

CERTIFICATE

PRÜFBESCHEINIGUNG NACH DEM PRODUKTSICHERHEITSGESETZ
(TEST CERTIFICATE IN COMPLIANCE WITH THE PRODUCT SAFETY LAW)

Bescheinigungs-Nr. (Certificate No.): **24FUP0948-01**

Gültig bis (valid until): **2025-10-16**

Das Produkt entspricht den Anforderungen des Produktsicherheitsgesetzes (ProdSG) § 20 (3) hinsichtlich der Gewährleistung von Sicherheit und Gesundheit und entspricht den derzeit anerkannten Regeln der Technik.

Die Kennzeichnungspflichten des Produktes gemäß §6 ProdSG sind einzuhalten.

(The product is in compliance with the judicial requirements of the Product Safety Law (ProdSG) § 20 (3) and the currently accepted rules of technology. The marking requirements of the product based on §6 ProdSG have to be observed)

Bescheinigungsinhaber
(Certificate Holder)

**Brunner GmbH
Im Salmenkopf 10
77866 Rheinau, Germany**

Markenname (Brandname)

Brunner

Fertigungsstätte
(Manufacturing Site)

**Brunner GmbH
Im Salmenkopf 10
77866 Rheinau, Germany**

Produkt
(Product)

Universaldrehstuhl (Universal swivel chair)

Typbezeichnung
(Type)

RAY WORK 9220, RAY WORK 9223, RAY WORK 9225

Beschreibung
(Description)

**Mit Gleiter oder Doppellenkrollen (with glides or double swivel castors)
Tiefe (depth): bis 710 mm, Breite (width): bis 690 mm, Höhe (height): bis 940 mm
Max. Tragfähigkeit (max. load): 110 kg**

Prüfbericht-Nr.
(Test Report No.)

FUHLFP2024-02994:2024-10-01

FUHLFP2024-02995:2024-10-01

Geprüft nach
(Tested according to)

EN 16139:2013+AC:2013- Level 1

EN 1335-1:2020+A1:2022

EN 1335-2:2018

PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK



**Intertek Deutschland GmbH
Dipl.-Ing. Bernhard Miedtank
Datum (Date): 2024-10-17**



Seite (page) 1/2

Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde.
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate.

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Hinweise

Der Bescheinigungsinhaber bzw. sein für die Herstellung Verantwortlicher verpflichtet sich, sein Produkt in Übereinstimmung mit dem geprüften Baumuster herzustellen, die Festlegungen zur Bereitstellung von Produkten auf dem Markt nach § 3 und § 6 ProdSG einzuhalten und Intertek Kontrollmaßnahmen zur Überwachung der Herstellung und rechtmäßigen Verwendung des GS-Zeichens nach § 24 Abs. 1 ProdSG zu ermöglichen. Am Produkt oder in der zugehörigen Dokumentation sind der Name und die Kontaktanschrift des Herstellers oder – sofern dieser nicht im europäischen Wirtschaftsraum ansässig ist – des Bevollmächtigten oder des Einführers in den europäischen Wirtschaftsraum gemäß § 6 Abs. 1 Ziff. 2 ProdSG anzugeben. Diese Baumusterprüfbescheinigung berechtigt den Bescheinigungsinhaber alle mit dem oben bezeichneten Baumuster identischen Geräte mit dem abgebildeten GS Zeichen zu versehen.

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Notes

The certificate holder or his designated representative commit themselves to manufacture the product in accordance with the tested samples to meet the requirements on providing products in the market according to § 3 and § 6 ProdSG and to enable Intertek to monitor the manufacturing process and the lawful use of the GS certification according to § 24 Para 1 ProdSG. The name and the contact address of the manufacturer or – if the manufacturer is not based in the European Economic Area – of the Importer to the European Economic Area or his representative have to be applied at the product or the documentation according to § 6 (1) 2. ProdSG. This type examination certificate entitles the certificate holder to mark all devices that are identical to the above-designated sample with the logo as shown below.

This certificate becomes invalid if the holder does not meet the commitments described above or the requirements according to § 22 of the ProdSG are changed.

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Brunner GmbH
Im Salmenkopf 110
77866 Rheinau

Fürth, 08 August 2025

TEST REPORT No. FUHLMP2025-01902

Date sample received: March 26/2025 / Juni 16/2025
Period of testing: March 26/2025 – August 08/2025
Technical Director: Kerstin Scharrer

Test Item: Office work chair ray work, including models 9220, 9225

Test: ANSI/BIFMA X5.1 – 2017(R2022)

Determination:

The office work chair ray work was submitted for the general safety tests according to ANSI/BIFMA X5.1 – 2017(R2022) for office chairs considering the current state of the art.

In summary, the test requirements **were fulfilled**.

Reviewed by:
Intertek Consumer Goods GmbH



Lab Manager Hardlines
Frank Urbich

Tested by:
Intertek Consumer Goods GmbH



Technical Expert
Tobias Reißmann

Product identification:

Test sample:	Office work chair
Model name:	Ray work
Item number:	9220
	9225
Number of test samples:	1 sample of each
Manufacturer:	Brunner GmbH
	Im Salmenkopf 110
	77866 Rheinau
Distributor:	Brunner GmbH
Delivered on:	26.03.2025 / 16.06.2025
Delivered by:	Brunner GmbH

Product documents:

User Guide, Product specification sheet and Product marking

Scope of the investigations:

ANSI/BIFMA X5.1-2017(R2022) General-Purpose Office Chairs – Tests

Abbreviations:

* = Test method is not part of the accreditation scope
** = Outsourcing
= Subsequent delivery
CS = Combined sample
F = failed
n.a. = not applicable
n.d. = not determinable (< RL)
n.t. = not tested
P = passed
RL = Reporting limit

Applicability of measurements:

Tolerances, unless otherwise specified, the following accuracies apply:

For each force $\pm 5\%$ of the nominal force; for each mass $\pm 0.5\%$ of the nominal mass.

The tests specify the application of forces. However, masses may be used.

In this case, the value 1 kg may be used for 10 N. Unless otherwise specified, all measured dimensions are measured with an accuracy according to DIN ISO 2768 Part 1 "c."

The test results refer exclusively to the object being tested.

The digital images in this report are for additional information and are not part of this test report.

The test specimens are preconditioned at 23°C ($\pm 2^\circ\text{F}$), 50% ($\pm 5\%$) RH, and for at least 7 days.

Test equipment list

The test equipment list contains a list of the measuring tools used and measuring equipment, gauges, templates and load weights that were used in accordance with the scope of the investigations.

Testing machines and devices as well as any connections that are necessary for the performance of tests are not an integral part of the test equipment list.

The following test equipment were available for testing in accordance with the scope of the investigations:

Clause	Test equipment	Equipment no.
General tests	Digital scale 150 kg	PM_HL_18.314
General tests	Steel ruler 500 mm	PM_HL_19.328
General tests	Band ruler 3.000 mm	PM_HL_18.390
General tests	Calliper	PM_HL_17.014
Loading tests	Dynanometer 1.000 N	PM_HL_17.026
Strength test	Pressure force-measuring cell 5 kN	PM_HL_18.358
Strength test	Pressure force-measuring cell 5 kN	PM_HL_18.359
Strength test	Pressure force-measuring cell 5 kN	PM_HL_18.360
Strength test	Pressure force-measuring cell 5 kN	PM_HL_18.361
Strength test	Dummy	PM_HL_18.028
Strength test	Dummy	PM_HL_18.074
Strength test	Dummy	PM_HL_18.097
Strength test	Dummy	PM_HL_18.096
Strength test	Weight bag 10 x a' 10 kg	PM_HL_18.062
Strength test	Weight bag 10 x a' 1 kg	PM_HL_18.064
Strength test	ANSI/BIFMA bag	PM_HL_18.159
Strength test	Digital timer	PM_HL_17.375
Strength test	Loading disc 10 kg	PM_HL_18.230
Strength test	Loading disc 10 kg	PM_HL_18.231
Strength test	Loading disc 10 kg	PM_HL_18.232
Strength test	Loading disc 10 kg	PM_HL_18.233
Strength test	Loading disc 10 kg	PM_HL_18.234
Strength test	Loading disc 10 kg	PM_HL_18.235
Strength test	Loading disc 10 kg	PM_HL_18.236
Strength test	Loading disc 10 kg	PM_HL_18.237
Strength test	Loading disc 10 kg	PM_HL_18.238
Strength test	Loading disc 10 kg	PM_HL_18.239
Strength test	Loading disc 10 kg	PM_HL_18.240
Strength test	Loading disc 10 kg	PM_HL_18.241
Strength test	Loading disc 10 kg	PM_HL_18.242

General Testing

Technical characteristics

General dimensions

Model	9220	9225
Depth (mm):	645	695
Height (mm):	823 - 941	905
Width (mm):	645	690
5-Star-Base (mm)	Ø 700	Ø 720
Swivel casters (mm)	Ø 65	./.
Glides (mm)	./.	Ø 30
Net weight (kg):	10,8	11,1

Brief description of the sample

Model 9220

Universal swivel chair with

- Reclining backrest, zero-position lock
- Height adjustment
- Armrests
- Support column
- 5-star-base
- Dual swivel casters

Model 9225

Universal swivel chair with

- Tilting backrest, zero-position lock
- Armrests
- Support column
- 5-star-base
- Glides

Product Picture:

Model 9220



Model 9225

		
Pic.7: Front View	Pic.8: Side View	Pic.9: Back View
		
Pic.10: View from below	Pic.11: Reclining backrest	Pic.12: Seat position

Tests and test results

Test description	ANSI/BIFMA X5.1 Clause	Load	Requirement	Results
Type of chair: I - Tilting Chair Model 9220/9225				
Backrest Strength Test - Static - Type I and II	5	Functional load: 667 N Proof load: 1001 N	There shall be no loss of serviceability to the chair.	P
Backrest Strength Test - Static - Type III	6	Functional load: 667 N Proof load: 1001 N	There shall be no loss of serviceability to the chair.	n.a.
Drop Test - Dynamic	7	Functional load bag: 102 kg Proof load bag: 136 kg Drop height: 152 mm	There shall be no loss of serviceability.	P
Swivel Test - Cyclic	8	Seat load: 122 kg Rotate 60.000 cycles	There shall be no loss of serviceability.	P
Tilt Mechanism Test - Cyclic	9	Test load: 109 kg Tilting to front and back stops 300.000 cycles	There shall be no loss of serviceability to the tilt mechanism.	P
Seating Durability Tests – Cyclic Impact Test	10.3	Functional load bag: 57 kg Drop height: 36 mm 100.000 cycles	There shall be no loss of serviceability to the chair after completion of both the impact and load-ease tests.	P
Seating Durability Tests – Cyclic Front Corner Load-Ease Test – Cyclic – Off-center	10.4	Force: 890 N 20.000 cycles each side		P
Stability Tests – Rear Stability for Type III	11.3.1	Force: 93 N or $F = 0.1964 (1195 - H) N$ 8 discs	The chair shall not tip over.	n.a.
Stability Tests – Rear Stability for Type I or II	11.3.2	Tilted to back stop 13 discs	The chair shall not tip over.	P
Front Stability	11.4	Seat load: 61 kg 60 mm from front center Hori. Force: 20 N	The chair shall not tip over as the result of the force application.	F > 70 N P
Arm Strength Test - Vertical - Static	12	Func. F: 750 N, 60 s Proof F: 1125 N, 15 s	There shall be no loss of serviceability.	P
Arm Strength Test - Horizontal - Static	13	Func. F: 445 N, 60 s Proof F: 667 N, 15 s	There shall be no loss of serviceability.	P
Backrest Durability Test - Cyclic - Type I	14	Load weight: 109 kg F: 445 N 120.000 cycles centre if Back width ≤ 406 mm or Back width > 406 mm 80.000 cycles centre, 20.000 cycles off-center Backrest left 20.000 cycles off-center Backrest right	There shall be no loss of serviceability.	P

Test description	ANSI/BIFMA X5.1 Clause	Load	Requirement	Results
Type of chair: I - Tilting Chair Model 9220/9225				
Backrest Durability Test - Cyclic - Type II and III	15	Load weight: 109 kg F: 334 N 120.000 cycles centre if Back width $\leq$ 406 mm or Back width > 406 mm 80.000 cycles centre, 20.000 cycles off-center Backrest left 20.000 cycles off-center Backrest right	There shall be no loss of serviceability.	n.a.
Caster/Chair Base Durability Test for Pedestal Base Chairs	16.1	Load weight: 122 kg 2000 cycles over obstacles 98.000 cycles over smooth surface	There shall be no loss of serviceability. No part of the caster shall separate from the chair as a result of the application of the 22 N force.	P
Caster/Chair Frame Durability Test for Non-pedestal Chairs with Casters	16.2	Load weight: 122 kg 2000 cycles over obstacles 98.000 cycles over smooth surface	There shall be no loss of serviceability. No part of the caster shall separate from the chair as a result of the application of the 22 N force.	n.a.
Leg Strength Test - Front and Side Application	17	Func. F: 334 N, 60 s Proof F: 503 N, 60 s	There shall be no loss of serviceability.	n.a.
Footrest Static Load Test - Vertical	18	Func. F: 445 N, 60 s Proof F: 1334 N, 60 s	There shall be no loss of serviceability (445 N) or sudden loss of footrest height (1334 N).	n.a.
Footrest Durability Test - Vertical - Cyclic	19	Vert. Force: 890 N 50.000 cycles	There shall be no loss of serviceability. Adjustable footrests that move more than 25 mm in the first 500 cycles shall be considered to have lost their serviceability.	n.a.
Arm Durability Test - Cyclic	20	Inclination 10° degree F: 400 N 60.000 cycles	There shall be no loss of serviceability to the chair.	P
Out Stop Tests for Chairs with Manually Adjustable Seat Depth	21	Seat load: 75 kg Pull F: 25 kg 25 cycles	There shall be no loss of serviceability to the chair.	n.a.
Tablet Arm Chair Static Load Test	22	F: 68 kg, 60 s	The load applied once shall cause no sudden and major change in the structural integrity of the chair.	n.a.

Test description	ANSI/BIFMA X5.1 Clause	Load	Requirement	Results
Type of chair: I - Tilting Chair Model 9220/9225				
Tablet Arm Chair Load Ease Test - Cyclic	23	F: 25 kg 100.000 cycles	The load applied once shall cause no sudden and major change in the structural integrity of the chair.	n.a.
Structural Durability Test - Cyclic	24	Seat load: 109 kg F: 334 N 25.000 cycles	There shall be no loss of serviceability.	n.a.

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END OF REPORT