

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. 33 688 - 06 HH
Company Volz Gruppe GmbH
Gartenstr. 6
78586 Deilingen, GERMANY
Product Description HOSE END FITTINGS FOR HYDRAULIC RUBBER HOSES
Type • NO-SKIVE FERRULES
• STRAIGHT NIPPLES AND ELBOWS
Environmental Category • None
Technical Data / Range of Application TECHNICAL DATA
Standard materials: 1.4571 / AISI 316Ti or equivalent

RANGE OF APPLICATION

The above mentioned end fittings may be assembled on type tested hoses of following type and manufacturer:

MANULI Rubber Industries S.r.l., Ascoli Piceno-Italy

Types: 1SN / 2SN / 2ST / 2SC Standards: DIN EN 853 / 857:1996(D)

Temperatur range: -40°C up to +125°C

Max. working pressure: 40 bar up to 415 bar (dependent of size and type)

Size: DN 5 up to DN 50 (3/16" up to 2")

The a.m. ferrule- and nipple type are approved for use in:

- Fuel oil, lubricating oil and hydraulic oil system
- Fresh and seawater cooling systems
- Compressed air systems

Test Standard • Impulse pressure test according to ISO 6803:1994(E)
• Fire resistance test of hose assemblies according to ISO 15540:1999(E)

Documents • Test reports
• Quality assurance procedures
• Catalogues

Remarks • FERRULE TYPES, NIPPLE TYPES, PRODUCTION PLACES and MARKING
see page 2

Valid until 2016-12-07

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File No. II.D.10

Hamburg, 2011-08-08

Germanischer Lloyd

Hanspeter Raschle
Hanspeter Raschle

Peter Gierhan
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FERRULE TYPES:

N-PF3, N-PF11

NIPPLE TYPES:

V-XDKO, V-XDKO-45°, V-XDKO-90°, V-XDKL-DKS, V-XDKDKL-DKS-45°, V-XDKDKL-DKS-90°, V-XDKR, V-XDKR-45°, V-XDKR-90°, V-XDKRF, V-XDKRF-90°, XCE, XBE, XBE-45°, XBE-90°, XAGR, V-XAGR-WD, XBSPT-m, XAGN, XAGJ, V-XDKJ, V-XDKJ-45°, V-XDKJ-90°, V-XDKO-KÄ, V-XSFL3 / XSFS 6, V-XSFL3/XSFS6-45°, V-XSFL3/SFS6-90°, XDSN.

PRODUCTION PLACES

Volz Gruppe GmbH
Gartenstrasse 6
78586 Deilingen
Germany

MARKING

Each device shall bear legible and durable marking on the body or on a plate fixed securely to the body as follows:

- Manufacturer's Mark •

The selection of the NO-SKIVE FERRULES and STRAIGHT NIPPLES AND ELBOWS for the corresponding application 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".