



Company  
For the att. of Mr.  
Street  
City  
Country

MW2013105

Herentals , 2/12/2013

Betr.: Invitation for Training Seminar on 2 and 3 and 4 April 2014

Dear Mr. ,

The Nedform Academy, an initiative of Nedschroef Machinery, organizes for engineers, masters and technicians, a training seminar on tooling and process development with the theme " Metal Forming Technology : from theory to practice" .  
You are invited to this seminar on 3, 4 and 5 April 2014.

We offer you an extensive programme ! More details can be found on the enclosed information sheet!

If you are interested to attend this seminar, could you please complete the attached Registration Form and send it per fax at your earliest conveniences.

Please note as follows:

- Closing date : Jan. 30, 2014
- Max. participants: 25, min. 10 participants
- On first come, first serve basis
- Participants of this seminar receive a free online use on ' Calculation of pre-stressed dies'- please see enclosed document.

We look forward to welcome you on this seminar and wish you already a safe journey!

Yours sincerely,

Monique Weuts  
General Support

Ferdinand Kersten  
Director Nedform Academy

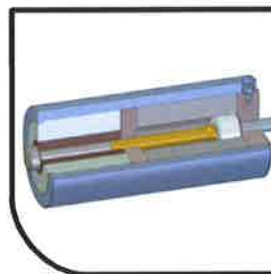
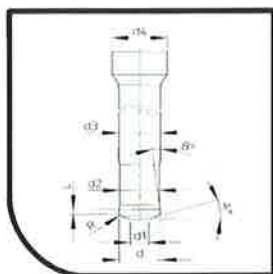
Enclosed :

- Brochure Nedform Academy
- Registration Form
- Information sheet
- Calculation of pre-stressed dies

**Nedform Academy**

**Metal Forming Technology:  
From theory to practice**

Training seminar on  
Tooling and process development



# Metal Forming Technology: From theory to practice

## ■ Agenda Day 1

- 09.00 Greeting and presentation of the participants
- 09.30 Machining versus coldforming
- 10.15 Break
- 10.45 Materials
- 12.30 Lunch
- 13.30 Basic information force, energy, mechanisms
- 15.15 Break
- 15.45 Basic information force, energy, mechanisms
- 17.00 Conclusion Day 1

## ■ Agenda Day 2

- 09.00 Basic information force, energy, mechanisms
- 10.15 Break
- 10.45 Progression development- tool materials
- 12.30 Lunch
- 13.30 Prestressing of dies
- 15.15 Break
- 16.00 Machine kinematics
- 17.00 Conclusion Day 2

## ■ Agenda Day 3

- 09.00 Tool design
- 10.15 Break
- 10.45 Tool examples for the production of complex parts
- 12.30 Lunch
- 13.30 Tips and Tricks
- 14.30 Summary and end conclusion

## ■ Seminar Materials

- Handbook
- Access Online-Tool  
The participants of this seminar will receive free access to an unique calculation programme developed by Nedschroef Herentals. It can be used on the internet with your personal registration data, For more details, see attachment;

## ■ Meeting Location

- The Nedform Academy is located in the building of Nedschroef Machinery, Brigandsstraat 10, B-2200 Herentals, Belgium. You are staying in Hotel Aldhem in Grobbendonk +/- 10 minutes from Nedschroef Machinery.

## ■ Hotel Guest Rooms

- Hotel Aldhem  
Jagersdreef 1  
2280 Grobbendonk  
Tel +32 14 501001  
Fax +32 14 501013  
www.alnhem.be

## ■ Seminar Fee and registration

- The price to participate is € 2000 excl. 19 % VAT  
This price includes the seminar and 3 nights in hotel (3, 4 and 5 April 2014), 3 x lunch, 3 x diners with drinks during the seminar,

### Registration :

Could you, please complete the enclosed document and send it to [nedformacademy@nedschroef.be](mailto:nedformacademy@nedschroef.be) – before January 30, 2014.

## ■ Contact persons

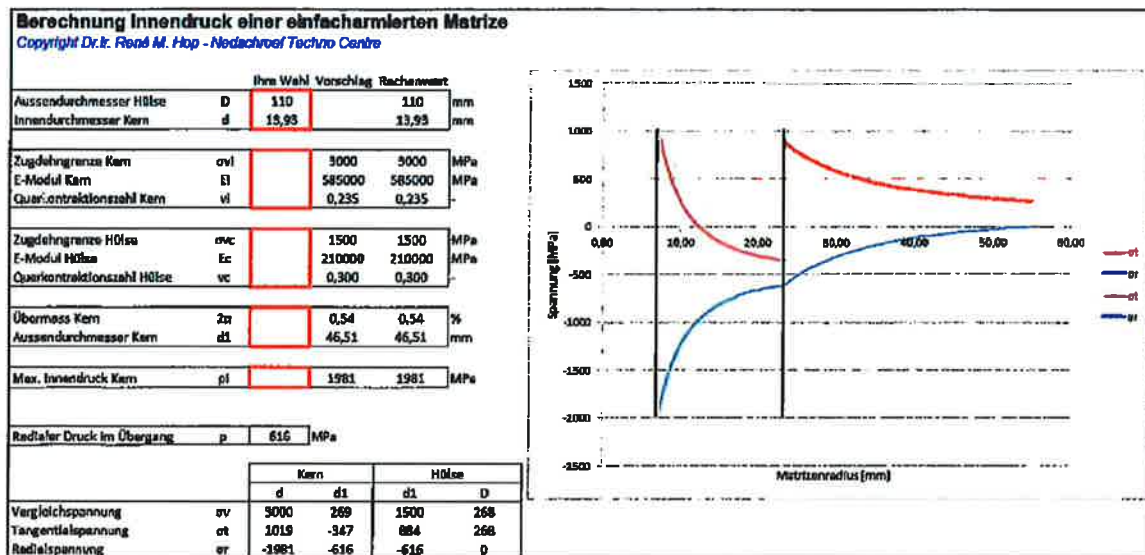
- For any further questions on this seminar, please contact tel: +3214257141 Monique Weuts, e-mail [Monique.Weuts@nedschroef.be](mailto:Monique.Weuts@nedschroef.be) or Ferdinand Kersten +3214257156, e-mail [Ferry.Kersten@nedschroef.be](mailto:Ferry.Kersten@nedschroef.be)

## Calculation of Pre-stressed Dies

Cold forming processes cause high internal pressures on the dies. These internal pressures lead to high stresses in the dies, which easily induce tool breakage. To increase the allowable internal pressure in the die, the dies are usually pre-stressed by pressing the die insert in one or more rings.

The newly developed program not only calculates the stresses in radial pre-stressed dies, but also the optimum die diameter and the interference of the die diameter before pressing it into the ring. The maximum allowable internal pressure in the die is the goal of this optimisation. The program also takes the actual mechanical properties of the die and shrink ring materials into consideration, as well as factory internal standard values for a surplus of the die diameter and the use of standardised die diameters.

The calculated radial and circumferential stress in the die and in the shrink rings are graphically displayed.



**REGISTRATION FORM to faxnumber+ 32 14 21 29 36**

Nedschroef Machinery  
Nedform Academy  
For the att. Monique Weuts /Ferdinand Kersten  
Brigandstraat 10  
B-2200 Herentals  
Belgium

**REGISTRATION FORM**

We hereby confirm that the following person will register for the Seminar :

**Metal Forming Technology  
' From theory to practice '**

on 2, 3 and 4 April 2014

In the conference rooms of Nedschroef Machinery.

Company:	
Name of the participant:	
Function :	
Streetname	
Zip Code and City	
State	
Telephone, Telefax:	
E-Mail:	
VAT NUMBER :	

Date:

Signature

**The invoice has to be considered as your confirmation of the registration.**

**Paymend method:**

Please wire the amount of € 2.000 + 19 % VAT per participant to the account number of Nedschroef Herentals N.V. at number .  
IBAN BE24 4134 5066 0138, BIC KRED BE BB