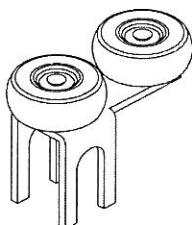


Test Certificate

No. 201006E-004

Product: Top Roller, Item-No.: 10.01.018



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. 20,0 °C

Date	Test Type:	Number of Cycles*	Weight	Inspected by:
26/05/2009	Durability Test	2.739	60 kg	A. Riechmann
08/07/2009	Durability Test	10.000	20 kg	A. Riechmann
04/08/2009	Comparison Test	10.000	40 kg	A. Riechmann
19/01/2010	Quality Control	9.750	40 kg	M. Paske
22/01/2010	Quality Control	10.000	40 kg	M. Paske
04/02/2010	Quality Control	10.000	40 kg	M. Paske
03/03/2010	Quality Control	10.000	60 kg	M. Paske
09/03/2010	Quality Control	10.000	40 kg	M. Paske
12/03/2010	Quality Control	10.000	60 kg	M. Paske
28/04/2010	Quality Control	50.000	40 kg	M. Paske
05/05/2010	Quality Control	30.000	40 kg	M. Paske
11/05/2010	Quality Control	10.000	40 kg	M. Paske
18/05/2010	Quality Control	30.000	40 kg	M. Paske
22/06/2010	Quality Control	10.000	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