

**Client:**

Name: Igus GmbH	Team: Sales	Date: 15.01.2014	Result: 28.01.2014
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**Order-Info:**

Customer/ No.:

Series / No: 1400.080.038.0, and 1400.080.038.0 with 1500.LOCK	Installation type: opening force
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Goal: determine the max. needed force to pull out the crossbars of the e-chain with and without the use of the 1500.locks.

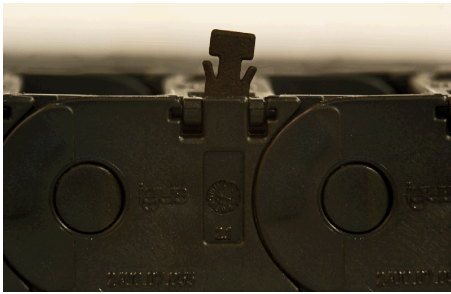
Technical data	Series data
Length [links] or [m]:	
Additional load [kg/m]:	Prod.-date:
Chain weight [kg/m]:	Origin: <input checked="" type="checkbox"/> Stock <input type="checkbox"/> Production <input type="checkbox"/> Customer
Temperature [°C]:	- Other:
a acceleration [m/sec <sup>2</sup> ]:	tempered <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Mounting brackets:	conditioned <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Filling (Sketch-No.):	

Cycles	v Speed [m/s]	Remark:

**Experimental setup (Sketch, Photo ...)**



Photo : experimental setup



igus lock

**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  
Copy 1 → Konstruktion  
Copy 2 → Client

## Investigational procedure

From: 28.01.2014

To: 28.01.2014

Examiner: Igus laboratory

## Result

### Opening force

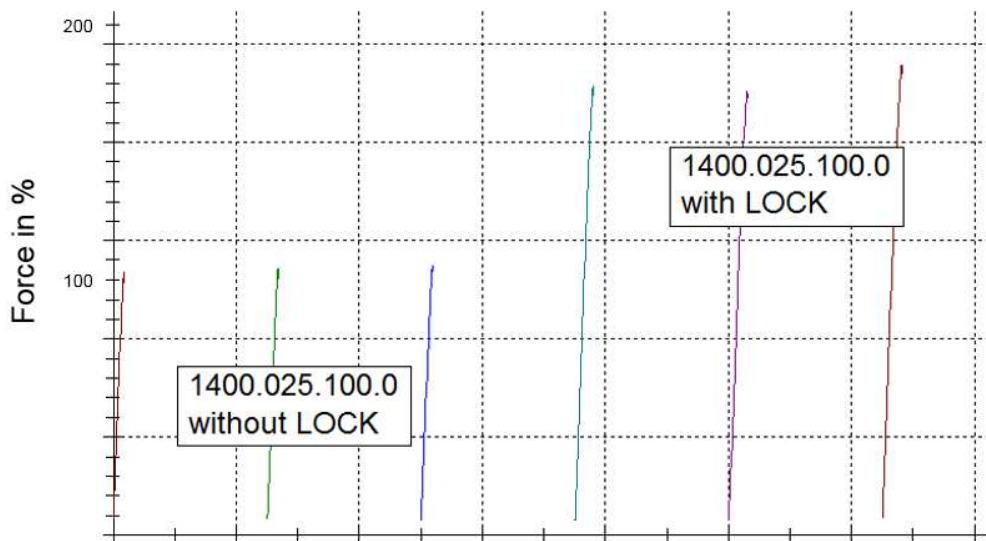
∅ Opening force

1400.080.038.0

100 %

1400.080.038.0 with locks

174 %



Report: Sheets

## Evaluation

The strength of the e-chain crossbars of the E2/000 series is much stronger when the locks are installed in the e-chain. The E2/000 locks increase the strength against an opening force by 74%. However, once the locks are installed in the e-chain it cannot be opened anymore.

Name: **igus laboratory**

Date: 28.01.2014

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