



page 1 of 4				T	est No.:	EW13-021	
Client:							
Name:	Team:		Date:	Resu	It:		
Order-Info:							
Customer/ No.:	igus						
Series / No.: RX40	.100.100.0	Installation type: unsupported					
Goal: Check Chip	Resistance						
Technical data			Series data				
Length [links] or [m]:			MatNo.:				
Additional load [kg/m]:			Proddate:				
Chain weight [kg/m]:			Origin: ☐Stock ☐Production ☐Customer				
Temperature [°C]:			- Other:				
a acceleration [m/sec <sup>2</sup> ]:			tempered	d 🗌 No 🔲 Yes			
Mounting brackets:			conditioned  No Yes - moisture absorption [%]				
Filling (Sketch-No.):							
Cycles	v S	peed [m/s]	Remark:				
Experimental setup (Sketch, Photo)							
1 kg mixed ste chain/tube mak	ure Chip Resistand el chips in a drum, es 100.000 double	in which the					
Investigational procedure		То:		Examiner:	S Neuen	/ P.Howold	
From: 24.05.13		10:		_xammer.	S.INEUEII	/ F.HUWUIU	

QM-2-201-F/C:\TEMP\notesFFF692\igus test report EW13-021.doc A. Pies/Versuch/27.03.2009 **For internal** The managing data show the

use only

The managing data show the results of the accomplished examinations. With all data it still acts neither around one or more warranties of certain characteristics around one or more warranties regarding the suitability of a product for a certain targeted application, since the examinations on laboratory conditions took place. The warranty of certain characteristics of the products and/or their suitability for a certain application requires writing in the confirmation of order. Finally we recommend user-specific measurements under genuine operating conditions.





Test No.: EW13-021

#### Result

#### **Chip Resistance test:**

Used chips: mixed steel chips

Mass of chips: 1kg

Chain/tube chips inside the chain/tube double strokes

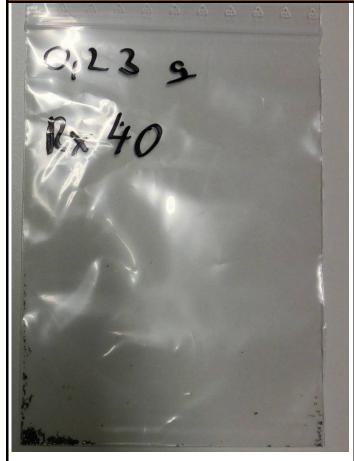
igus RX40.100.100.0

0,23 g

100.000

	RX40.100.100.0
Chips inside the chain / tube	0,23 g
Chips inside the chain links/	No
stop dogs	
Scratches / damages on the	No
lids	
Inhibited chips between the	No
lids	

#### RX40.100.100.0





Upper run / outer radius

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Original

→ Test Lab Copy 1 → Konstruction
Copy 2 → Client



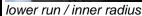


Test No.: EW13-021





lower run / inner radius







lower run / inner radius

lower run / inner radius





use only

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Original → Test Lab
Copy 1 → Konstruction
Copy 2 → Client Original





Test No.: EW13-021





chain links

chain links



chain links

Report: Sheets

### **Evaluation**

#### **Chip Resistance test**

- Testing procedure 1 kg mixed steel chips 100.000 double strokes
- Rx40.100.100.0  $\rightarrow$  0,23 g chips inside the chain / tube
- No scratches or damages at the RX40
- No chips between the chain links
- No chips between the stop dogs

Name: p.howold