



Type Approval Certificate

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

Certificate No. 60 159 - 09 HH
Company Metric Fittings GmbH
Friedrichsplatz 19
78628 Rottweil, GERMANY

Product Description PIPE UNIONS WITH CUTTING RINGS

Type According to product layout catalog of the manufacturer

Environmental Category None

Technical Data / Range of Application TECHNICAL DATA:
Material of body, cutting ring and nut: Steel acc. to DIN 3859-1 or equiv. materials
Regarding sizes, nominal pressures refer to page 2.

RANGE OF APPLICATION

The pipe unions are type approved for the following range of application:

- Piping systems on board ships
- Piping systems on off-shore units and on-shore installations
- Piping systems in machinery installations

- The nominal pressure ratings PN represent the max. allowable working pressure inclusive of pressure peaks.
- Pressure ratings, pressure reductions and permissible operating temperatures are to be in accordance with the instructions of the manufacturer.

Test Standard Regulations for the Performance of Type Tests on Mechanical Components and Equipment, Part D.10 of Germanischer Lloyd. IACS UR P2.11: 2001

Documents - Technical documentation
- Test report No. F608-012

Remarks None

Valid until 2014-02-04

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Type Approval Symbol



File No. II.C.05

Hamburg, 2009-02-27

Germanischer Lloyd

Hanspeter Raschle
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Pressure Range

L (Light gauge)	Pipe O.D [mm]	Nominal Pressure [PN]
	6 - 18	315
	22 - 42	250
S (Heavy gauge)	6 - 14	630
	16 - 38	420

The selection of the pipe unions for the corresponding service in view of temperature and pressure and the right installation are to be in accordance with the instructions of the manufacturer.

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".