

TRAINING CUSTOMER SERVICE / SERVICE



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AT FIBRO IN HASSMERSHEIM

1 GDF 1 Gas springs

2 GDF 2 Gas spring without refit3 StGDF 1 Controllable gas springs

4 GNS 1 Flex cam system5 VBS 1 Connector system

6 BetrSichV 1 German Ordinance on Industrial Safety and Health

7 GDF 6 Gas spring without refit

Information on PED and BetrSichV

8 HSP 1 Manual hose press



ONSITE AT THE CUSTOMER'S LOCATION

9 GDF 3 Gas spring without refit

10 GDF 4 Gas springs

11 GDF 5 Gas spring without refit

Information on PED and BetrSichV

12 StGDF 2 Controllable gas springs

13 GNS 2 Flex cam system

14 BetrSichV 2 German Ordinance on Industrial Safety and Health

15 HSP 2 Manual hose press

16 FETU FIBRO Electronic Tapping Unit

- Electronic thread tapping

17 WPM Wireless Pressure Monitoring System

TRAINING COURSES AT FIBRO HASSMERSHEIM

ALL OFFERS ARE VALID FOR:

- 1.) A REGISTERED CUSTOMER NUMBER
- 2 A GROUP WITH 1-5 PARTICIPANTS
 CATERING INCLUDED*

*CATERING CONSISTS OF BREAKFAST WITH DRINKS AS WELL AS LUNCH (FOR COURSES LONGER THAN 3.5 HOURS)

FIXED PRICE UPON REQUEST



DURATION: 6 HOURS INCLUDING BREAK

- Structure and function of FIBRO gas springs
- Organization into assembly-specific groups:
 - a) Disassembly or set-up from above

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2480.
        12./13. 21. 22.1 23. 31. 32. 33. 82.
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2481.

12./13.

2484.

12./13.

2485. 12./13.

2486.

12

2487. 12. 82.

2488.

12, 13,

b) Disassembly or set-up from below

2490.

14.01000. - 18300.

2496.

12.

c) Handling of non-repairable gas springs

2479.030 / 031. / 032. / 034.

2482.74.

2490.14.00420. - 00750

- Dismantling and re-erection of one spring per group (a) and (b)
- FIBRO gas springs in a combined system
- Fault detection and corrective measures
- Hassmersheim factory tour

DURATION: 5 HOURS INCLUDING BREAK

- Handling/working with gas springs
- Installation guidelines
- Trouble shooting Guide
- Filling/Draining
- Connector system Minimess/Micromess
- Hassmersheim factory tour

3 StGDF 1

DURATION: 5 HOURS INCLUDING BREAK

Theory

- a) Design and mode of operation of controllable gas springs
- b) Explanation of the control times and control options
- c) Cooling controllable gas springs
- d) Accessories and connection options of controllable gas springs incl. air and cooling

Practice

- a) Practical instruction of hose connection in different variants
- b) Filling and draining the combined systems
- c) Trouble shooting Guide
- Hassmersheim factory tour



4 GNS 1

DURATION: 5 HOURS INCLUDING BREAK

Theory

- a) Structure and function of flex cam systems
- b) Presentation of the different flex cam types
- c) Combined arrangement
- d) Flex cam system accessories

Practice

- a) Practical instruction in different variants
- b) Filling and draining the combined systems
- c) Trouble shooting Guide

5 VBS 1

DURATION: 3 HOURS INCLUDING BREAK

- Training for safe operation of the FIBRO manual hose press machine
- Lay out and production of hoses
- Set-up of FIBRO gas spring accessories
- Hassmersheim factory tour

6 BETRSICHV

DURATION: 5,5 HOURS INCLUDING BREAK

- Topics of the gas springs training (GDF)
- Topics of the controllable gas springs training (StGDF)
- Topics of the flex cam systems training (GNS)
- General topics
- Theory of BetrSichV
- Hassmersheim factory tour

7 GDF 6

DURATION: 4 HOURS INCLUDING BREAK

- Handling/working with gas springs
- Installation guidelines
- Trouble shooting Guide
- Filling/Draining
- Combined systems Minimess/Micromess
- Information on PED and BetrSichV
- Hassmersheim factory tour



8 HSP 1

DURATION: 3,5 HOURS INCLUDING BREAK

- Training for the safe operation of the FIBRO manual hose crimping machine
- Lay out and production of hoses
- Set-up of FIBRO gas spring accessories
- Hassmersheim factory tour

TRAINING COURSES ONSITE AT THE CUSTOMER'S LOCATION

ALL OFFERS ARE VALID FOR:

- 1.) A REGISTERED CUSTOMER NUMBER
- 2 A GROUP WITH 1-5 PARTICIPANTS

WE WILL BE PLEASED TO MAKE YOU AN INDIVIDUAL OFFER



DURATION: 2,5 HOURS

- Handling/working with gas springs
- Installation guidelines
- Trouble shooting Guide
- Filling/Draining
- Connector system Minimess/Micromess

10 GDF 4

DURATION: 6 HOURS

- Structure and function of FIBRO gas springs
- Organization into assembly-specific groups:
 - a) Disassembly or set-up from above

2480. 12./13. 21. 22.1 23. 31. 32. 33. 82.

2481. 12./13.

2484. 12./13.

2485. 12./13.

2486. 12

2487. 12. 82.

2488. 12. 13.

b) Disassembly or set-up from below

2490. 14.01000. - 18300.

2496. 12.

c) Handling of non-repairable gas springs

2479.030 / 031. / 032. / 034.

2482.74.

2490.14.00420. - 00750

- Dismantling and re-erection of one spring per group (a) and (b)
- FIBRO gas springs in a combined system
- Error detection and corrective measures

DURATION: 2,75 HOURS

- Handling/working with gas springs
- Installation guidelines
- Trouble shooting Guide
- Filling/Draining
- Combined systems Minimess/Micromess
- Information on PED and BetrSichV

12 StGDF 2

DURATION: 4 HOURS

Theory

- a) Design and mode of operation of controllable gas springs
- b) Explanation of the control times and control options
- c) Cooling controllable gas springs
- d) Accessories and connection options of controllable gas springs incl. air and cooling

Practice

- a) Practical instruction of hose connection in different variants
- b) Filling and draining the combined systems
- c) Trouble shooting Guide



13 GNS 2

DURATION: 3 HOURS

Theory

- a) Structure and function of flex cam systems
- b) Presentation of the different flex cam types
- c) Combined arrangement
- d) Flex cam system accessories

Practice

- a) Practical instruction in different variants
- b) Filling and draining the combined systems
- c) Trouble shooting Guide

14 BETRSICHV 2

DURATION: 4 HOURS

- Topics of the gas springs training (GDFTopics of the gas springs training)
- Topics of the controllable gas springs training (StGDF)
- Topics of the flex cam systems training (GNS)
- General topics
- Theory of BetrSichV

15 HSP 2

DURATION: 2,5 HOURS

- Training for the safe operation of the FIBRO manual hose crimping machine
- Lay out and production of hoses
- Set-up of FIBRO gas spring accessoriesr

16 FETU

DURATION: 2,5 HOURS

- Set-up, operation and handling, of the tapping unit
- Programming of new tools
- Error recognition and troubleshooting

17 WPM

DURATION: 5 HOURS

Prerequisite for this training is a registered GATEWAY, IoT

Part 1: Fundamentals of gas springs/hardware

- Gas springs training 3 (2. hrs.)
- Working with gas springs
- Installation guidelines
- Set-up of WPM accessories
- Filling/Draining

Part 2: Gateway, IoT/Software

- Technical fundamentals and general functionality
- Definition
- Connecting the gateway, IoT, to a PC and initial setup
- Software registration (optional)
- Notes on connecting with a PLC control unit
- WPM-APP functionality
- Independent setup of a system with data storage device and sensor

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