



Lloyd's  
Register

## Type Approval Certificate Extension

*This is to certify* that Certificate No. 10/00062 (E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

**PRODUCER**

IMM Hydraulics S.p.A.  
Via Italia 49-51  
66041 Atessa (CH)  
Italy

**PLACES OF  
PRODUCTION**

IMM Hydraulics S.p.A.  
Via Italia 49-51  
66041 Atessa (CH)  
Italy

IMM Hydraulics S.p.A.  
Via l'Aquila 8-10  
66041 Atessa (CH)  
Italy

IMM Hydraulics S.p.a.  
Zona Ind.le  
C.da Giarnera Grande  
71022 Ascoli Satriano  
(FG) Italy

IMM Hydraulics (UK)  
Ltd Units 1-2, Block 3  
Shenstone  
Trading Estate  
Halesowen B63 3XB  
United Kingdom (UK)

IMM Hydro Est s.r.l  
Cățău, 353, Cluj  
ROMANIA

**DESCRIPTION**

Fire tested flexible hose assembly consisting of an inner tube of nitrile butadiene (NBR) oil resistant synthetic rubber, two high tensile steel wire braid reinforcements, and an outer cover of abrasion and weather resistant synthetic rubber.

**TYPE**

Kaizen 2SN  
Hypress 2SN  
Hypress 2SN Mining

**APPLICATION**

Marine, industrial, hydraulic and offshore piping systems, as short joining lengths to accommodate relative movement between items of machinery connected to permanent piping systems.

**Certificate No.**

10/00062(E2)

**Issue Date**

27 April 2016

**Expiry Date**

9 December 2020

**Sheet**

1 of 2

  
M. Nardo  
Senior Specialist, Engineering Systems  
Lloyd's Register EMEA

*Lloyd's Register EMEA*

*Southampton Boldrewood Innovation Campus, Burgess Road, Southampton, SO16 7QF*

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#### SPECIFIED STANDARDS

Lloyd's Register's Rules and Regulations for the Classification of Ships;  
ISO 11237:2010;  
ISO 15540:1999;  
EN 853:1996;

#### Nominal Diameter (DN):

#### Max. working pressure (bar):

	Kaizen 2SN	Hypress 2SN	Hypress 2SN Mining
5	420	415	-
6	420	400	400
8	360	350	350
10	350	330	350
12	290	275	275
16	250	250	250
19	215	215	215
25	175	165	175
31	140	125	140
38	125	90	100
51	90	80	90

Temperature range (°C):

- 40 to + 100

*"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. 10/00062(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 10/00062 and 10/00062 (E1) to which this extension should be attached.

**Certificate No.** 10/00062(E2)

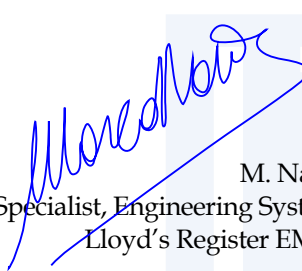
**Issue Date** 27 April 2016

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**Sheet** 2 of 2

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