

Test-
report

Nr. Q MBL N 937 1574e

Reported to: Mey CHAIR SYSTEMS GmbH
Merlach 16
96145 Seßlach

Object: Swivelling work chair models "W15-25-TR-PU"
and "W15-26-TR-PU"
(2 models + components supplied by the manufacturer)

Order: Test to British Standard 5459 Part 2, ed. 2000

Findings:

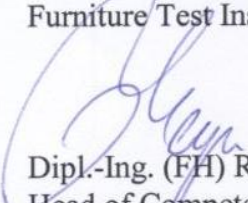
The swivelling work chair models "W15-25-TR-PU" and "W15-26-TR-PU" were tested in accordance with the guidelines laid out in British Standard BS 5459 Part 2, ed. 2000. The test methods and requirements of this standard are for users up to a weight of 150 kg and a daily use of up to 24 hours.

In summary it can be stated, that the swiveling work chair models "W15-25-TR-PU" and "W15-26-TR-PU" meet the requirements of British Standard BS 5459: Part 2. The backrest height adjustment range may extend up to 28 mm from the elongated hole in minimum position.


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

Nuremberg, 2008-01-17; modified 2008-06-18
Q MBL N hy/ra/ße/pi

LGA QualiTest GmbH
Furniture Test Institute


Dipl.-Ing. (FH) R. Heym
Head of Competence Center




Franz Rackl
Test Officer

This test report consists of 4 pages. Except when otherwise approved / licensed by LGA this test report may only be published and used in unabbreviated original phrasing and form. The test report contains the result of one single examination of the individual test sample and does not represent any universally valid evaluation of the qualities of all products from serial production. Should the content of the test report need any interpretation the German text shall be leading.

Test Results

Object

Article:	Swiveling work chairs with reinforced seat chassis
Type/model.:	"W15-25-TR-PU" seat chassis "13-25-4" with adjustable seat inclination (asynchronous) "W15-26-TR-PU" seat chassis "13-26-4" with fix seat inclination with backrest bearer 19-1
Number of samples:	2 + components
Samples	
Delivered by:	Mey Chair Systems
Delivered:	08.06., 01.10. and 22.11.2007
Reg. No.:	464-2/3, 833 and 1024

Scope of tests

General examination

Technical test in accordance with BS 5459:2000

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 worst case model "W15-25-TR-PU", seat chassis "13-25-4" with adjustable seat inclination (asynchronous) was tested.

Therefor the results can be transfered to the model "W15-26-TR-PU", seat chassis "13-26-4" with fix seat inclination.

Measurement uncertainty

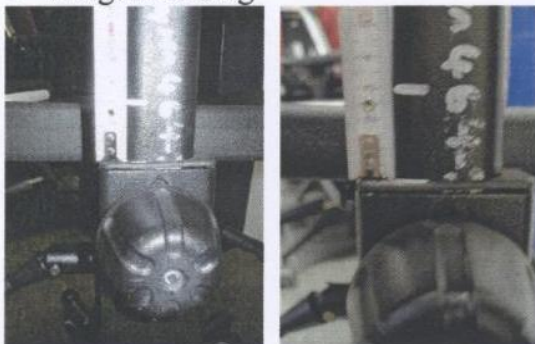
Unless otherwise stated all dimensions are measured to an accuracy according to DIN 7168-g for old constructions resp. DIN ISO 2768 part 1 "c" for new constructions. For all other physical values the measurement uncertainty is < 5 %.

The test has been carried out at standard climate 23 °C/50 % r.h.

General examination

Brief description of the samples

- Seat height adjustable by means of gas spring from Suspa
- Denomination of gas spring: Part No. K70449, MA No. 146642 300 N 23.11.06
- Seat mechanism reinforced model "13-25-4" and "13-26-4"
- Backrest reclinable and permanent lockable by means of multiple disk clutch
- Backrest continuously adjustable in height, by means of rotary knob, max. 28 mm from the elongated hole in min. position,
- Backrest bearer model 19-1 made of oval shaped steel tube 40 x 20 x 2 mm
- Seat and backrest shell made of plywood and coated with PU-foam
- Base made of welded steel tube beams $\varnothing 42 \times 2$ mm, as well as plastic end caps with drilling holes for the castor stems
- 5 brake unloaded twin wheel swivel castors type "W"
- Denomination of castors: EMI PAT.
- Castor manufacturer: emilsider
- Weight: 18.3 kg



Requirements to BS 5459, ed. 2000

Summary of tests and results

Clause	Test description	Test parameters	Title
A.5.1	Fore-and-aft safety	Seat load V_1 1.400 N Back load H_1 400 N Front edge load V_2 1.400 N max. number of cycles 500.000	passed
A.5.2	Seat impact	Drop height 350 mm	passed
A.5.3	Back impact	Drop height 330 mm Angle 48°	passed
A.5.4	Drop	Drop height 450 mm	passed
A.5.5	Side-to-side safety	Load 1.200 N max. number of cycles 250.000	passed
A.6.2.1	Forward overturning	Load 600 N; 20 N	passed
A.6.2.2	Sideways overturning	Load 600 N; 20 N	
A.6.4	Rearward overturning	13 discs	
A.6.3.2	Accidental rearward Overturning	See clause A.6.3.2	passed
A.7.5	Chair swivelling	Vertical force 1.200 N Cycles 100.000	passed
A.7.6	Seat height adjustment	Vertical force 1.200 N, 10000 Cycles	passed
A.7.9	Locking device fatigue	Back load H_1 400 N Cycles 500.000	not applicable

