

Guideline

F-05

CLAP

FORM N°X127

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Directive References: Annex I § 3.1.3

Article 2 (13)

Annex I § 3.1.2

Subject: ESR on manufacturing – Permanent joints

Question: Do the requirements related to permanent joints given in Annex I, sections 3.1.2 and 3.1.3 apply also to permanent joints other than welded joints?

Answer:

The definition in Article 2 (13) also covers other permanent joints such as e.g. those produced by brazing, braze welding, expansion, gluing, frottage and riveting.

For that reason, the requirements of Annex I Sections 3.1.2 and 3.1.3 apply also for these types of joints.

Note: Removable expansion devices (e.g. expansion plug for sealing exchanger tubes) do not require destructive methods to be disconnected and therefore are not permanent joints.