



## ULTRA ANCHORS – CERTIFICATE OF COMPLIANCE Type Approval KPS2470AU

ISSUE DATE: 15/04/2008

VALID UNTIL: 15/04/2013

General Manager  
Ultra Marine Products Pty Ltd  
PO Box 751  
Beenleigh QLD 4207

Dear Sir,

In accordance with your instructions, we have made an assessment of the stainless steel anchors manufactured by *BOYUT Marine*, for the purposes of complying with relevant Australian Standards for use on both recreational and commercial vessels up to 50 metres.

The products have been assessed to the following Code /Standard and Class:

- Uniform Shipping Laws Code
- National Standard Commercial Vessels – sections as adopted
- AS1799 - Small Pleasure Boats and the Recreational Craft Directive 2003/44/EC

Please note: This certificate and type approval # *KPS2470AU* is valid for a period of five (5) years from the date of issue and covers only those models and material specifications assessed as at the date of issue. Should the manufacturer modify, substitute or add to the listed products and design data then this Type Approval Certificate will cease and a new assessment for the whole range or part thereof may be required.

ABN 49 079 838 985  
1<sup>st</sup> Floor, Administration Building  
Gold Coast City Marina 76-84 Waterway Drive  
Coomera QLD 4209 Australia  
Ph (07) 55297355 fax (07) 55297544  
e-mail: [info@kpsmaritime.com.au](mailto:info@kpsmaritime.com.au) web: [www.kpsmaritime.com.au](http://www.kpsmaritime.com.au)

Kooralbyn Project Services Pty Ltd trading as KPS Maritime

The anchors covered by this Type Approval Certificate are suitable for use by recreational vessels where the vessel has been built and assessed to be approved for use in the following areas:

*A - "OCEAN": Designed for extended voyages where conditions may exceed wind force 8 (Beaufort scale) and significant wave heights of 4 metres and above, and vessels largely self-sufficient.*

*B - "OFFSHORE": Designed for offshore voyages where conditions up to, and including, wind force 8 and significant wave heights up to, and including 4 metres may be experienced.*

*C - "INSHORE": Designed for voyages in coastal waters, large bays, estuaries, lakes and rivers where conditions up to, and including, wind force 6 and significant wave heights up to, and including 2 metres may be experienced.*

*D - "SHELTERED WATERS": Designed for voyages on small lakes, rivers and canals where conditions up to and including, wind force 4 and significant wave heights up to, and including, 0.5 metres may be experienced.*

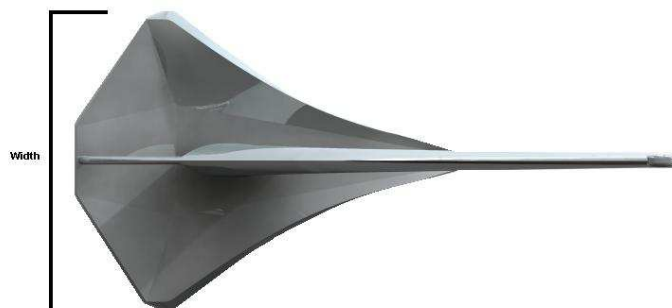
Use on commercial vessels is subject to the survey class limitations on the individual certificates issued for the vessel but the appliances, subject to operational scale directives, are suitable for use in all areas. Operational scale directives are based on the weight of the anchor and design of the vessel it is securing as specified in the attached tables. Only anchors sized from 8kgs - 50kgs are suitable for use on commercial vessels. All anchors over 50kgs are required to have weight and test certificates issued by a recognised International Classification Society. These anchors have not yet been assessed to any Class Rules.

The anchors listed on the attached table from 8kgs - 200kgs have been assessed, by design, as meeting the requirements of generic **High Holding Power** (HHP) anchors and as such as suitable for use in those applications requiring or specifying HHP anchors. **High Holding Power** anchors are those that have a holding power of at least six (6) times their own mass.

This statement was prepared and issued by Nicholas J. Lockyer, who is an Associate Member of the International Institute of Marine Surveying and the Society of Naval Architects and Marine Engineers. KPS Maritime is accredited with Maritime Safety Queensland as a Ship Designer and Marine Surveyor for commercial vessels up to 50 metres in length and is a member of the American Boat & Yacht Council and Marine Queensland.


*Signed on behalf of KPS Maritime*


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Ultra Anchor - Selection Chart						
Maximum Boat Weight (Tonnes)						
Product Code	Anchor Weight		Powerboat	Sailboat	Catamaran	
	kg	lbs			Sail	Power
SSUA8-18	8	18	2.1 T	1.6 T	1.1 T	1.4 T
SSUA12-26	12	26	4.8 T	3.6 T	2.4 T	3 T
SSUA16-35	16	35	9.3 T	7 T	4.7 T	6 T
SSUA21-46	21	46	16 T	12 T	8 T	10 T
SSUA27-60	27	60	24 T	18 T	12 T	15 T
SSUA35-77	35	77	35 T	26 T	17 T	22 T
SSUA45-99	45	99	50 T	37 T	24 T	31 T
SSUA60-132	60	132	73 T	55 T	37 T	46 T
SSUA80-176	80	176	112 T	84 T	57 T	71 T
SSUA100-228	100	228	160 T	120 T	80 T	100 T

<i>Anchor weight</i>	<i>Length</i>	<i>Height</i>	<i>Width</i>
8kgs	592	297	297
12kgs	678	340	340
16kgs	746	374	374
21kgs	817	410	410
27kgs	888	446	446
35kgs	968	486	486
45kgs	1053	529	529
60kgs	1159	582	582
80kgs	1275	640	640
100kgs	1374	690	690
130kgs	1499	752	752
160kgs	1607	807	807
200kgs	1731	869	869

 *Above measurements are overall dimensions in millimetres*

 *The above information is correct as at the date of issue*