

Brief overview - chair test in the scope of the BGIA report 5/2008

Complete version of the report: www.dguv.de/bgia/de/pub/rep/rep07/bgia0508/index.jsp

Institutions performing the study:	Verwaltungs-Berufsgenossenschaft (VBG) BGIA - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (DGUV) Institut der niederländischen Organisation für angewandte Wissenschaften (TNO Work and Employment)
Time of performance:	October 2006 to March 2007
Tested chairs:	Special office chairs frequently inquired about at the prevention department of the VBG versus a conventional reference chair
Procurement of the test chairs:	Retail trade purchase. No procurement directly from the manufacturer.
Test profile:	Testing of special office chairs under ergonomic aspects
Test persons Field test/practical test	25 female and 15 male test persons from four different companies in the Cologne/Bonn/Duesseldorf region
Issuer:	Deutsche Gesetzliche Unfallversicherung (DGUV)

Type of chair		Ranking	Points
A	Chair with motor-operated, rotating seat	2	136
B	Chair with the BIOSWING 3D seating system	1	168
C	Chair with pendulum-like element similar to the 'gym ball principle'	5	73
D	Chair with conventional synchronous mechanic system	4	99
E	Chair with seat joint similar to the 'gym ball principle'	3	113

Rating categories	Chair type with the best rating
Impact on work performance, health and well-being	B
Dynamic qualities and mobility of the seat and backrest	B
Handling of all components, such as backrest, seat and armrests	B
Comfort rating	B

