

Approval of Material Manufacturers Zulassung von Werkstoffherstellern

This is to certify that the works of
Hiermit wird bescheinigt, dass die Firma

**ISD HUTA CZESTOCHOWA SP. Z O.O.
CZESTOCHOWA, POLAND**

has been subjected to an approval test in accordance with GL Rules with satisfactory results and is approved for the manufacture of the following products:

einer Zulassungsprüfung nach den Vorschriften des GL unterzogen wurde und für die Herstellung folgender Erzeugnisse zugelassen ist:

**Steelmaking and Rolled Steel Products
in accordance with the GL-Rules for Metallic Materials,
Chapter 2, Section 1**

This approval is granted provided that all products intended to be used for the construction of ships or installations classed with DNV GL comply in every respect with GL Rules and Requirements.

Die Zulassung erfolgt unter der Voraussetzung, dass alle Erzeugnisse, die zum Bau von Schiffen und Anlagen mit Klasse der DNV GL SE bestimmt sind, die Vorschriften des GL in jeder Hinsicht erfüllen.

Certificate of approval No.
Zulassungsbescheinigung Nr.

WZ 1993 HH 3

This Certificate is valid until:
Diese Bescheinigung ist gültig bis:

2018-04-30

Part of the approval is our letter of approval ref. no. 032158-15 of 2015-04-27.
Bestandteil der Zulassung ist das Zulassungsansprechen, Tgb.-Nr. 032158-15 vom 2015-04-27.

Hamburg, 2015-04-27

DNV GL SE

i.A.
Stefan Röhr

i.A.
Oliver Krömer

Ref. no.: 032158-15

Manufacturer: ISD Huta Czestochowa Sp. z o.o.

List 1: Plates, Strips, Sections and Bars, Prematerial

Grade Remarks	Key	Supply Condition (1)	min. Thick- ness, mm	max. Thick- ness, mm	Casting Method (2)	Deoxidation	Microalloy
GL-A	BL	AR	6	50	CC	killed	Al
GL-A incl. Z25 / Z35	BL	N	6	75	CC	killed	Al
GL-B	BL	AR	6	50	CC	killed	Al
GL-B incl. Z25 / Z35	BL	N	6	75	CC	killed	Al
GL-D incl. Z25 / Z35	BL	N	6	75	CC	killed	Al
GL-E	BL	N	6	50	CC	killed	Al
GL-A32	BL	N	6	50	CC	killed	Al+Nb
GL-A36	BL	CR	6	50	CC	killed	Al+Nb
GL-A36	BL	N	6	50	CC	killed	Al+Nb
GL-A36	BL	TM	6	50	CC	killed	Al+Nb
GL-D32	BL	N	6	50	CC	killed	Al+Nb
GL-D36	BL	CR	6	50	CC	killed	Al+Nb
GL-D36	BL	N	6	50	CC	killed	Al+Nb
GL-D36	BL	TM	6	50	CC	killed	Al+Nb
GL-E32	BL	N	6	50	CC	killed	Al+Nb
GL-E36	BL	CR	6	50	CC	killed	Al+Nb
GL-E36	BL	N	6	50	CC	killed	Al+Nb
GL-E36	BL	TM	6	50	CC	killed	Al+Nb
S235J0 acc. to EN 10025-2 incl. Z25 / Z35	BL	acc. to standard	6	75	CC	killed	acc. to standard
S235J2 acc. to EN 10025-2 incl. Z25 / Z35	BL	acc. to standard	6	75	CC	killed	acc. to standard
S235JR acc. to EN 10025-2 incl. Z25 / Z35	BL	acc. to standard	6	75	CC	killed	acc. to standard
S275J0 acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard
S275J2 acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard

(1):
 AC, AF, AR = as cast, as forged, as rolled
 CR = controlled rolled
 F = ferritized
 HF = hot formed
 N = normalized

N+T = normalized + tempered
 Q+T = quenched + tempered
 SH = surface hardened
 S+Q = solution annealed + quenched
 TM = thermomechanically rolled

(2):
 CC = continuous casting
 IC = ingot casting

Ref. no.: 032158-15

Manufacturer: ISD Huta Czestochowa Sp. z o.o.

Grade Remarks	Key	Supply Condition (1)	min. Thick- ness, mm	max. Thick- ness, mm	Casting Method (2)	Deoxidation	Microalloy
S275JR acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355J0 acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355J2 acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355JR acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355K2 acc. to EN 10025-2	BL	acc. to standard	6	50	CC	killed	acc. to standard
S275N acc. to EN 10025-3	BL	acc. to standard	6	50	CC	killed	acc. to standard
S275NL acc. to EN 10025-3	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355N acc. to EN 10025-3	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355NL acc. to EN 10025-3	BL	acc. to standard	6	50	CC	killed	acc. to standard
S275M acc. to EN 10025-4	BL	acc. to standard	6	50	CC	killed	acc. to standard
S355M acc. to EN 10025-4	BL	acc. to standard	6	50	CC	killed	acc. to standard

Key: BD Strip BF Wide Flats BL Plate FO Sections HZ Prematerial (Ingots, Slabs, Billets) ST Bars WFS Bulbflatbars

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