

Test Report

No Q IWQ MBL 734 1974

HÅG asa
NO-7366 RØROS
Norway

Object: Office work chair model range "H09"
(7 samples supplied by the manufacturer)

Order: Test to ANSI/BIFMA X 5.1 - 2002

Findings:

The test was carried out to ANSI/BIFMA X 5.1-2002 at the laboratory of the Test Institute of LGA Nuremberg.

The office work chairs Model range "H09" **comply** to type I in accordance with ANSI/BIFMA X 5.1-2002 and meet all requirements for strength, durability and safety according to this standard.

The reference models H09 9120, 9130, 9220, 9230, 9320 and 9430 were tested standing in for the complete office work chair Model Range "H09". The types of the whole model range differ only in the design of the backrests.

The following pages contain technical data and details of the test.

Nuremberg, 01st September 2005
Q IWQ MBL/hy/ra/şe

LGA QualiTest GmbH
Möbelprüfinstitut


Dipl.-Ing. (FH) R. Heym



Test officer


Franz Rackl

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Test Results

Object:

Article: Office work chair Model Range "H09"
Type/Model: H09 9120, 9130, 9220, 9230, 9320 and 9430
Number of samples: 1 each and 1 additional H09 9230 and 9130
delivered: 15.11. 2004 and 13.06. and 31.08.2005
Reg. Nr.: 884/1-6 and 439, 713
delivered by: HÅG asa

Scope of tests

General examination

Technical test

Test to ANSI/BIFMA X 5.1-2002, Type I

Applicability of test results

The test results refer solely to the samples tested. The digital pictures shown in this report are for additional information only and are not part of this report.

The model range H09 consist the model types H09 9120, 9130, 9220, 9230, 9320, 9230, 9420 and 9430.

Measurement uncertainty

Unless otherwise stated the dimensional measurements are taken to an accuracy according to DIN 7168-g for old constructions resp. DIN ISO 2768 part 1 "c" for new constructions. For all other physical values the measurement uncertainty is < 5 %. The tests were carried out at standard climate unless otherwise stated.

General examination

Brief description of the samples

- Seat height adjustable by means of gas spring from SUSPA
- Denomination of gas spring: 17-04-26 DIN 4550-4 09 04 /1
- Seat mechanism with tilt function,
- Initial tension adjustable by means of hand wheel
- Sliding seat adjustable in 7 positions by hand lever
- Seat inclination lockable by hand lever
- Seat plate made of plastic (PP)
- Seat padded and upholstered
- Backrest with adjustable lumbar support in height, available in different design, in low version and high version with headrest.
- Backrest covered with network, leather or only with backrest pads.
- Arm rests adjustable in height and width.
- Arm pads able to turn down
- Base made of aluminium die cast
- 5 brake unloaded twin wheel swivel castors type "H" or "W"
- Denomination of castors: GR
- Castor manufacturer: Guy Raymond



Summary of test results for office work chairs type I

Number	Name	Title
5	Back Strength Test - Static - Type I	pass
6	Back Strength Test - Static - Type II	pass
7	Base Test – Static	pass
8	Drop Test - Dynamic	pass
9	Swivel Test – Cyclic	pass
10	Tilt Mechanism Test – Cyclic	pass
11	Seating Durability Test – Cyclic	pass
12	Stability Test – Dynamic	pass
13	Arm Strength Test – Vertical – Static	pass
14	Arm Strength Test – Horizontal – Static	pass
15	Back Durability Test- Cyclic – Type I	pass
16	Back Durability Test- Cyclic – Type II	pass
17	Caster Durability Test - Cyclic	pass
20	Arm Durability Test – Cyclic	pass
21	Out Stop Test for Chairs with Adjustable Seat Depth	pass



Back Strength Test - Static - Type I
 Function Load



Back Strength Test – Static Type I
 Proof Load



Back Strength Test - Static - Type II
 Proof Load