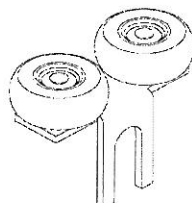


Test Certificate

No. 201006E-002

Product: Top Roller, Item-No. 10.01.015



The test item has carefully been controlled by qualified technical staff in the raumplus test center. The top rollers have to tolerate a maximum load of (+1 % - 0 %) during 48 hours. The following processing parameters have been achieved without any impairment of function:

Processing

Parameter:

Procedure Distance:	1200mm
Acceleration:	0,5m/s ²
Speed:	0,5m/s
Holding Time:	5 seconds
Temperature:	approx. 23,4 °C

Date	Test Type:	Number of Cycles	Weight	Inspected by:
02/03/2009	Durability test	30.000	80 kg	A. Riechmann
26/01/2010	Quality control	10.000	40 kg	M. Paske
09/02/2010	Quality control	10.000	40 kg	M. Paske
07/06/2010	Quality control	10.000	40 kg	M. Paske
12/04/2010	Quality control	20.000	40 kg	M. Paske
15/04/2010	Quality control	30.000	40 kg	M. Paske
20/04/2010	Quality control	40.000	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.

Approved by:
D. Lesemann
Technics and Product Development Manager



raumplus