



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

Nº 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

- 3) 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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	235	
	16	40	225	
	40	63		
	63	80		
	80	100	215	
	100	150	195	
Tensile strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	360	510
	>100	150	350	500
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	26	
	>40	63	25	
	>63	100	24	
	>100	150	22	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	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 (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.17	Cu: 0.55
			Mn: 1.40	S: 0.040
			P: 0.040	N**: 0.012
	*For nominal thickness >40 mm C: 0.20. For nominal thicknesses >100 mm C: as agreed			
	**The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements.			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 3) 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
CEO

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	235	
	16	40	225	
	40	63		
	63	80		
	80	100	215	
	100	195		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	360	510
	>100	150	350	500
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	26	
	>40	63	25	
	>63	100	24	
	>100	150	22	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		150	27 J at 0°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		30	0.35	
	30	40	0.35	
	40	150	0.38	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.17	Cu: 0.55
			Mn: 1.40	S: 0.035
			P: 0.035	N**: 0.012
	*For nominal thickness >100 mm C: as agreed			
	**The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements.			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 3) 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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	235	
	16	40	225	
	40	63		
	63	80		
	80	100	215	
	100	195		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	360	510
	>100	150	350	500
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	24	
	>40	63	23	
	>63	100	22	
	>100	150	22	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	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 (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.17	Cu: 0.55
			Mn: 1.40	S: 0.030
			P: 0.030	
	*For nominal thickness >100 mm C: as agreed			
	Fully killed steel with the presence of N-bonding elements in enough amounts for the bonding of existing N (e.g. min 0.02% Al).			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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:

- 3) 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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
	100	225		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	410	560
	>100	150	400	540
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	23	
	>40	63	22	
	>63	100	21	
	>100	150	19	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		150	27 J at 20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		30	0.4	
	30	40	0.4	
	40	150	0.42	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.21	Cu: 0.55
			Mn: 1.50	S: 0.040
			P: 0.040	N**: 0.012
	*For nominal thickness >40 mm C: 0.22. For nominal thickness >100 mm C: as agreed			
	**The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements.			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 3) MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
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T +34 976 466 171
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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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
	100	225		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	410	560
	>100	150	400	540
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	23	
	>40	63	22	
	>63	100	21	
	>100	150	19	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		150	27 J at 0°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		30	0.4	
	30	40	0.4	
	40	150	0.42	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.18	Cu: 0.55
			Mn: 1.50	S: 0.035
			P: 0.035	N**: 0.012
	*For nominal thickness >100 mm C: as agreed			
	**The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements.			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 3) 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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
	100	150	225	
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	410	560
	>100	150	400	540
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	21	
	>40	63	20	
	>63	100	19	
	>100	150	19	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		150	27 J at -20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		30	0.4	
	30	40	0.4	
	40	150	0.42	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.18	Cu: 0.55
			Mn: 1.50	S: 0.030
			P: 0.030	
	*For nominal thickness >100 mm C: as agreed			
	Fully killed steel with the presence of N-bonding elements in enough amounts for the bonding of existing N (e.g. min 0.02% Al).			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 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

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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
	100	295		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	470	630
	>100	150	450	600
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	22	
	>40	63	21	
	>63	100	20	
	>100	150	18	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	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 (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.24	Cu: 0.55
			Mn: 1.60	S: 0.040
			Si: 0.55	N**: 0.012
			P: 0.040	
	*For nominal thickness >100 mm C: as agreed			
**The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements.				

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 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

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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
	100	295		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	470	630
	>100	150	450	600
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	22	
	>40	63	21	
	>63	100	20	
	>100	150	18	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		150	27 J at 0°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		30	0.45	
	30	40	0.47	
	40	150	0.47	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.20	Cu: 0.55
			Mn: 1.60	S: 0.035
			Si: 0.55	N**: 0.012
			P: 0.035	
	*For nominal thickness > 30 mm C: 0.22. For nominal thickness >100 mm C: as agreed			
	**The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements.			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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

- 3) MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
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50720 La Cartuja Baja - Zaragoza (Spain)
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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

Date: 01.03.2017

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

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° MG-2/10-CPR-2016-10-01

- 1) Identification code: **1.0596**
2) 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

- 3) MEGASIDER ZARAGOZA, S.A.U.
PTR José López Soriano
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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

Date: 01.03.2017

Características esenciales		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
100	150	295		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
		≤	Min.	Max.
	≥3	100	470	630
	>100	150	450	600
Elongation	Nominal thickness (mm)		Values (%)	
		≤	Min.	
	≥3	40	20	
	>40	63	19	
	>63	100	18	
	>100	150	18	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		150	40 J at -20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		30	0.45	
	30	40	0.47	
	40	150	0.47	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Max.	
		150	C*: 0.20	Cu: 0.55
			Mn: 1.60	S: 0.030
			P: 0.030	Si: 0.55
	*For nominal thickness > 30 mm C: 0.22. For nominal thickness >100 mm C: as agreed			
	Fully killed steel with the presence of N-bonding elements in enough amounts for the bonding of existing N (e.g. min 0.02% Al).			

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° MG-4/01-CPR-2016-10-01

- 1) Identification code: **1.8827**
2) 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
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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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Angles		EN 10056-2		
	U, UPN		EN 10279		
	Flat bars / T		EN 10058 / EN 10055		
Yield strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	Min.		
		16	460		
	16	40	440		
	40	63	430		
	63	80	410		
	80	100	400		
	100	150	385		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	Min.	Max.	
		40	540	720	
	40	63	530	710	
	63	80	510	690	
	80	100	500	680	
	100	150	490	660	
Elongation	Nominal thickness (mm)		Values (%)		
			Min.		
	≥3	≤150	17		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	Min.		
		150	40 J at -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	Max.		
		16	0.45		
	16	40	0.46		
	40	63	0.47		
	63	150	0.48		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	Max.		
		150	C*: 0.16	Cu: 0.55	
			Mn: 1.70	S**: 0.030	
			P: 0.035	Si: 0.60	Mo: 0.20
			Nb: 0.05	V: 0.12	N: 0.025
			Ti: 0.05	Ni: 0.80	
			Cr: 0.30		
			Min.		
			***Alttotal : 0.02		
*For long products, a maximum C content of 0.18% is applied.					
**For railway applications, when requiring the offer and sending the order, a maximum S content of 0.010% can be agreed upon.					
***If there are enough N-bonding elements, the minimum total Al amount does not apply.					

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° MG-5/01-CPR-2016-10-01

- 1) Identification code: **1.8959**
2) Type: **Sections/Bars S355J0W according EN 10025-5**

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

- 3) 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

Date: 01.03.2017

Características esenciales		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	U, UPN		EN 10279	
	Flat bars / T		EN 10058 / EN 10055	
Yield strength	Nominal thickness (mm)		Values (Mpa)	
	>	≤	Min.	
		16	355	
		40	345	
Tensile Strength	Nominal thickness (mm)		Values (Mpa)	
	≥	≤	Min.	Max.
		3	470	630
		40		
Elongation	Nominal thickness (mm)		Values (%)	
	≥	≤	Min.	
		3	22	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	Min.	
		40	27 J at 0°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	NPD	
		16		
		40		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	Min.	Max.
		40	C: 0.16 S: 0.040	
			Si: 0.50 N*:0.009	
			P: 0.040	
			Mn: 0.50	Mn: 1.50
			Cu: 0.25	Cu: 0.55
		Cr: 0.40	Cr: 0.80	
* The specified values can be exceeded whenever, for each N-increase of 0.001%, the maximum P content is reduced in 0.005%. However, N-content in cast analysis cannot exceed 0.012%. The maximum value required for N does not apply when the chemical composition has a minimum total AL content of 0.020% or when there is enough amount of other N-bonding elements. The control document shall mention N-bonding elements.				
Steel can contain a maximum of 0.65% Ni. Steel can contain a maximum of 0.30% Mo and 0.15% Zr.				

EN 10025-1:2004



Declaration of Performance
(according to the Regulation UE N° 305/2011)

N° 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:

- 3) For its use in welded, screwed and riveted structures
MEGASIDER ZARAGOZA, S.A.U.
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50720 La Cartuja Baja - Zaragoza (Spain)
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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

Date: 01.03.2017

Essential characteristics		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Angles		EN 10056-2		
	U, UPN		EN 10279		
	Flat bars / T		EN 10058 / EN 10055		
Yield strength	Nominal thickness (mm)		Values (Mpa)		
	>	≤	Min.		
		16	355		
		40	345		
Tensile Strength	Nominal thickness (mm)		Values (Mpa)		
	≥	≤	Min.	Max.	
		3	470	630	
		40			
Elongation	Nominal thickness (mm)		Values (%)		
	≥	≤	Min.		
		3	22		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	Min.		
		40	27 J at -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	NPD		
		16			
		40			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	Min.	Max.	
		40		C: 0.16 S: 0.035 Si: 0.50 N*:0.009 P: 0.035	
			Mn: 0.50 Cu: 0.25 Cr: 0.40	Mn: 1.50 Cu: 0.55 Cr: 0.80	
	* The specified values can be exceeded whenever, for each N-increase of 0.001%, the maximum P content is reduced in 0.005%. However, N-content in cast analysis cannot exceed 0.012%. The maximum value required for N does not apply when the chemical composition has a minimum total Al content of 0.020% or when there is enough amount of other N-bonding elements.				
	Addition of N-bonding elements: steel can contain at least one of the following elements: Total Al 0.020%. Nb: 0.015-0.060%, V: 0.02-0.12%, Ti: 0.02-0.10%. Should these elements be combined, at least one of them must exist in the minimum amount indicated.				
	Steel can contain a maximum of 0.65% Ni. Steel can contain a maximum of 0.30% Mo and 0.15% Zr.				
	Fully killed steel with the presence of N-bonding elements in enough amounts for the bonding of existing N (e.g. min 0.02% Al).				
	EN 10025-1:2004				