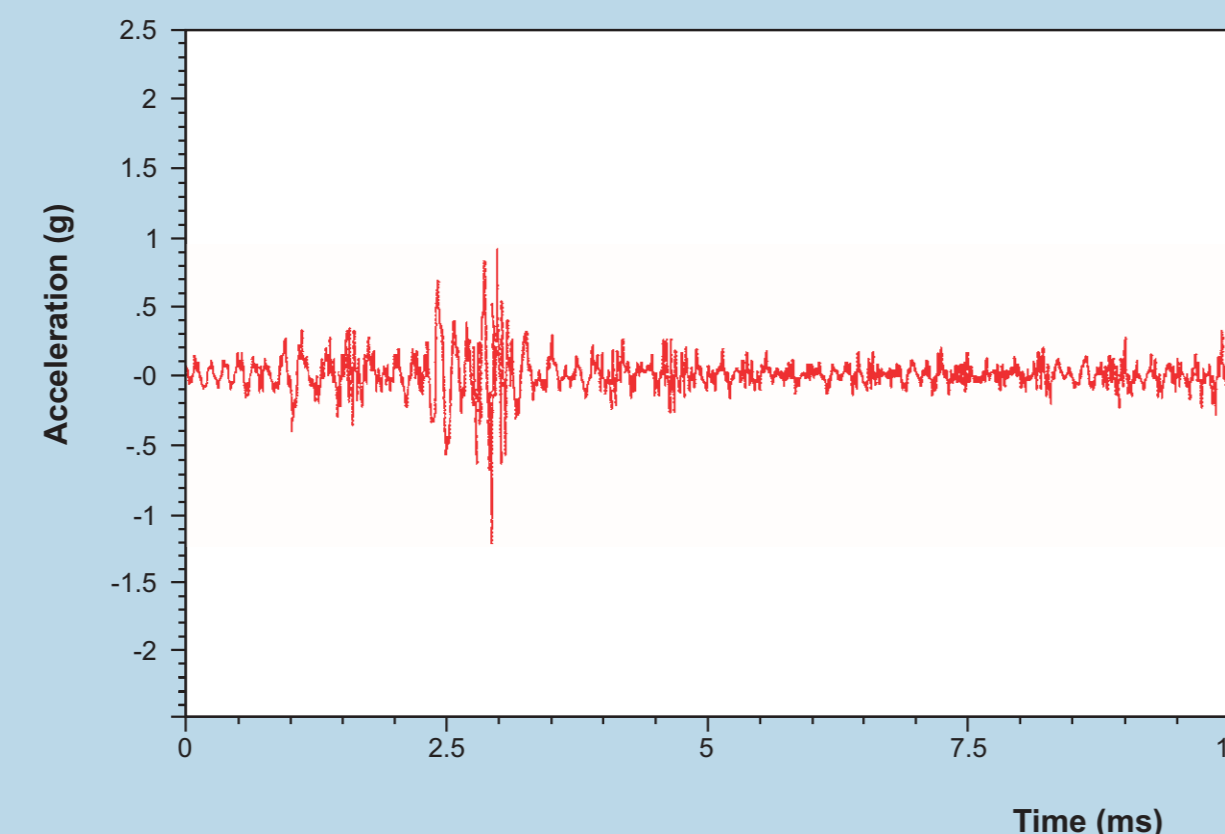
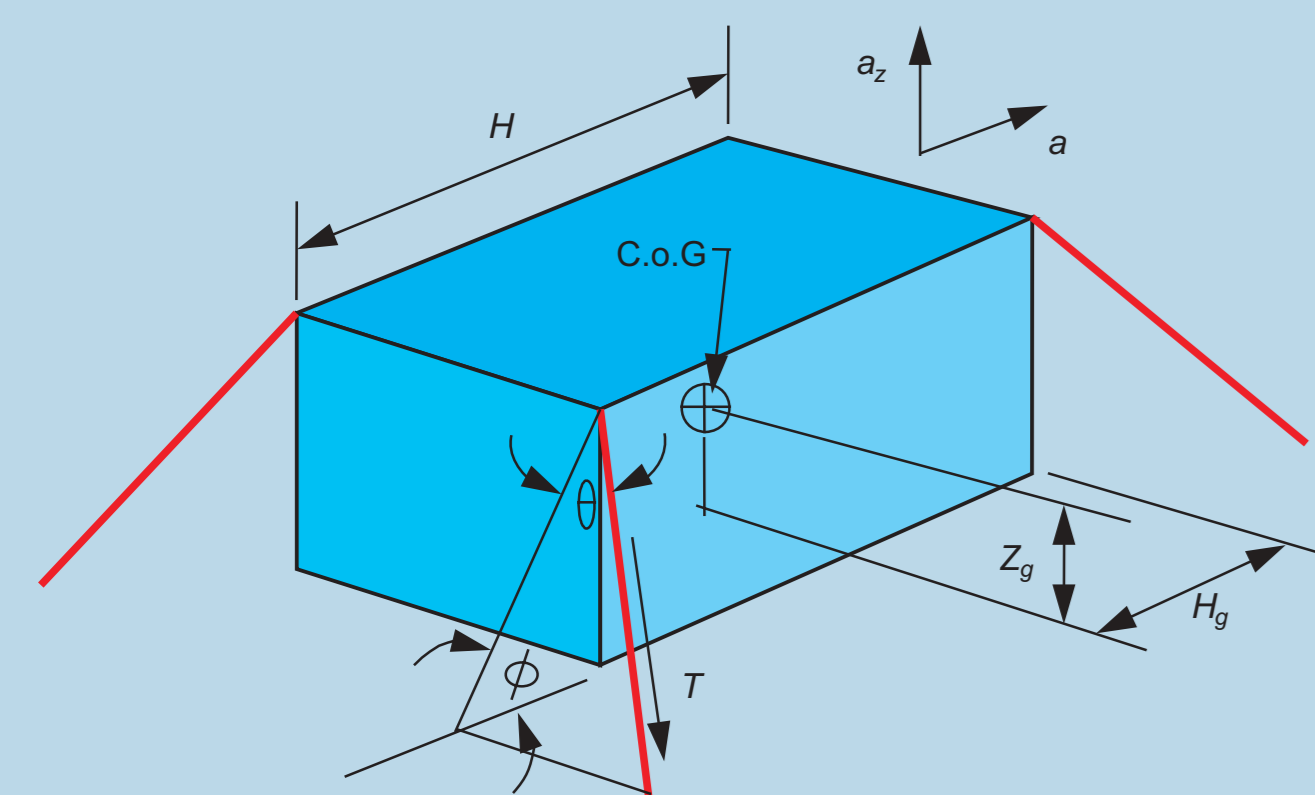


Safe Transport of Radioactive Material

Industry Codes of Practice for the United Kingdom

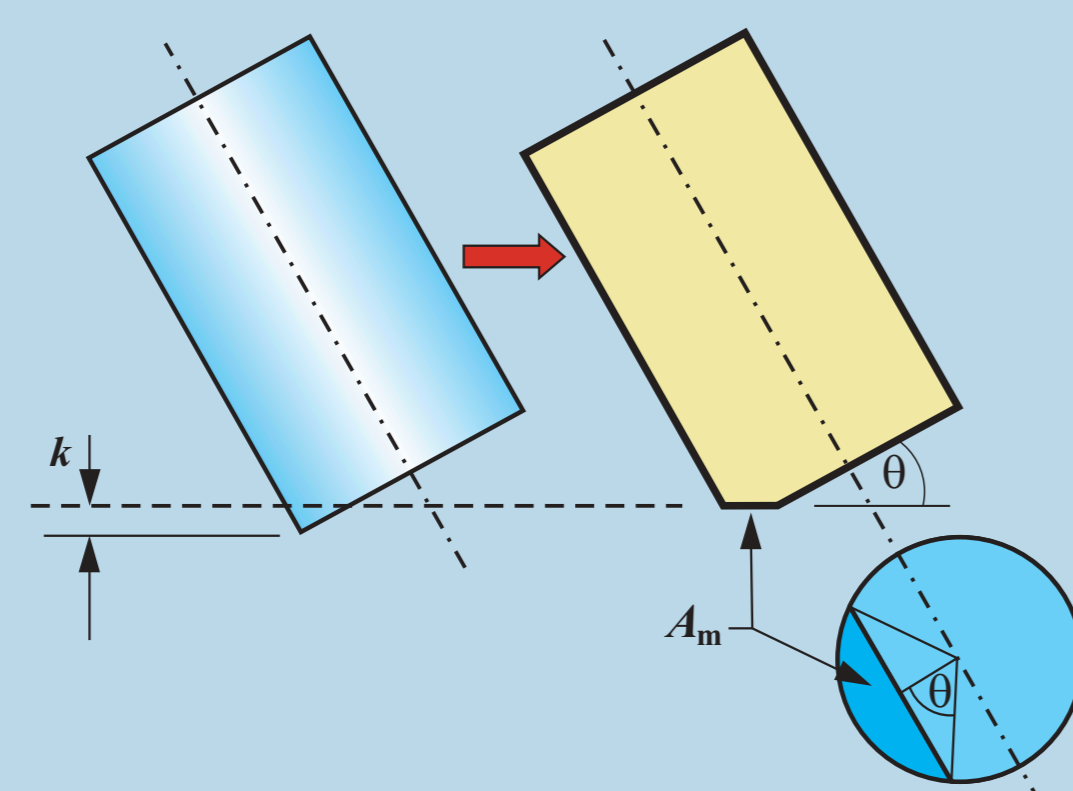
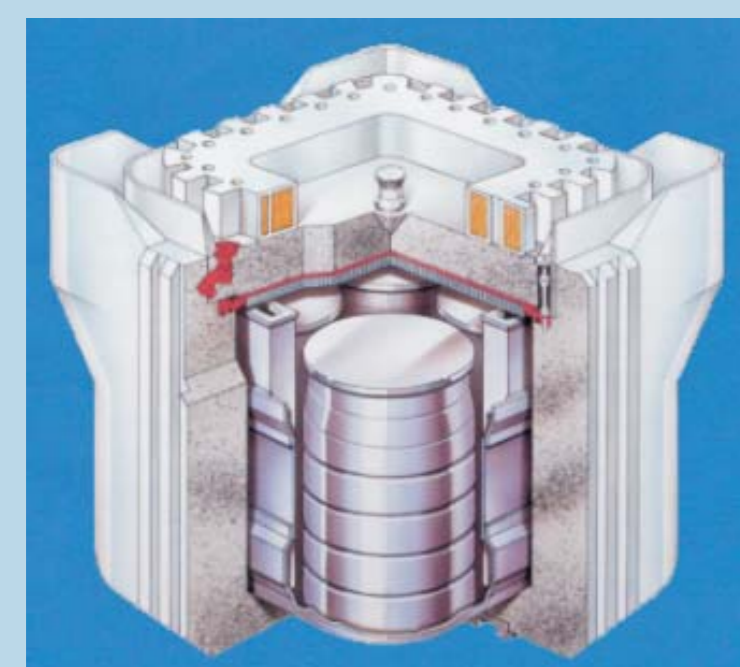
TCSC 1006 - Tiedown Design

guidance on the design and operation of package tie-down systems. It suggests suitable stress limits, provides fatigue data together with simple methods for calculating design load.



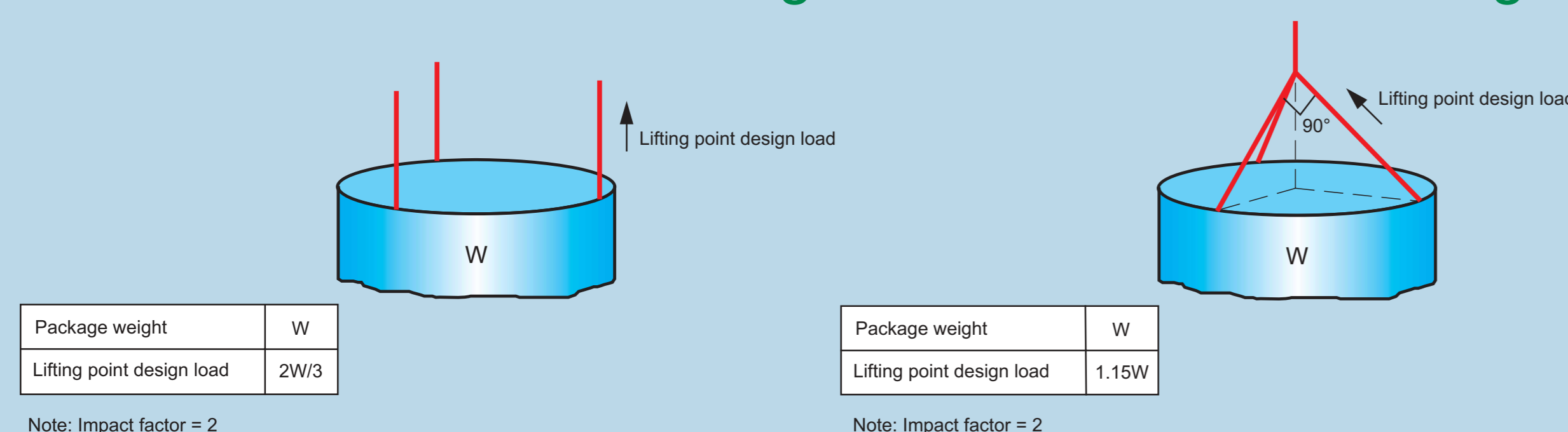
TCSC 1042 - Design of Packaging

comprehensive advice and data useful to package designers. The code provide guidance and information on criticality, containment, shielding, thermal and impact performance to meet the regulatory requirements and includes information on miscellaneous related issues such as lightweight packages.



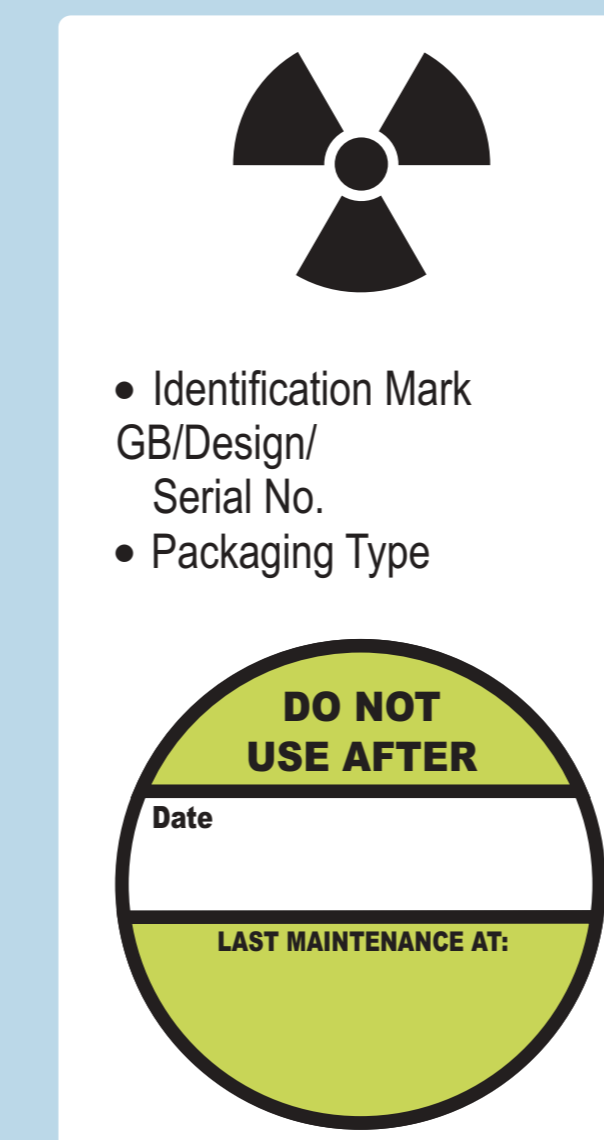
TCSC 1079 - Lifting Points

makes recommendations on design, testing and inspection, and includes a detailed guide to the application of BS 2573. This code has been recently updated to reference the requirements of LOLER & PUWER regulations. The appendix gives general methods for the correct design of welded and bolted lugs.



TCSC 1073

Marking and Labelling is a summary of the legal requirements, together with recommendations for good practice for marking, labelling and placarding to meet the National, European and International Regulations.



TCSC 1078 - Requirements for Approval

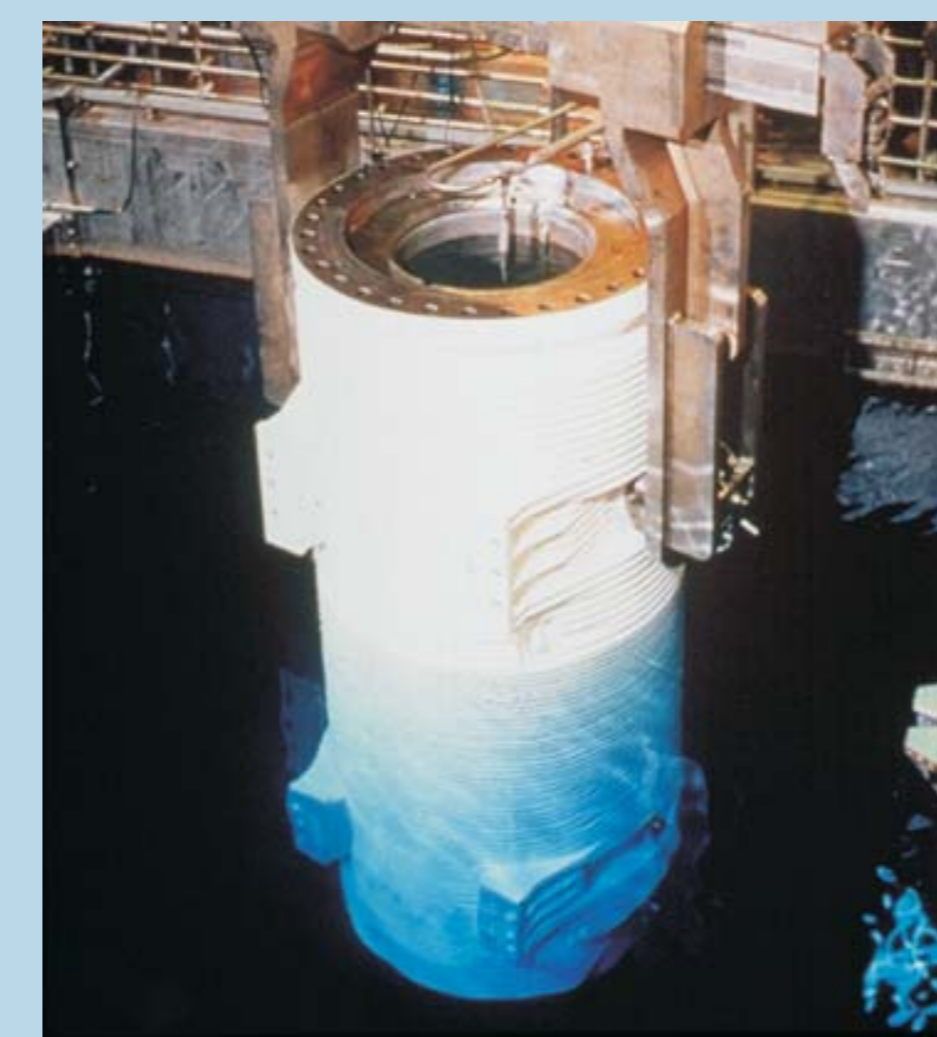
provides guidance for approving a package by self approval or others than the Competent Authority, i.e. for packages other than Type B and Type C. It also contains a suggested format for the Design Safety Report.

TCSC 1080 - Finishing Systems

a comprehensive guide on the specification and application of coating systems to a range of commonly encountered surfaces, which, despite the title, are not limited to transport containers.

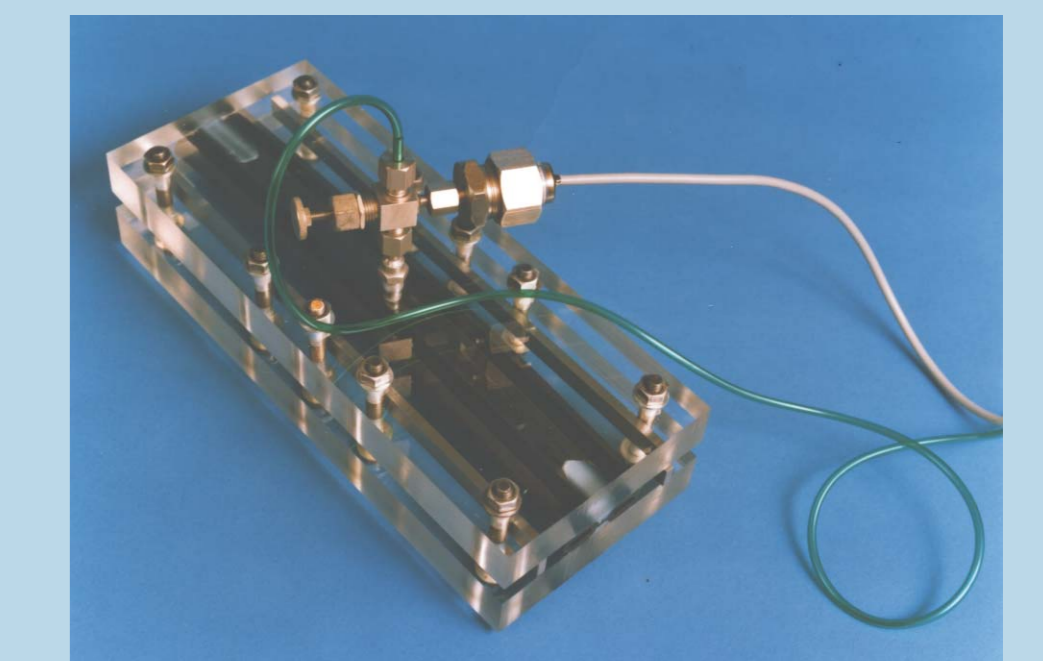
TCSC 1087 - Finite Element Analysis

this Guide sets out current 'good' practice in using explicit Finite Element Method for the analysis of impact behaviour of transport packages and specifically for the demonstration of compliance with the UK regulations for public domain transport when applying for the approval. The objective is to raise the standard of Finite Element Analyses so as to improve the confidence that can be place in analyses, so that these can take a more central role in demonstrating regulatory compliance.



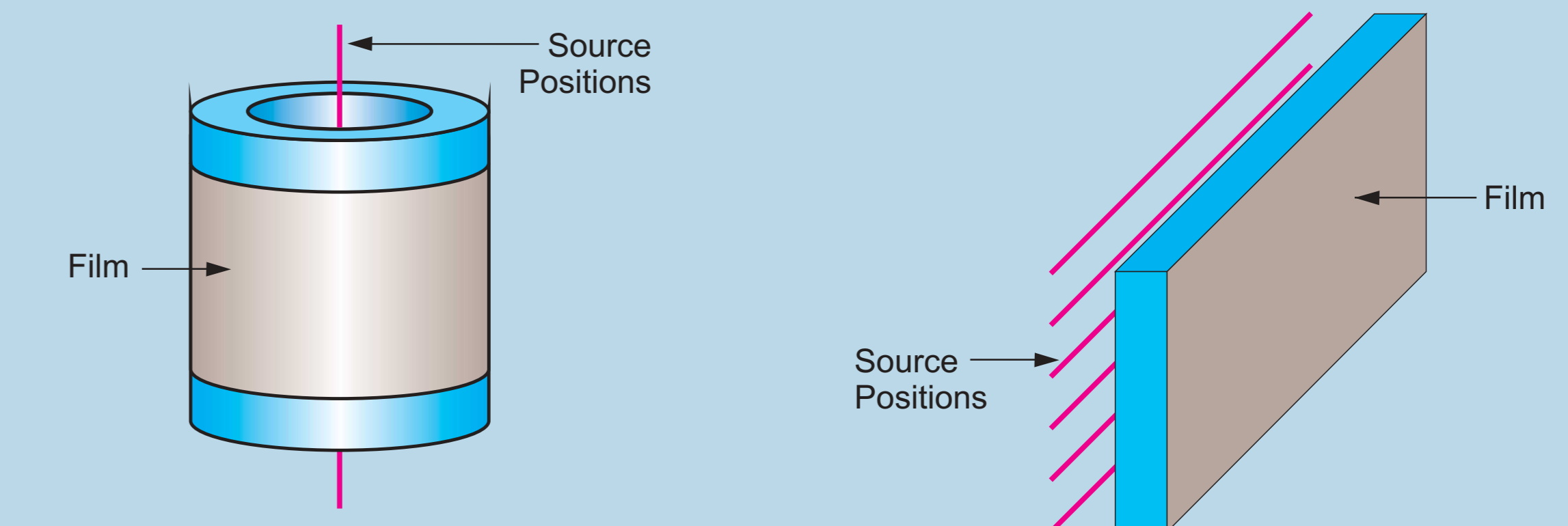
TCSC 1068 - Leakage Testing

covers a wide range of techniques that can be used to assess and measure the leakage rate through package containment. The sensitivities of the various qualitative methods are given, together with the theoretical background to pressure drop techniques.



TCSC 1056 - Shielding Integrity Testing

provides guidance to designers when specifying the shielding integrity test requirements and details of the methodology for assessing the quality of shielding using the source and scintillation technique and ultrasonics. Including a suitable specification for testing and instructions to manufacturers on how to check the integrity of shielding materials.



TCSC 1086 - Testing of Packages

complementary guidance to the IAEA Advisory Material (TS-G-1.1) on the technical aspects of testing. Testing a package design is often a time consuming and expensive exercise. A perfectly executed series of tests are useless if subsequently the philosophy of the test method is challenged and rejected.

TCSC 31 - Seizure of Fasteners

Provides guidance to designers and operators on the precautions that can be taken to minimise the risk of galling for fasteners.

"to examine the requirements for containers for the safe transport of radioactive material with a view to standardisation and, as appropriate, to produce and maintain guidance in the form of standards documentation."