

(according to the Regulation (UE) No. 305/2011)

Nª MG-2/01-CPR-2016-10-01

1) Identification code: 1.0038

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For their use in welded, screwed and riveted structures

MEGASIDER ZARAGOZA, S.A.U.

PTR José López Soriano Avda. de José López Soriano, 100

50720 La Cartuja Baja - Zaragoza (Spain)

T+34 976 466 171

www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné

Essent	tial characteristics		Performance			Harmonised technica specification
olerances on dimensions	A	ngles		EN 10056-	2	Specification
and shape		UPN		EN 10279		
		bars / T	1	EN 10058 / EN		
ield strength	Nominal thickness (mm)			Values (Mp		
	>	≤	Min.			
		16		235		
	16	40		225		
	40	63				
	63	80				
	80	100		215		
	100	150		195		
ensile strength		nickness (mm)		Values (Mp	a)	
		≤	Min.		Max.	
	≥3	100	360		510	
	>100	150	350		500	
longation	Nominal th	nickness (mm)	Values (%)			
· ·		≤	Min.			
	≥3	40		26		
	>40	63		25		
	>63	100		24		
	>100	150	22			
mpact strength	Nominal th	ickness (mm)		Values (J)		EN 10025-1:2004
	>	≤	Min.			
		150	27 J at 20°C			
Weldability	Nominal thickness (mm)		Values (%)			
	>	≤	Max.			
		30		0.35		
	30	40		0.35		
	40	150		0.38		
Durability	Nominal th	nickness (mm)		Values (%)	
Chemical composition)	>	≤		Max.		
		150	C*: 0.17	Cu: (
			Mn: 1.40	S: 0.	040	
			P: 0.040	N**	: 0.012	
	*For nominal thick	kness >40 mm C: 0 nesss >100 mm C: a		 		



(according to the Regulation UE Na 305/2011)

Nª MG-2/02-CPR-2016-10-01

1) Identification code: 1.0114

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures
MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
Avda. de José López Soriano, 100
50720 La Cartuja Baja - Zaragoza (Spain)
T +34 976 466 171
www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, the notified body No. 0099, carried out the initial inspection of the manufacturing plant, the factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné CFO

3)

olerances on dimensions and shape		igles	+			specification
			EN 10056-2			
	U.	UPN	EN 10279			
	,	pars / T			/ EN 10055	
rield strength No	Nominal thickness (mm)				s (Mpa)	
	>	≤	Min.			
		16	235			
	16	40		2	225	
	40	63				
	63	80				
	80	100		2	215	
	100	150		1	195	
ensile Strength	Nominal th	ickness (mm)		Value	s (Mpa)	
		≤	Min.		Max.	
	≥3	100	360		510	
	>100	150	350		500	
longation	Nominal th	ickness (mm)		Valu	ies (%)	
		≤	Min.			
	≥3	40			26	
	>40	63			25	
	>63	100			24	
	>100	150			22	
mpact strength	Nominal th	ickness (mm)	Values (J)			EN 10025-1:2004
	>	≤	Min.			
		150	27 J at 0ºC			
Weldability	Nominal thickness (mm)		Values (%)			
	>	≤	Max.			
		30		0	.35	
	30	40		0	.35	
	40	150		0	.38	
Durability	Nominal th	ickness (mm)		Valu	ies (%)	
Chemical composition)	>	≤		Max.		
		150	C*: 0.17		Cu: 0.55	
			Mn: 1.40		S: 0.035	
			P: 0.035		N**: 0.012	
*F0	or nominal thick	ness >100 mm C: a	s agreed			



(according to the Regulation UE Na 305/2011)

Nª MG-2/03-CPR-2016-10-01

1) Identification code: 1.0117 2)

Type: Sections/Bars S235J2 according EN 10025-2

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed by, in the name of the manufacturer:

Jordi Torné

3)

Essent	Essential characteristics			Performance		
Tolerances on dimensions	A	ngles		EN 10056-2		
and shape	U	UPN		EN 10279		
	Flat	bars / T	EN	EN 10058 / EN 10055		
ield strength	Nominal thicknes	s (mm)		Values (Mpa)		
	>	≤	Min.			
		16	235			
	16	40		225		
	40	63				
	63	80				
	80	100		215		
	100	150		195		
Tensile Strength	Nominal th	nickness (mm)		Values (Mpa)		
		≤	Min.		Max.	
	≥3	100	360		510	
	>100	150	350		500	
longation	Nominal th	nickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		24		
	>40	63		23		
	>63	100		22		
	>100	150		22		
mpact strength	Nominal th	nickness (mm)	Values (J)			EN 10025-1:2004
	>	≤	Min.			
		150	27 J at -20ºC			
Weldability	Nominal thickness (mm)		Values (%)			
	>	≤	Max.			
		30		0.35		
	30	40		0.35		
	40	150		0.38		
Durability	Nominal th	nickness (mm)		Values (%)		
Chemical composition)	>	≤		Max.		
		150	C*: 0.17	Cu: 0.55		
			Mn: 1.40	S: 0.030		
			P: 0.030			
	*For nominal thic	kness >100 mm C:	as agreed	l .		



(according to the Regulation UE Na 305/2011)

Nª MG-2/04-CPR-2016-10-01

1) Identification code: 1.0044

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné

3)

Essent	ial characteristics			Performance		
olerances on dimensions	A	ngles		EN 10056-2		specification
nd shape		UPN		EN 10279		
		bars / T		EN 10058 / EN 1005	55	
ield strength	Nominal thickness (mm)			Values (Mpa)	-	
· ·	>	≤	Min.			
		16		275		
	16	40		265		
	40	63		255		
	63	80		245		
	80	100		235		
	100	150		225		
ensile Strength	Nominal th	nickness (mm)		Values (Mpa)		
		≤	Min.		Max.	
	≥3	100	410		560	
	>100	150	400		540	
longation	Nominal th	nickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		23		
	>40	63		22		
	>63	100	21			
	>100	150		19		
mpact strength	Nominal thickness (mm)			Values (J)		EN 10025-1:2004
	>	≤	Min.			
		150	27 J at 20°C			
Veldability	Nominal thickness (mm)			Values (%)		
	>	≤	Max.			
		30		0.4		
	30	40		0.4		
	40	150		0.42		
Ourability	Nominal th	nickness (mm)		Values (%)		
Chemical composition)	>	≤		Max.		
		150	C*: 0.21	Cu: 0.55		
	ļ	1	Mn: 1.50	S: 0.040		
			P: 0.040	N**: 0.0	12	
	For nominal thickness >40 mm C: 0.22. For nominal thickness >100 mm C: as agreed					



(according to the Regulation UE Na 305/2011)

Nª MG-2/05-CPR-2016-10-01

1) Identification code: 1.0143

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné

3)

Essen	tial characteristics			Performance		
Tolerances on dimensions	A	ngles		EN 10056-2		
and shape	U	, UPN		EN 10279		
	Flat bars / T		E	N 10058 / EN 10055		
Yield strength	Nominal thickness	s (mm)		Values (Mpa)		
	>	≤	Min.			
		16		275		
	16	40		265		
	40	63		255		
	63	80		245		
	80	100		235		
	100	150		225		
Tensile Strength	Nominal t	nickness (mm)		Values (Mpa)		
		≤	Min.		Max.	
	≥3	100	410		560	
	>100	150	400		540	
Elongation	Nominal tl	nickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		23		
	>40	63		22		
	>63	100	21			
	>100	150	19			
Impact strength	Nominal thickness (mm)			Values (J)		EN 10025-1:2004
	>	≤	Min.			
		150	27 J at 0ºC			
Weldability	Nominal thickness (mm)		Values (%)			
	>	≤	Max.			
		30		0.4		
	30	40		0.4		
	40	150		0.42		
Durability	Nominal tl	nickness (mm)		Values (%)		
(Chemical composition)	>	≤		Max.		
		150	C*: 0.18	Cu: 0.55		
			Mn: 1.50	S: 0.035		
			P: 0.035	N**: 0.012		
	*For nominal thic	kness >100 mm C:	as agreed			
	**The maximum	value required for	N does not apply when the chemi		ninimum total AL	



(according to the Regulation UE Na 305/2011)

Nª MG-2/06-CPR-2016-10-01

1) Identification code: 1.0145

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures
MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
Avda. de José López Soriano, 100
50720 La Cartuja Baja - Zaragoza (Spain)
T+34 976 466 171
www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné CFO

3)

Essent	ial characteristics		Performance			Harmonised technica specification
Tolerances on dimensions	A	ngles		EN 10056-2		opeceac.on
and shape		UPN		EN 10279		
	Flat bars / T		E	EN 10058 / EN 10055		
Yield strength	Nominal thicknes			Values (Mpa)	-	
· ·	>	≤	Min.			
		16	275			
	16	40		265		
	40	63		255		
	63	80		245		
	80	100		235		
	100	150		225		
Tensile Strength	Nominal th	ickness (mm)		Values (Mpa)		
		≤	Min.		Max.	
	≥3	100	410		560	
	>100	150	400		540	
Elongation	Nominal th	nickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		21		
	>40	63		20		
	>63	100	19			
	>100	150	19			
mpact strength	Nominal th	nickness (mm)	Values (J)		EN 10025-1:2004	
	>	≤	Min.			
		150	27 J at -20ºC			
Weldability	Nominal th	nickness (mm)		Values (%)		
	>	≤	Max.			
		30		0.4		
	30	40		0.4		
	40	150		0.42		
Durability	Nominal th	ickness (mm)		Values (%)		
(Chemical composition)	>	≤		Max.		
		150	C*: 0.18	Cu: 0.55		
	ļ		Mn: 1.50	S: 0.030		
			P: 0.030			
	*For nominal thickness >100 mm C: as agreed					



(according to the Regulation UE Na 305/2011)

Nª MG-2/07-CPR-2016-10-01

1) Identification code: 1.0045

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné CEO

3)

Tolerances on dimensions and shape	Aı	ngles				
and shape		igics	EN 10056-2			
	U,	UPN		EN 10279		
	Flat	bars / T	EN 10058 / EN 10055			
Yield strength N	Iominal thicknes	s (mm)		Values (Mp	oa)	
	>	≤		Min.		
		16		355		
	16	40		345		
	40	63		335		
	63	80		325		
	80	100		315		
	100	150		295		
Tensile Strength	Nominal th	ickness (mm)		Values (Mp	pa)	
		≤	Min.		Max.	
	≥3	100	470		630	
	>100	150	450		600	
Elongation	Nominal th	ickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		22		
	>40	63		21		
	>63	100	20			
	>100	150				
mpact strength	Nominal th	ickness (mm)	Values (J)		EN 10025-1:2004	
	>	≤	Min.			
		150	27 J at 20ºC			
Weldability	Nominal th	ickness (mm)	Values (%)			
	>	≤	Max.			
		30		0.45		
	30	40		0.47		
	40	150	0.47			
Durability	Nominal th	ickness (mm)		Values (%	6)	
(Chemical composition)	>	≤		Max.		
		150	C*: 0.24		0.55	
<u> </u>		1	Mn: 1.60	S: 0.	.040	
			Si: 0.55 P: 0.040	N**	: 0.012	
*	For nominal thick	ness >100 mm C:	as agreed	•		



(according to the Regulation UE Na 305/2011)

Nª MG-2/08-CPR-2016-10-01

1) Identification code: 1.0553 2)

Type: Sections/Bars S355J0 according EN 10025-2

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné

3)

Essent	Essential characteristics		Performance			Harmonised technica specification
Folerances on dimensions	l A	ngles		EN 10056-2		эрсенией
and shape		UPN		EN 10279		
		bars / T		EN 10058 / EN 10055		
rield strength	Nominal thicknes			Values (Mpa)		
	>	≤ ≤	Min.			
		16		355		
	16	40		345		
	40	63		335		
	63	80		325		
	80	100		315		
	100	150		295		
Tensile Strength	Nominal th	ickness (mm)		Values (Mpa)		
		≤	Min.		Max.	
	≥3	100	470		630	
	>100	150	450		600	
Elongation	Nominal th	ickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		22		
	>40	63		21		
	>63	100		20		
	>100	150				
mpact strength	Nominal thickness (mm)			Values (J)		EN 10025-1:2004
	>	≤	Min.			
		150	27 J at 0ºC			
Weldability	Nominal thickness (mm)			Values (%)		
	>	≤	Max.			
		30		0.45		
	30	40		0.47		
	40	150		0.47		
Durability	Nominal th	ickness (mm)		Values (%)		
Chemical composition)	>	≤		Max.		
		150	C*: 0.20	Cu: 0.55		
		1	Mn: 1.60	S: 0.035		
			Si: 0.55 P: 0.035	N**: 0.012		
	*For nominal thickness > 30 mm C: 0.22. For nominal thickness >100 mm C: as agreed					



(according to the Regulation UE Na 305/2011)

Nª MG-2/09-CPR-2016-10-01

1) Identification code: 1.0577

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

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné

3)

Essen	tial characteristics			Performance		Harmonised technical specification
Tolerances on dimensions	A	ngles		EN 10056-2		
and shape	U	, UPN		EN 10279		
	Flat	bars / T		EN 10058 / EN 10055		
Yield strength	Nominal thickness	s (mm)		Values (Mpa)		
	>	≤	Min.			
		16	355			
	16	40		345		
	40	63		335		
	63	80		325		
	80	100		315		
	100	150		295		
Tensile Strength	Nominal t	hickness (mm)		Values (Mpa)		
		≤	Min.		Max.	
	≥3	100	470		630	
	>100	150	450		600	
Elongation	Nominal t	hickness (mm)	Values (%)			
		≤	Min.			
	≥3	40		22		
	>40	63		21		
	>63	100		20		
	>100	150	18			
Impact strength	Nominal t	hickness (mm)	Values (J)		EN 10025-1:2004	
	>	≤	Min.			
		150	27 J at -20°C			
Weldability	Nominal thickness (mm)		Values (%)			
	>	≤	Max.			
		30		0.45		
	30	40		0.47		
	40	150		0.47		
Durability	Nominal t	hickness (mm)		Values (%)		
(Chemical composition)	>	≤		Max.		
		150	C*: 0.20	Cu: 0.55		-
			Mn: 1.60 P: 0.030	S: 0.030 Si: 0.55		-
			0.22. For nominal thickness >100	mm C: as agreed		
	Fully killed steel v 0.02% Al).	vith the presence o	of N-bonding elements in enough	amounts for the bond	ding of existing N (e.g. min	



(according to the Regulation UE Na 305/2011)

Nª MG-2/10-CPR-2016-10-01

1) Identification code: 1.0596

Type: Sections/Bars S355K2 according EN 10025-2

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures MEGASIDER ZARAGOZA, S.A.U. PTR José López Soriano Avda. de José López Soriano, 100 50720 La Cartuja Baja - Zaragoza (Spain) T+34 976 466 171 www.megasa.com

System(s) to assess and check the steadiness of the construction product performance: 2+ System

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné

2)

3)

Caract	erísticas esenciale	5		Performance		
Tolerances on dimensions	Δ.	ingles		FN 10	0056-2	specification
and shape		, UPN			10279	
		bars / T			/ EN 10055	
Yield strength	Nominal thicknes				s (Mpa)	
. .	>	≤			lin.	
		16	355			
	16	40	345			
	40	63			335	
	63	80		3	225	
	80	100			15	
	100	150			195	
Tensile Strength	Nominal t	hickness (mm)		Value	s (Mpa)	
· ·		≤	Min.		Max.	
	≥3	100	470		630	
	>100	150	450		600	
Elongation	Nominal t	hickness (mm)		Valu	es (%)	
		≤	Min.			
	≥3	40		2	20	
	>40	63			19	
	>63	100		:	18	
	>100	150	18			
Impact strength	Nominal t	hickness (mm)	Values (J)			EN 10025-1:2004
	>	≤	Min.			
		150	40 J at -20ºC			
Weldability	Nominal t	hickness (mm)	Values (%)			
	>	≤	Max.			
		30		0.	.45	
	30	40		0.	.47	
	40	150		0.	.47	
Durability	Nominal t	hickness (mm)		Valu	es (%)	
(Chemical composition)	>	≤		Max.		
		150	C*: 0.20		Cu: 0.55	
			Mn: 1.60		S: 0.030	
			P: 0.030		Si: 0.55	
	*For nominal thic	kness > 30 mm C: 0	.22. For nominal thickness >1	100 mm C: as	s agreed	
	Fully killed steel v 0.02% Al).	vith the presence of	f N-bonding elements in enou	ugh amounts	for the bonding of existing N (e.g. n	nin



(according to the Regulation UE Nº 305/2011)

Nº MG-4/01-CPR-2016-10-01

Identification code: 1.8827
 Type: Sections/Bars S460M according EN 10025-4

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures

3) MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
Avda. de José López Soriano, 100
50720 La Cartuja Baja - Zaragoza (Spain)
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www.megasa.com

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné CEO

Essen	ntial characteristics		ı	Performance	Harmonised technic specification
Tolerances on dimensions	Ang	les		EN 10056-2	
and shape	U, l			EN 10279	
	Flat ba	ars / T	EN 1	0058 / EN 10055	
Yield strength	Nominal thickness	(mm)	\	/alues (Mpa)	
	>	≤		Min.	
		16		460	
	16	40		440	
	40	63		430	
	63	80		410	
	80	100		400	
	100	150		385	
Tensile Strength	Nominal thic	ckness (mm)	\	/alues (Mpa)	
	>	≤	Min.	Max.	
		40	540	720	
	40	63	530	710	
	63	80	510	690	
	80	100	500	680	
	100	150	490	660	
Elongation	Nominal thic	ckness (mm)		Values (%)	
				Min.	
	≥3	≤150		17	
Impact strength	Nominal thic	ckness (mm)		Values (J)	
	>	≤		Min.	
-		150	4	40 J at -20ºC	EN 10025-1:2004
Weldability	Nominal thic	ckness (mm)		EN 10025-1.2004	
	>	≤			
		16			
	16	40		0.46	
	40	63		0.47	
	63	150		0.48	
Durability	Nominal thic	ckness (mm)		Values (%)	
(Chemical composition)					
	>	≤		Max.	
		150	C*: 0.16	Cu: 0.55	_
		100	Mn: 1.70	S**: 0.030	╡
			P: 0.035	Si: 0,60	╡
			Nb: 0.05	V:0.12 Mo: 0.20	
			Ti: 0.05 Cr: 0.30	Ni: 0.80 N: 0.025	
			11. 0.03	141. 0.00	
			**	*Altotal : 0.02	
	*For long products,	a maximum C co	ontent of 0.18% is applied.		1
		cations, when red	quiring the offer and sending the ord	er, a maximum S content of 0.010% can be	
	agreed upon.	ugh N. bondir	laments the minimum total Al	int door not apply	
	ir there are enor	ugn iv-bonaing e	lements, the minimum total Al amou	int does not apply.	1



(according to the Regulation UE Na 305/2011)

Nª MG-5/01-CPR-2016-10-01

1) Identification code: 1.8959
2) Type: Sections/Bars S355JOW according EN 10025-5

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures

3) MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
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 $\label{eq:System} \mbox{System(s) to assess and check the steadiness of the construction product performance:} \\ \mbox{2+ System}$

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné CEO

Caracte	erísticas esenciales		Perfor	mance	Harmonised technical specification
Tolerances on dimensions	А	ngles	EN 10	0056-2	.,
and shape		, UPN	EN 10		
		bars / T	EN 10058 /		
Yield strength		nickness (mm)	Values		1
ŭ	>		Mi		1
		16	35	1	
	16	40	34		
Tensile Strength	Nominal tl	nickness (mm)	Values	(Mpa)	
. .	≥	≤	Min.	Max.	
	3	40	470	630	
Elongation	Nominal t	nickness (mm)	Value	es (%)	
· ·	≥		Mi	in.	1
	3	40		2	
Impact strength	_	nickness (mm)	Value		1
	>	≤		Min.	
		40	27 J a	1	
Weldability	Nominal tl	nickness (mm)	Value	es (%)	
•	>			. ,	1
		16	NF	PD	
	16	40	1		
Durability	Nominal tl	nickness (mm)	Value	es (%)	FN 40035 4 300
(Chemical composition)	>	≤	Min.	Max.	EN 10025-1:2004
				C: 0.16 S: 0.040	
				Si: 0.50 N*:0.009	
		40		P: 0.040	
		40	Mn: 0.50	Mn: 1.50	
			Cu: 0.25	Cu: 0.55	
			Cr: 0.40	Cr: 0.80	
	reduced in 0.005% does not apply wh amount of other I	6. However, N-conter	l whenever, for each N-increase of 0.001 It in cast analysis cannot exceed 0.012% position has a minimum total AL conten -bonding elements.	. The maximum value required for N	
	Steel can contain	a maximum of 0.65%	Ni. Steel can contain a maximum of 0.30	0% Mo and 0.15% Zr.	-



(according to the Regulation UE Na 305/2011)

Nª MG-5/02-CPR-2016-10-01

1) Identification code: 1.8965
2) Type: Sections/Bars S355J2W according to EN 10025-5

Expected use(s) of the construction product, in accordance with the applicable harmonised technical specification, as established by the manufacturer:

For its use in welded, screwed and riveted structures
MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
Avda. de José López Soriano, 100
50720 La Cartuja Baja - Zaragoza (Spain)
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 $\label{eq:System} \mbox{System(s) to assess and check the steadiness of the construction product performance:} \\ \mbox{2+ System}$

AENOR, notified body No. 0099 AENOR, carried out the initial inspection of the manufacturing plant, factory's production control and continuous monitoring, verification and assessment of the factory's production control, and issued the certificate of conformity.

The performance of the product identified in points 1 and 2 meet the performance declared in the chart.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed by, in the name of the manufacturer:

Jordi Torné CE∩

3)

Ang U, U Flat ba Nominal thic > 16 Nominal thic	PN ars / T ckness (mm) ≤ 16	Mi	0279 / EN 10055	
Flat ba Nominal thic > 16	ers / T :kness (mm) ≤ 16	EN 10058 / Values Mi	/ EN 10055	
Nominal thic	kness (mm) < 16	Values Mi		
> 16	≤ 16	Mi	(Mpa)	
16	16		Values (Mpa)	
			Min.	
		355		
Nominal thic	40	345		
Tensile Strength Nominal thickness (mm)		Values (Mpa)		
≥	≤	Min.	Max.	
3	40	470	630	
ation Nominal thickness (mm)		Values (%)		
≥	≤	Min.		
3	40	22		
Nominal thickness (mm)		Values (J)		
>	≤	Min.		
	40	27 J at -20℃		
Nominal thickness (mm)		Values (%)		
>	≤	NPD		
	16			
16	40			
Nominal thickness (mm)		Values (%)		EN 10025 1.2004
>	≤	Min.	Max.	EN 10025-1:2004
	40		C: 0.16 S: 0.035	
			Si: 0.50 N*:0.009	
			P: 0.035	
		Mn: 0.50	Mn: 1.50	
		Cu: 0.25	Cu: 0.55	
		Cr: 0.40	Cr: 0.80	
duced in 0.005%. ses not apply when nount of other N-I Idition of N-bondi 260%, V: 0.02-0.12 inimum amount ir eel can contain a s	However, N-content in the chemical componding elements. ing elements: steel co 2%, Ti: 0.02-0.10%. S idicated.	in cast analysis cannot exceed 0.012% osition has a minimum total AL contents on contain at least one of the following hould these elements be combined, at the following hould these elements be combined.	. The maximum value required for N it of 0.020% or when there is enough elements: Total Al 0.020%. Nb: 0.015-least one of them must exist in the	
iii e	≥ 3 Nominal thic > Nominal thic > 16 Nominal thic > 16 Nominal thic > duced in 0.005%. es not apply whenount of other N-I dition of N-bondi 160%, V: 0.02-0.12 nimum amount in etel can contain a	≥ ≤ 3 40 Nominal thickness (mm) > ≤ 40 Nominal thickness (mm) >	≥ ≤ MM 3 40 22 Nominal thickness (mm) Value > ≤ MM 40 27 J at Nominal thickness (mm) Value > ≤ MM 16 40 27 J at Nominal thickness (mm) Value >	Nominal thickness (mm) Values (J)