

LR Type Approval Certificate Extension

This is to certify that Certificate No. 92/00154(E1) for the undermoted products is extended and renumbered as shown.

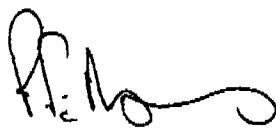
This certificate is issued to:

PRODUCER	JCS Hi-Torque Ltd.
PLACE OF PRODUCTION	Chilton Industrial Estate Sudbury Suffolk, CO10 6YH United Kingdom (UK)
DESCRIPTION	304 stainless steel, worm drive clip with rounded edges
TYPE	HGS Hi-Grip
APPLICATION	Marine, offshore and industrial use for clamping the ends of flexible hoses. (Refer to Design Appraisal Document No. 92/00154 for guidance notes on the services for which the worm drive clips are currently considered suitable)
SPECIFIED STANDARD	BS 5315, 1991
RATINGS	Nominal diameter 12, 16, 20, 22, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 120, 140 mm
TESTS	Torque } to BS 5315 Hydraulic }

"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 LR of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 92/00154(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	92/00154(E2)
Issue Date	12 May 2003
Expiry Date	9 September 2007
Sheet	1 of 2


P.F. Moysey
Marine Support Group
London

All other details remain as the previous Certificate No. 92/00154(E1) to which this extension should be attached.

Certificate No.	92/00154(E2)
Issue Date	12 May 2003
Expiry Date	9 September 2007
Sheet	2 of 2



P.F. Moysey
Marine Support Group
London