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.	**40 454 - 01 HH**
Company	**SANHA Kaimer GmbH & Co. Holding KG** **Im Teelbruch 80** **45219 Essen, GERMANY**
Product Description	**PRESS FITTING SYSTEM MADE OF STAINLESS STEEL**
Type	**NiroSan® PRESS FITTINGS**
Environmental Category	**None**
Technical Data / Range of Application	**TECHNICAL DATA** **Fittings:** Specially shaped fittings sealed by a synthetic rubber O-ring **Pipe Sizes:** 15x1.0, 18x1.0, 22x1.2, 28x1.2, 35x1.5, 42x1.5, 54x1.5, 76.1x2.0 88.9x2.0, 108.0x2.0 [mm] **M.A.W.P.:** 16 [bar] up to 54 [mm], 10 [bar] from 76.1 [mm] to 108.0 [mm] **M.A.W.T.:** 95 [°C] (depending on O-ring materials used) **Materials:** 1.4401 / 1.4404 / 1.4571 / 1.4408 (fittings), 1.4401 / 1.4404(pipes), EPDM, NBR, FKM (O-rings) acc. to manufacturer's specifications **The selection of the fittings and pipes for the corresponding application and the right mounting with the stipulated pressing tool is to be in accordance with the instructions of the manufacturer** **MARKING, PRODUCTION PLACE, REMARKS and RANGE OF APPLICATION refer to page 2.**
Test Standard	**VI-7-8: Test Requirements for Components and Systems of Mechanical Engineering and Offshore Technology. Edition 2008**
Documents	• **Test Report No.: C67/05 and C67.1/05 issued by IMA Dresden** • **Operating and Installation Instructions** • **Technical Documentation, Catalogue** • **GL Approval Ref.-No. 12-006894**
Remarks	**None**
Valid until	**2016-06-07**

File No. II.C.08

Hamburg, 2012-01-23

Type Approval Symbol GL

Germanischer Lloyd

i.V. Hanspeter Raschle

i.A. Sven Dudszus

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

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MARKING
Each device is to be legible and durable marked on the body or on a plate securely fixed to the body as follows:

• Manufacturer's Mark • Type • Nominal Diameter •

PRODUCTION PLACE
SANHA Kaimer GmbH & Co.Holding KG
Hauptstr. 76
01909 Großharthau - Schmiedefeld/ GERMANY

RANGE OF APPLICATION
- **As piping components in domestic fresh water-, potable water-, warm water heating-, service air (non-essential)- and wet sprinkler systems.**
- **The PRESS FITTING SYSTEM may not be used in piping systems of class I and class II.**
- **For gaseous and liquid media which will not obstruct the press fitting system or attack the material respectively synthetic rubbers.**

Valid until **2016-06-07**

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