



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 08/60012(E2) for the under noted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Tube-Mac Piping Technologies Ltd. 853 Arvin Avenue Stoney Creek, Ontario L8E 5N8 Canada
PLACES OF PRODUCTION	Tube-Mac Piping Technologies Ltd. 853 Arvin Avenue Stoney Creek, Ontario L8E 5N8 Canada
DESCRIPTION	4 and 8 bolt loose slip-on retain ring flanges
TYPES	RFC34 RFC64 RFC74 RFAC48
APPLICATION	Marine and offshore piping systems in accordance with the limitations and conditions listed in Lloyd's Register Design Appraisal Document 08/60012 (E3)
SPECIFIED STANDARDS	ISO/DIS 6162-1 ISO/DIS 6162-2 ISO/DIS 6164
Certificate No.	08/60012 (E3)
Issue Date	01 February 2017
Expiry Date	13 November 2017
Sheet	1 of 3

A. Nash
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Toronto Technical Support Office

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Tube-Mac Standard QP10015 Rev. A2 (8 bolt flanges only)

RATINGS	Diameter (DN)	Max Working Pressure rating (bar)
RFC34-050	13	350
RFC34-075	19	350
RFC34-100	25	350
RFC34-125	32	275
RFC34-150	38	210
RFC34-200	51	210
RFC34-250	64	175
RFC34-300	76	140
RFC34-400	101	35
RFC64-050	13	420
RFC64-075	19	420
RFC64-100	25	420
RFC64-125	32	420
RFC64-150	38	420
RFC64-200	51	420
RFC74-250	64	400
RFC74-300	76	400
RFC74-400	100	400
RFAC48-500	127	275
RFAC48-600	152	255
RFAC48-800	203	240
Temperature range (°C):		-20 to +120

Certificate No. 08/60012 (E3)
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"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 of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 08/60012 (E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 08/60012 (E2) to which this extension should be attached.

Certificate No.	08/60012 (E3)
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