



ACADEMY

FIT FOR NEW STANDARDS

The new construction standard DIN EN 1090: quickly and simply to the CE mark



MESSER
Cutting Systems

THE NEW DIN EN 1090 – WE MAKE YOU FIT FOR THE NEW STEEL CONSTRUCTION STANDARD!

CONTENTS OF OUR TRAINING IN THE MESSER CUTTING SYSTEMS ACADEMY

- Detailed introduction to the DIN EN 1090 1+2
- Implications of DIN EN 1090 on flame cutting shops
- Introduction to factory production control (FPC) processes and duties
- Small material certificate to DIN EN 10025
- Introduction to flame straightening
- Introduction to flame preheating
- Optimised flame cutting processes
- Avoiding flame cutting defects

CONTACT: ASK ABOUT OUR "COMPREHENSIVE DIN EN 1090 NO WORRIES PACKAGE"!

You are interested? Simply call us or write us an e-mail.
We will gladly answer your questions.

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FIT FOR EXCELLENCE.

USE PRODUCTS FROM MESSER CUTTING SYSTEMS EFFECTIVELY

We have opened the Messer Cutting Systems Academy in Gross-Umstadt so that your operator is also fit for excellence. Here, we will pass on to you or your operator knowledge and expertise in dealing with your equipment, plant and software.

TO OUR CUSTOMERS IN THE MESSER CUTTING ACADEMY WE OFFER

- >> The preparation of Messer technical know-how in a comprehensive training plan
- >> The documentation of our company's own technical knowledge and its presentation in optimised training documents
- >> Technically and didactically trained staff (in cooperation with the TU Dortmund, SLV Hannover, GSI Dortmund)
- >> Access to an online system for independent learning and knowledge management (E-Learning)
- >> Tips and tricks for even better and faster cutting
- >> Now additional personnel qualification scheme according to EN 1090-1-6 3.2 section 2 for topics thermal cutting, flame straightening and other procedures.

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Messer Cutting Systems

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Educational institution certified by the German Welding Society

DVS PERSZERT



Obligatory for all load-bearing steel and Aluminium structures: CE marks

WE WILL GET YOU FIT IN GOOD TIME FOR THE NEW STEEL CONSTRUCTION STANDARD

HOW? QUITE SIMPLY WITH OUR "COMPREHENSIVE NO WORRIES PACKAGE", THE CONSULTANCY TRAINING TO DIN EN 1090

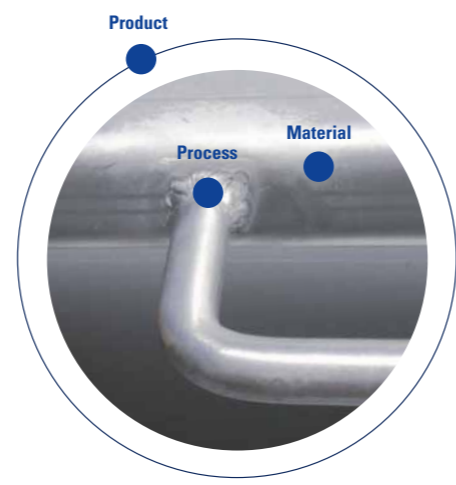
Our training will get you fit for the new steel construction standard. We advise and support you in the conversion of your factory production control (FPC) and explain what you have to take care of in the documentation. Our training gives you the knowledge to be able to mark your products with the CE symbol yourselves. Profit from our seminar offer: make full use of the competitive advantages by getting certified promptly.

THE NEW STEEL CONSTRUCTION STANDARD DIN EN 1090: YOU ASK, WE ANSWER

In 2014 at the latest, the new European steel construction standard will take effect. For all load-carrying steel and Aluminium structures a CE mark will then be obligatory. The previous national standards for the execution and production qualification of building elements and constructions of steel to DIN 18800-7 and Aluminium to DIN V 4113-3 were replaced by the European standard series DIN EN 1090ff from July 2012. The transition period for implementing DIN EN 1090 ends in July 2014. But already now many customers are demanding for the new standard to be met and for new construction projects it has already taken effect from July 2012.

DUTIES:

1. Establish a factory production control (FPC)
2. Involve suppliers in the FPC
3. Initial testing of the product.



THE NEW DIN EN 1090

WHO IS AFFECTED?

In the future, it is obligatory for producers of load carriers from steel or Aluminium Europe wide to identify their products with the CE mark and to produce them in conformity with the new DIN EN 1090-1 in conjunction with DIN EN 1090-2 for steel or DIN EN 1090-3 for Aluminium. Specifically, this applies to manufacturers of halls, bridges, roofs, flying constructions, wind towers, stairs, platforms, balconies et al..

WHAT DOES THE NEW STANDARD SAY?

DIN EN 1090-1:2012-02

regulates as a harmonised standard the conformity certification for steel, Aluminium and combination load-bearing constructions of steel and concrete, both produced as serial and one-off production as well as construction modules. In addition it demands documented evidence of conformity that the staff has been adequately qualified and trained.

DIN EN 1090-2:2011-10

contains technical rules for the execution of load-bearing steel constructions and replaces all previous standards for this section as well as partially replacing DIN 18800-7:2008.

DIN EN 1090-3: 2008-06

contains technical rules for the execution of load-bearing Aluminium constructions and partially replaces DIN V 4113-3.

The overriding goal of DIN EN 1090 is to reduce trade barriers within the EU and to achieve the same requirements for all products traded in the European region.

WHAT CHANGES, WHAT STAYS?

The most important innovations at a glance:

- >> Instead of the manufacturing classes A-E to DIN 18800-7 or A-C to DIN V 4113-3 there are now the execution classes EXC1 to EXC4.
- >> The welding certification to DIN 18000-7 loses its validity. It is replaced by the system of factory production control (FPC) and now includes in writing all specified production processes (e.g. cutting, welding, related processes, corrosion protection and mechanical fasteners).
- >> The responsibilities, authorisation and interaction of all employees who carry out a management, operating or supervising role which has any influence upon the conformity have to be established.
- >> The manufacturer has to ensure there are work samples.
- >> A written plan for monitoring and testing for the components produced must be implemented.
- >> Uncertified sub-suppliers must be incorporated into the FPC system of the manufacturer.

WHAT IS A FACTORY PRODUCTION CONTROL (FPC)?

FPC means the consistent internal monitoring of the products by the manufacturer. The manufacturer must have this internal production quality control evaluated and certified by an independent test and certification body.

WHAT ARE THE DUTIES OF THE MANUFACTURER?

The duties of the manufacturer include the initial testing of the product, setting up an internal production quality control (FPC) and testing samples to a set testing plan conscientiously.

WHO MAY CREATE A CE MARK?

For the area of load-bearing steel and Aluminium components, no independent source must be involved in the conformity evaluation for the CE mark after the successful initial certification by an authorised body.