

Torsional Strength of Container Carriers

Amended Rules and Guidance

Rules for the Survey and Construction of Steel Ships Part C
Guidance for the Survey and Construction of Steel Ships Part C

Reason for Amendment

Container carriers generally have large hatchways, therefore, torsional strength is one of the important assessment items in addition to longitudinal strength. ClassNK published the “Guidelines for Hull Girder Torsional Strength Assessment” in the “Guidelines for the Container Carrier Structures” regarding the evaluation methods of torsional strength in 2003, and amended the Guidelines in 2012.

Since research related to torsional strength is continuously being carried out, relevant requirements related to torsional strength assessment were amended to reflect recent research results based upon the “Guidelines for Hull Girder Torsional Strength Assessment”.

Outline of Amendment

- (1) Amended the types of container carriers for which torsional strength assessments are to be carried out.
- (2) Added requirements related to torsional moments.
- (3) Specified the details of requirements related to yield strength assessments and buckling strength assessments, etc.

Amended Requirements

Rules for the Survey and Construction of Steel Ships
Part C: 32.1.2, Table C32.4, Fig.C32.4, 32.1.3, Table C32.5, 32.3.1, 32.3.2, 32.3.3, Fig.C32.10, 32.3.4, Fig.C32.11, Fig.C32.12, 32.3.5, 32.3.6, 32.3.7, 32.3.8, 32.3.9, 32.3.10, 32.9.3, Fig.C32.10, 32.9.5, Fig.C32.11, 32.9.6, Fig.C32.12, Fig.C32.13, Fig.32.14, Fig.C32.15

Guidance for the Survey and Construction of Steel Ships
Part C: C32.3.1, C32.3.4, C32.3.5, Fig.C32.3.5-1, Fig.C32.3.5-2, C32.3.6, Fig.C32.3.6-1, Fig.C32.3.6-2, C32.3.7, Fig.C32.3.7-1, Fig.C32.3.7-2, Fig.C32.3.7-3, C32.3.9, C32.3.10, Annex C34.1.2 1.2.4, Appendix C1 1.7