OVERVIEW OF MATERIALS



Greyiron SS- EN				
Symbol EN	Number EN	Earlier SIS standard (Sweden)	Earlier DIN 1691 (Germany)	Earlier BS1452 (UK)
Based on Tensile properties from casted testbar				
EN-GJL-100	EN-JL1010	SS-0110	GG-10	-
EN-GJL-150	EN-JL1020	SS-0115	GG-15	Grade 150
EN-GJL-200	EN-JL1030	SS-0120	GG-20	Grade 220
EN-GJL-250	EN-JL1040	SS-0125	GG-25	Grade 260
EN-GJL-300	EN-JL1050	SS-0130	GG-30	Grade 300
EN-GJL-350	EN-JL1060	SS-0135	GG-35	Grade 350
Based on hardness (Brinell) on raw casting				
EN-GJL-HB155	EN-JL2010	SS-0212-00	GG-150 HB	-
EN-GJL-HB175	EN-JL2020	SS-0215-00	GG-170 HB	-
EN-GJL-HB195	EN-JL2030	SS-0217-00	GG-190 HB	-
EN-GJL-HB215	EN-JL2040	SS-0219-00	GG-220 HB	-
EN-GJL-HB235	EN-JL2050	SS-0221-00	GG-240 HB	-
EN-GJL-HB255	EN-JL2060	SS-0223-00	GG-260 HB	-
Speheroidal Graphite cast iron SS-EN 1563[1]				
Symbol EN	Number EN	Earlier SIS standard (Sweden)	Earlier DIN 1693 (Germany)	Earlier BS2789 (UK)
Based on Tensile properties from casted testbar				
EN-GJS-350-22-LT	EN-JS1015	SS-0717-15	-	-
EN-GJS-400-18-LT	EN-JS1025	SS-0717-02	GGG-35,3	Grade 420/12
EN-GJS-400-15	ENJS1030	SS-0717-00	GGG-40	Grade 400/18L20
EN-GJS-450-10	EN-JS1040	SS-0722-00	-	-
EN-GJS-500-7	EN-JS1050	SS-0727-00	GGG-50	Grade 500/7
EN-GJS-600-3	EN-JS1060	SS-0732-03	GGG-60	Grade 600/3
EN-GJS-700-2	EN-JS1070	SS-0737-01	GGG-70	Grade 700/2
Based on hardness (Brinell) on casting				
EN-GJS-HB130	EN-JS2010	SS-0717-15	-	-
EN-GJS-HB150	EN-JS2020	SS-0717-02	-	-
EN-GJS-HB155	EN-JS2030	SS-0717-00	-	-
EN-GJS-HB185	EN-JS2040	SS-0722-00	-	-
EN-GJS-HB200	EN-JS2050	SS-0727-00	-	-
EN-GJS-HB230	EN-JS2060	SS-0732-03	-	-
EN-GJS-HB265	EN-JS2070	SS-0737-01	-	-

[1] Standard SS-EN 1563 is extending old standards , to be produced with characterestic from either hardnes (Brinell) or tensile properties from testbar.

We are specialists in manufacturing specific materials in weight classes and annual volumes in accordance with our business concept and strategy.

We offer our customers a wide spectrum of products between 0.1 – 7000 kg in the standardised materials that are shown in the tables.

In addition to these materials we manufacture products in different iron qualities that are specified by our customers.

Continuous checking of our Melting process takes place in our laboratory using Spectrometers, thermal analysis, microstructure and hardness testing.

We can enclose all data from these tests in a certificate in connection with delivery.

White Iron SS-EN 12513 (Based on hardness[2] on casting				
Symbol EN	Number EN	Earlier SIS standard (Sweden)	Earlier DIN 1695 (Germany)	Earlier BS4844 (UK)
EN-GJN-HV350	EN-JN2019	-	-	-
EN-GJN-HV520	EN-JN2029	SS-0512	G-X260 NiCr 4 2	Grade 2 A
EN-GJN-HV550	EN-JN2039	SS-0513	G-X NiCr 4 2	Grade 2 B
EN-GJN-HV600	EN-JN2049	SS-0457	G-X 300 CrNiSi 9 5 2	Grade 2 D
EN-GJN-HV600	EN-JN3049	SS-0466	G-X260 Cr 27	Grade 3 E
Different contents of Crome (Cr) could be added according to standard or customer-demand.				
Materials according to nationell Standards (not replaced by EN)				
Symbol EN	Number EN	SIS (Sweden)	DIN (Germany)	BS(UK)
-	-	SS-0523	GGL-NiCr 20 2	Grade F2
-	-	SS-0772	GGG-NiMn 13 7	Grade S2
-	-	SS-0776	GGG-NiCr 20 2	Grade S6

[2] Agrement between foundry and customer in what scale hardness should be presented. Standard for foundry is Brinell. SS-EN 12513 has an table with conversion between Vickers, Brinell and Rockwell

Inspection documents can be provided according to **SS-EN10204:2005** and should be specified in order to foundries, togheter with detailed information about what kind of inspection document and testresults that should be involved.

Reference EN 10204	Name of document	Contents of document	Validity of document
Type 2.1	Declaration of compli-ance with the order	Declaration of delivery ac-cording to order	Supplier
Type 2.2	Test report	Declaration of delivery ac-cording to order and result from none-specific test	Supplier
Type 3.1	Inspection certificate 3.1	Declaration of delivery ac-cording to order and result from specific test	Suppliers authorised control-unit, independent from manu-factoring department
Type 3.2	Inspection certificate 3.2	Declaration of delivery ac-cording to order and result from specific test	Suppliers authorised control-unit, independent from manu-factoring department and ei-ther buyers autorised control-unit or controlunit appointed by official rules.

Other materials connected to modified or own standards can be produced for different application areas such as Wear– and heatrecistance. Detailed tables according to charasterics of each material can be provided if necassary.

Testequipment: Spectrometer, ATAS, Laboratory, Testfacility for hardness, Ultrasonic, CAD/CAM, Flow– and solidsimulation, Liqiuid penetrationtest, Magnetic particaltest, X-ray

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FACTS

Machine– and handmoulding.
Short– up to midseries

Castingweights from 0,1 kg up to 7 000 kg.

Castingtolerances (CT) 8-13

Approval to ISO 9001, ISO 14001

Classified by; Det Norske Veritas, Lloyds Register of Shipping, Bureau Veritas and Germanishe Lloyds

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