



Test report: Compatibility of Voortman Halo Combinatie dual office desk with relevant requirements on dimensions, stability, strength and durability according to NEN-EN 527-1:2011, NEN-EN 527-2+A1:2019 and NPR 1813:2025

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1 Assignment

On June 10, 2025 Voortman Kantoormeubelen commissioned SHR to examine for compatibility with relevant requirements on dimensions, stability, strength and durability according to the latest version of Dutch and European standards.

2 Execution of the test

2.1 Identification and description of the samples

For the test, the sample mentioned in table 1, was delivered at SHR on July 10, 2025.

The production of the test pieces is carried out by the principal.

Table 1. Delivered samples.

Amount	Code	Description
1	250404-1	Halo Combinatie, dual office desk

2.2 Method

Examination according to relevant requirements on dimensions and mechanical safety of:

- NEN-EN 527-1:2011 Dimensions: the measurements are assessed according to par 4.2 of NEN-EN 527-1:2011 for type A.
- NEN-EN 527-2:2016+A1:2019 Stability, strength and durability with test methods according to EN 1730:2012 are assessed according to par 5.2 of NEN-EN 527-2:2016+A1:2019.
- NPR 1813:2025 Dimensions: the measurements are assessed according to Annex A.2 of NPR 1813:2025.

2.3 Period of the test

The tests were executed from 16-07-2025 till 03-09-2025.

3 Results of the test

The results of each individual test are shown in Appendix 2.

The examined sample 250404-1 complies with all requirements for office desk type A according to NEN-EN 527-1:2011, NEN-EN 527-2:2016+A1:2019 and NPR 1813:2025.

Literature

European standard NEN-EN 527-1:2011 *Office furniture – Work tables and desks – Part 1: Dimensions*. NEN. Delft. 22 pp.

European standard NEN-EN 527-2:2016+A1:2019 *Office furniture – Work tables and desks – Part 2: Mechanical safety requirements*. NEN. Delft. 11 pp.

European standard NEN-EN 1730:2012 *Furniture – Tables – test methods of test for the determination of the stability, strength and durability*. NEN. Delft. 29 pp.

Dutch Code of Practice NPR 1813:2025 *Ergonomie – Richtlijn voor toepassing van kantoormeubelen en werkplekaccessoires– Toelichting bij de NEN-EN 1335, de NEN-EN 527 en NEN-EN 16139*. NEN. Delft. 32 pp.

Appendix 1 Photos of tested product – Voortman Halo Combinatie dual office desk



Photo 1: Tested sample 250404-1 of Voortman office desk - side view both table tops lowest position.



Photo 2: Tested sample 250404-1 of Voortman office desk - side view one table top lowest position other table top highest position.

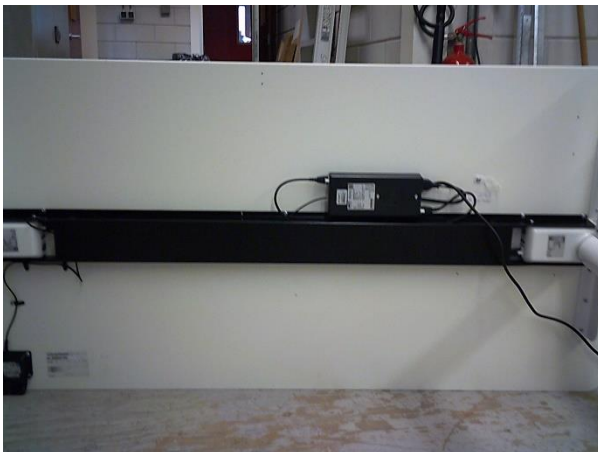


Photo 3: Tested sample 250404-1 of Voortman office desk - bottom view.



Photo 4: Tested sample 250404-1 of Voortman office desk - detail glider.

Appendix 2 Specification of results – Voortman Halo Combinatie dual office desk

✓ = OK ✗ = not OK N/a = not applicable

Table 2: Dimensions related to requirements of NEN-EN 527-1 (all sizes in mm).

Property			Measured	Work table/desk type			Result	Remarks
				Type A	Type B	Type C		
				adjustable	selectable	fixed		
--	Work top shape		2 x 1600 x 800	A	---	---		
h ₁	Height to top (minimum range)	sitting only	644 – 1303 increment:0	650 – 850 ^a		740 ± 20	N/a	
		standing only		950 – 1250 ^a		1050 ± 20	N/a	
		sit/stand		650 - 1250	N/a			✓
t ₁	Desk top thickness (maximum)	at front	25	55 ^b		70	✓	
t ₂		at 500 mm from front		80 ^b	90 ^b	100	✓	1)
k ₁	Height knee clearance	standing only → 0-80 mm from front		700 ^d			N/a	
k ₂	Depth knee clearance	standing only		80			✓	1)
k ₃	Depth feet clearance	standing only		150			✓	1)
f ₁	Height foot clearance (minimum)	sitting only, sit/stand → 600-800 mm from front		120			✓	1)
f ₂		standing only → 0-150 mm from front		120			N/a	
g ₁	Legroom depth (min.)	sitting only, sit/stand		800		800 ^f	✓	1)
D ^g	Desk top depth (min.)	---	800	800		800 ^f	✓	1)
w	Legroom width (minimum)	sitting only, sit/stand	1322	1200	1000		✓	
		standing only		790			N/a	

^a For type B a maximum increment of 20 mm is required

^b Only applies to sitting and sit/stand work tables/desks

^c The construction of the product shall ensure the minimum legroom depth

^d Measured from the floor

^f 600 mm can in some situations be acceptable, e.g. when 17" of smaller flat screens are used, providing that the work surface is not against the wall and that two people are not sitting in front of each other. Information about these limitations shall be provided with the product

^g Size D is the smallest depth of the table top

1) Remark: Measured with a template.



Table 3: Dimensions according NPR 1813:2025 differing from dimensions according NEN-EN 527-1:2011.

Property			Measured	Work table/desk type			Result	Remark
				Type A	Type B	Type C		
				adjustable	selectable	fixed		
h ₁	Height to top (minimum range)	sit/stand	644 – 1303 increment:0	650 - 1300	n/a		✓	
t ₁	Desk top thickness (maximum)	at front	25	50		n/a	✓	
t ₂		at 500 mm from front		80	90	n/a	✓	1)
w	Legroom width (minimum)	sitting only, sit/stand	1322	1200	1000	850	✓	

1) Remark: Measured with a template.

Table 4: General requirements of NEN-EN 527-2:2016+A1:2019.

Par/art. 527-2	Test	Measured	Demand	Result	Remark
4	General requirements	---		✓	

Table 5: Mechanical safety related to requirements of NEN-EN 527-2:2016+A1:2019 (with test methods according to NEN-EN 1730:2012) levelling devices set to 5 mm from fully open.

Par/art. EN1730	Test / examination of	Measured	Demand	Result	Remark	
8	1 Durability of height adjustment mechanisms A 1250 cycles		no fracture, no loosening of joints, no major structural deformation, retention of functions of the table	✓		
	B 2500 cycles			✓		
	C 1250 cycles			✓		
6.2	2.1 Horizontal static load test 10 x 450N, min 300N, 50 kg load on table top			✓		
6.2	2.2 Additional horizontal static load test for adjustable tables with a height more than 950 mm : 10 x 285 Nm, 50 kg load on table top			✓		
6.3.1	3.1 Vertical static load test 10 x 1000N			✓		
6.3.1	3.2 Additional vertical static load test for adjustable tables with a height more than 950 mm: 10 x 500N			✓		
6.4.1 6.4.2	4 Horizontal durability test 10.000 x 300N, 50 kg load on table top			✓		
6.4.1 6.4.3	5 Stiffness of the structure 200N,	Short side:2,3 Long side:2,3		D/Height of the table ≤ 17 mm/m for D1 and D2	✓	
6.5	6 Vertical durability test 10.000 x 400N				✓	
6.8	7 Durability test for tables on castors 2000 cycles, 50 kg load on table top		no fracture, no loosening of joints, no major structural deformation, retention of functions of the table	N/a		
6.6	8 Vertical impact test 10 x 140 mm			✓		
6.9	9 Drop test, nominal drop height 100 mm.			✓		
7.2.2	10 Stability under vertical load V1 = 750N, V2 = 750N		Table shall not overturn	✓		
7.3	11 Stability for extension elements, 400N			N/a		
	Information for use		Information shall be available in the language of the country in which it will be available to the end user	✓	1)	
			Intended use	✓	1)	
			Instruction for operating the adjusting mechanisms	✓	1)	
			Instruction for the care and maintenance	✓	1)	

1) Remark: This information is available on the internet: <https://app.voortmanmeubel.nl>.