



MATERIAL VERIFICATION/DATA SHEET **STENCA FLEX CONNECTION**

Application:

Stenca Flex Connection (also called Firetex Skirt Seal) is developed to accommodate fire and blast conditions, and provide protection against hazard environments such as those experienced offshore. The product likewise allows a higher degree of movement.

Facing:

The Stenca Flex Connection consists of an inner layer Standard Firetex Seal Layer covered with a layer of ceramic fibre blanket.

Available Fire Rates:

A single flex skirt installation provides A0 and H0 protection.
A double flex skirt installation is for application of A60 through to H120.

Density:

Density depends on fire rates.

Blast overpressure:

Stenca Flex Connection has been proven to withstand blast overpressures up to 1.16 bar g.

Sizes:

Stenca Flex Connection are manufactured to suit and supplied in straight lengths with ends prepared for jointing. The products are made after customer specification and can be delivered in almost all sizes.

Certification and quality control:

The Stenca Flex connection is manufactured with strict quality control procedures and practices in accordance to requirements of ISO 9001-2000. All products have been tested and achieved necessary certification.

Stenca Trading A/S

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Sales offices:

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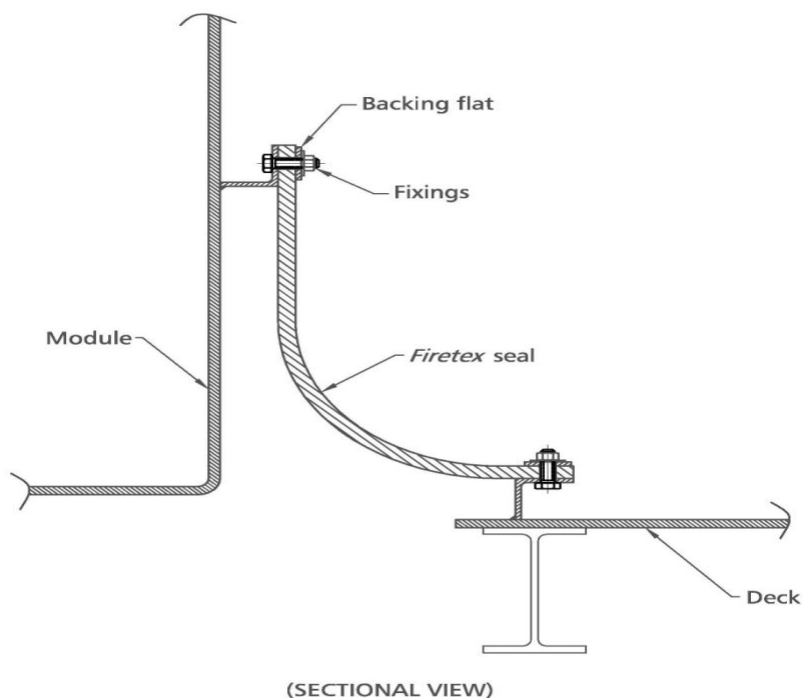
www.stenca.com

Lloyd's Register	
CERTIFICATE OF FIRE APPROVAL	
This is to certify that	
The product(s) detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations for use on offshore installations classed with Lloyd's Register, and for use on offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.	
Manufacturer	MCL Unites Ltd.
Address	MCL House Adams Close Hessner Gate Industrial Estate Hessner Derbyshire, S27 7SU United Kingdom (UK)
Type	PIPE PENETRATION (HYDROCARBON FIRE TEST)
Equipment Description	Single Pipe Penetration - Type: "FIRETEX Multi-Layer Fabric Seal"
Specified Standard	IMO Resolution A.517(13) and UK Department of Energy Hydrocarbon Time/Temperature Relationship
The attached Design Approval Document forms part of this certificate. This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Approval Document are complied with and the equipment remains satisfactory in service.	
Date of issue	30 November 2004
Expiry date	29 November 2009
Certificate No.	SAS F04043
Signed	
Sheet No.	1 of 2
Name	R. McDonald Supervisor to Lloyd's Register EMEA A Member of the Lloyd's Register Group
Note: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.	
THIS DOCUMENT IS SUBJECT TO THE PROVISIONS ON THE REVERSE	

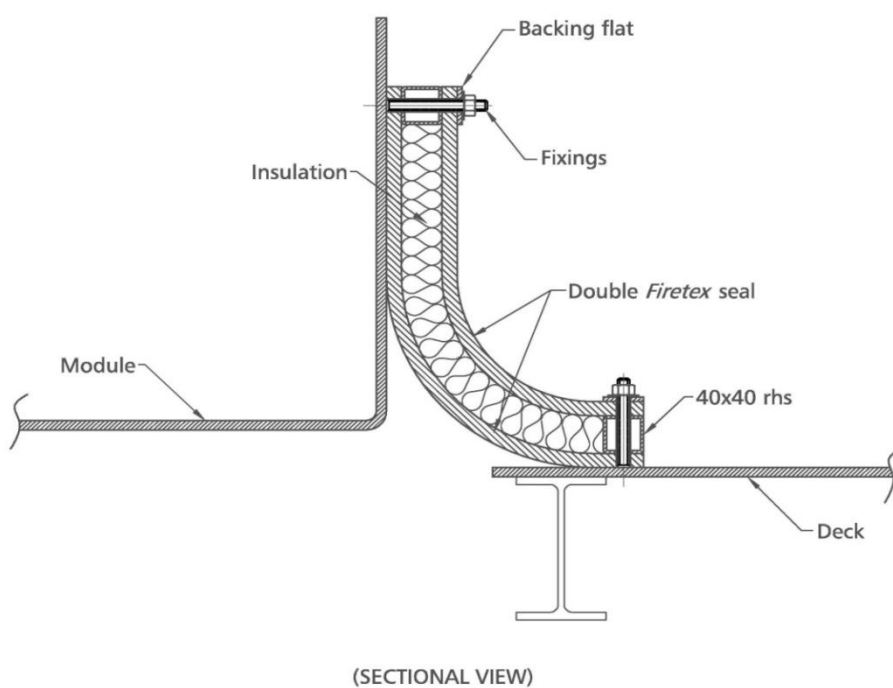


MATERIAL TECHNICAL DATA STENCA FLEX CONNECTION

A Single Flex Skirt connection:



A Double Flex Skirt connection:



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