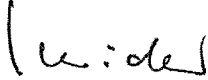


Type Approval Certificate Extension

This is to certify that Certificate No. 94/20033 (E7) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Straub Werke AG Straubstrasse 13 CH-7323 Wangs Switzerland
DESCRIPTION	Wet fire tested pipe couplings for detachable sealing and anchoring plain ended metallic pipes and couplings with "dot" designation for installation without torque wrench on request.
TYPE	STRAUB-METAL-GRIP STRAUB-METAL-GRIP.dot STRAUB-METAL-GRIP-FIRE-FENCE
APPLICATION	Marine, offshore and industrial pipe installations. The restrictions for these pipe couplings are: 1. to compensate axial and lateral deformations 2. Class I piping, CO ₂ -, Starting- and Control Air System 3. Inside machinery spaces of category A or accommodation spaces for: - main lines of Inert gas systems, - pipe systems for flammable liquids (Flashpoint >60°C) including corresponding vent end sounding pipes, except for cargo oil lines in pump rooms and open decks, - bilge pipes. 4. Steam systems, except for pipes on weather decks of oil and chemical tanker. See also Other Conditions! 5. Scuppers and discharge (overboard), Deck drains, except for pipes above freeboard deck 6. Generally: pipelines in cargo holds, tanks and other spaces which are not easily accessible 7. Fire main, water spray and sprinkler systems or similar which are not always filled with water 8. In pump rooms and open decks for inert gas main and distribution lines
Certificate No.	94/20033 (E8)
Issue Date	08 August 2008
Expiry Date	21 March 2012
Sheet	1 of 2


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