

page 1 of 4	Test No.: EW13-021
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Client:

Name:	Team:	Date:	Result:
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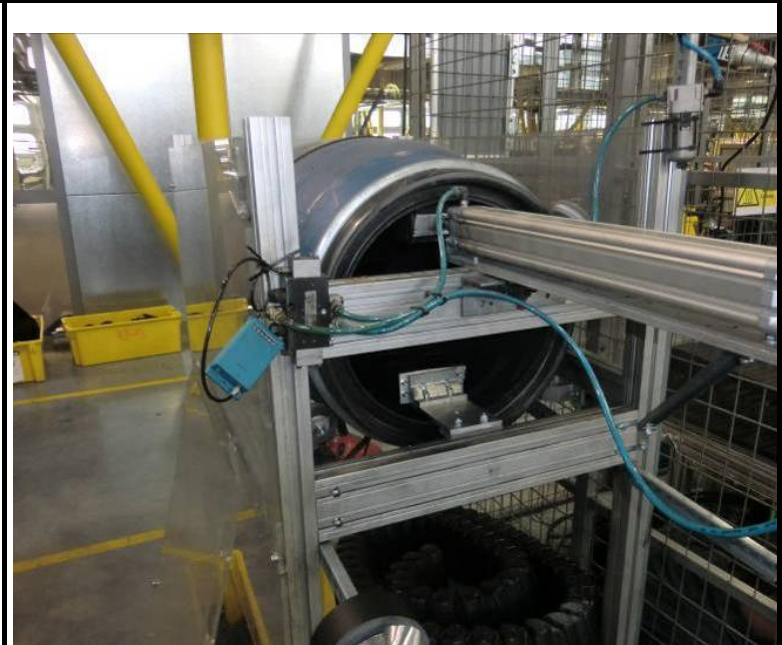
Order-Info:

Customer/ No.: igus	
Series / No.: RX40.100.100.0	Installation type: unsupported
Goal: Check Chip Resistance	

Technical data	Series data								
Length [links] or [m]:	Mat.-No.:								
Additional load [kg/m]:	Prod.-date:								
Chain weight [kg/m]:	Origin: <input type="checkbox"/> Stock <input type="checkbox"/> Production <input type="checkbox"/> Customer								
Temperature [°C]:	- Other:								
a acceleration [m/sec ²]:	tempered <input type="checkbox"/> No <input type="checkbox"/> Yes								
Mounting brackets:	conditioned <input type="checkbox"/> No <input type="checkbox"/> Yes								
Filling (Sketch-No.):	- moisture absorption [%]								
<table border="1"> <thead> <tr> <th>Cycles</th> <th>v Speed [m/s]</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Cycles	v Speed [m/s]							Remark:
Cycles	v Speed [m/s]								

Experimental setup (Sketch, Photo ...)

Testing procedure Chip Resistance:
1 kg mixed steel chips in a drum, in which the chain/tube makes 100.000 double strokes



Investigational procedure

From: 24.05.13	To:	Examiner: S.Neuen / P.Howold
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Result

Chip Resistance test:

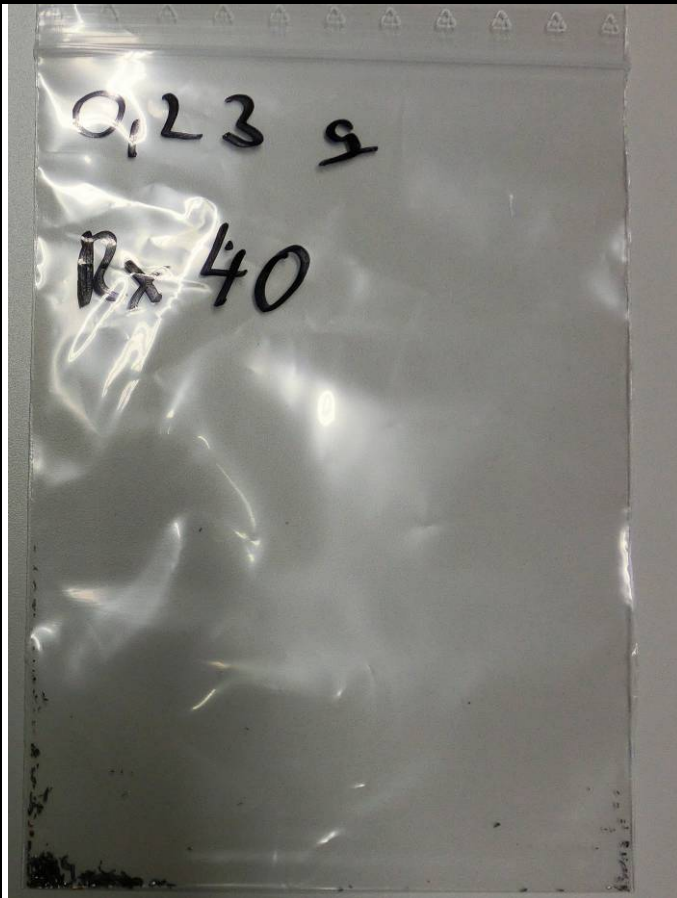
Used chips : mixed steel chips

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/ stop dogs	No
Scratches / damages on the lids	No
Inhibited chips between the lids	No

RX40.100.100.0



Upper run / outer radius



lower run / inner radius



lower run / inner radius



lower run / inner radius



lower run / inner radius



inside



inside



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 → 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**