



Head Office -  
**Griffin-Woodhouse Limited**  
 Woods Lane, Cradley Heath  
 West Midlands B64 7AR  
**United Kingdom**

T +44 (0) 1299 861829  
 F +44 (0) 1299 861830  
 E [sales@gwec.co.uk](mailto:sales@gwec.co.uk)

Offshore - Deep Water Swivels

## GPS-LTM

(Product Code STDR - 2140)



- Developed in accordance with Offshore Standards to Grade R4 (as detailed below)
- Independently approved design (PDA) by American Bureau of Shipping (ABS)
- Suitable for use in temporary moorings
- Excellent bending moment, torque and fatigue capability
- Designed to suit D Type LTM Round Pin Joining & End Shackles

Nominal Size		Product Code	MBL		Proof Load		Max. Bending*	
mm	Inch		kN	Ton(S)	kN	Ton(S)	kN	Ton(S)
70	2¾	GPS 70-LTM	5160	569	4060	448	1893	209
76	3	GPS 76-LTM	6000	661	4730	521	1992	220
84	3¼	GPS 84-LTM	7210	795	5680	626	2640	291
90	3½	GPS 90-LTM	8170	901	6440	710	2989	329
95	3¾	GPS 95-LTM	9030	995	7090	782	3150	347

\*Note - When the swivel passes over a pulley or sheave, the maximum loading must be restricted to that shown above and the angle of entry to the pulley must be no less than 30° to the vertical.



Head Office -  
**Griffin-Woodhouse Limited**  
 Woods Lane, Cradley Heath  
 West Midlands B64 7AR  
**United Kingdom**

T +44 (0) 1299 861829  
 F +44 (0) 1299 861830  
 E [sales@gwec.co.uk](mailto:sales@gwec.co.uk)

Offshore - Deep Water Swivels

## GPS-LTM

(Product Code STDR - 2140)



CERTIFICATE NUMBER	DATE
12-LD826249-PDA	01 June 2012

ABS TECHNICAL OFFICE  
 ABS Europe

### CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**GRIFFIN-WOODHOUSE LIMITED**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Mooring Swivel**

MODEL: **GPS 76-LTM**

This Product Design Assessment (PDA) Certificate 12-LD826249-PDA, dated 01/Jun/2012 remains valid until 31/May/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Roderick M.C. Yam  
 Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-AMS-9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

AB2580110

[www.gwec.co.uk](http://www.gwec.co.uk)