

page 1 of 2	Test No.: EW15-013-1
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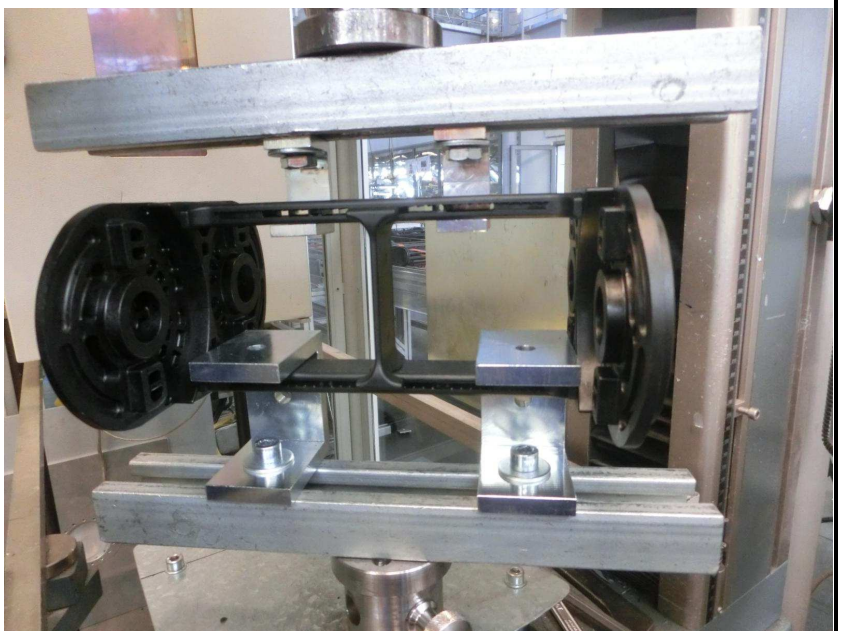
Client:			
Name:	Team: Product Management	Date: 03.03.15	Result: 08.04.15

Order-Info:	
Customer/ No.: igus GmbH	
Series / No.: E4.56 with 56.6 and E4.80 with 80.6	Installation type: comparison of opening force
Goal: Compare the opening force that an E4.56 withstands with the new locking notch separator 56.6 and without and for the E4.80 with and without the 80.6	

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

Experimental setup (Sketch, Photo ...)

A chain link with an inner width of 200mm is clamped in a test machine repeatedly for both series. The crossbars are then pulled with an increasing force until they open or break.



For internal 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.

- Original → Test Lab
- Engineering & Design
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Investigational procedure

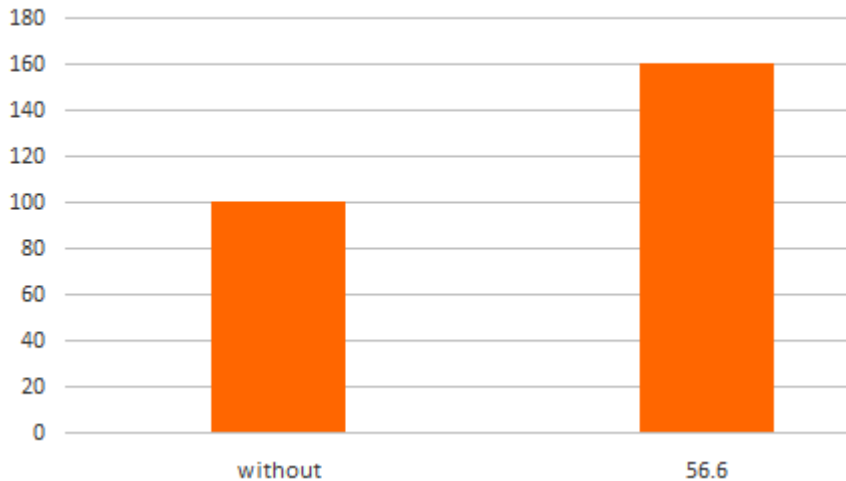
From: 08.04.15

To: 08.04.15

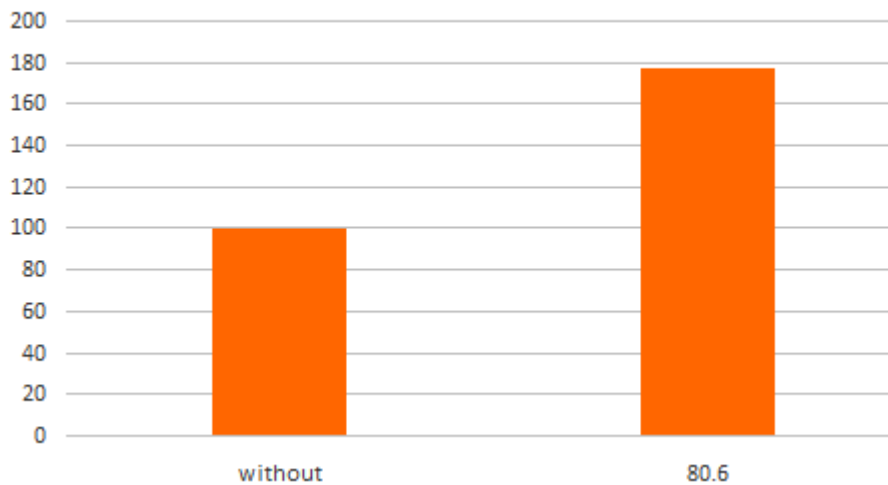
Examiner:

Result

Opening force E4.56 [%]



Opening force E4.80 [%]



Report: Sheets

Evaluation

The opening force that the e-chain link can withstand increases by 60% for the E4.56 and 77% for the E4.80 if one locking notch separator is used in the middle of the e-chain.

Name:

Date: 08.04.15

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