



**Doc No. 7SteelUKDOP-002**

Hot rolled structural steel products  
Bars & Section S235J0 / 1.0114 according to EN 10025-2: 2019

Intended use:  
**To be used in fabricated, bolted and riveted structures.**

Manufacturer:  
**7Steel Manufacturing (UK) Ltd**  
Building 58, Castle Works  
East Moors Road, Cardiff  
CF24 5NN  
United Kingdom  
Tel: 029 2035 1800  
Website: 7-steeluk.com

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

**System 2+**

Scope as detailed in Certificate of Conformity of

Factory Production Control No. **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No. 1359, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer:**

**Marc Griffiths** Date: 10/09/2025  
Quality Manager, 7Steel Manufacturing UK, Cardiff.

| Essential Characteristics                 | Performance            |                          |                     | Harmonised technical specification |
|-------------------------------------------|------------------------|--------------------------|---------------------|------------------------------------|
| <i>Dimensional and shape tolerances</i>   | EN 10056-1 & 2         | Equal and Unequal Angles |                     | EN 10025-2:2019                    |
|                                           | EN 10058               | Flats                    |                     |                                    |
|                                           | DIN 59200              | Wide Flats               |                     |                                    |
|                                           | EN 10060               | Round Bars               |                     |                                    |
|                                           | EN 10279               | Channels                 |                     |                                    |
| <i>Elongation (%)</i>                     | Nominal Thickness (mm) | Elongation (%)           |                     |                                    |
|                                           | ≤40                    | 26                       |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Tensile Strength (MPa)</i>             | Nominal Thickness (mm) | Tensile Strength (MPa)   |                     |                                    |
|                                           | ≤100                   | 360 to 510               |                     |                                    |
| <i>Yield Strength (MPa)</i>               | Nominal Thickness (mm) | Yield Strength (MPa)     |                     |                                    |
|                                           | ≤16                    | 235                      |                     |                                    |
|                                           | >16≤40                 | 225                      |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Impact Strength (J)</i>                | Nominal Thickness (mm) | Temperature (°C)         | Impact Strength (J) |                                    |
|                                           | <150                   | 0                        | 27                  |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Weldability (Chemical composition)</i> | Nominal Thickness (mm) | CEV% Max                 |                     |                                    |
|                                           | <30                    | 0.35                     |                     |                                    |
|                                           | >30≤40                 | 0.35                     |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Durability (Chemical composition)</i>  | Nominal Thickness (mm) | Values Max (%)           |                     |                                    |
|                                           | ≤16                    | C                        | 0.19                |                                    |
|                                           |                        | Si                       | —                   |                                    |
|                                           |                        | Mn                       | 1.50                |                                    |
|                                           |                        | P                        | 0.040               |                                    |
|                                           |                        | S                        | 0.040               |                                    |
|                                           |                        | N                        | 0.014               |                                    |
|                                           |                        | Cu                       | 0.60                |                                    |
|                                           | >16≤40                 | C                        | 0.19                |                                    |
|                                           |                        | Si                       | —                   |                                    |
|                                           |                        | Mn                       | 1.50                |                                    |
|                                           |                        | P                        | 0.040               |                                    |
|                                           |                        | S                        | 0.040               |                                    |
|                                           |                        | N                        | 0.014               |                                    |
|                                           |                        | Cu                       | 0.60                |                                    |



EN 10025-1 – 2004

**Bar and Section S235J0 / 1.0114**

Hot rolled structural steel products

Intended Use:  
**To be used in fabricated, bolted and riveted structures.**

Elongation:  
Tensile Strength:  
Yield Strength:  
Impact Strength:  
Weldability:  
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

**UK Conformity Assessment Body:**

LRQA Verification Ltd  
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES  
Notified body No. 0038  
Tel:+44 (0)121 817 4000  
Website: www.lrqa.com  
Website: www.lr.org



**Doc No. 7SteelUKDOP-002**

Hot rolled structural steel products  
Bars & Section S355J2 / 1.0577 according to EN 10025-2: 2019

Intended use:  
**To be used in fabricated, bolted and riveted structures.**

Manufacturer:  
**7Steel Manufacturing (UK) Ltd**  
Building 58, Castle Works  
East Moors Road, Cardiff  
CF24 5NN  
United Kingdom  
Tel: 029 2035 1800  
Website: 7-steeluk.com

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

**System 2+**

Scope as detailed in Certificate of Conformity of

Factory Production Control No. **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No. 1359, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer:**

**Marc Griffiths** Date: 10/09/2025  
Quality Manager, 7Steel Manufacturing UK, Cardiff.

| Essential Characteristics          | Performance            |                          |                     | Harmonised technical specification |
|------------------------------------|------------------------|--------------------------|---------------------|------------------------------------|
| Dimensional and shape tolerances   | EN 10056-1 & 2         | Equal and Unequal Angles |                     | EN 10025-2:2019                    |
|                                    | EN 10058               | Flats                    |                     |                                    |
|                                    | DIN 59200              | Wide Flats               |                     |                                    |
|                                    | EN 10060               | Round Bars               |                     |                                    |
|                                    | EN 10279               | Channels                 |                     |                                    |
| Elongation (%)                     | Nominal Thickness (mm) | Elongation (%)           |                     |                                    |
|                                    | ≤40                    | 22                       |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Tensile Strength (MPa)             | Nominal Thickness (mm) | Tensile Strength (MPa)   |                     |                                    |
|                                    | ≤100                   | 470 to 630               |                     |                                    |
| Yield Strength (MPa)               | Nominal Thickness (mm) | Yield Strength (MPa)     |                     |                                    |
|                                    | ≤16                    | 355                      |                     |                                    |
|                                    | >16≤40                 | 345                      |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Impact Strength (J)                | Nominal Thickness (mm) | Temperature (°C)         | Impact Strength (J) |                                    |
|                                    | ≤150                   | -20                      | 27                  |                                    |
|                                    |                        |                          |                     |                                    |
| Weldability (Chemical composition) | Nominal Thickness (mm) | CEV% Max                 |                     |                                    |
|                                    | ≤30                    | 0.45                     |                     |                                    |
|                                    | >30≤40                 | 0.47                     |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Durability (Chemical composition)  | Nominal Thickness (mm) | Values Max (%)           |                     |                                    |
|                                    | ≤16                    | C                        | 0.23                |                                    |
|                                    |                        | Si                       | 0.60                |                                    |
|                                    |                        | Mn                       | 1.70                |                                    |
|                                    |                        | P                        | 0.035               |                                    |
|                                    |                        | S                        | 0.035               |                                    |
|                                    |                        | N                        | ---                 |                                    |
|                                    |                        | Cu                       | 0.60                |                                    |
|                                    | >16≤40                 | C                        | 0.23                |                                    |
|                                    |                        | Si                       | 0.60                |                                    |
|                                    |                        | Mn                       | 1.70                |                                    |
|                                    |                        | P                        | 0.035               |                                    |
|                                    |                        | S                        | 0.035               |                                    |
|                                    |                        | N                        | ---                 |                                    |
| Cu                                 |                        | 0.60                     |                     |                                    |



EN 10025-1 – 2004

**Bar and Section S355J2 / 1.0577**

Hot rolled structural steel products  
Intended Use:  
**To be used in fabricated, bolted and riveted structures.**

Elongation:  
Tensile Strength:  
Yield Strength:  
Impact Strength:  
Weldability:  
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

**UK Conformity Assessment Body:**

LRQA Verification Ltd  
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES  
Notified body No. 0038  
Tel:+44 (0)121 817 4000  
Website: www.lrqa.com



Doc No. 7SteelUKDOP-002

Hot rolled structural steel products  
Bars & Section S355J0 / 1.0553 according to EN 10025-2: 2019

Intended use:  
To be used in fabricated, bolted and riveted structures.

Manufacturer:  
**7Steel Manufacturing (UK) Ltd**  
Building 58, Castle Works  
East Moors Road, Cardiff  
CF24 5NN  
United Kingdom  
Tel: 029 2035 1800  
Website: 7-steeluk.com

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

**System 2+**

Scope as detailed in Certificate of Conformity of

Factory Production Control No. **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No. 1359, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer:**

**Marc Griffiths** Date: 10/09/2025  
Quality Manager, 7Steel Manufacturing UK, Cardiff.

| Essential Characteristics          | Performance            |                          |                     | Harmonised technical specification |
|------------------------------------|------------------------|--------------------------|---------------------|------------------------------------|
| Dimensional and shape tolerances   | EN 10056-1 & 2         | Equal and Unequal Angles |                     | EN 10025-2:2019                    |
|                                    | EN 10058               | Flats                    |                     |                                    |
|                                    | DIN 59200              | Wide Flats               |                     |                                    |
|                                    | EN 10060               | Round Bars               |                     |                                    |
|                                    | EN 10279               | Channels                 |                     |                                    |
| Elongation (%)                     | Nominal Thickness (mm) | Elongation (%)           |                     |                                    |
|                                    | ≤40                    | 22                       |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Tensile Strength (MPa)             | Nominal Thickness (mm) | Tensile Strength (MPa)   |                     |                                    |
|                                    | ≤100                   | 470 to 630               |                     |                                    |
| Yield Strength (MPa)               | Nominal Thickness (mm) | Yield Strength (MPa)     |                     |                                    |
|                                    | ≤16                    | 355                      |                     |                                    |
|                                    | >16≤40                 | 345                      |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Impact Strength (J)                | Nominal Thickness (mm) | Temperature (°C)         | Impact Strength (J) |                                    |
|                                    | ≤150                   | 0                        | 27                  |                                    |
|                                    |                        |                          |                     |                                    |
| Weldability (Chemical composition) | Nominal Thickness (mm) | CEV% Max                 |                     |                                    |
|                                    | ≤30                    | 0.45                     |                     |                                    |
|                                    | >30≤40                 | 0.47                     |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Durability (Chemical composition)  | Nominal Thickness (mm) | Values Max (%)           |                     |                                    |
|                                    | ≤16                    | C                        | 0.23                |                                    |
|                                    |                        | Si                       | 0.60                |                                    |
|                                    |                        | Mn                       | 1.70                |                                    |
|                                    |                        | P                        | 0.040               |                                    |
|                                    |                        | S                        | 0.040               |                                    |
|                                    |                        | N                        | 0.014               |                                    |
|                                    |                        | Cu                       | 0.60                |                                    |
|                                    | >16≤40                 | C                        | 0.23                |                                    |
|                                    |                        | Si                       | 0.60                |                                    |
|                                    |                        | Mn                       | 1.70                |                                    |
|                                    |                        | P                        | 0.040               |                                    |
|                                    |                        | S                        | 0.040               |                                    |
|                                    |                        | N                        | 0.014               |                                    |
| Cu                                 |                        | 0.60                     |                     |                                    |



EN 10025-1 – 2004

**Bar and Section S355J0 / 1.0553**

Hot rolled structural steel products

Intended Use:  
To be used in fabricated, bolted and riveted structures.

Elongation:  
Tensile Strength:  
Yield Strength:  
Impact Strength:  
Weldability:  
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

**UK Conformity Assessment Body:**

LRQA Verification Ltd  
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES  
Notified body No. 0038  
Tel:+44 (0)121 817 4000  
Website: www.lrqa.com



**Doc No. 7SteelUKDOP-002**

Hot rolled structural steel products  
Bars & Section S275JR / 1.0044 according to EN 10025-2: 2019

Intended use:  
**To be used in fabricated, bolted and riveted structures.**

Manufacturer:  
**7Steel Manufacturing (UK) Ltd**  
Building 58, Castle Works  
East Moors Road, Cardiff  
CF24 5NN  
United Kingdom  
Tel: 029 2035 1800  
Website: 7-steeluk.com

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

**System 2+**

Scope as detailed in Certificate of Conformity of

Factory Production Control No. **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No. 1359, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer:**

**Marc Griffiths** Date: 10/09/2025  
Quality Manager, 7Steel Manufacturing UK, Cardiff.

| Essential Characteristics                 | Performance            |                          |                     | Harmonised technical specification |
|-------------------------------------------|------------------------|--------------------------|---------------------|------------------------------------|
| <i>Dimensional and shape tolerances</i>   | EN 10056-1 & 2         | Equal and Unequal Angles |                     | EN 10025-2:2019                    |
|                                           | EN 10058               | Flats                    |                     |                                    |
|                                           | DIN 59200              | Wide Flats               |                     |                                    |
|                                           | EN 10060               | Round Bars               |                     |                                    |
|                                           | EN 10279               | Channels                 |                     |                                    |
| <i>Elongation (%)</i>                     | Nominal Thickness (mm) | Elongation (%)           |                     |                                    |
|                                           | ≤40                    | 23                       |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Tensile Strength (MPa)</i>             | Nominal Thickness (mm) | Tensile Strength (MPa)   |                     |                                    |
|                                           | ≤100                   | 410 to 560               |                     |                                    |
| <i>Yield Strength (MPa)</i>               | Nominal Thickness (mm) | Yield Strength (MPa)     |                     |                                    |
|                                           | ≤16                    | 275                      |                     |                                    |
|                                           | >16≤40                 | 265                      |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Impact Strength (J)</i>                | Nominal Thickness (mm) | Temperature (°C)         | Impact Strength (J) |                                    |
|                                           | ≤150                   | 20                       | 27                  |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Weldability (Chemical composition)</i> | Nominal Thickness (mm) | CEV% Max                 |                     |                                    |
|                                           | ≤30                    | 0.40                     |                     |                                    |
|                                           | >30≤40                 | 0.40                     |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Durability (Chemical composition)</i>  | Nominal Thickness (mm) | Values Max (%)           |                     |                                    |
|                                           | ≤16                    | C                        | 0.24                |                                    |
|                                           |                        | Si                       | —                   |                                    |
|                                           |                        | Mn                       | 1.60                |                                    |
|                                           |                        | P                        | 0.045               |                                    |
|                                           |                        | S                        | 0.045               |                                    |
|                                           |                        | N                        | 0.014               |                                    |
|                                           |                        | Cu                       | 0.60                |                                    |
|                                           | >16≤40                 | C                        | 0.24                |                                    |
|                                           |                        | Si                       | —                   |                                    |
|                                           |                        | Mn                       | 1.60                |                                    |
|                                           |                        | P                        | 0.045               |                                    |
|                                           |                        | S                        | 0.045               |                                    |
|                                           |                        | N                        | 0.014               |                                    |
| Cu                                        |                        | 0.60                     |                     |                                    |



EN 10025-1 – 2004

**Bar and Section S275JR / 1.0044**

Hot rolled structural steel products

Intended Use:  
**To be used in fabricated, bolted and riveted structures.**

Elongation:  
Tensile Strength:  
Yield Strength:  
Impact Strength:  
Weldability:  
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

**UK Conformity Assessment Body:**

LRQA Verification Ltd  
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES  
Notified body No. 0038  
Tel:+44 (0)121 817 4000  
Website: www.lrqa.com





**Doc No. 7SteelUKDOP-002**

Hot rolled structural steel products  
Bars & Section S275J0 / 1.0143 according to EN 10025-2: 2019

Intended use:  
**To be used in fabricated, bolted and riveted structures.**

Manufacturer:  
**7Steel Manufacturing (UK) Ltd**  
Building 58, Castle Works  
East Moors Road, Cardiff  
CF24 5NN  
United Kingdom  
Tel: 029 2035 1800  
Website: 7-steeluk.com

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

**System 2+**

Scope as detailed in Certificate of Conformity of

Factory Production Control No. **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No. 1359, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer:**

**Marc Griffiths** Date: 10/09/2025  
Quality Manager, 7Steel Manufacturing UK, Cardiff.

| Essential Characteristics          | Performance            |                          |                     | Harmonised technical specification |
|------------------------------------|------------------------|--------------------------|---------------------|------------------------------------|
| Dimensional and shape tolerances   | EN 10056-1 & 2         | Equal and Unequal Angles |                     | EN 10025-2:2019                    |
|                                    | EN 10058               | Flats                    |                     |                                    |
|                                    | DIN 59200              | Wide Flats               |                     |                                    |
|                                    | EN 10060               | Round Bars               |                     |                                    |
|                                    | EN 10279               | Channels                 |                     |                                    |
| Elongation (%)                     | Nominal Thickness (mm) | Elongation (%)           |                     |                                    |
|                                    | ≤40                    | 23                       |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Tensile Strength (MPa)             | Nominal Thickness (mm) | Tensile Strength (MPa)   |                     |                                    |
|                                    | ≤100                   | 410 to 560               |                     |                                    |
| Yield Strength (MPa)               | Nominal Thickness (mm) | Yield Strength (MPa)     |                     |                                    |
|                                    | ≤16                    | 275                      |                     |                                    |
|                                    | >16≤40                 | 265                      |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Impact Strength (J)                | Nominal Thickness (mm) | Temperature (°C)         | Impact Strength (J) |                                    |
|                                    | ≤150                   | 0                        | 27                  |                                    |
|                                    |                        |                          |                     |                                    |
| Weldability (Chemical composition) | Nominal Thickness (mm) | CEV% Max                 |                     |                                    |
|                                    | ≤30                    | 0.40                     |                     |                                    |
|                                    | >30≤40                 | 0.40                     |                     |                                    |
|                                    |                        |                          |                     |                                    |
| Durability (Chemical composition)  | Nominal Thickness (mm) | Values Max (%)           |                     |                                    |
|                                    | ≤16                    | C                        | 0.21                |                                    |
|                                    |                        | Si                       | ---                 |                                    |
|                                    |                        | Mn                       | 1.60                |                                    |
|                                    |                        | P                        | 0.040               |                                    |
|                                    |                        | S                        | 0.040               |                                    |
|                                    |                        | N                        | 0.014               |                                    |
|                                    |                        | Cu                       | 0.60                |                                    |
|                                    | >16≤40                 | C                        | 0.21                |                                    |
|                                    |                        | Si                       | ---                 |                                    |
|                                    |                        | Mn                       | 1.60                |                                    |
|                                    |                        | P                        | 0.040               |                                    |
|                                    |                        | S                        | 0.040               |                                    |
|                                    |                        | N                        | 0.014               |                                    |
| Cu                                 |                        | 0.60                     |                     |                                    |



EN 10025-1 – 2004

**Bar and Section S275J0 / 1.0143**

Hot rolled structural steel products  
Intended Use:  
**To be used in fabricated, bolted and riveted structures.**

Elongation:  
Tensile Strength:  
Yield Strength:  
Impact Strength:  
Weldability:  
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

**UK Conformity Assessment Body:**

LRQA Verification Ltd  
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES  
Notified body No. 0038  
Tel:+44 (0)121 817 4000  
Website: www.lrqa.com



**Doc No. 7SteelUKDOP-002**

Hot rolled structural steel products  
Bars & Section S235JR / 1.0038 according to EN 10025-2: 2019

Intended use:  
**To be used in fabricated, bolted and riveted structures.**

Manufacturer:  
**7Steel Manufacturing (UK) Ltd**  
Building 58, Castle Works  
East Moors Road, Cardiff  
CF24 5NN  
United Kingdom  
Tel: 029 2035 1800  
Website: 7-steeluk.com

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

**System 2+**

Scope as detailed in Certificate of Conformity of

Factory Production Control No. **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No. 1359, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer:**

**Marc Griffiths** Date: 10/09/2025  
Quality Manager, 7Steel Manufacturing UK, Cardiff.

| Essential Characteristics                 | Performance            |                          |                     | Harmonised technical specification |
|-------------------------------------------|------------------------|--------------------------|---------------------|------------------------------------|
| <i>Dimensional and shape tolerances</i>   | EN 10056-1 & 2         | Equal and Unequal Angles |                     | EN 10025-2:2019                    |
|                                           | EN 10058               | Flats                    |                     |                                    |
|                                           | DIN 59200              | Wide Flats               |                     |                                    |
|                                           | EN 10060               | Round Bars               |                     |                                    |
|                                           | EN 10279               | Channels                 |                     |                                    |
| <i>Elongation (%)</i>                     | Nominal Thickness (mm) | <i>Elongation (%)</i>    |                     |                                    |
|                                           | ≤40                    | 26                       |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Tensile Strength (MPa)</i>             | Nominal Thickness (mm) | Tensile Strength (MPa)   |                     |                                    |
|                                           | ≤100                   | 360 to 510               |                     |                                    |
| <i>Yield Strength (MPa)</i>               | Nominal Thickness (mm) | Yield Strength (MPa)     |                     |                                    |
|                                           | ≤16                    | 235                      |                     |                                    |
|                                           | >16≤40                 | 225                      |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Impact Strength (J)</i>                | Nominal Thickness (mm) | Temperature (°C)         | Impact Strength (J) |                                    |
|                                           | ≤150                   | 20                       | 27                  |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Weldability (Chemical composition)</i> | Nominal Thickness (mm) | CEV% Max                 |                     |                                    |
|                                           | ≤30                    | 0.35                     |                     |                                    |
|                                           | >30≤40                 | 0.35                     |                     |                                    |
|                                           |                        |                          |                     |                                    |
| <i>Durability (Chemical composition)</i>  | Nominal Thickness (mm) | Values Max (%)           |                     |                                    |
|                                           | ≤16                    | C                        | 0.19                |                                    |
|                                           |                        | Si                       | ---                 |                                    |
|                                           |                        | Mn                       | 1.50                |                                    |
|                                           |                        | P                        | 0.045               |                                    |
|                                           |                        | S                        | 0.045               |                                    |
|                                           |                        | N                        | 0.014               |                                    |
|                                           |                        | Cu                       | 0.60                |                                    |
|                                           | >16≤40                 | C                        | 0.19                |                                    |
|                                           |                        | Si                       | ---                 |                                    |
|                                           |                        | Mn                       | 1.50                |                                    |
|                                           |                        | P                        | 0.045               |                                    |
|                                           |                        | S                        | 0.045               |                                    |
|                                           |                        | N                        | 0.014               |                                    |
|                                           |                        | Cu                       | 0.60                |                                    |



EN 10025-1 – 2004

**Bar and Section S235JR / 1.0038**

Hot rolled structural steel products

Intended Use:  
**To be used in fabricated, bolted and riveted structures.**

Elongation:  
Tensile Strength:  
Yield Strength:  
Impact Strength:  
Weldability:  
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

**UK Conformity Assessment Body:**

LRQA Verification Ltd  
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES  
Notified body No. 0038  
Tel:+44 (0)121 817 4000  
Website: www.lrqa.com