

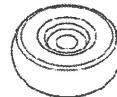
Test Certificate

No. 201404E-001

Products:

Top roller

Item no. 10.01.009, 10.01.010, 10.01.012, 10.01.015,
10.01.018, 10.01.019, 10.01.029



Top track positioning

Item no. 10.01.026, 10.01.027



The test has carefully been controlled by qualified technical staff in the raumplus test center.
The following processing parameters have been achieved without any impairment of function.

Processing parameter:

Procedure distance:	1200 mm
Acceleration:	0,5 m/s ²
Speed:	0,5 m/s
Holding time:	10 seconds
Temperature:	approx. 20,0° C

Test objects:

Top roller	10.01.015
Top track positioning	10.01.026

Test 1

Distance of top roller from start to end position (wall) in top track positioning.
(single track system)

Date:	Test type:	Number of cycles*	Weight	Inspected by:
24/03/14 - 30/03/14	Durability test	30.000	40 kg	M. Paske

Test 2

Distance of top roller from start to parking position in top track positioning with
door overlapping in the rear. (double track system)

Date:	Test type:	Number of cycles*	Weight	Inspected by:
03/04/14 - 22/04/14	Durability test	30.000	40 kg	M. Paske

* One cycle consists of one forward and one backward motion. Between these two motions a holding time of 10 seconds has to be observed.

Result:

No apparent abnormalities during the constant workload.
The top rollers maintained full functionality without limitation.

The achieved results are representative for all above stated products.

Approved by:
Dirk Lesemann
Technics and Product Delevoping Manager

i. V. B
8/5/14



raumplus