	300	200	640	100	67.2°	77.5°	
	WK2003B-4F	885	221	300	402/402	300	200	790	100	67.2°	76.8°	
	WK3003C-2	446	223	308	446/446	308	230	498	116	67.5°	79.8°	
WK3003C-3	670	224	308	446/446	308	230	652	116	67.5°	78.4°		
4.2	Step stool with fixed or folding legs There shall be no gap between the projection of the steps to the ground (see Figure 1b). Designation of a step stool with fixed legs (A) with three steps: Step stool EN 14183 — A—3 Designation of a step stool with folding legs that are braced when in use (B) with three steps: Step stool EN 14183 — B—3						For all models: Fulfilled.				P ☒ F ☐ N/A ☐ N/T ☐	

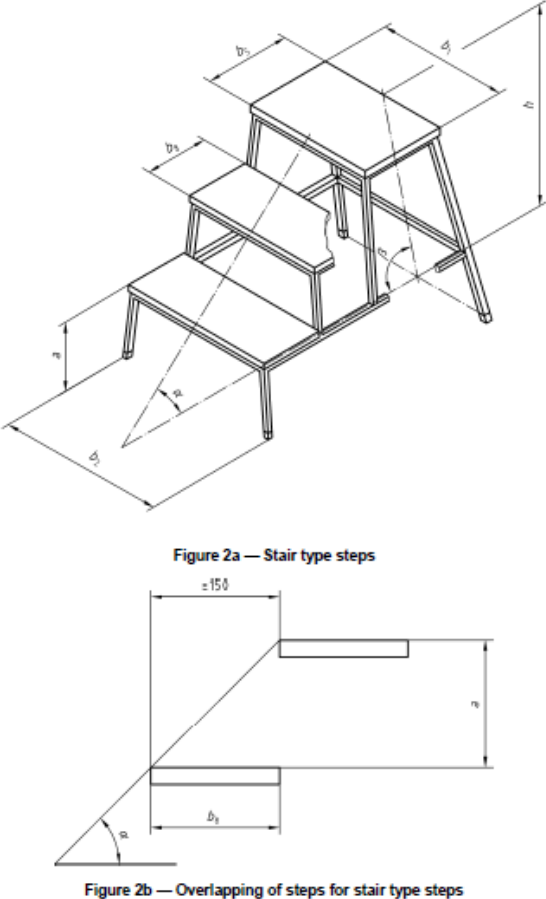
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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
	 Figure 1a — Step stool with fixed or folding legs  Figure 1b — Overlapping of steps for step stools		
4.3	Rigid or folding stair type steps There shall be a minimum of 150 mm not overlapping distance between the steps (see Figure 2b). Designation of stair type steps (C) with three steps: Step stool EN 14183 — C—3	For all models: Not rigid or folding stair type steps.	P ☐ F ☐ N/A ☒ N/T ☐

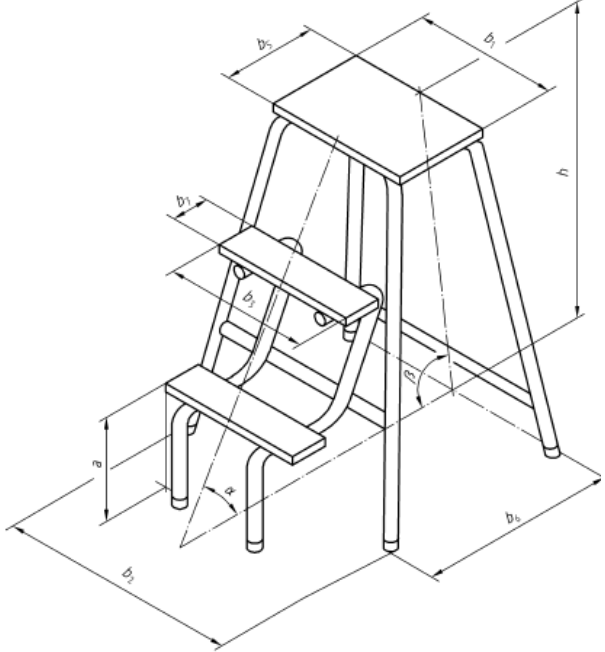
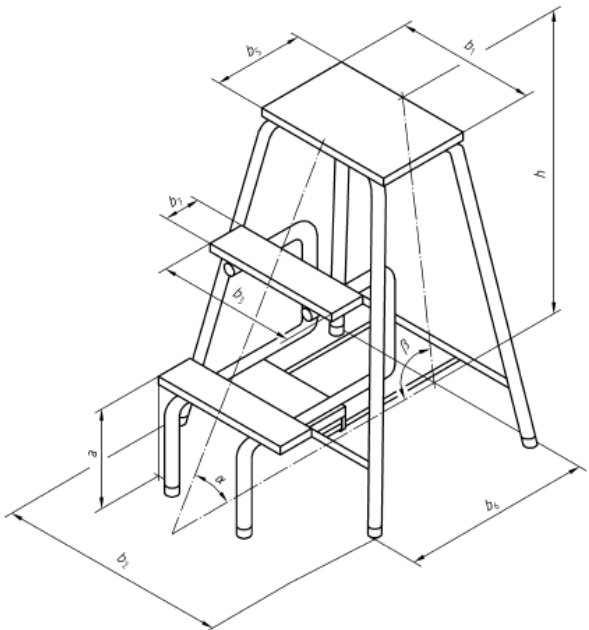
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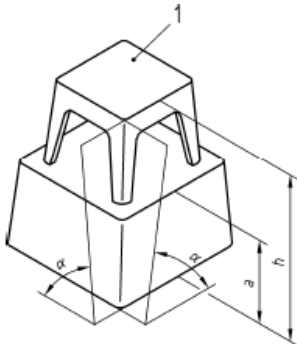
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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
	 Figure 2a — Stair type steps Figure 2b — Overlapping of steps for stair type steps		
4.4	Fold-out/pull-out step stool Designation of a step stool with fold-out steps (D) with three steps: Step stool EN 14183 — D—3	For all models: Not fold-out/pull-out step stool.	P ☐ F ☐ N/A ☒ N/T ☐

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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
	 Figure 3 — Step stool with fold-out steps Designation of a step stool with pull-out steps (E) with three steps: Step stool EN 14183 — E—3  Figure 4 — Step stool with pull-out steps		

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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
4.5	Dome type step stool The platform shall have a minimum area of 600 cm ² and shall include a square of 200 mm × 200 mm. Designation of a dome type step stool (F): Step stool EN 14183 — F  Key 1 Top platform Figure 5 — Dome type step stool	For all models: Not dome type step stool.	P ☐ F ☐ N/A ☒ N/T ☐
5	Additional requirements		
5.1	Materials		
5.1.1	General The requirements for materials only apply to load-bearing components.		
5.1.2	Plastic When using plastic materials, ageing and temperature resistance have to be taken into account. Glass-fibre reinforced plastics shall be protected against penetration of water and dirt. The surface shall be smooth. The fibres shall be embedded.	For all models: Provided the ageing report.	P ☒ F ☐ N/A ☐ N/T ☐
5.1.3	Steel Parts made of steel shall have a thickness of at least 0,90 mm.	For all models: Fulfilled.	P ☒ F ☐ N/A ☐ N/T ☐
5.1.4	Aluminium Parts made of aluminium shall have a thickness of at least 1,20 mm.	For all models: Fulfilled.	P ☒ F ☐ N/A ☐ N/T ☐
5.2	Steps and platforms Top surfaces of steps and platforms shall have resistance against slipping. The contact surface of the coverings shall adhere firmly to the steps.	For all models: Fulfilled.	P ☒ F ☐ N/A ☐ N/T ☐

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	Steps and platforms shall be firmly and durably connected to the stiles. When loaded as specified in 6.2, the platform and the steps shall show no signs of damage, such as fractures, or cracks.		
5.3	Slip resistance		
5.3.1	Feet or bottom end of stiles Feet or bottom ends of stiles shall be soled with a slip resistant material (e. g. rubber). Requirements of 5.3 are considered to be met if successfully tested according to 6.3	For all models: Bottom-ends of the product are antiskid with plastic feet cover.	P ☒ F ☐ N/A ☐ N/T ☐
5.3.2	Rollers and wheels Where rollers or wheels are fitted, step stools and rigid steps shall be designed so as to prevent any accidental displacement when loaded. Rollers shall either be automatically locked or automatically disabled once the step stool or rigid steps are loaded.	For all models: No rollers and wheels.	P ☐ F ☐ N/A ☒ N/T ☐
5.4	Opening restraint and compression security devices Step stools and stair type steps shall be prevented from unintended folding when deployed for use.	For all models: Checked ok.	P ☒ F ☐ N/A ☐ N/T ☐
5.5	Design Finger traps (shearing points) shall be avoided as far as possible. All connections shall be durable and have a strength corresponding to the strain. The connections shall be designed in a manner that arising notch tensions remain low. Screws and nuts shall be secured against self-acting slackening, e. g. by means of safety devices with a blocking effect or being positive. Welding of joints is permitted if welding procedures and welding personnel are suitable. EN 719 and EN 729-1 to EN 729-4 shall be observed.	For all models: Fulfilled. Fulfilled. No screws and nuts. Provided the welding certificate(only for WK2003B-2, WK2003B-3 and WK2003B-4F).	P ☒ F ☐ N/A ☐ N/T ☐
5.6	Surface finish In order to avoid injuries, accessible edges, corners, and protruding parts shall be free of burrs, chamfered or rounded.	For all models: Fulfilled.	P ☒ F ☐ N/A ☐ N/T ☐

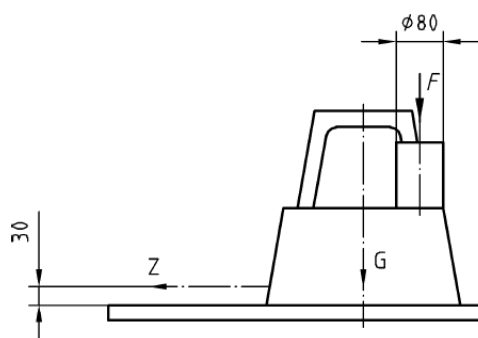
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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
	Metal parts susceptible to corrosion shall be protected by means of a paint coating or other coating. Under normal conditions aluminium alloy products are not likely to corrode and need no protection. If wooden parts are coated, the coating shall be transparent and permeable to water vapour.	No wooden parts.	
5.7	Hinges (turning points) Hinges shall connect the legs of the step stool durably. Hinges shall be designed in such a manner that no abutment of the step stool parts over the hinges is formed during use of the step stool. The hinge pin shall be secured against unintentional loosening. The diameter of steel hinge pins shall not be less than 5,0 mm or screw M 6. Pins of other materials shall have at least the same strength. If the pin has several shearing points (piano hinge) there is no restriction as to the hinge pin diameter.	For all models: Fulfilled.	P ☒ F ☐ N/A ☐ N/T ☐
5.8	Padding An assembled seat may have padding, which shall not exceed a thickness of 20 mm in an unloaded state.	For all models: No padding.	P ☐ F ☐ N/A ☒ N/T ☐
6	Test methods		
6.1	General An uncertainty of measurement of $\pm 1,0$ mm is permitted for the tests specified in 6.2, 6.3 and 6.4.		P ☒ F ☐ N/A ☐ N/T ☐
6.2	Vertical static load test of steps and platforms All types of products covered by this standard shall be subjected to this test on each step, platform and seat. The padding of a padded seat shall be removed for this test. The product shall be placed on a firm, flat surface and deployed for use as detailed in the instructions for use. Loading shall be applied centrally and evenly distributed over an area of 100 mm $\times$ 100 mm. Firstly apply a pre-load of 200 N for the duration of 1 min. After this remove the pre-load and set measuring equipment to read the resulting position of the surface	WK3006D-4F: Platform: 0.08 mm < 1.50 mm Third step: 0.51 mm < 1.50 mm Second step: 0.32 mm < 1.50 mm First step: 0.33 mm < 1.50 mm WK3006D-3F: Platform: 0.15 mm < 1.50 mm Second step: 0.24 mm < 1.50 mm First step: 0.58 mm < 1.50 mm WK3006D-3:	P ☒ F ☐ N/A ☐ N/T ☐

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	as a datum. Apply a load of 2 600 N for the duration of 1 min and then remove the load. Measure and record the permanent deflection from the datum. Also measure the width of the surface being tested. Examine and record any cracks or ruptures of materials. Any permanent deflection of metal or plastic parts shall be max. 0,5 % of the width of the platform or the step. Measurement shall be carried out 1 min after load removal.	Platform: 0.13 mm < 1.50 mm Second step: 0.34 mm < 1.50 mm First step: 0.21 mm < 1.50 mm WK3006D-2F: Platform: 0.36 mm < 1.50 mm Step: 1.21 mm < 1.50 mm WK3006D-2: Platform: 0.11 mm < 1.50 mm Step: 1.29 mm < 1.50 mm WK2003B-4F: Platform: 0.16 mm < 1.50 mm Third step: 0.41 mm < 1.50 mm Second step: 0.66 mm < 1.50 mm First step: 1.03 mm < 1.50 mm WK2003B-3: Platform: 0.44 mm < 1.50 mm Second step: 0.52 mm < 1.50 mm First step: 0.56 mm < 1.50 mm WK2003B-2: Platform: 0.48 mm < 1.50 mm Step: 1.48 mm < 1.50 mm WK3003C-3: Platform: 0.31 mm < 1.50 mm Second step: 0.38 mm < 1.50 mm First step: 0.82 mm < 1.50 mm WK3003C-2: Platform: 0.57 mm < 1.50 mm Step: 1.04 mm < 1.50 mm	
6.3	Determination of friction coefficient Position the product on a 2 mm plain decorative high-pressure laminate (HPL) HPL EN 438-S333. Apply a load F of 125 N to the centre of the bottom step (positioned as in 6.2). Using appropriate measuring equipment measure the minimum horizontal pulling force Z required to overcome friction and cause the product to slide. Measure the weight of the product in Newtons G. Calculate the coefficient of friction using:	WK3003C-2: Z=110 N, $\mu=0.71$ WK3003C-3: Z=115 N, $\mu=0.72$ WK2003B-2: Z=85 N, $\mu=0.54$ WK2003B-3: Z=100 N, $\mu=0.60$ WK2003B-4F: Z=110 N, $\mu=0.60$ WK3006D-2: Z=72 N, $\mu=0.49$	P ☒ F ☐ N/A ☐ N/T ☐

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	Friction coefficient $\mu = \frac{Z}{G + F}$ shall be $\geq 0,20$ where μ is the friction coefficient Z is the horizontal pulling force in Newtons G is the weight force of the step stool in Newtons F is an additional load of 125 N Test temperature $(20 \pm 5) ^\circ\text{C}$. Duration: 1 min.	WK3006D-2F: Z=72 N, $\mu=0.48$ WK3006D-3: Z=81 N, $\mu=0.53$ WK3006D-3F: Z=85 N, $\mu=0.55$ WK3006D-4F: Z=92 N, $\mu=0.56$	
	Dimensions in millimetres  Figure 6 — Determination of friction coefficient using a dome type step stool		
6.4	Seat Suitability Test This test only applies to step stools with padded seats. To test the seat as suitable for use as a climbing support, place a disc with a mass of 0,1 kg and a diameter of 100 mm on the centre of the seat. Place a cylindrical mass of 2 kg with a diameter of 100 mm on the disc. Measure and record the settlement of the disc due to the 2 kg mass after 1 min. When tested, the settlement shall not exceed 10 mm.	For all models: No padded seats.	P ☐ F ☐ N/A ☒ N/T ☐
7	Instructions for use Suitable instructions for use have to be provided by the manufacturer. This shall include the maximum total load of not more than 150 kg. NOTE: A standard for user information for ladders is in preparation as prEN 131-3.	For all models: Checked ok.	P ☒ F ☐ N/A ☐ N/T ☐

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8	Marking All marking shall be clear and durable and prominently positioned on the product. The marking shall include: - manufacturer's declaration of suitability of use. The manufacturer shall advise of any limit of use to which the product is allowed and any environment for which it is unsuitable (e.g. "for indoor use only"); - name of the manufacturer and/or supplier; - product designation in accordance to clause 4; - year and month of manufacture and/or serial number; - maximum total load. Only products that comply with this standard may be marked "EN 14183".	For all models: Checked ok.	P ☒ F ☐ N/A ☐ N/T ☐

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