

# Approved Manufacturer of Steel Plates, Strip, Sections & Bars

**Manufacturer**      **Outokumpu Stainless AB**

**Address**                      BA Europe, Degerfors Operations (QPE), Degerfors, 693 81, Sweden

**Type**                              Plates

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.

**Approval Notes**

- \* Avesta 2205, UNS 32205 and EN 10088-1 grade 1.4462 may be accepted as equivalent to UNS 31803 as shown in LR Rules when properties meet the Rule requirements.
- \*\* Grade UNS 32304 may be accepted as equivalent to 316L as shown in LR Rules when properties meet the Rule requirements.
- \* The LR certification of Grade 32101 in accordance with EN 10088-2 grade 1.4162, is only permissible for projects for which the use of this grade has been specifically approved by LR plan appraisal.



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**Li Xu**

Senior Specialist- Fracture Mechanics and Fatigue Analysis to Lloyd's Register EMEA  
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Plates	Austenitic Stainless	Grades	Maximum Thickness	Units
Solution Treated	-	304L	50.00	mm
Solution Treated	-	304LN	50.00	mm
Solution Treated	-	316L	50.00	mm
Solution Treated	-	316LN	50.00	mm
Solution Treated	-	321	50.00	mm

  

Plates	Duplex Stainless	Grades	Maximum Thickness	Units
Solution Treated	-	UNS S31803(MOD)	50.00	mm
Solution Treated	-	UNS S32101	20.00	mm
Solution Treated	-	UNS S32304	10.00	mm



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