

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. 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
AND TAPER FITTINGS ACCORDING TO DIN EN ISO 8434-4

Environmental Category None

Technical Data / TECHNICAL DATA (for further technical data see page 2)

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

Pressure range:

LIGHT GAUGE (L)		HEAVY GAUGE (S)	
Pipe O.D. [mm]	Nom. Press. [PN]	Pipe O.D. [mm]	Nom. Press. [PN]
6 - 18	315	6 - 14	630
22 - 42	160	16 - 30	400
		38	315

The nominal pressure ratings PN represent the max. allowable working pressure inclusive of pressure peaks. Pressure reductions are required for temperatures of 50 [°C] and above according to the instructions of the manufacturer.

RANGE OF APPLICATION

The above mentioned compression fittings may be used in piping systems of class I to III as well as in non-essential systems under consideration of IACS Req. P2.7, table 8 and GL Rules Chapter 2 - Machinery Installations, Section 11 as applicable.

- The assembly instructions of the manufacturer are to be observed.

Test Standard • GL Regulations for the Performance of Type Tests, Chapter 8 and IACS Req. 2001, P2.11 Type Approval of Mechanical Joints.

Documents • Technical Documentation
• Test Report No. 12000985 of MPA Dortmund
• Catalogue April / 2003

Remarks None

Valid until 2013-04-21

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Type Approval Symbol



File No. II.C.05

Hamburg, 2008-04-21

Germanischer Lloyd

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TECHNICAL DATA

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

Stainless steel fittings	-55 [°C] to 200 [°C]
NBR	-35 [°C] to 100 [°C]
FPM	-20 [°C] to 200 [°C]
PTFE	-60 [°C] to 200 [°C]

When combining stainless steel fittings and several different types of sealing materials, the highest minimum and the lowest maximum temperature figures are to be used.

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

- GV-Straight Couplings
- GR-Stud Reducers
- TRV-Couplings
- GE Couplings
- WE Stud Elbows
- TE-Stud Branch Tees
- LE-Stud Barrel Tees
- WV-Equal Elbows
- TV-Equal Tees
- KV-Equal Crosses
- ESV-Welding bulkhead connections
- ASV/WAS-Welding bosses/coupl.
- EVGE-Stud Standpipe Adaptors
- GSV-Couplings*
- WHV-Banjo Elbows
- THV-Banjo Tees
- EVW-Swivel Elbows
- EVT-Swivel Branch Tees
- EVL-Swivel Barrel Tees
- MV-Gauge Couplings
- WSV- Bulkhead Elbows*
- MV-Gauge Swivel Couplings
- GAI-Female Stud Couplings
- VKA-Coupling Plugs
- ÜWS-Internal Coupling Nuts
- Non-Return Valves
- GRI-Male/Female Stud Adaptors
- VST-Socket Head Port Plugs
- SR-Double-Bite Cutting Rings
- 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 8434-4:

- GV-DKOL / DKOS Swivel Unions
- GVR-DKO Straight Reducers
- EW-DKOL / DKOS Adjustable Elbows
- ET- DKOL / DKOS Adjustable Stud Branch Tees
- EL- DKOL / DKOS Adjustable Stud Barrel Tees
- RED-DKOL / DKOS Reducing Couplings
- 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 Reducings/Elbows

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