

ISO 12215-6:2008-04 (E)

Small craft - Hull construction and scantlings - Part 6: Structural arrangements and details

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	3
5	General	4
6	Structural arrangement	4
6.1	Stiffening	4
6.2	Hull girder strength	7
6.3	Load transfer	7
6.4	Determination of stiffener spans	11
6.5	Window mullions	13
6.6	Sailboat mast support	14
7	Specific structural details for FRP construction	14
7.1	Local reinforcement	14
7.2	Bonding	16
7.3	Major joints	21
7.4	Laminate transition	25
7.5	Sandwich construction	25
7.6	Attachment of fittings	25
7.7	Engine seatings and girders	25
7.8	Hull drainage	28
8	Specific structural details for metal construction	28
8.1	Design details	28
8.2	End connections	28
8.3	Increased hull plating	28
8.4	Protective keel	28
8.5	Hull drainage	29
8.6	Machinery spaces	29
8.7	Good practice welding standards	29
8.8	Good practice for riveting or adhesive bonding	29
9	Good practice on laminated wood	30
9.1	Edge sealing	30
9.2	Plywood orientation	30
9.3	Local scantlings	30
9.4	Alternative criteria	31
10	Consideration of other loads	31
11	Other structural components	31
11.1	General	31

11.2	Rudder structure and connection	31
11.3	Keel attachment	32
11.4	Introduction and distribution of rigging loads	32
11.5	Other structural components not considered in other parts	32
Annex A (normative) Structural arrangements for category C and D boats		33
Annex B (informative) Determination of shear stresses within a stiffener with glued or riveted joints		35
Annex C (informative) Good practice welding procedure		41
Annex D (informative) Longitudinal strength analysis		47
Bibliography		52