

## HX460LAD

### High strength hot-dip galvanised steel

HX460LAD is an extension to Tata Steel's hot-dip galvanised (HDG) high-strength low-alloy steel family. It offers designers the possibility to down gauge complex components, without losing the required structural integrity by combines high strength with high formability.

#### Typical applications:

This high-strength metallic coated product is used for a range of applications, including: seat bells, construction and automotive components.

#### Benefits:

The application of this product allows customers to exploit a range of associated benefits, including:

- Good strength/weight ratio
- Good formability suitable for most rolled formed sections
- Associated environmental benefits including improved carbon footprint

#### Mechanical properties (EN 10346:2009)

Grade	R <sub>p0.2</sub> (N/mm <sup>2</sup> )	R <sub>m</sub> (N/mm <sup>2</sup> )	A <sub>80</sub> (%)
	Min	Min	Min
HX460LAD	460-560	500-640	15

Notes:

Values are based on test pieces taken in the transverse direction

#### Chemical analysis (EN10346:2009)

Grade	C	Si	Mn	P	S	Al <sub>tot</sub>	Nb	Ti
	Max	Max	Max	Max	Max	Min	Max	Max
HX460LAD	0,15	0,5	1,7	0,03	0,025	≥0,015	0,09	0,15

Note:

Values provided in weight percentages

#### Dimensions

Thickness (mm)		Width (mm)	
		Min	Max
≥	<		
1,60	3,00	1000	1510

Note:

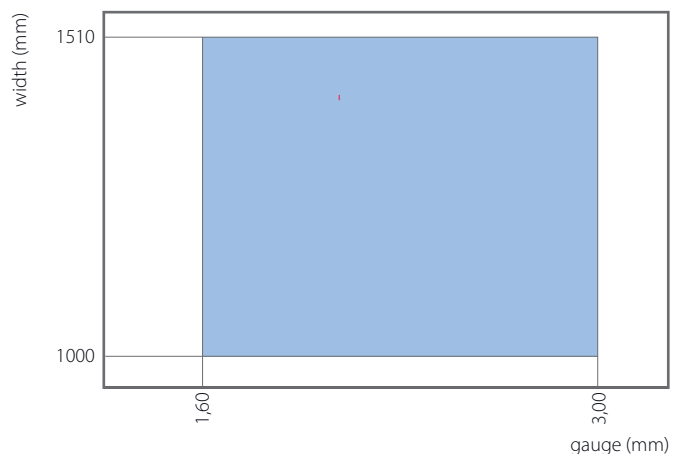
For other dimensions please contact Tata Steel

#### Dimensional tolerances against EN 10143: 2006

	Tolerances
Thickness	Normal, special
Width	Normal

Note:

For other tolerances please contact Tata Steel



## Surface treatment

Products can be supplied with an oiled or a chemical passivated surface.

## Technical support

By working in partnership with you, we find the best solutions to meet your needs and help your business to perform. Our technical services team is available at short notice to assist you and your customers. These skilled engineers can apply their knowledge of steel and its application helping customers optimise productivity, efficiency and product performance.

Customers can also take advantage of our research and development resources. Our scientists and technical experts can help resolve complex engineering issues and assist in the development of innovative products.



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