



**Work Order - WO0501365
Renewal of Steel Mill & Quality Assurance
System Approval - Renewal
Certificate No. STML-0501365; QA-7393097**

Attention: JSW STEEL (USA), INC. (WCN: 503385)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture products for hull application as outlined in the process/product approval.

- ABS RULES FOR MATERIALS AND WELDING PART 2 (2026)

Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and periodic quality audits or renewal of approval prior to the five-year expiry date.

Refer to attachments, Process/Product Approval; Manufacturer Approval Certificate (STML-0501365); QA Certificate (QA-7393097).

For any clarifications, contact James Oehrle at JOehrle@eagle.org.

Very truly yours,

Gareth Burton
Senior Vice President of Engineering

Electronically Signed by: Satya Meruva

Documents List

Drawing No.	Rev. No.	Title	Status
2025	-	ABS HISTOGRAMS AND STATS	Reviewed
35366	-	ISO 9001-2015	Filed by ABS for Reference Only
2020-2025 NCR	-	Review of NCRs	Filed by ABS for Reference Only
2025 Dec	-	Signed Confirmation Letter_No changes to MPS	Reviewed
JSW-QM-001	QM13	JSW (IMS) Integrated Management System - Quality Manual	Reviewed

Electronic copies of the documents, appropriately stamped, are available in the ABS MyFreedom™ Client Portal.

Process/Product Approval

Certificate No. STML-0501365; QA-7393097

Product	Grade	Thickness	Fine Grain Practice	Casting Practice ¹	Delivery condition ¹
Approved Products					
Plate	ABS – A*/B	75 mm (3.0")	Al	CC	AR
Plate	ABS – A*/B*/D	35 mm (1.38")	Al	CC	AR
Plate	ABS - AH*/DH32*/36	13 mm (0.5")	Al+V	CC	AR
Plate	ABS – AH40	13 mm (0.5")	Al+V	CC	AR
Slab Source: PJSC Azovstal Iron and Steel Works (249129)					
Plate	ABS – A*/B*/D*/E	50.8 mm (2.0")	Al	CC	N
Plate	ABS - AH*/DH*/EH32*/36	63 mm (2.5")	Al+Nb+V	CC	N
Slab Source: PJSC Azovstal Iron and Steel Works (249129)					
Heat Treatment Facility: In-House					
Plate	ABS - A*/B	101.6 mm (4.0")	Al	CC/IC	AR
Plate	ABS – A*/B*/D	35 mm (1.375")	Al	CC	AR
Plate	ABS - AH*/DH32*/36	13 mm (0.5")	Al+V / Al+Nb	CC	AR
Slab Source: JSW Steel Limited (WCN: 840282)					
Plate	ABS - A*/B*D	101.6 mm (4.0")	Al	CC/IC	CR

Product	Grade	Thickness	Fine Grain Practice	Casting Practice ¹	Delivery condition ¹
Plate	ABS - A*/B*D	101.6 mm (4.0")	Al	CC/IC	N
Plate	ABS – A*/B*/D*/E	50.8 mm (2.0")	Al	CC	N
Plate	ABS - AH*/DH32*/36	86.4 mm (3.4")	Al+V / Al+Nb+Ti	CC	CR
Plate	ABS - AH*/DH*EH32*/36	86.4 mm (3.4")	Al+Nb+Ti	CC	N
Slab Source: JSW Steel Limited (WCN: 840282)					
Heat Treatment Facility: In-House					
Plate	ABS - A*/B*D	83.3 mm (3.28")	Al	CC	CR
Plate	ABS - A*/B*D	83.3 mm (3.28")	Al	CC	N
Plate	ABS - AH*/DH32*/36	83.3 mm (3.28")	Al+V	CC	CR
Slab Source: ArcelorMittal Brasil S.A. (861957)					
Heat Treatment Facility: In-House					
Plate	ABS – A*/B	82.3 mm (3.25")	Al	CC	AR
Plate	ABS – A*/B*/D	35 mm (1.375")	Al	CC	AR
Plate	ABS - AH*/DH32*/36	13 mm (0.5")	Al+V / Al+Nb	CC	AR
Slab Source: ArcelorMittal Mexico S.A. de C.V. (763351)					
Plate	ABS - A*/B*/D	83.3 mm (3.28")	Al	CC	N
Plate	ABS – A*/B*/D	65.5 mm (2.58")	Al	CC/IC	CR
Plate	ABS – A*/B*/D	65.5 mm (2.58")	Al	CC/IC	N
Plate	ABS – A*/B*/D	83 mm (3.25")	Al	CC	CR
Plate	ABS – A*/B*/D	83 mm (3.25")	Al	CC	N
Plate	ABS – A*/B*/D*/E	50.8 mm (2.0")	Al	CC	N
Plate	ABS - AH*/DH32*/36	82.3 mm (3.25)	Al+V	CC	CR
Plate	ABS - AH*/DH*EH32*/36 Z35	83.3 mm (3.28")	Al+Nb	CC	CR

Product	Grade	Thickness	Fine Grain Practice	Casting Practice ¹	Delivery condition ¹
Plate	ABS - AH*/DH*/EH32*/36 Z35	83.3 mm (3.28")	Al+Nb	CC	N
Slab Source: ArcelorMittal Mexico S.A. de C.V. (763351)					
Heat Treatment Facility: In-House					
Plate	ABS - A*/B*/D	75 mm (3.0")	Al	CC	CR
Slab Source: JSC Evraz Nizhny Tagil Metallurgical Plant (161175)					
Heat Treatment Facility: In-House					
Plate	ABS - AH*/DH32*/36	50 mm (2.0")	Al+V	CC	CR
Slab Source: PJSC Ilyich Iron & Steel Works of Mariupol (367179)					
Heat Treatment Facility: In-House					
Plate	ABS - A*/B	82.3 mm (3.25")	Al	CC	AR
Plate	ABS - A*/B*/D	35 mm (1.375")	Al	CC	AR
Slab Source: Companhia Siderurgica do Pecem (WCN: 430924)					
Plate	ABS - A*/B*/D	83.3 mm (3.28")	Al	CC	CR, N
Plate	ABS - A*/B*/D*/E	50.8 mm (2.0")	Al	CC	CR, N
Plate	ABS - AH*/DH32*/36	83.3 mm (3.28")	Al+V	CC	CR
Plate	ABS - AH*/DH32*/36	83.3 mm (3.28")	Nb	CC	CR
Plate	ABS - AH*/DH*/EH32*/36 Z35	83.3 mm (3.28")	Nb	CC	N
Slab Source: Companhia Siderurgica do Pecem (WCN: 430924)					
Heat Treatment Facility: In-House					
Plate	ABS - A*/B	44.5 mm (1.75")	Al	CC	AR
Plate	ABS - A*/B*/D	35 mm (1.375")	Al	CC	AR
Plate	ABS - AH*/DH32*/36	13 mm (0.5")	Al+V	CC	AR
Slab Source: Ternium Brasil S.A.					
Plate	ABS - A*/B*/D	44.5 mm (1.75")	Al	CC	CR
Plate	ABS - A*/B*/D	44.5 mm (1.75")	Al	CC	N

Product	Grade	Thickness	Fine Grain Practice	Casting Practice ¹	Delivery condition ¹
Plate	ABS - AH*/DH32*/36	83.3 mm (3.28")	Al+V	CC	CR
Plate	ABS - AH32*/36	85 mm (3.343")	Nb	CC	CR
Plate	ABS - AH*/DH*/EH32*/36 Z35	85 mm (3.343")	Nb	CC	N
Slab Source: Ternium Brasil S.A. Heat Treatment Facility: In-House					
Plate	ABS – A*/B*/D	35 mm (1.375")	Al	CC	AR
Plate	ABS – A*/B	75 mm (3.0")	Al	CC	AR
Plate	ABS – AH*/DH32*/36	12.5 mm (0.5")	Al	CC	AR
Slab Source: JSW Steel USA Ohio Inc. (460699)					
Plate	ABS – A*/B*/D	75 mm (3.0")	Al	CC	CR
Plate	ABS – AH*/DH32*/36 Z35	50.8 mm (2.0")	Al	CC	CR
Plate	ABS – AH*/DH*/EH32*/36 Z35	50.8 mm (2.0")	Al	CC	N
Slab Source: JSW Steel USA Ohio Inc. (460699) Heat Treatment Facility: In-House					

*Approval of these grades is based on qualification tests carried out on the higher grade.

Note 1:

- a. CC: Continuous Casting
- b. IC: Ingot Cast
- c. AR: As Rolled
- d. N: Normalized
- e. CR: Controlled Rolling