



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Raccorderie Metalliche S.p.A. Strada Sabbionetana 59 46010 Campitello di Marcaria (Mantova) Italy
DESCRIPTION	Stainless steel (quality of material, grade: AISI 316 L (X2CrNiMo17-12-2) according to UNI - EN 10088) sanitary discharge pipes and form pieces with slip- in socket joints, seals from EPDM.
TYPE	RM DRAIN
APPLICATION	For use in non-pressurised and vacuum sanitary discharge systems above the freeboard deck and in enclosed spaces, but not leading overboard below the freeboard deck. Not to be used for penetrations of watertight bulkheads or fire class divisions.
STANDARD	EN 1124 Pipes and fittings of longitudinally welded steel pipes with spigot and socket for waste water systems.
RATINGS	Sizes DN [mm]: 40, 50, 65, 80, 100 Temperature Range [°C]: -25 to +55 Design Pressure: up to 0,5 bar

Certificate No.	14/20035
Issue Date	16 June 2014
Expiry Date	15 June 2019
Sheet	1 of 2


Torsten Schröder
Hamburg Technical Support Office
Lloyd's Register EMEA

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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. HTS/ENS 30953-14 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	14/20035
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Marine Design Appraisal Document

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Date
16 June 2014
Please quote this reference number on all future communications
HPC 1461008/30953-14/TS/PRu

**THE LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002
ISSUED TO: RACCORDERIE METALLICHE S.P.A.
FOR: RM PIPE STAINLESS STEEL PUSH FIT PIPING SYSTEM
TYPE APPROVAL CERTIFICATE NO. 14/20035**


The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.


APPROVAL DOCUMENTATION

Form LR2571	Application for Type Approval	12.11.2013
-	RM DRAIN TECHNICAL INFORMATION	06.06.2013
CQMP 019-016	Qualitative characteristics for buying raw material	10.04.2013
-	Draft Installation Instruction for the RM Drain Piping System	-
RM DRAIN SAG	RM Drain – Socket Dimension	21.05.2013

TEST REPORTS

MLN 1292206	LR Surveillance visit report	11.01.2013
-	Vacuum-, Leak- and Burst test report, carried out by Raccorderie Metalliche and witnessed by DNV	11.10.2013


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FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.

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Subject: Pipe and Pipe Couplings
Product: Profile Ring Tube Fittings (Part 1A)

Producer / Licence No.	Description of Product			Cert. No.
	Type	Details of Approval	Application	
Raccorderie Metalliche S.p.A Strada Sabbionetana 59 46010 Campitello di Marcaria Italy	RM DRAIN	<p>Stainless steel (quality of material, grade: AISI 316 L (X2CrNiMo17-12-2) according to UNI - EN 10088) sanitary discharge pipes and form pieces with slip- in socket joints, seals from EPDM.</p> <p>Ratings:</p> <p>Sizes DN [mm]: 40, 50, 65, 80, 100 Temperature Range [°C]: -25 to +55 Design Pressure: up to 0,5 bar</p>	For use in non-pressurised and vacuum sanitary discharge systems above the freeboard deck and in enclosed spaces, but not leading overboard below the freeboard deck. Not to be used for penetrations of watertight bulkheads or fire class divisions.	Expiry Date: 15 June 2019