

## ALLCOMERS HANDICAPS

**Portsmouth Yardsticks** are supplied by the RYA with annual adjustments issued during the *RYA Dinghy Show*. Local club adjustments are made continually throughout the sailing season.

Clubs are recommended to start by using this national list for boats for which they have a Portsmouth Number. Once a club has compiled a list of handicaps they should be carrying out a number adjustment calculation regularly to analyse their race results; from this, a club will be able to decide if any of the handicaps need adjusting to maintain fair racing. Throughout the process it is important for the club to establish its known performers to ensure that clubs are not adjusting classes which do not need it.

Clubs submit race data to the RYA throughout the year via the [www.pyonline.org.uk](http://www.pyonline.org.uk) website; the RYA analyses the returned data and publishes a new national list of performance based numbers.

Clubs can then decide if it's appropriate to use any of the national numbers within their club list; as such, both the national list and club list evolve as more data is captured.

**Percentage Handicaps** listed below are representative of those used at various Broads locations with differing sailing conditions; they have been supplied by the Clubs concerned and are subject to adjustment from time to time.

In allcomer (handicap) races, it is recommended that Class boats that do not comply with their class rules be penalised 2%, but boats carrying additional crews should not be penalised if such crews are under the age of 12 years.

### CRUISER CLASS Percentages:

If a club needs to convert from percentages (which range ~ ±32) into **Portsmouth Numbers**, the following formula does this reasonably:

**PN = 1000 - 10 x Percent** ... it provides fair results, as well as being something easily worked.

### BROADS CLUBS' Percentages:

Likewise for converting these percentages (which range ~ 0→45) into **Portsmouth Numbers**, an appropriate formula becomes:

**PN = 900 + 16 x Percent**

*The Portsmouth Range of approximately ±300 is much less sensitive than the equivalent small Percentage Ranges, therefore the converse calculation of PN→% could, to be fair, perhaps need ten-fold lesser arbitrary adjustment of the outcome.*

*Obviously Handicaps are very subjective, depending upon the waters being raced within, conditions, helming-skills etc.*

### Portsmouth Number List and % Handicaps in local use at Broads Sailing Clubs:

Class Name	PN, 2023	% EACC	% NBYC	% HSC River	% HSC Broad	% NFSC	PN, WOBYC
420	1100	-	12	-	-	-	-
2000	1114	-	-	-	-	-	-
29ER	897	-	-	-	-	-	-
49ER	(697)	-	-	-	-	-	-
505	900	-	-	-	-	-	-
ALBACORE	1037	-	-	-	-	11	-
ALTO	921	-	-	-	-	-	-
B14	858	-	-	-	-	-	-
BITTERN	-	-	-	29	29	30	-
BROADS ONE DESIGN	(1142)	13	14	-	-	-	1142
BLAZE	1033	-	-	-	-	-	-
BRITISH MOTH	1165	-	-	-	-	-	-
BUZZ	1020	-	-	-	-	-	-
BYTE C1	1210	-	-	-	-	-	-
BYTE CII	1135	-	-	-	-	-	-
CADET	1430	32	-	36	36	-	-
COMET	1210	-	-	-	-	-	-
CONTENDER	969	-	-	-	-	-	-
D-ONE	948	-	-	-	-	-	-
D-ZERO	1029	-	-	-	-	-	-
ENTERPRISE	1126	14	13	14	14	11	-
EUROPE	1141	-	-	-	-	-	-
FINN	1049	-	-	-	-	-	-
FIREBALL	952	-	-	-	-	-	-
FIREFLY	1174	-	-	-	-	-	-
FLYING FIFTEEN	1021	-	-	-	-	-	-
GP14	1133	-	-	-	-	-	-
GRADUATE	1120	18	15	-	-	-	-
GULL	(1363)	-	-	29	29	-	-
GULL (SINGLE HANDED)	-	-	-	27	27	-	-
HADRON H2	1038	-	-	-	-	-	-
HORNET	959	-	-	-	-	-	-
INTERNATIONAL CANOE	858	-	-	-	-	-	-
INTERNATIONAL 14	(758)	4	-	-	-	-	-
ISO	(922)	-	-	-	-	-	-
JAVELIN	(944)	3	-	-	-	-	-
KESTREL	1038	-	-	8	7	-	-

<i>Class Name</i>	<i>PN, 2023</i>	<i>% EACC</i>	<i>% NBYC</i>	<i>% HSC River</i>	<i>% HSC Broad</i>	<i>% NFSC</i>	<i>PN, WOBYC</i>
K1	1070	-	-	-	-	-	-
LARK	1065	-	-	11	11	-	-
LASER / ILCA.7	1101	-	11	10	10	5	-
LASER 4.7 / ILCA.4	1210	-	-	-	-	-	-
LASER 4000/ 4000	(917)	-	-	-	-	-	-
LASER EPS	(1033)	-	-	-	-	-	-
LASER II	(1085)	-	9	-	-	-	-
LASER RADIAL / ILCA.6	1150	-	13	-	-	-	-
LASER STRATOS	(1103)	-	-	-	-	-	-
LEADER	(1115)	-	-	-	-	9	-
LIGHTNING 368	1160	-	-	-	-	-	-
MERLIN-ROCKET	980	8	-	8	7	-	-
MIRACLE	1194	-	-	-	-	-	-
MIRROR	1387	34	32	32	32	33	-
MIRROR SINGLEHANDED	1377	-	-	-	-	-	-
MUSTO SKIFF	845	-	-	-	-	-	-
NATIONAL 12	1064	13	12	-	-	-	-
NORFOLK DINGHY	(1248)	23	24	23	23	23	-
NORFOLK PUNT	(886) - but see page 93						
OK	1104	13	-	-	-	-	-
OPTIMIST	1635	43	43	43	43	-	-
OSPREY	934	3	-	-	-	-	-
OULTON RATER	(980)	-	-	-	-	-	980
PHANTOM	1002	10	5	-	-	-	-
REBEL	(1070)	12	-	12	14	-	-
REEDLING	(1036)	9	-	8	8	-	-
RIVER CRUISER	River Cruiser Handicaps - see pages 95 to 105						
ROOSTER 8.1	1035	-	-	-	-	-	-
RS 100 8.4	1002	-	-	-	-	-	-
RS 100 10.2	(981)	-	-	-	-	-	-
RS 200	1046	-	-	-	-	-	-
RS 300	965	-	-	-	-	-	-
RS 400	940	-	5	-	-	-	-
RS 500	966	-	-	-	-	-	-
RS 600	920	0	-	-	-	-	-
RS 700	845	-	-	-	-	-	-
RS 800	799	-	-	-	-	-	-
RS AERO 5	1136	-	-	-	-	-	-
RS AERO 6	1105	-	-	-	-	-	-
RS AERO 7	1063	-	-	-	-	-	-
RS AERO 9	1010	-	-	-	-	-	-
RS FEVA XL	1248	-	22	-	-	-	-
RS TERA PRO	1364	-	-	-	-	-	-
RS TERA SPORT	1445	-	-	-	-	-	-
RS VAREO	1093	-	-	-	-	-	-
RS VISION	1137	-	-	-	-	-	-
SCORPION	1043	-	-	-	-	-	-
SLIPSTREAM	-	17	-	-	-	-	-
SOLO	1142	-	16	17	17	-	-
SOLUTION	1096	-	-	-	-	-	-
SPLASH	(1220)	-	19	19	19	18	-
SQUIB	(1142)	-	-	-	-	-	1142
STAR	-	0	+4	0	0	-	-
STREAKER	1128	-	-	-	-	-	-
SUPERNOVA	1077	-	-	-	-	-	-
TASAR	1017	-	-	-	-	-	-
THURNE	-	15	-	-	-	-	-
TOPPER 4.2	1420	-	-	-	-	-	-
TOPPER	1369	27	27	27	27	26	-
VORTEX	(914)	-	-	-	-	-	-
WANDERER	1193	-	-	-	-	-	-
WAVENEY OD	(1142)	13	-	-	-	-	1142
WAYFARER	1105	-	-	-	-	-	-
YARE AND BURE ONE DESIGN	(1142)	13	14	14	15	-	1142
YARMOUTH ONE DESIGN	(1142)	-	-	-	-	-	-
YEOMAN	(1108)	13	13	14	13	-	-