



The RYA Portsmouth Yardstick Scheme has enabled boats of different classes to race competitively against each other for over 70 years. The list below is the national base list from which clubs can take a starting point for this season's dinghy racing based off the returns from the RYA Affiliated clubs. Clubs using the PN list should be aware that the list is based on the typical performance of each boat across a variety of clubs and locations. The RYA actively encourages clubs to adjust handicaps at a local level where classes are either under or over performing compared to the number being used.

For classes that do not have a consistent level of returns these will appear on the Limited Data List along with classes that no longer supply the RYA with returns.

Following a review of the formulas used to calculate the PY numbers the RYA has updated the formula in 2025. This new updated formula has been evolved to help include a larger data set helping to improve the stability of the overall model. 2025 sees a larger movement in numbers compared to previous years due to this change.

RYA Class ID has been designed to help improve data accuracy. For any class configurations that do not have a unique ID please contact the RYA at technical@rya.org.uk. The Class list can be found on the RYA Portsmouth Yardstick page.

RYA PN LIST - Dinghy

RYA Class ID	Class Name	No. of Crew	Rig	Spinnaker	Number	Change	Notes
6	2.4mR	1	S	0	1235	-9	
221	2000	2	S	A	1122	1	
7	29er	2	S	A	900	0	
223	4000	2	S	A	926	3	
12	420	2	S	C	1110	0	
17	505	2	S	C	892	-4	
22	ALBACORE	2	S	0	1037	0	
25	ALTO	2	S	A	910	-11	
28	B14	2	S	A	858	0	
34	BLAZE	1	U	0	1030	0	
44	BRITISH MOTH	1	U	0	1160	-5	
46	BUZZ	2	S	A	1009	3	MOVED FROM EXPERIMENTAL LIST
50	BYTE CII	1	U	0	1123	-6	
62	COMET	1	U	0	1208	0	
64	COMET XTRA	1	U	0	1210	0	MOVED FROM LIMITED DATA LIST
69	COMET TRIO MK 1	2	S	A	1082	-6	CLUBS TO DISTINGUISH BETWEEN MK 1 AND MK 2 RIGS ON RETURNS
70	COMET TRIO MK 2	2	S	A	1053	0	CLUBS TO DISTINGUISH BETWEEN MK 1 AND MK 2 RIGS ON RETURNS
71	CONTENDER	1	U	0	973	4	
81	DEVOTI D-ONE	1	U	A	957	2	
82	DEVOTI D-ZERO	1	U	0	1029	0	
108	ENTERPRISE	2	S	0	1137	0	
111	EUROPE	1	U	0	1140	0	
132	FINN	1	U	0	1049	0	
133	FIREBALL	2	S	C	960	1	
135	FIREFLY	2	S	0	1178	4	
140	FLYING FIFTEEN CLASSIC (1-2700)	2	S	C	1079	0	NEW TO LIST 2026
141	FLYING FIFTEEN SILVER (2701-3400)	2	S	C	1051	0	NEW TO LIST 2026
142	FIYING FIFTEEN	2	S	C	1028	0	

148	FUSION PRO	1	U	0	1281	-9	
153	GPI4	2	S	C	1145	4	
155	GRADUATE	2	S	0	1110	10	
156	GULL	2	S	C	1385	0	MOVED FROM LIMITED DATA LIST
158	HADRON H2	1	U	0	1045	0	
182	HORNET	2	S	C	950	-5	
189	ILCA 4 / Laser 4.7	1	U	0	1218	2	
190	ILCA 6 / Laser Radial	1	U	0	1156	2	
191	ILCA 7 / Laser	1	U	0	1103	-1	
192	ILLUSION	1	S	C	1285	-9	MOVED FROM LIMITED DATA LIST
204	K1	1	S	0	1060	-5	
319	K6	2	S	A	900	-10	
206	KESTREL	2	S	C	1042	0	
213	LARK	2	S	C	1060	0	
233	LASER STRATOS CENTREBOARD	2	S	A	1108	5	MOVED FROM LIMITED DATA LIST
239	LIGHTNING 368	1	U	0	1171	3	
245	MEGABYTE	1	U	0	1058	-2	
250	MERLIN ROCKET	2	S	C	980	-3	
252	MIRACLE	2	S	C	1196	0	
253	MIRROR	2	S	C	1364	-4	
254	MIRROR -SINGLEHANDED WITH SPINNAKER	1	S	C	1364	4	MOVED FROM LIMITED DATA LIST
255	MIRROR SINGLEHANDED NO SPINNAKER	1	S	0	1376	1	
257	MUSTO SKIFF	1	U	A	830	-4	
259	NATIONAL 12	2	S	0	1070	0	CLUBS TO DISTINGUISH BETWEEN DIFFERENT
280	OK	1	U	0	1092	-3	
282	OPTIMIST	1	U	0	1629	-2	
283	OSPREY	2	S	C	932	0	
288	PHANTOM	1	U	0	998	0	
299	ROOSTER 8.1	1	U	0	1016	-5	
311	RS AERO 5	1	U	0	1141	2	
455	RS AERO 6	1	U	0	1098	-1	
312	RS AERO 7	1	U	0	1062	-1	
313	RS AERO 9	1	U	0	1005	0	
318	RS FEVA XL	2	S	A	1248	4	CLUBS TO DISTINGUISH BETWEEN S AND XL VARIANTS ON RETURNS
324	RS TERA PRO	1	U	0	1368	-2	
323	RS TERA SPORT	1	U	0	1452	-3	
325	RS VAREO	1	U	A	1095	0	
329	RS VISION	2	S	A	1150	5	
301	RS100 8.4	1	U	A	1002	1	
303	RS200	2	S	A	1053	3	
304	RS300	1	U	0	965	0	
305	RS400	2	S	A	945	3	
306	RS500	2	S	A	963	0	
307	RS600	1	U	0	921	0	
309	RS700	1	U	A	845	0	
310	RS800	2	S	A	797	-2	

334	SCORPION	2	S	C	1042	0	
335	SEAFLY	2	S	C	1074	-3	
348	SNIPE	2	S	0	1104	-6	
350	SOLO	1	U	0	1139	0	
351	SOLUTION	1	U	0	1112	4	
355	SPLASH	1	U	0	1247	0	
363	STREAKER	1	U	0	1121	-3	
367	SUPERNOVA	1	U	0	1075	0	
370	TASAR	2	S	0	1022	3	
379	TOPPER	1	U	0	1369	6	
380	TOPPER 4.2	1	U	0	1450	10	
411	WANDERER	2	S	C	1201	0	
415	WAYFARER	2	S	C	1107	-2	

RYA PN List - Multi

For any catamaran classes that do not appear on this list but that have a published SCHRS number on <http://www.schrs.com/ratings> it is possible to use a conversion factor of 678 as agreed between the Portsmouth Yardstick Group and SCHRS Technical Committee. To convert from SCHRS to PY, simply multiply the SCHRS number by 678 e.g: Tornado = 0.939(SCHRS) x 678 = 637 (PY). If using the conversion factor please return results to pyonline.org.uk using correct class designation.

RYA Class ID	Class Name	No. of Crew	Rig	Spinnaker	Number	Change	Notes
19	A CLASS (NON-FOILING)	1	U	0	695	0	CLUBS TO DISTINGUISH BETWEEN FOILING AND NON-FOILING
55	CATAPULT	1	U	0	898	0	
56	CHALLENGER	1	U	0	1175	4	
84	DART 15 / SPRINT 15	1	U	0	916	-8	
86	DART 15 SPORT / SPRINT 15 SPORT	1	S	0	904	0	
95	DART 18	2	S	0	795	-15	
187	HURRICANE 5.9 SX	2	S	A	680	-11	
354	SPITFIRE	1	U	A	745	5	

EXPERIMENTAL NUMBERS

Experimental numbers are based on fewer returns and are to be used as a guide for clubs to allocate as a starting number before reviewing and adjusting where necessary. The list of experimental Portsmouth Numbers is based on data received via PY Online and reviewed ever 6 months.

RYA Class ID	Class Name	No. of Crew	Rig	Spinnaker	Number	Change	Notes
36	BLAZE FIRE	1	U	0	1050	0	
49	BYTE CI	1	U	0	1223	6	CLUBS TO DISTINGUISH BETWEEN CI AND CII
51	CADET	2	S	C	1455	0	
451	DEVOTI D ZERO - BLACK RIG	1	U	0	1051	-6	
151	FUSION PRO GEN	2	S	A	1275	0	
195	INTERNATIONAL CANOE	1	S	0	858	11	DEVELOPMENT CLASS
202	ISO	2	S	A	940	12	
507	MIRROR - NO SPINNAKER	2	S	0	1376	5	
161	HANSA 303 - SINGLEHANDED	1	U	0	1570	-10	
162	HANSA LIBERTY	1	U	0	1411	-12	
553	HARTLEY ZENITH	1	S	0	1051	0	
549	MELGES 15	2	S	A	994	0	