

## STEEL SHEET COMPONENTS

### ITEMS

Steel sheet components of series 30/40/75/100/150/300/500/900/2000

### COUNTRY OF ORIGIN

European Union (EU)

STEEL	Hot rolled steel for cold forming. The material is according to the EN 10111 standard, steel quality DD11 / DD13.
GALVANIZING	<p>Guaranteed minimum zinc thickness of 8µm. Bi-Chromatic galvanizing exempt Cr. VI, with correct sealant.</p> <p>Galvanizing thickness of 8µm minimum. Passivated with chrome trivalent mix with nitrates and sulphates. Coating and sealing treatment using a silicate based sealant.</p> <p>The galvanizing has been tested by salt water spray chamber for 240 hours according to the UNE-EN ISO60068-2-11 normative of European Union.</p>
QUALITY CONTROL	<p>The manufacturer controls the manufacturing chain starting from the raw material supplier until the final product.</p> <p>Manufacturer's quality and environmental management systems are according to the international standards of ISO 9001.</p>

## ACID-PROOF AND STAINLESS STEEL SHEET COMPONENTS

### ITEMS

Steel sheet components of series 100/150/300/500

### COUNTRY OF ORIGIN

European Union (EU)

AISI 304 and 316 L are high corrosion resistant austenitic stainless steels. The steel are manufactured according to the EN 10088/2: 2008.

Series	AISI	EN
100	316 L	1.4404
150/300/500	304 / 316 L	1.4407 / 1.4404

### STEEL

Material recommendation for different environments according to three different corrosion categories; (L) low, (M) medium, (H) high.

Steel grade	Rural			Urban			Industrial			Marine		
	L	M	H	L	M	H	L	M	H	L	M	H
AISI 304	+	+	+	+	+	o	o	o	x	+	o	x
AISI 316	-	-	-	-	+	+	+	+	o	+	+	o

+ = optimum choice, o = may be used with precautions, x = not suitable, - = over-specified  
Source: Outokumpu, Corrosion Handbook, 2009

### QUALITY CONTROL

The manufacturer controls the manufacturing chain starting from the raw material supplier until the final product.

Manufacturer's quality and environmental management systems are according to the international standards of ISO 9001.

## GALVANIZED STEEL TRACKS

### ITEMS

Steel track profiles of series AOK/75/100/150/300/500/900/2000

### COUNTRY OF ORIGIN

European Union (EU)

<b>STEEL</b>	<p>The track profiles are manufactured by using a cold-rolling technique, according to the standard EN 10346: 2009.</p> <table border="1"><thead><tr><th>Track</th><th>Material</th></tr></thead><tbody><tr><td>K-75</td><td>S320GD</td></tr><tr><td>AOK/K-100/K-150/K-300/K-500/K-900</td><td>S350GD</td></tr><tr><td>K-2000</td><td>S355J2+N</td></tr></tbody></table>	Track	Material	K-75	S320GD	AOK/K-100/K-150/K-300/K-500/K-900	S350GD	K-2000	S355J2+N
Track	Material								
K-75	S320GD								
AOK/K-100/K-150/K-300/K-500/K-900	S350GD								
K-2000	S355J2+N								
<b>GALVANIZING</b>	<p>The tracks are hot-dipped galvanized steel.</p> <p>K-75, K-100, K-150, K-300, K-500 and K-900 tracks and AOK bottom guide channel have a surface treatment of Z275MAC, which means 275 g/m, with a minimum thickness of 20 µm.</p> <p>The galvanization of the K-2000 is according to SFS-EN 1461. The average thickness of the galvanizing is 70 µm, mass 505 g/m<sup>2</sup>.</p>								
<b>QUALITY CONTROL</b>	<p>Manufactured from high quality Scandinavian steel. The manufacturer controls the manufacturing chain starting from the molten steel to the profiled steel track.</p> <p>Manufacturer's quality and environmental management systems are according to the international standards of ISO 9001 and ISO 14001.</p>								

## ACID-PROOF AND STAINLESS STEEL TRACKS

### ITEMS

Steel track profiles of series 100/150/300/500

### COUNTRY OF ORIGIN

European Union (EU)

### STEEL

The track profiles are manufactured by using a cold-rolling technique.

Track	AISI	EN
K-100/K-150/K-300/K-500	316 L	1.4404

Material recommendation for different environments according to three different corrosion categories; (L) low, (M) medium, (H) high

Steel grade	Rural			Urban			Industrial			Marine		
	L	M	H	L	M	H	L	M	H	L	M	H
<b>AISI 316 L</b>	-	-	-	-	+	+	+	+	o	+	+	o

+ = optimum choice, o = may be used with precautions, x = not suitable, - = over-specified  
Source: Outokumpu, Corrosion Handbook, 2009

### QUALITY CONTROL

Manufactured from high quality Scandinavian steel. The manufacturer controls the manufacturing chain starting from the molten steel to the profiled steel track.

Manufacturer's quality and environmental management systems is according to the international standards of ISO 9001 and ISO 14001.

## ALUMINIUM TRACKS

### ITEMS

Aluminum track profiles of series AOK/30/40/75/SAGA

### COUNTRY OF ORIGIN

European Union (EU)

### ALUMINIUM

The track profiles are manufactured by aluminum extrusion.

Track	Material	Anodized
AOK-10	EN-AW-6063 T5	-
K-30	EN-AW-6063 T5	-
K-40	EN-AW-6063 T5	-
K-75/Junior	EN-AW-6063 T5	-
K-75/Flow	EN-AW-6063 T5	-
K-75/Flow/Anodized	EN-AW-6063 T5	15 µm
K-150 SAGA	EN-AW-6060 T6	25 µm
K-300 SAGA	EN-AW-6060 T6	25 µm

### QUALITY CONTROL

The tracks are inspected visually by the supplier and at Helaform's facilities for any manufacturing defects, e.g. specks in the anodizing.

Manufacturer's quality and environmental management systems are according to the international standards of ISO 9001 and ISO 14001.