

(according to regulation EU No 305/2011)

No. AMDI-2/01-CPR-13-1

1) Code of the product type: **1.0038**

2) Type: Sections/Bars S235JR according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just

House

Essential characteristic			Perfo	rmance	Harmonised technical specification	
Tolerances on	Angles		EN1	EN10056-2		
dimensions and shape		I and H sections	EN	10034		
		Tapered Flange I		10024		
		UPE, UPN	EN	10279		
	HL920 HD36	O, HL1000 with G _{HL} >G _{HLM} , 60/400, UB1016, HE1000 with G _{HE} > G _{HEM}		TM A6		
Yield strength	No	minal thickness (mm)	Value	es (MPa)		
g	>	<u> </u>		min		
	-	16		235		
	16	40	2	225		
	40	63				
	63	80	1 2	215		
	80	100	1			
	100	140	1	195		
Tensile strength	Nominal thickness (mm)				es (MPa)	
-	>	≤ ` `	min	max		
	=3	100	360	510		
	100	140	350	500		
Elongation	Nominal thickness (mm)		Valu	ies (%)	EN 10025-1:2004	
_	^	≤	min			
	=3	40	26			
	40	63	25			
	63	100		24		
	100	140		22		
Impact strength	No	minal thickness (mm)	Valu	ues (J)		
	>	≤	r	min		
		140	27 at	t +20℃		
Weldability	No	minal thickness (mm)	Valu	ies (%)		
	>	≤	r	nax		
		30	C),35		
	30	40	C),35		
	40	140	C),38		
Durability	No	minal thickness (mm)	Valu	ies (%)		
(Chemical composition)	^	≤		nax		
		140	C: 0,17	Cu: 0,55		
			Mn : 1,40 P : 0,040	S: 0,040 N*: 0,012		
	* The ma: content o	x. value for nitrogen does not apply f 0,020% or if sufficient other N bind	if the chemical composition s ling elements are present	hows a minimum total Al		



(according to regulation EU No 305/2011)

No. AMDI-2/02-CPR-13-1

1) Code of the product type: **1.0114**

2) Type: Sections/Bars S235J0 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Justin.

House

Essential characteristic		Performance		technical specification	
Tolerances on		Angles	EN1	0056-2	
dimensions and shape	I and H sections		EN 10034		1
	Tapered Flange I			10024	
		UPE, UPN	EN	10279	
), HL1000 with G _{HL} >G _{HLM} ,			
	HD36	60/400, UB1016, HE1000	AST	TM A6	
		with G _{HE} > G _{HEM}			
Yield strength		minal thickness (mm)		s (MPa)	
	>	≤		nin	4
	40	16		235	
	16	40	2	25	4
	40	63	,	M.F.	
	63 80	80 100	_	215	
	100	140	 	0E	4
Tensile strength		minal thickness (mm)	195 Values (MPa)		+
Tensile strength	>		min	max	-
	=3	100	360	510	
	100	140	350	500	1
Elongation		minal thickness (mm)		es (%)	EN 10025-1:2004
3	>	≤	<u> </u>	nin	211 10020 112001
	=3	40	26		
	40	63	25		1
	63	100		24	
	100	140	22		
Impact strength	Nominal thickness (mm)			ies (J)	
	>	≤		nin	
		140		at 0℃	
Weldability		minal thickness (mm)		es (%)	
	>	≤		nax	4
	- 00	30		,35	4
	30	40	0,35		4
Durability	40 No.	140 minal thickness (mm)	0,38 Values (%)		4
(Chemical composition)	>	ininai unickness (inin) ≤		nax	
(Onemical composition)		140	C: 0,17	Cu : 0,55	+
		140	Mn : 1,40	S: 0,035	
			P: 0.035	N* : 0.012	
		x. value for nitrogen does not apply i	f the chemical composition s	- , -	1
	content o	f 0,020% or if sufficient other N bindi	ng elements are present		

Performance

Essential characteristic

Harmonised

technical



(according to regulation EU No 305/2011)

No. AMDI-2/03-CPR-13-1

1) Code of the product type: **1.0117**

2) Type: Sections/Bars S235J2 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just.

House

					specification
Tolerances on		Angles	EN10	0056-2	
dimensions and shape		I and H sections	EN ·	10034	
	Tapered Flange I		EN.	EN 10024	
		UPE, UPN	EN.	10279	
	HL920), HL1000 with G _{HL} >G _{HLM} ,			
	HD36	60/400, UB1016, HE1000	AST	TM A6	
		with $G_{HE} > G_{HEM}$			
Yield strength	Nominal thickness (mm)		Value	s (MPa)	
	>	≤		nin	
		16		235	
	16	40	2	25	
	40	63			
	63	80	2	215	
	80	100			
	100	140	195		
Tensile strength	No	minal thickness (mm)	Values (MPa)		
	>	≤	min	max	
	=3	100	360	510	
	100	140	350	500	
Elongation	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		
	=3	40	26		
	40	63	25		
	63	100	24		
	100	140	22		
Impact strength	Nominal thickness (mm)			ies (J)	
	>	≤	· ·	nin	
Waldala Billion	NI.	140	27 at -20℃		
Weldability		minal thickness (mm)		es (%)	
	>	≤		nax	
	20	30 40		,35	
	30 40	140	0,35 0,38		
Durability		minal thickness (mm)		,so es (%)	
(Chemical composition)	NO!	minai thickness (mm) ≤		` '	
(Criemical composition)		140	C: 0,17	nax Cu : 0,55	
		140	Mn : 1,40	S: 0,030	
			P: 0,030	3.0,030	
	Fully kille	d steel containing nitrogen binding el		to bind the available nitrogen	+
		ple min. 0,02% AI)		and aramable introgen	

Performance

Essential characteristic

Harmonised

technical



(according to regulation EU No 305/2011)

No. AMDI-2/04-CPR-13-1

1) Code of the product type: **1.0044**

2) Type: Sections/Bars S275JR according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Jaish.

House

					Specification
Tolerances on		Angles	EN	10056-2	
dimensions and shape		I and H sections	EN	N 10034	
	Tapered Flange I		EN 10024		
		UPE, UPN	EN	N 10279	
), HL1000 with G _{HL} >G _{HLM} ,			
	HD36	60/400, UB1016, HE1000	AS	STM A6	
		with G _{HE} > G _{HEM}			
Yield strength		minal thickness (mm)	Valu	ies (MPa)	
	>	≤		min	
		16		275	
	16	40		265	
	40	63		255	
	63	80		245	
	80	100		235	
	100	140		225	
Tensile strength	No	minal thickness (mm)		ies (MPa)	
	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Val	lues (%)	EN 10025-1:2004
	>	≤	min		
	=3	40	23		
	40	63		22	
	63	100		21	
	100	140	19		
Impact strength	No	minal thickness (mm)	Va	lues (J)	
	>	≤		min	
		140		at +20℃	
Weldability		minal thickness (mm)	Values (%)		
	>	≤		max	
		30		0,40	
	30	40		0,40	
5 1 1111	40	140		0,42	
Durability		minal thickness (mm)	va	lues (%)	
(Chemical composition)	>	≤	0.001	max	
		140	C: 0,21	Cu: 0,55	
			Mn : 1,50	S: 0,040	
	* The ::::	v velve for pitronen does not over the	P: 0,040	N* : 0,012	4
1		x. value for nitrogen does not apply if f 0,020% or if sufficient other N bindi		sriows a minimum total Al	
		.,	3 a p. 300/n		

Essential characteristic

Harmonised

technical specification



(according to regulation EU No 305/2011)

No. AMDI-2/05-CPR-13-1

1) Code of the product type: 1.0143

2) Type: Sections/Bars S275J0 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Belval and Differdance S.A. 3) Site of Differdange Rue Emile Mark L-4503 Differdange (G.D. of Lu Tel: +352 5820 2870 www.arcelormittal.com/se

> System of assessment and verification performance of the produc System 2+

Notified factory production control certificat Karlsruher Institut für Technologie (KIT) - \ Stahl, Holz und Steine performed the initia manufacturing plant and of factory producti continuous surveillance, assessment, and ev production control and issued the certificate factory production control

The performance of the product identified in conformity with the declared performan

This declaration of performance is issued responsibility of the manufacturer identified in and on behalf of the manufactu

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Chris Qu

275 265 255 245 235 225 Values (MP Values (% min 23 22 21 19 Values (J)	max 560 540	EN 10025-1:2004	
255 245 235 225 Values (MP Values (% min 23 22 21 19	max 560 540	EN 10025-1:2004	
245 235 225 Values (MP Values (% min 23 22 21 19	max 560 540	EN 10025-1:2004	
235 225 Values (MP Values (% min 23 22 21 19	max 560 540	EN 10025-1:2004	
225 Values (MP Values (% min 23 22 21 19	max 560 540	EN 10025-1:2004	
Values (MP Values (% min 23 22 21 19	max 560 540	EN 10025-1:2004	
Values (% min 23 22 21 19	max 560 540	EN 10025-1:2004	
min 23 22 21 19	560 540 •)	EN 10025-1:2004	
min 23 22 21 19	540	EN 10025-1:2004	
min 23 22 21 19	5)	EN 10025-1:2004	
min 23 22 21 19		EN 10025-1:2004	
23 22 21 19	.		
22 21 19	1		
21 19	.		
19	\		
Values (J)	\		
Values (J)			
min			
27 at 0℃			
Values (%	b)		
max			
0,40			
0,40			
0,42			
Values (%	b)		
max			
Cu :	: 0,55		
S:0	0,035		
* The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present			
	Values (%	Values (%) max 0,40 0,40 0,42 Values (%) max Cu: 0,55 S: 0,035 N*: 0,012 position shows a minimum total Al	

Essential characteristic

>

Angles

I and H sections

Tapered Flange I

UPE. UPN

HL920, HL1000 with G_{HL}>G_{HLM},

HD360/400, UB1016, HE1000

with $G_{HE} > G_{HEM}$

Nominal thickness (mm)

≤

Tolerances on

Yield strength

dimensions and shape

Harmonised

technical specification

Performance

EN10056-2

EN 10034

EN 10024

EN 10279

ASTM A6

Values (MPa)

min



(according to regulation EU No 305/2011)

No. AMDI-2/06-CPR-13-1

1) Code of the product type: **1.0145**

2) Type: Sections/Bars S275J2 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just.

House

Essential characteristic			Performance		technical specification
Tolerances on	Angles		EN10	056-2	
dimensions and shape	I and H sections		EN 10034		
		Tapered Flange I	EN 1	0024	7
		UPE, UPN	EN 1	0279	7
	HL920), HL1000 with G _{HL} >G _{HLM} ,			
	HD36	60/400, UB1016, HE1000	AST	M A6	
Violal atnomath	Ma	with G _{HE} > G _{HEM}	Value	(MD-)	4
Yield strength		minal thickness (mm)		s (MPa)	=
	>	≤		in	4
	40	16		75	4
	16	40		65	4
	40	63		55	4
	63	80		45	4
	80	100		35	
Town the storm with	100	140		25	4
Tensile strength		minal thickness (mm)		(MPa)	
	>	≤	min	max	
	=3	100	410	560	4
	100	140	400	540	4
Elongation		minal thickness (mm)	Values (%)		EN 10025-1:2004
	>	≤		in	4
	=3	40	_	3	4
	40	63		2	
	63	100	2		4
	100	140	19		
Impact strength		minal thickness (mm)	Value		4
	>	≤		in	4
		140	27 at		4
Weldability		minal thickness (mm)		es (%)	4
	>	≤		ax	4
		30	,	40	
	30	40	- /	40	4
	40	140	0,42		4
Durability		minal thickness (mm)	Values (%)		4
(Chemical composition)	>	≤		ax	4
		140	C : 0,18 Mn : 1,50	Cu: 0,55 S: 0,030	
			P: 0.030	3 . 3,000	
	Fully kille	d steel containing nitrogen binding el		bind the available nitrogen	1
	(for exam	ple min. 0,02% AI)			

Harmonised



(according to regulation EU No 305/2011)

No. AMDI-2/07-CPR-13-1

1) Code of the product type: 1.0045

2) Type: Sections/Bars S355JR according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A. Site of Differdange Rue Emile Mark L-4503 Differdange (G.D. of Luxembourg) Tel: +352 5820 2870 www.arcelormittal.com/sections

> System of assessment and verification of constancy of performance of the product: System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux **Quality Manager**

					opcomodion
Tolerances on		Angles	EN	10056-2	
dimensions and shape		I and H sections	EN	N 10034	
		Tapered Flange I		N 10024	
		UPE, UPN	EN	N 10279	
	HL920	, HL1000 with G _{HL} >G _{HLM} ,			
	HD36	0/400, UB1016, HE1000	AS	STM A6	
		with $G_{HE} > G_{HEM}$			
Yield strength	Non	ninal thickness (mm)	Valu	ies (MPa)	
	>	≤		min	
		16		355	
	16	40		345	
	40	63		335	
	63	80		325	
	80	100		315	
	100	140		295	
Tensile strength	Non	ninal thickness (mm)		ies (MPa)	
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		LIN 10023-1.2004
	=3	40	22		
	40	63	21		
	63	100		20	
	100	140		18	
Impact strength	1	ninal thickness (mm)	Va	lues (J)	
	>	≤		min	
		140		at +20℃	
Weldability		ninal thickness (mm)	Values (%)		
	>	≤		max	
		30		0,45	
	30	40		0,47	
	40	140	.,	0,47	
Durability		ninal thickness (mm)	Values (%)		
(Chemical composition)	>	≤		max	
		140	C: 0,24	Cu: 0,55	
			Si : 0,55	S: 0,040	
			Mn : 1,60	N*: 0,012	
			P:0,040		
	* The max content of	. value for nitrogen does not apply it 0,020% or if sufficient other N bindi	the chemical composition ng elements are present	shows a minimum total AI	

Essential characteristic

Harmonised

technical specification



(according to regulation EU No 305/2011)

No. AMDI-2/08-CPR-13-1

1) Code of the product type: 1.0553

2) Type: Sections/Bars S355J0 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A. Site of Differdange Rue Emile Mark L-4503 Differdange (G.D. of Luxembourg) Tel: +352 5820 2870 www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product: System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-Francois Liesch Site Manager Differdange Christophe Houvoux **Quality Manager**

> ≤ min 16 355 16 40 345 40 63 335 63 80 325 80 100 315 295 100 140 Nominal thickness (mm) Values (MPa) Tensile strength ≤ min max > =3 100 470 630 100 140 450 600 Elongation Nominal thickness (mm) Values (%) EN 10025-1:2004 ≤ min > =3 40 22 40 63 21 63 100 20 18 100 140 Impact strength Nominal thickness (mm) Values (J) min ≤ 140 27 at 0℃ Nominal thickness (mm) Weldability Values (%) max 30 0,45 30 40 0,47 40 140 0.47 Durability Nominal thickness (mm) Values (%) (Chemical composition) ≤ max 140 C: 0.20 Cu: 0.55 Si: 0.55 S: 0.035 Mn: 1,60 N*: 0,012 P: 0,035 * The max, value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present

Essential characteristic

Angles

I and H sections

Tapered Flange I

UPE. UPN

HL920. HL1000 with G_{HL}>G_{HLM},

HD360/400, UB1016, HE1000

with $G_{HE} > G_{HEM}$

Nominal thickness (mm)

Tolerances on

Yield strenath

dimensions and shape

Harmonised

technical specification

Performance

EN10056-2

EN 10034

EN 10024

EN 10279

ASTM A6

Values (MPa)



(according to regulation EU No 305/2011)

No. AMDI-2/09-CPR-13-1

1) Code of the product type: **1.0577**

2) Type: Sections/Bars S355J2 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just.

House

Tolerances on	Angles EN10056-2				
dimensions and shape	I and H sections		EN 10034		
	Tapered Flange I		EN 10024		1
		UPE, UPN	EN	10279	1
	HL920	, HL1000 with G _{HL} >G _{HLM} ,			1
		0/400, UB1016, HE1000	AS	TM A6	
		with $G_{HE} > G_{HEM}$			
Yield strength	Nor	ninal thickness (mm)	Value	es (MPa)	
	>	≤		min	
		16		355	
	16	40		345	
	40	63		335	
	63	80		325	
	80	100		315	
	100	140		295	
Tensile strength	Nor	ninal thickness (mm)	Value	es (MPa)	
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nor	ninal thickness (mm)		ues (%)	EN 10025-1:2004
	>	≤		min	
	=3	40	22 21		
	40	63			
	63	100		20	
	100	140		18	
Impact strength	Nor	ninal thickness (mm)		ues (J)	
	>	≤		min	
		140		at -20℃	
Weldability		ninal thickness (mm)		ues (%)	
	>	≤		max	
		30		0,45	
	30	40		0,47	
	40	140		0,47	
Durability	Nor	ninal thickness (mm)	Valu	ues (%)	
(Chemical composition)	>	≤		max	
		140	C: 0,20	Cu: 0,55	
			Si: 0,55	S:0,030	
			Mn : 1,60	P:0,030	_
		I steel containing nitrogen binding el ble min. 0,02% AI)	ement in amounts sufficient	t to bind the available nitrogen	
	(in evalin	716 Hills. U,UZ /0 /NI)			1

Essential characteristic

Harmonised

technical specification



(according to regulation EU No 305/2011)

No. AMDI-2/10-CPR-13-1

1) Code of the product type: **1.0596**

2) Type: Sections/Bars S355K2 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Date: 01.07.2013

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

- History

House

Tolerances on		Angles	EN1	0056-2	
dimensions and shape		I and H sections	EN	10034	
		Tapered Flange I	EN	EN 10024	
		UPE, UPN	EN	10279	
	HL920), HL1000 with G _{HL} >G _{HLM} ,			
		60/400, UB1016, HE1000	AS ⁻	TM A6	
		with $G_{HE} > G_{HEM}$			
Yield strength	Noi	minal thickness (mm)	Value	es (MPa)	
	>	≤	ı	min	
		16		355	
	16	40		345	
	40	63		335	
	63	80	(325	
	80	100		315	
	100	140	2	295	
Tensile strength	Noi	minal thickness (mm)	Value	es (MPa)	
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	No	minal thickness (mm)	Values (%)		EN 10025-1:2004
	>	≤	min		
	=3	40	22		
	40	63	21		
	63	100		20	
	100	140		18	
Impact strength	Noi	minal thickness (mm)		ues (J)	
	>	≤		min	
		140		t -20℃	
Weldability	Noi	minal thickness (mm)	Valu	ies (%)	
	>	≤		nax	
		30),45	
	30	40),47	
	40	140),47	
Durability		minal thickness (mm)	Valu	ies (%)	
(Chemical composition)	>	≤		nax	
		140	C: 0,20	Cu : 0,55	
			Si : 0,55	S:0,030	
			Mn : 1,60	P:0,030	
		d steel containing nitrogen binding el	lement in amounts sufficient	to bind the available nitroger	n
L	(ioi exam	pie min. 0,02% Alj			

Essential characteristic

Harmonised

technical specification



(according to regulation EU No 305/2011)

No. AMDI-2/11-CPR-13-1

1) Code of the product type: **1.0590**

2) Type: Sections/Bars S450J0 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just.

1 Deput

Essential characteristic			Perf	Performance	
Tolerances on	Angles		EN10056-2		
dimensions and shape		I and H sections	EN	I 10034	1
		Tapered Flange I	EN	I 10024	1
		UPE, UPN		I 10279	1
		0, HL1000 with $G_{HL}>G_{HLM}$, 0/400, UB1016, HE1000 with $G_{HE}>G_{HEM}$	AS	STM A6	_
Yield strength	Nor	ninal thickness (mm)	Valu	es (MPa)	
	>	≤		min	
		16		450	1
	16	40		430	
	40	63		410	
	63	80		390	
	80	100		380	1
	100	140		380	
Tensile strength	Nor	ninal thickness (mm)	Valu	es (MPa)	1
	>	≤	min	max	
	=3	100	550	720	1
	100	140	530	700	
Elongation	Nor	ninal thickness (mm)	Val	ues (%)	
	>	≤	min		
	=3	40			EN 10025-1:2004
	40	63		17	
	63	100] ''		
	100	140			
Impact strength	Nor	minal thickness (mm)	Val	Values (J)	
	>	≤	min		
		140	27	at 0℃	
Weldability	Nor	ninal thickness (mm)	Val	ues (%)	
	>	≤		max	
		30		0,47	
	30	40		0,49	
	40	140		0,49	
Durability	Nor	minal thickness (mm)	Val	ues (%)	
(Chemical composition)	>	≤		max	
		140	C : 0,20 Si : 0,55 Mn : 1,70	Cu : 0,55 S : 0,035 N* : 0,025	
	P: 0,035 * The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al				-
	content of 0,020% or if sufficient other N binding elements are present The steel may show a Nb content of max. 0,05%, a V content of max. 0,13% and a Ti content of max. 0,05%.				
		d steel containing nitrogen binding el ole min. 0,02% AI)	ement in amounts sufficier	it to bind the available hitrogen	



(according to regulation EU No 305/2011)

No. AMDI-4/01-CPR-13-1

1) Code of the product type: **1.8818**

2) Type: Sections/Bars S275M according EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just.

Mouse

Essenti	al chara	cteristic		Performar	Harmonised technical specification	
Tolerances on		Angles	EN10056-2			
dimensions and shape		I and H sections		EN 1003	4	-
		Tapered Flange I		EN 1002		
		UPE, UPN		EN 1027	9	
	HL920 HD36	, HL1000 with $G_{HL}>G_{HLM}$, 0/400, UB1016, HE1000 with $G_{HE}>G_{HEM}$		ASTM A	6	
Yield strength	Nor	ninal thickness (mm)		Values (M	Pa)	
· ·	>	≤ ` `		min	•	
		16		275		
	16	40		265		
	40	63		255		
	63	80		245		
	80	100		245		
	100	140		240		
Tensile strength	Nor	ninal thickness (mm)		Values (M	Pa)	
	>	≤	min		max	
		40	370		530	
	40	63	360		520	
	63	80	350		510	
	80	100	350		510	
	100	140	350		510	
Elongation	Nor	minal thickness (mm)		Values (%)		EN 10025-1:2004
	^	≤		min		
		140	24			
Impact strength	Nor	ninal thickness (mm)		Values (J)	
	>	≤		min		
		140		40 at -209		
Weldability	Nor	ninal thickness (mm)		Values (%)		
	>	≤		max		
		16		0,34		
	16	40		0,34		
	40	63		0,35		
	63	140		0,38		
Durability		ninal thickness (mm)	Values (%)			
(Chemical composition)	>	≤	min	0 0 15	max	-
		140	Alt. 0.00	C: 0,15 Mn: 1,50 Si: 0,50 P: 0,035 S: 0,030 Nb: 0,05 V: 0,08	Ti: 0,05 Cr: 0,30 Mo: 0,10 Ni: 0,30 Cu: 0,55 N: 0,015	
	* If sufficie	ent other nitrogen hinding elements	Al*: 0,02	nimum aluminiur	n requirement does	-
	* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply					



(according to regulation EU No 305/2011)

No. AMDI-4/03-CPR-13-1

1) Code of the product type: **1.8823**

2) Type: Sections/Bars S355M according EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Date: 01.07.2013

Tolerances on	Angles		EN10056-2			
dimensions and shape		I and H sections		EN 10034		
		Tapered Flange I		EN 10024	7	
		UPE, UPN		EN 10279		7
	HL920	, HL1000 with G _{HL} >G _{HLM} ,				7
	HD36	0/400, UB1016, HE1000		ASTM A6		
		with $G_{HE} > G_{HEM}$				
Yield strength		ninal thickness (mm)		Values (MP	a)	
	>	≤		min		
		16		355		
	16	40		345		
	40	63		335		
	63	80		325		
	80	100		325		
	100	140		320		
Tensile strength		ninal thickness (mm)		Values (MP		
	>	≤	min		max	
	40	40	470	-	630	4
	40	63	450		610	
	63	80	440		600	
	80	100	440		600	
	100	140	430	14 1 (0/)	590	EN 10025-1:2004
Elongation	Nominal thickness (mm)			Values (%)		EN 10025-1.2004
	>	<u>≤</u>		min		4
Impost strongth	Non	140		22		=
Impact strength		ninal thickness (mm) ≤	Values (J)		=	
	>	140		min 40 at -20℃		=
Weldability	Non	ninal thickness (mm)		Values (%)		-
Weldability	>	<u> </u>	max			-
		<u>=</u> 16		0,39		=
	16	40		0,39		
	40	63		0,40		
	63	140		0,45		=
Durability		ninal thickness (mm)		Values (%)		7
(Chemical composition)	>	≤	min		nax	
, ,		140		C: 0,16	Ti: 0,05	
				Mn: 1,60	Cr: 0,30	
				Si: 0,50	Mo: 0,10	
				P:0,035	Ni: 0,50	
				S: 0,030	Cu: 0,55	
				Nb : 0,05	N: 0,015	
			A1* . 0.00	V:0,10		4
	* If a(1: c: -	int other nitrogen binding along	AI* : 0,02	nimum alterniaites	roquiroment desc	4
	not apply	ent other nitrogen binding elements a	are present, the mil	nimum aluminium	requirement does	

Essential characteristic

Harmonised

technical specification



(according to regulation EU No 305/2011)

No. AMDI-4/04-CPR-13-1

1) Code of the product type: **1.8834**

2) Type: Sections/Bars S355ML according EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Angles	Essenti	al chara	acteristic	Performance			Harmonised technical specification
Tallor is sections			Angles		EN10056-	2	
Tube	dimensions and shape	I and H sections			EN 10034	1	
HL920, HL1000 with G _{H2} > G _{H2M} HD360/400, UB1016, HE1000 with G _{H2} > G _{H2M}					EN 10024	1	
HD360/400, UB1016, HE1000 STM A6			UPE, UPN		EN 10279)	
No No No No No No No No		HL920 HD36	60/400, UB1016, HE1000		ASTM A6)	
S	Yield strength	No	minal thickness (mm)		Values (MF	Pa)	
16						,	
Head			16		355		
Comparison		16	40		345		
Rominal thickness (mm)		40	63		335		
Tensile strength		63	80		325		
Nominal thickness (mm)		80	100		325		
S S Min Max 40 63 450 610 63 80 440 600 80 100 440 600 100 125 430 590		100	125		320		
Hominal thickness (mm) Values (%)	Tensile strength	No	minal thickness (mm)		Values (MF	Pa)	
40		>	≤	min		max	
63			40	470		630	
80		40	63	450		610	
Too 125 430 590 Elongation Nominal thickness (mm) Values (%)		63	80	440		600	
Nominal thickness (mm)		80	100	440		600	
Nominal thickness (mm) Values (J)				430			
Nominal thickness (mm) Values (J)	Elongation				Values (%	6)	EN 10025-1:2004
Nominal thickness (mm) Values (J)		>	> ≤				
Nominal thickness (mm) Values (%)			_				
Nominal thickness (mm) Values (%)	Impact strength			. ,)	
Weldability Nominal thickness (mm) Values (%) > ≤ max 16 40 0,39 40 63 0,40 63 140 0,45 Durability Nominal thickness (mm) Values (%) (Chemical composition) ≤ min max C: 0,16 Ti: 0,05 Mn: 1,60 Cr: 0,30 Mn: 1,60 Cr: 0,30 Si: 0,50 Mo: 0,10 P: 0,030 Ni: 0,50 S: 0,025 Cu: 0,55 Nb: 0,05 N: 0,015 V: 0,10 Al*: 0,02 * If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does		>					
S S Max 16							
16	Weldability					o)	
16		>					
40 63 0,40							
Chemical composition Sample Samp			_				
Durability Nominal thickness (mm) Values (%) S Min					-, -		
(Chemical composition) S							
140 C: 0,16 Mn: 1,60 Cr: 0,30 Si: 0,50 Mo: 0,10 P: 0,030 Ni: 0,50 S: 0,025 Cu: 0,55 Nb: 0,05 Nb: 0,05 V: 0,10 Al*: 0,02 * If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does			, ,				
Mn : 1,60	(Chemical composition)	>		min			
* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does			140	ΔI* · 0.02	Mn: 1,60 Si: 0,50 P: 0,030 S: 0,025 Nb: 0,05	Cr : 0,30 Mo : 0,10 Ni : 0,50 Cu : 0,55	
		* If suffici	ent other nitrogen hinding elements		nimum aluminium	requirement doos	4
				are present, the mi	minum aluminium	requirement does	



(according to regulation EU No 305/2011)

No. AMDI-4/07-CPR-13-1

1) Code of the product type: **1.8827**

2) Type: Sections/Bars S460M according EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Just

Dupus

Essential characteristic				Performano	Harmonised technical specification	
Tolerances on		Angles		EN10056-2		
dimensions and shape	1	and H sections		EN 10034		
		apered Flange I		EN 10024		
		UPE, UPN		EN 10279		
	HD360/4	HL1000 with $G_{HL}>G_{HLM}$, 400, UB1016, HE1000 vith $G_{HE}>G_{HEM}$		ASTM A6		
Yield strength		nal thickness (mm)		Values (MP	a)	1
	>	≤ ` ′		min	•	
		16		460		
	16	40		440		
	40	63		430		
	63	80		410		
	80	100		400		
	100	140		385		
Tensile strength	Nomir	nal thickness (mm)		Values (MP	a)	
	>	≤	min		max	
		40	540		720	
	40	63	530		710	
	63	80	510		690	
	80	100	500		680	
	100	140	490		660	
Elongation	Nominal thickness (mm)		Values (%)			EN 10025-1:2004
	>	≤	min			
		140		17		
Impact strength		nal thickness (mm)	Values (J)			
-	>	≤		min		
NAC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		140		40 at -20℃		
Weldability		nal thickness (mm)		Values (%)		_
-	>	≤		max		_
-	40	16		0,45		-
-	16 40	40 63		0,46		_
-	63	140		0,47		-
Durability				0,48		_
(Chemical composition)	Nominal thickness (mm) Values (%) composition) >			4		
(Chemical composition)	>	140	min	C : 0,18	nax Ti : 0,05	4
		140		Mn : 1,70	Cr : 0,30	
				Si : 0,60	Mo : 0,20	
				P: 0,035	Ni : 0,80	
				S:0,030	Cu : 0,55	
				Nb: 0,05	N: 0,025	
				V:0,12		
			AI* : 0.02			1
		other nitrogen binding elements a	-,-			



(according to regulation EU No 305/2011)

No. AMDI-4/08-CPR-13-1

1) Code of the product type: **1.8838**

2) Type: Sections/Bars S460ML according EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Justin.

House

Essenti	al charac	Essential characteristic				Harmonised technical specification
Tolerances on	Angles		EN10056-2			•
dimensions and shape		I and H sections		EN 10034		
	-	Tapered Flange I		EN 10024		
		UPE, UPN		EN 10279		
	HD360	HL1000 with $G_{HL}>G_{HLM}$, 1/400, UB1016, HE1000 with $G_{HE}>G_{HEM}$		ASTM A6		
Yield strength	Nom	inal thickness (mm)		Values (MPa)		
-	>	≤ ,		min		
		16		460		
	16	40		440		
	40	63		430		
	63	80		410		
	80	100		400		
	100	125		385		
Tensile strength	Nom	inal thickness (mm)		Values (MPa)		
	>	≤	min		max	
		40	540		720	
	40	63	530		710	
	63	80	510		690	
	80	100	500		680	
	100	125	490		660	
Elongation	Nom	inal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤		min		
		140		17		
Impact strength	Nom	inal thickness (mm)	Values (J)			
	>	≤		min		
		140		27 at -50℃		
Weldability		inal thickness (mm)		Values (%)		
	>	≤		max		
		16		0,45		
	16	40		0,46		
	40	63		0,47		
6 1.1111	63	140		0,48		
Durability		inal thickness (mm)		Values (%)		
(Chemical composition)	>	≤	min	ma		
		140		C: 0,18	Ti: 0,05	
				Mn : 1,70 Si : 0,60	Cr : 0,30 Mo : 0.20	
				P: 0,030	Ni : 0.80	
				S: 0,030	Cu: 0,55	
				Nb : 0,05	N: 0,025	
				V: 0,12	5,525	
			Al* : 0,02	2,1-		
		t other nitrogen binding elements	are present, the mi	nimum aluminium	requirement	
	does not ap	pply				



(according to regulation EU No 305/2011)

No. AMDI-4/09-CPR-13-1

1) Code of the product type: HISTAR 355

2) Type: Sections HISTAR 355 according ETA-10/0156

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A. Site of Differdance Rue Emile Ma L-4503 Differdange (G.D. o Tel: +352 5820 2 www.arcelormittal.com

> System of assessment and verificati performance of the pro System 2+

Notified factory production control certif Karlsruher Institut für Technologie (KIT) Stahl, Holz und Steine performed the i manufacturing plant and of factory prod continuous surveillance, assessment, ar production control and issued the certific factory production cor

The performance of the product identified conformity with the declared perform

This declaration of performance is iss responsibility of the manufacturer identifie and on behalf of the manufa

Jean-François Liesch Site Manager Differdange

Site of Differdange	Tensile strength	No	minal thickness (mm)	,	Values (MPa)		
Rue Emile Mark	Tensile strength	>	< /mmar unickness (mm)	min	Values (IIII a)	max	1
Differdange (G.D. of Luxembourg)			140	470		630	
Tel: +352 5820 2870	Elongation	No	minal thickness (mm)	470	Values (%)	030	1
ww.arcelormittal.com/sections	Liongation	>			min		1
ssment and verification of constancy of			140		22		•
rformance of the product:	Impact strength	No	minal thickness (mm)		Values (J)		
System 2+	impact strength	>	≤ (IIIII)		min		EN 10025-1:2004
			140		40 at -20℃		
duction control certification body No. 0769	Weldability	No	minal thickness (mm)		Values (%)		1
ür Technologie (KIT) - Versuchsanstalt für eine performed the initial inspection of the	Woldasiniy	>	≤ ()		max		•
it and of factory production control and the			63		0.39		•
nce, assessment, and evaluation of factory		63	82		0.39		•
nd issued the certificate of conformity of the		82	125		0.39		•
actory production control.		125	140		0,39**		1
	Durability	Nominal thickness (mm)		Values (%)			
the product identified in points 1 and 2 is in	(Chemical composition)	>	≤ ,	min max			
the declared performance in the table.			140		C: 0,12	Ti: 0,05	
of performance is issued under the colo					Mn : 1,60	Cr: 0,30	
of performance is issued under the sole nanufacturer identified in point 3. Signed for					Si : 0,50	Mo: 0,20	
behalf of the manufacturer by:					P:0,030	Ni: 0,30	
benan of the manadater by.					S:0,030	Cu: 0,55	
iesch Christophe Houyoux					Nb : 0,05	N: 0,015	
erdange Quality Manager				AI* - O OO	V:0,10		
addity Manager		* If suffici	ent other nitrogen binding elements a	Al*: 0,02	nimum aluminium	equirement	
		does not	apply	•	riiriam alaminiam	equirement	
17			ole upon agreement. Not included in rength: Mean value of 3 tests for full		4h ma aimela valva l	than 700/ of	
/ Ougout			rength: Mean value of 3 tests for full inteed average value. The provisions				
Mr.							
Date: 01.07.2013							

Essential characteristic

16

40

82

125

Angles

I and H sections

Tapered Flange I

UPE, UPN

HL920, HL1000 with G_{HL}>G_{HLM},

HD360/400, UB1016, HE1000

with $G_{HE} > G_{HEM}$

Nominal thickness (mm)

16

40

82

125

140

Tolerances on

Yield strength

dimensions and shape

Harmonised

technical specification

Performance

EN10056-2

EN 10034

EN 10024

EN 10279

ASTM A6

Values (MPa) min

355

355**



(according to regulation EU No 305/2011)

No. AMDI-4/10-CPR-13-1

1) Code of the product type: **HISTAR 355L**

2) Type: Sections HISTAR 355L according ETA-10/0156

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Date: 01.07.2013

Tolerances on		Angles	EN10056-2			
dimensions and shape		I and H sections		EN 10034		
		Tapered Flange I		EN 10024		
		UPE, UPN	EN 10279			
	HL920	O, HL1000 with G _{HL} >G _{HLM} ,				
		60/400, UB1016, HE1000		ASTM A6		
		with $G_{HE} > G_{HEM}$				
Yield strength	No	minal thickness (mm)		Values (MPa)		
	>	≤		min		
		16				
	16	40		355		
	40	82				
	82	125		355**		
Tensile strength	No	minal thickness (mm)		Values (MPa)		
	>	≤	min		max	
		140	470		630	
Elongation	No	minal thickness (mm)		Values (%)		
	>	≤	min			
		140		22		
Impact strength	Nominal thickness (mm)			Values (J)		EN 10025-1:2004
	>	≤	min		214 10020 1.2001	
		140		27 at -50℃		
Weldability	No	minal thickness (mm)		Values (%)		
	>	≤		max		
		63		0,39		
	63	82		0,39		
	82	125		0,39**		
Durability		minal thickness (mm)		Values (%)		
(Chemical composition)	>	≤	min	ma		
		140		C: 0,12	Ti: 0,05	
				Mn : 1,60	Cr: 0,30	
				Si: 0,50	Mo: 0,20	
				P:0,030	Ni : 0,30	
				S:0,025 Nb:0,05	Cu: 0,55 N: 0,015	
				V: 0,10	N . 0,015	
			Al* : 0.02	V . 0, 10		
	* If suffici	I ent other nitrogen binding elements a		ı nimum aluminium ı	equirement	
	does not	apply			-	
		ole upon agreement. Not included in rength: Mean value of 3 tests for full		th no single value l	ess than 70% of	
		inteed average value. The provisions				

Essential characteristic

Harmonised

technical specification



(according to regulation EU No 305/2011)

No. AMDI-4/11-CPR-13-1

1) Code of the product type: **HISTAR 460**

2) Type: Sections HISTAR 460 according ETA-10/0156

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Essential characteristic			Performance		Harmonised technical specification			
Tolerances on	Angles		EN10056-2			EN10056-2		
dimensions and shape		I and H sections		EN 10034		=		
		Tapered Flange I		EN 10024		•		
		UPE, UPN		EN 10279				
	HL920 HD36	0, HL1000 with $G_{HL}>G_{HLM}$, 0/400, UB1016, HE1000 with $G_{HE}>G_{HEM}$		ASTM A6				
Yield strength	Nor	minal thickness (mm)		Values (MPa)				
	>	<u> </u>		min				
		16						
	16	40		460				
	40	82						
	82	125		450				
	125	140		450**		1		
Tensile strength		minal thickness (mm)		Values (MPa)				
3	>	≤	min	,	max			
		140	540		720			
Elongation	Nominal thickness (mm)			Values (%)				
	>	≤ ,	min		1			
		140		17		1		
Impact strength	Nominal thickness (mm)		Values (J)			EN 10025-1:2004		
	>	≤	min		LIN 10025-1.2004			
		140	40 at -20℃					
Weldability	Nor	minal thickness (mm)		Values (%)				
	>	≤	max					
		63		0,41				
	63	82		0,43				
	82	125		0,43				
	125	140		0,43**				
Durability	Nor	minal thickness (mm)		Values (%)				
(Chemical composition)	>	≤	min	ma				
		140		C: 0,12	Ti: 0,05			
				Mn: 1,70	Cr: 0,30			
				Si : 0,60	Mo: 0,20			
				P:0,030	Ni : 0,70			
				S:0,030 Nb:0,05	Cu: 0,55 N: 0,025			
				V: 0,12	N . 0,023			
			Al* : 0,02	V . O, 12				
	* If sufficie	ent other nitrogen binding elements		I inimum aluminium i	equirement			
	does not a	apply				1		
		le upon agreement. Not included in ength: Mean value of 3 tests for full		th no single value l	ess than 70% of	-		
	the guara	nteed average value. The provisions	according to EN	10025-1: 2004 are	applicable.			



(according to regulation EU No 305/2011)

No. AMDI-4/12-CPR-13-1

1) Code of the product type: HISTAR 460L

2) Type: Sections HISTAR 460L according ETA-10/0156

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

House

Essential characteristic				Performance		Harmonised technical specification		
Tolerances on		Angles	EN10056-2			EN10056-2		
dimensions and shape		I and H sections		EN 10034				
		Tapered Flange I		EN 10024				
		UPE, UPN		EN 10279				
		0, HL1000 with $G_{HL}>G_{HLM}$, 0/400, UB1016, HE1000 with $G_{HE}>G_{HEM}$		ASTM A6				
Yield strength	Nor	ninal thickness (mm)		Values (MPa)				
	>	≤		min				
		16						
	16	40		460				
	40	82						
	82	125		450**				
Tensile strength	Noi	ninal thickness (mm)		Values (MPa)				
	>	≤	min		max			
		140	540		720			
Elongation	Nominal thickness (mm)			Values (%)				
	>	≤	min					
		140		17				
Impact strength	Nominal thickness (mm)		Values (J)					
	>	≤		min		EN 10025-1:2004		
		140		27 at -50℃				
Weldability	Nor	minal thickness (mm)		Values (%)				
	>	≤	max					
		63		0,41				
	63	82		0,43				
	82	125		0,43				
	125	140		0,43**				
Durability	_	minal thickness (mm)		Values (%)				
(Chemical composition)	>	≤	min	ma				
		140		C: 0,12	Ti : 0,05			
				Mn: 1,70	Cr : 0,30			
				Si: 0,60 P: 0,030	Mo : 0,20 Ni : 0,70			
				S: 0,030	Cu: 0,70			
				Nb : 0,05	N: 0,025			
				V:0,12	11.0,020			
			Al* : 0,02			1		
	does not a		are present, the m	nimum aluminium ı	requirement			
		le upon agreement. Not included in						
		ength: Mean value of 3 tests for full nteed average value. The provisions						



(according to regulation EU No 305/2011)

No. AMDI-5/01-CPR-13-1

1) Code of the product type: **1.8959**

2) Type: Sections/Bars S355J0W according EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Essential characteristic				Performano	e	Harmonised technical specification
Tolerances on		Angles	Angles EN10056-2		2	
dimensions and shape	I and H sections			EN 10034		
		Tapered Flange I		EN 10024		
		UPE, UPN		EN 10279		
), HL1000 with $G_{HL}>G_{HLM}$, 0/400, UB1016, HE1000 with $G_{HE}>G_{HEM}$		ASTM A6		
Yield strength	Noi	minal thickness (mm)		Values (MP	a)	
_	>	≤		min	•	
		16		355		
	16	40		345		
Tensile strength	Noi	minal thickness (mm)		Values (MP	a)	
	>	≤	min		max	
	=3	40	470		630	
Elongation	Noi	minal thickness (mm)	Values (%)			
	>	≤	min			
	=3 40		22			
Impact strength		minal thickness (mm)	Values (J)			
	>	≤ 40	min			EN 10025-1:2004
Weldability	Na	minal thickness (mm)		27 at 0℃ Values (%	·	
Weldability		ilinai unickness (iliin) ≤		Values (%)	
	>	<u>=</u> 16	NPD			
	16	40				
Durability		minal thickness (mm)		Values (%	\	
(Chemical composition)	>	<u> </u>	min		nax	
(STEELINGS SETTIFICATION)		40		C: 0,16 Si: 0,50 P: 0,040	S: 0,040 N*: 0,009	
			Mn : 0,50 Cu : 0,25	Cu	: 1,50 : 0,55	
	Pmax cor more thar minimum The N bin	missible to exceed the specified valuatent will be reduced by 0,005%; the n 0,012%. The max. value for nitroge total Al content of 0,020% or if sufficient glements shall be mentioned in a may show a Ni content of max. 0,6	N content of the la en does not apply it cient other N bindir in the inspection does	or each increase o dele analysis, howe f the chemical com ng elements are pro cument.	ever, shall not be position shows a esent.	



(according to regulation EU No 305/2011)

No. AMDI-5/02-CPR-13-1

1) Code of the product type: **1.8965**

2) Type: Sections/Bars S355J2W according EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Date: 01.07.2013

						specification	
Tolerances on		Angles		EN10056-2			
dimensions and shape		I and H sections		EN 10034		=	
	Tapered Flange I			EN 10024			
		UPE, UPN		EN 10279			
		O, HL1000 with G _{HL} >G _{HLM} , 60/400, UB1016, HE1000 with G _{HE} > G _{HEM}		ASTM A6			
Yield strength	Noi	minal thickness (mm)		Values (MPa	1)		
	>	≤ ,		min	•		
		16		355			
	16	40		345			
Tensile strength	Noi	minal thickness (mm)		Values (MPa	1)		
	>	≤	min		max		
	=3	40	470		630	_	
Elongation	Noi	minal thickness (mm)		Values (%)			
	>	≤		min			
	=3 40			22			
Impact strength	Nominal thickness (mm)		Values (J)				
	>	≤	min				
NA		40		27 at -20℃		EN 10025-1:2004	
Weldability		minal thickness (mm)	Values (%)				
	>	≤	NDD				
	40	16		NPD			
Durchility	16	40		Values (0/)			
Durability (Chemical composition)		minal thickness (mm)	min	Values (%)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
(Chemical composition)	>	≤	min		s: 0,035		
		40		C: 0,16 Si: 0,50 P: 0,035	N* : 0,009		
			Mn: 0,50 Cu: 0,25	Cu:	1,50 0,55		
	Pmax cor more than minimum Addition of total ≥ 0,0	ntent will be reduced by 0,005%; the 0,012%. The max. value for nitroge total AI content of 0,020% or if suffic of nitrogen binding elements: the stee 120%, Nb: 0,015 - 0,060%, V: 0,02-0	Cr: 0,40 Cr: 0,80 to exceed the specified values provided that for each increase of 0,001 % N, the l be reduced by 0,005%; the N content of the ladle analysis, however, shall not be %. The max. value for nitrogen does not apply if the chemical composition shows a content of 0,020% or if sufficient other N binding elements are present. en binding elements: the steels shall contain at least one of the following elements: Al b: 0,015 - 0,060%, V: 0,02-0,12%, Ti: 0,02 - 0,10%. If these elements are				
	The steel: 0,15% Zr. Fully kille	ombination, at least one of them shal s may show a Ni content of max. 0,6 d steel containing nitrogen binding el ple min. 0,02% Al)	5%. The steels ma	ay contain max. 0,30	% Mo and max.		

Essential characteristic

Harmonised

technical



(according to regulation EU No 305/2011)

No. AMDI-5/03-CPR-13-1

1) Code of the product type: **1.8967**

2) Type: Sections/Bars S355K2W according EN 10025-5

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Belval and Differdange S.A
Site of Differdange
Rue Emile Mark
L-4503 Differdange (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Jean-François Liesch Site Manager Differdange Christophe Houyoux Quality Manager

Date: 01.07.2013

Essential characteristic				Performan	ce	technical specification
Tolerances on		Angles		EN10056-	2	
dimensions and shape	I and H sections		EN 10034			1
		Tapered Flange I		EN 10024	1	
		UPE, UPN		EN 10279)	
), HL1000 with G _{HL} >G _{HLM} ,				
	HD36	0/400, UB1016, HE1000		ASTM A	5	
		with G _{HE} > G _{HEM}				
Yield strength		minal thickness (mm)		Values (MF	a)	1
	>	≤		min		1
	40	16		355		-
Tongilo otronoth	16	40		345)a\	-
Tensile strength		minal thickness (mm) ≤	min	Values (MF		-
	>	40	470		630	+
Elongation			470	Values (%		1
Liongation	>	Nominal thickness (mm) > ≤		min	9)	-
	=3	40	22			-
Impact strength	Nominal thickness (mm)		Values (J))	†
	>	≤	min			
		40	40 at -20℃			EN 40005 4:0004
Weldability	Nor	Nominal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤				
		16	NPD			
	16	40				
Durability	Nor	minal thickness (mm)		Values (%	5)	
(Chemical composition)	>	≤	min		max	
		40		C: 0,16	S: 0,035	
				Si: 0,50 P: 0,035	N*: 0,009	
			Mn : 0,50		ı : 1,50	
			Cu: 0,25		: 0,55	
			Cr : 0,40		: 0.80	
	* It is pern Pmax con more than minimum					
	minimum total AI content of 0,020% or if sufficient other N binding elements are present. Addition of nitrogen binding elements: the steels shall contain at least one of the following elements: AI total ≥ 0,020%, Nb: 0,015 - 0,060%, V: 0,02-0,12%, Ti: 0,02 - 0,10%. If these elements are used in combination, at least one of them shall be present with the minimum content indicated.					
	The steels 0,15% Zr. Fully killed]				
		ple min. 0,02% AI)				

Harmonised