

REMODEX SERVICES AND REPAIRS  
 RESEARCH AND IMPLEMENTATION UNIT FOR FURNITURE INDUSTRY  
 RESEARCH LABORATORY

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Order no.	21/15	Order received on:	2.11.2014
Ordered by (name, address):	Bimak Import-Export Tomasz Piskor Paweł Smoliński Ul. J. Dąbrowskiego 71a/60 02-586 Warszawa		
Product (name, type, symbol)	Qbox drawer slide system		
Sample description	Drawer slides L=500 mm with quiet self-closing mechanism. Side panel height – 91 mm – steel plate profile. The bottom and the rear wall made of laminated chipboard 16 mm thick and the front made of board 18mm thick.		
Type and scope of tests	PN-EN 15338+A1:2012: Hardware for furniture. Strength and durability of extension elements and their components.		
Samples received on	24.11.2014	Testing period	15.12.2014 – 30.01.2015
Test result	PASS		

Remodex Services and Repairs Research and Implementation Unit for Furniture Industry Research Laboratory hereby certifies that the test results only refer to the tested samples. This report can only be copied as a whole without a written consent.

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NIP no.: 782-00-23-618 REGON no.: 008058795

Tested authorized by:

[Signature]

Piotr Błaszczak, laboratory manager

Przedsiębiorstwo Usługowo-Remontowe  
**REMODEX, ZAKŁAD BADAŃ I WDROŻEŃ**  
**PRZEMYSŁU MEBLARSKIEGO Sp. z o.o.**  
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Drawer slide system – test results

Name, product type: Qbox drawer slide system

Tested drawer:

- Dimensions: 478 x 397 x 90
- Weight: 4,7 kg
- Overhang – 460 mm
- Load capacity – 30 kg

1. Overload tests: 3 test levels

Point PN-EN	Tests	Overload, forces	Requirements	Test result
6.2.2	Downwards static overload	25.3 kg 300 N, 10x	NO DAMAGES	pass
6.2.3	Horizontal sideways static overload	25.3 kg 150 N, 5 x		pass
6.2.4	Outwards static overload	25.3 kg 200 N, 10x		pass
6.2.5	Slam-shut/open	25.3 kg Weight mass 7.8 kg 10x		pass

II. Functionality tests

Point PN-EN	Tests	Overload, forces	Requirements	Test result
6.3.2	Deflection of the bottom	25.3 kg	5.3 mm	2.8 mm pass
6.3.3	Distortion of front and rear	25.3 kg Vertical force 200 N	NO DAMAGES	pass
6.3.4	Operating forces	25.3 kg	Max 50 N	10-35 N pass
6.3.5	1 <sup>st</sup> downwards static load test	25.3 kg 150 N, 5 x	NO DAMAGES	pass
6.3.6	1 <sup>st</sup> horizontal sideways static load test	25.3 kg 75 N, 5 x		pass
6.3.8	Durability	25.3 kg	60,000 cycles	pass **/
6.3.9	Deflection of the front	25.3 kg	Max 18.4 mm	8.2 mm pass
6.3.10	2 <sup>nd</sup> downwards static load test	25.3 kg 150 N, 5x	NO DAMAGES	Pass
6.3.11	2 <sup>nd</sup> horizontal sideways static load test	25.3 kg 75 N, 5x		pass
6.3.12	Operating forces	25.3 kg	Max 50 N	18-35 N*/

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	(after 60,000 cycles)			
6.2.5	Slam-shut/open	25.3 kg Weight mass 7.8 kg, 10x	NO DAMAGES	pass

\*/- operating forces - the first value refers to drawer closing and the second to drawer opening (maximum value required to overcome the resistance of a locking catch keeping the drawer closed).

\*\*/ for pull-out elements with load capacity > 15 kg, the durability test requires 60 000 cycles, a drawer on Qbox slides passed this test. The test was extended to 100 000 cycles and the drawer still operated correctly. After the drawer was dismantled, no damages to slide elements were noted.

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