

Ch 3, Sec 6, 2.3.1 – Connections with higher tensile steel

According to this requirement, structural members welded to the strength deck or bottom plating is to be made of the same higher tensile steel of strength deck or bottom plating. The same requirement is applicable for non continuous longitudinal stiffeners welded on the web of a primary member contributing to the hull girder longitudinal strength.

However, it is not clear which member should be applied to this requirement.

Please confirm if our understanding of this requirement is correct as summarized in the table below.

<Summary of connections with higher tensile steel>

Item		Application
1. Longitudinal members not contributing to the hull girder longitudinal strength		
(a) Longitudinal hatch coamings (length < 0.15L)	Web plate	X
	Top plate	??
(b) End bracket	Web plate	??
	Face plate, if any	??
(c) Gutter bar, strengthening of deck opening, bilge keel	Web plate	X
	Face plate, if any	??
2. Members contributing to the hull girder longitudinal strength		
(a) Longitudinal hatch coamings (length ≥ 0.15L)	Web plate	NA
	Top plate	NA
(b) Stringers and girders	Web plate	NA
3. Members welded on the web of a primary member		
(a) Non continuous longitudinal stiffeners welded on the web of a primary member <u>not contributing</u> hull girder longitudinal strength	Web plate	NA
	Face plate, if any	NA
(b) Non continuous longitudinal stiffeners welded on the web of a primary member <u>contributing</u> hull girder longitudinal strength	Web plate	X
	Face plate, if any	??

Notes:

X : applicable

NA : not applicable

?? : unclear