

# 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. 77 402 - 95 HH

Company Volz Gruppe GmbH  
Gartenstraße 6  
78586 Deilingen, GERMANY

Product Description PIPE UNIONS WITH CUTTING RINGS according to DIN 2353, ISO 8434-1

Type According to product layout catalog of the manufacturer  
(see page 2)

Environmental Category None

Technical Data /  
Range of Application TECHNICAL DATA

**Material:**

Fitting body, cutting ring and nut: 1.4571 acc. to DIN 17440

Pipes : 1.4571 acc. to DIN EN 10216-5

Pipe tolerances acc. to EN 10 305-4

Size-, pressure and temperature range refer to page 3.

**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

RANGE OF APPLICATION refer to page 3.

Test Standard VI-7-8: Test Requirements for Components and Systems of Mechanical Engineering and Offshore Technology, Edition 2008.

Documents

- Test report No. D048 / 2008
- Technical documentation, Product catalogue
- ISO 9001:2008 Certificate, DNVGL-Approval Ref.-No.: 13-041297

Remarks TECHNICAL DATA see page 2 and RANGE OF APPLICATION see page 3.

Valid until 2019-04-01

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File No. II.C.05

Hamburg, 2014-04-16

Type Approval Symbol



**Germanischer Lloyd**

Hanspeter Raschle

*i. A. P. Gierman*  
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## TECHNICAL DATA

ESV	Welding bulkhead
W-V	Equal elbow
GS-V	Threaded bulkhead
T-V	Equal tee
G-V	Straight coupling
WS-V	Bulkhead elbow
K-V	Equal cross
WE-V	Male stud elbow
GE-V	Male stud straight
TE-V	Male stud branch tee
LE-V	Male stud barrel tee
TR-V	Male stud branch tee
EG-V	Standpipe adaptor
EW-V	Standpipe adaptor
ET-V	Standpipe adaptor
EL-V	Standpipe adaptor
MA-V	Manometer coupling
MA-EV	Adjustable manometer coupling
MA-VD	Adjustable manometer coupling
EW-VD	Adjustable W-coupling
ET- VD	Adjustable T-coupling
EL- VD	Adjustable L-coupling
EG- VD	Standpipe adaptor
KOR-V	Standpipe adaptor
RED-V	Reducing standpipe
GAS- V	Straight welding coupling
GAI- V	Straight female adaptor
GR-V	Straight reducing
ETH-V	Adjustable T -swivel
EW- V	Adjustable W-swivel

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



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## RANGE OF APPLICATION

### Nominal Pressure:

L Series (light )		S Series (heavy )	
Pipe O.D. [mm]	Nom. Press. [PN]	Pipe O.D. [mm]	Nom. Press. [PN]
6 - 15	250	6 - 14	630
18 - 22	160	16 - 25	400
22 - 42	100	30 - 38	250

Temperature range [°C]: -55 up to 400

- 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.
- For service temperatures above 50°C the reduction in pressure specified by the manufacturer is to be observed.
- The above mentioned compression couplings are type approved as compression coupling for the use in piping systems according the Rules I-1-2 Machinery Installations, Section 11, Table 11.13 / 11.14, compression coupling, bite type, fire resistant.
- The selection of the compression couplings for the corresponding service and the right installation are to be in accordance with the instructions of the manufacturer.

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