

Brittle crack arrest steels

Related Rules/Guidance	Effective date
Pt 2 Ch 1 312. of the Rules	- 1 January 2021 (The date of application for certification of materials and welding or the contract date for ship construction)

○ Reason for Amendments

1. To reflect IACS UR W31(Rev. Dec 2019)
2. To give a grade to brittle crack arrest steels used in the hatch coaming region of container carriers.

○ Amendments

1. Pt 2 Ch 1 312. of the Rules has been newly established.
2. Two grades, BCA1 and BCA2, are given to the steel grade according to the brittle crack arrest characteristics.
3. Chemical composition is defined according to the brittle crack arrest characteristics and steel grade.

○ Impact Analysis

- ✓ Indication of any impact on and/or contribution to safety, security or environmental protection
 - : Improved ability to arrest the brittle crack from the hatch coaming part of container carriers
- ✓ Indication of any impact on net and gross scantlings
 - : N/A