

technology consultancy



MSA's electrofusion technology consultancy package is a comprehensive guide to producing electrofusion fittings, and includes CAD design of fittings and relevant components, as well as preliminary electrical data.

PACKAGE CONTENTS

component design

- study of requirements, including specifications and markets
- component moulding drawings
- drawings of terminal pins, snap rings (if required) and other associated items
- initial electrical characteristics, including wire type and size, fusion details and fitting resistance details (spreadsheet format) - data will need fine tuning after testing to meet exact requirements
- machine programmed with all components to be produced (programs based on initial electrical data)
- machine tool layout drawings for each part (supplied as .pdf files)

PACKAGE CONTENTS cont/d.

quality control & production documentation, including...

- process overview
- electrofusion terminology
- pipe stop requirements
- terminal pin assembly (*as required*)
- wire joining for elbow fittings (*as required*)
- fitting electrical parameters overview
- quality control plan - testing requirements and procedures
- information on marking requirements and barcodes
- installation procedures and quality checks for electrofusion fittings

MSA barcode creator software

- software for creating 24-bit fusion barcodes and fitting traceability barcodes

technical support

- 12 months technical support (by phone, fax or email)

PROGRAMME & TIMESCALES

- Moulding drawings will be supplied initially after a reasonable agreed time period.
- Drawings of other items (terminal pins, snap rings etc.) will also be supplied as required within a reasonable time period.
- Initial electrical characteristics will be supplied after wire laying on customers sample.
- Design of fittings is to standard ISO-8085-3, with part reference to prEN1555-3 (other standards can be accommodated).
- The quality control programme covers advice on all test requirements, but does not include actual testing of fittings. Please note that full third party testing at an approved test house is costly - this may not be a requirement depending on local issues and how the customer sets up their internal quality control and test facilities.
- Tooling for the production of fittings will be determined by the final fitting design. After the completion of this stage, the tooling design and manufacture can be finalised. There may be slight changes to the tooling details depending on the design.
- Customer is responsible for the design of injection moulds and moulding conditions. As we do not have control over these, or the material of construction, it may be necessary to adjust the designs to meet the absolute criteria of the specifications.

PAYMENT INFORMATION

- Initial information will be released after receipt of a deposit payment.

PROCESS & EQUIPMENT PROTECTED BY PATENTS: EP1042108 | E215874 | P19813752-B | 2,312,374 | ZL98812630.3 | 215588 | 136,935 | 2000-526336 | 10-0616469 | 220759 | P341526 | ES217365773 | 04/2320 | US 6,530,139 B1 | US 6,751,840 B2 | US 7,069,637 B2 | PCT/GB2008/050487 | 08290385 | 57411



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