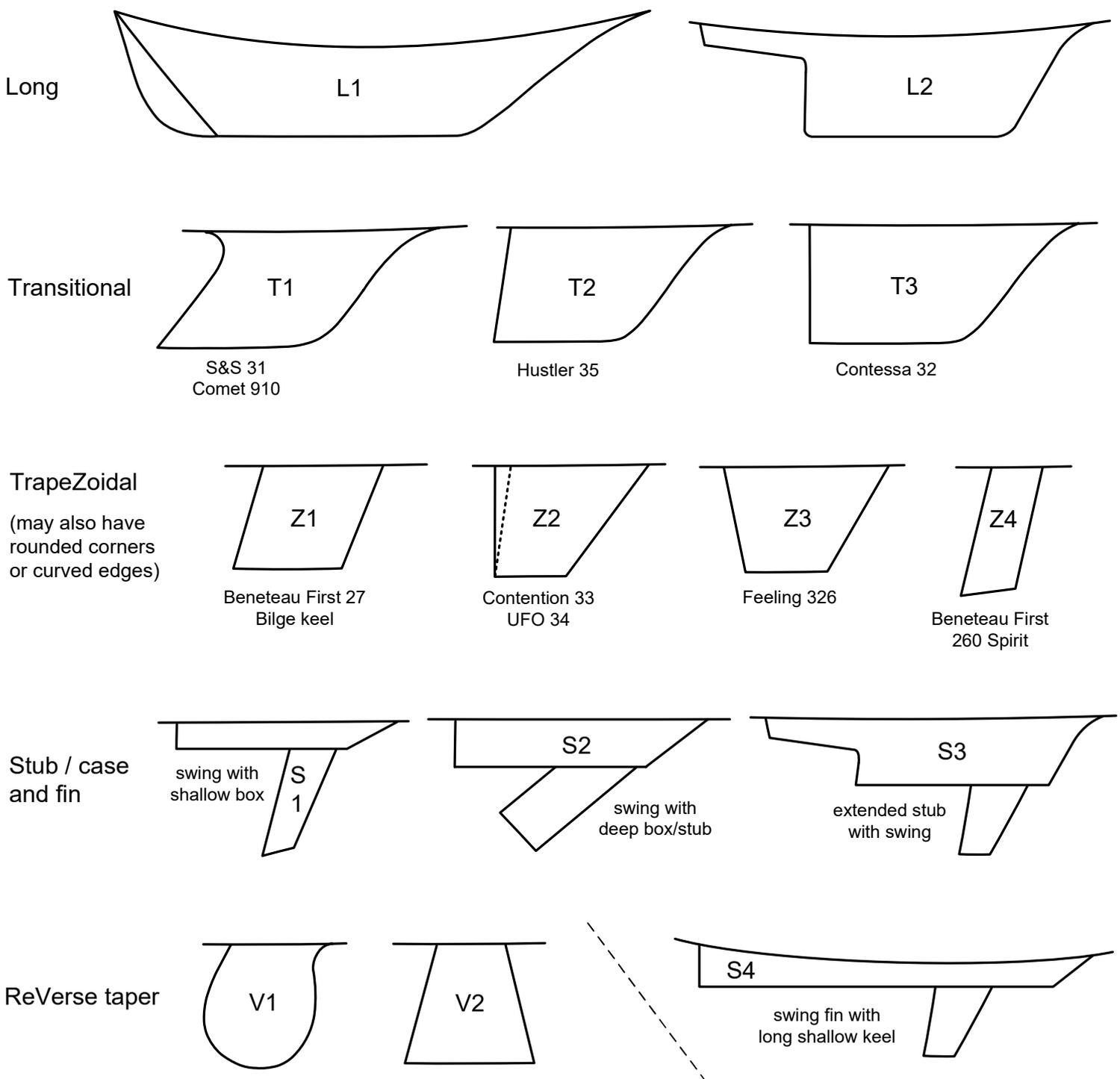


VPRS *Keel Classification*

Keel Planforms & Sections (parts 1 & 2) combine to yield area and volume distribution, whilst Keel Materials (part 3) gives the weight distribution. Lifting keels are identified in part 4, and there is the opportunity to record additional ballast - perhaps associated with either lifting or swing keels. All codes are a letter followed by a number.

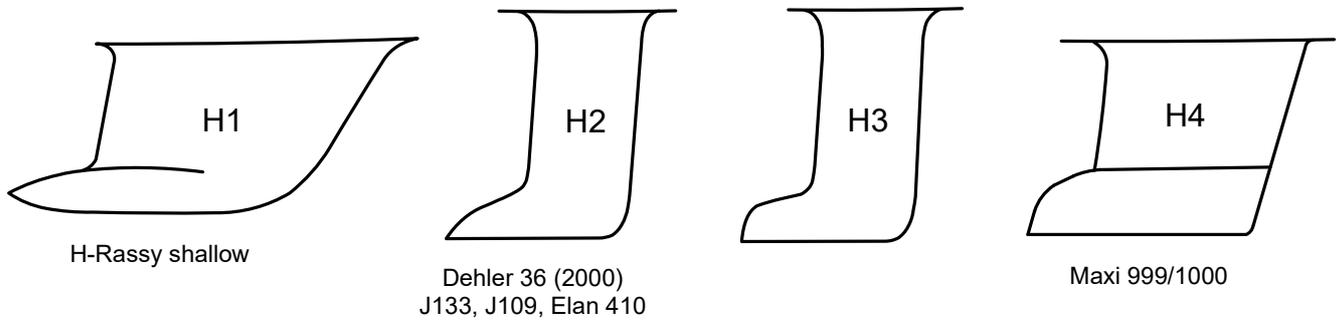
Part 1: Keel Planforms - choose the form which most closely resembles your keel; this will be used with the depth and chord measurements to define the shape.



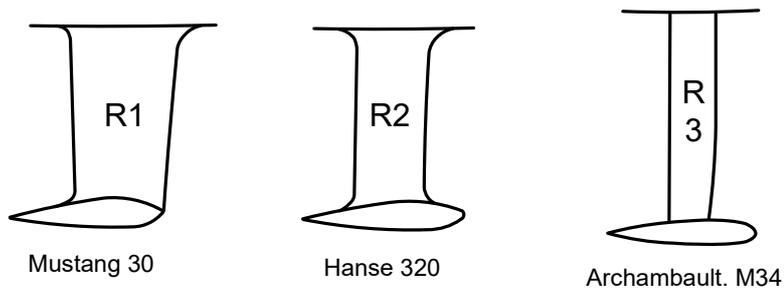
VPRS *Keel Classification*

Part 1: Keel Planforms (cont)

Hybrid

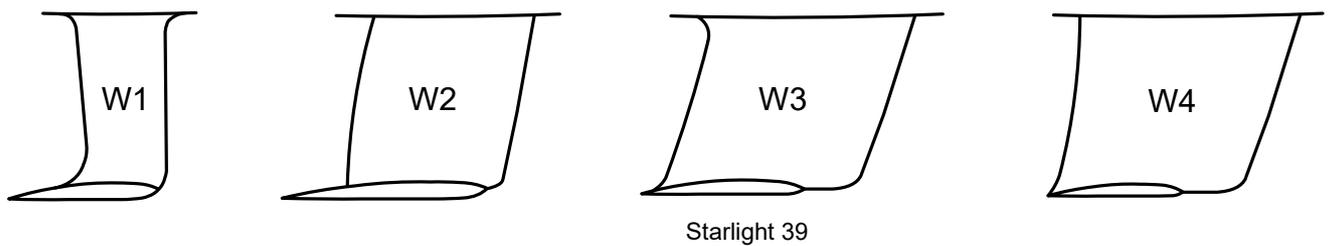


ToRpedo

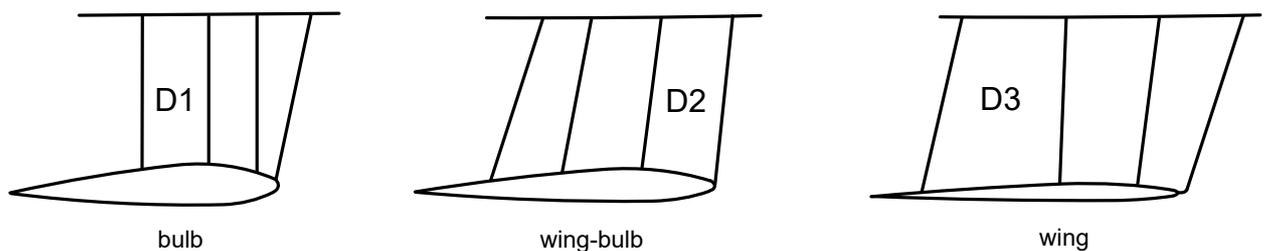


NOTE: the boat types appearing under some drawings are examples for guidance only

Wing



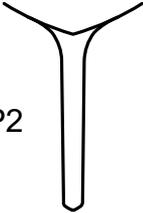
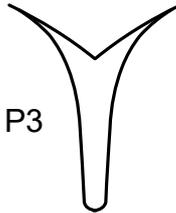
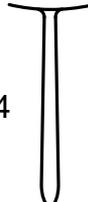
TanDem



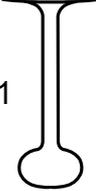
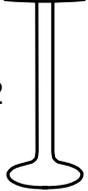
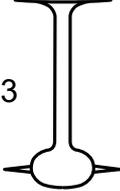
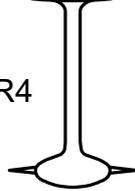
VPRS *Keel Classification*

Part 2: Keel Sections - choose whichever most closely resembles your keel section

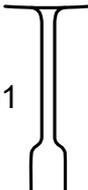
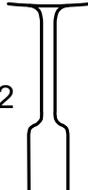
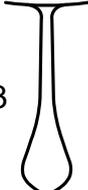
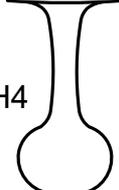
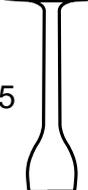
Plain

P1	P2	P3	P4
			
Contention 33 Swing fin without box	Hustler 35 Contessa 32	Traditional wooden keel	Modern low VCG fin

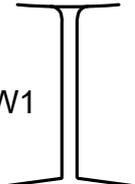
ToRpedo

R1	R2	R3	R4
			
Hanse 320 Archambault M34 Mustang 30	Torpedoes with winglets		

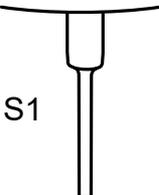
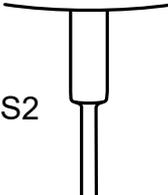
Hybrid/taper

H1	H2	H3	H4	H5
				
Maxi 1050	Maxi 999/1000	S&S 31	H-Rassy shallow	Dehler 36, J109, J133, Elan 410

Wing

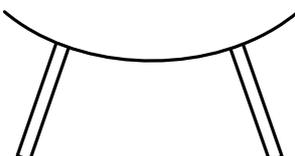
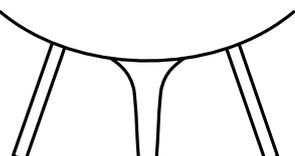
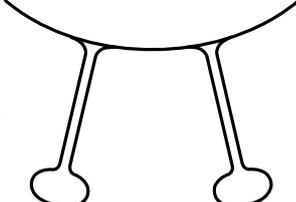
W1	W2
	

Stub / case and fin

S1	S2
	
Standard case	Large case / stub

NOTE: the boat types appearing under some drawings are examples for guidance only

Bilge

B1	B2	B3
		

VPRS *Keel Classification*

Keel Materials are used with the Planforms and Sections to determine the weight distribution and hence the centre of gravity.

Part 3: Keel Materials

Note: FRP = Fibre Reinforced Plastic (usually Glass/Carbon/Kevlar + Polyester/Epoxy)

F1 - FRP

F2 - FRP with encapsulated iron

F3 - FRP with encapsulated lead

F4 - FRP with attached iron ballast

F5 - FRP with attached lead ballast

F6 - FRP stub/keel box with iron fin

F7 - FRP sheathed timber fin/keel

R1 - Iron

R2 - Iron with attached lead ballast/shoe

R3 - Iron stub/keel box with iron fin

L1 - Lead

L2 - Lead with iron shoe

C1 - Ferrocement

C2 - Ferrocement with encapsulated iron

T1 - Timber keel

T2 - Timber keel with attached iron ballast

T3 - Timber keel with attached lead ballast

Part 4: Other discriminating features

N1 - None

G1 - Grounding plate

B1 - Additional hull ballast

L1 - Lifting fin

L2 - Lifting fin with hull ballast / grounding plate

S1 - Swing fin

S2 - Swing fin with hull ballast / grounding plate