

Type Approval Certificate Extension

This is to certify that Certificate No. 97/20064 (E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	EATON Germany GmbH Work Lohmar Hauptstr. 150 53797 Lohmar Germany
DESCRIPTION	Fire tested, soft sealing pipe fitting systems, consisting of fitting body, Viton or NBR captive seal and unit. Pipe has to be reshaped by a special Walterscheid machine. Pipe, fitting body and nut from either carbon or stainless steel or CuNiFe materials.
TYPE	WALFORM WD WALFORM plus
APPLICATION	General use for Pipe Classes I, II and III in marine, offshore and industrial piping systems
STANDARD	Lloyd's Register Rules and Regulations for the Classification of Ships, 2012.
OTHER CONDITIONS	The validity of this Type Approval is limited to original EATON Walterscheid parts.

Certificate No.	97/20064 (E4)
Issue Date	10 June 2013
Expiry Date	19 October 2017
Sheet	1 of 2



Torsten Schröder
Hamburg Design Support Office
Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

RATINGS

Carbon steel St. 37.4, St. 52.4

Series L: OD(mm)	: 6 to 10	12 to 18	22 to 42
MAWP(bar)	: 500	400	250
Series S: OD(mm)	: 6 to 10	12 to 16	20 to 38
MAWP(bar)	: 800	630	420

CuNi 70/30/ CuNi 90/10

Series L: OD(mm)	: 6 to 12	15 to 18	22 to 42
MAWP(bar)	: 400	315	160
Series S: OD(mm)	: 6 to 16	20 to 30	38
MAWP(bar)	: 630	400	315

Stainless steel 1.4571-316 Ti/ 1.4404 and 1.4435-316 L

Series L: OD(mm)	: 6 to 12	15 to 18	22 to 42
MAWP(bar)	: 400	315	250
Series S: OD(mm)	: 6 to 16	20 to 30	38
MAWP(bar)	: 630	400	330

Temperature Range:

Carbon Steel and CuNi : -20°C to +120°C

Stainless Steel : -25°C to +200°C

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HMD 10589-03, Issue No. 2 dated 10.06.2013 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 97/20064 (E3) to which this extension should be attached.

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