

Type Approval Certificate



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

Certificate No. 45 936 - 03 HH

Company PH Industrie-Hydraulik GmbH & Co. KG

Stefansbecke 35-37
45549 Sprockhövel, GERMANY

Product Description COMPRESSION COUPLINGS L-AND S-SERIES,
MADE OF STAINLESS STEEL

Type 24° COMPRESSION FITTINGS ACCORDING TO DIN EN ISO 8434-1/ DIN 2353
TAPER FITTINGS ACCORDING TO DIN EN ISO 8434-1

Environmental Category None

Technical Data / TECHNICAL DATA

Range of Application

Materials: 1.4571 in accordance with DIN 3859-1, table 2

Pressure range:

	Pipe O.D. [mm]	Nominal Pressure [bar]
L-Serie	06 - 10	500
	12 - 18	400
	22 - 42	250
S-Serie	06 - 10	800
	12 - 16	630
	20 - 38	420

The nominal pressure ratings PN represent the maximal allowable working pressure. Pressure reductions are required for temperatures above 50 [°C] according to manufacturer's specifications.

RANGE OF APPLICATION refer to page 2.

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

Documents

- Test Report No. 12000985 of MP Dortmund, F6 11 004
- Technical Documentation, Catalogue 2011
- GL Audit report no. PHIndustrieHydraulik20110901
- GL Approval Ref.-No.: 10-105546

Remarks None

Valid until 2018-05-01

Page 1 of 2

File No. II.C.05

Hamburg, 2013-07-02

Type Approval Symbol



Germanischer Lloyd

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RANGE OF APPLICATION

The above mentioned compression couplings are approved for the use in piping systems of class I to III as well as in non-essential systems under consideration of GL Rules I-1-2 Machinery Installations, Section 11 as applicable.

Allowable temperature range for stainless steel compression couplings and seal materials:

Stainless steel fittings	-55 [°C] to 200 [°C]	Combining stainless steel fittings with several different types of sealing materials (NBR, FPM, PTFE) the highest minimum and lowest maximum temperature is to be observed.
NBR	-35 [°C] to 100 [°C]	
FPM	-20 [°C] to 200 [°C]	
PTFE	-60 [°C] to 200 [°C]	

Compression Couplings acc. to DIN EN ISO 8434-1:

- | | | |
|--|---|--|
| <ul style="list-style-type: none">• GV-Straight Couplings• GR-Stud Reducers• TRV-Couplings• GE Couplings• WE Stud Elbows• TE-Stud Branch Tees• LE-Stud Barrel Tees | <ul style="list-style-type: none">• WV-Equal Elbows• TV-Equal Tees• KV-Equal Crosses• ESV-Welding bulkhead connections• ASV/WAS-Welding bosses/coupl.• EVGE-Stud Standpipe Adaptors• GSV-Couplings* | <ul style="list-style-type: none">• WHV-Banjo Elbows• THV-Banjo Tees• EVW-Swivel Elbows• EVT-Swivel Branch Tees• EVL-Swivel Barrel Tees• MV-Gauge Couplings• WSV- Bulkhead Elbows* |
| <ul style="list-style-type: none">• MV-Gauge Swivel Couplings• GAI-Female Stud Couplings• VKA-Coupling Plugs• ÜWS-Internal Coupling Nuts | <ul style="list-style-type: none">• Non-Return Valves• GRI-Male/Female Stud Adaptors• VST-Socket Head Port Plugs• SR-ES4-Double-Bite Cutting Rings | <ul style="list-style-type: none">• KOR-Tube End Reducers• XROV-Blanking Plugs• VSHü-Reinforcing Rings• ÜWM-Nuts for Cutting Ring Connections• GM-Locknuts |

* Not accepted in divisions of class A and B standard

Taper Fittings acc. to DIN EN ISO 8434-1:

- | | |
|--|--|
| <ul style="list-style-type: none">• GV-DKOL / DKOS Swivel Unions• GVR-DKO Straight Reducers• EW-DKOL / DKOS Adjustable Elbows• ET- DKOL / DKOS Adjustable Stud Branch Tees Reducers/Elbows• EL- DKOL / DKOS Adjustable Stud Barrel Tees• RED-DKOL / DKOS Reducing Couplings | <ul style="list-style-type: none">• EGE-DKOL / DKOS Swivel Connectors• MVE-DKOL / DKOS Gauge Swivel Connectors• ASV K Welding Nipple Couplings with O-ring Gaskets• SKV / SKV-R / SKV-RB Welding Nipples/Nipple |
| | <ul style="list-style-type: none">• ESV - Welding bulkhead connections• ASV/ WAS - straight/ elbow welding boss |

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Page 2 of 2

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