

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. 60 160 - 09 HH

Company Volz Gruppe GmbH
Gartenstraße 6
78586 Deilingen, GERMANY

Product Description PIPE UNIONS WITH CUTTING RINGS

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: Carbon Steel: C15, C22, St.37-0, St37-2 and 9SMnPb28K
acc.to DIN 3859-1 table 2 or higher grades

Pipes: Carbon Steel: E235 (St. 37.4NBK) acc.to DIN EN 10305-4
pipe tolerances acc.to EN 10 305-4

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

Regarding sizes, nominal pressures refer to page 3.

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

- Salzgitter Mannesmann Forschung, Test report No. F608012
- Auditbericht DIN EN ISO 9001: 2008 and DIN EN ISO 14001: 2009
- DNVGL-Ref.No.: 14-011578

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

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Germanischer Lloyd

Hanspeter Raschle

i. A. P. Gierhan
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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
GDVV	Swivel coupling

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P. A. P. Gierman
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GEDVV	Swivel coupling
DGWSV	Swivel coupling
DGWESV	Swivel coupling

RANGE OF APPLICATION

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

Temperature range [°C]: -35 up to +200

- 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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