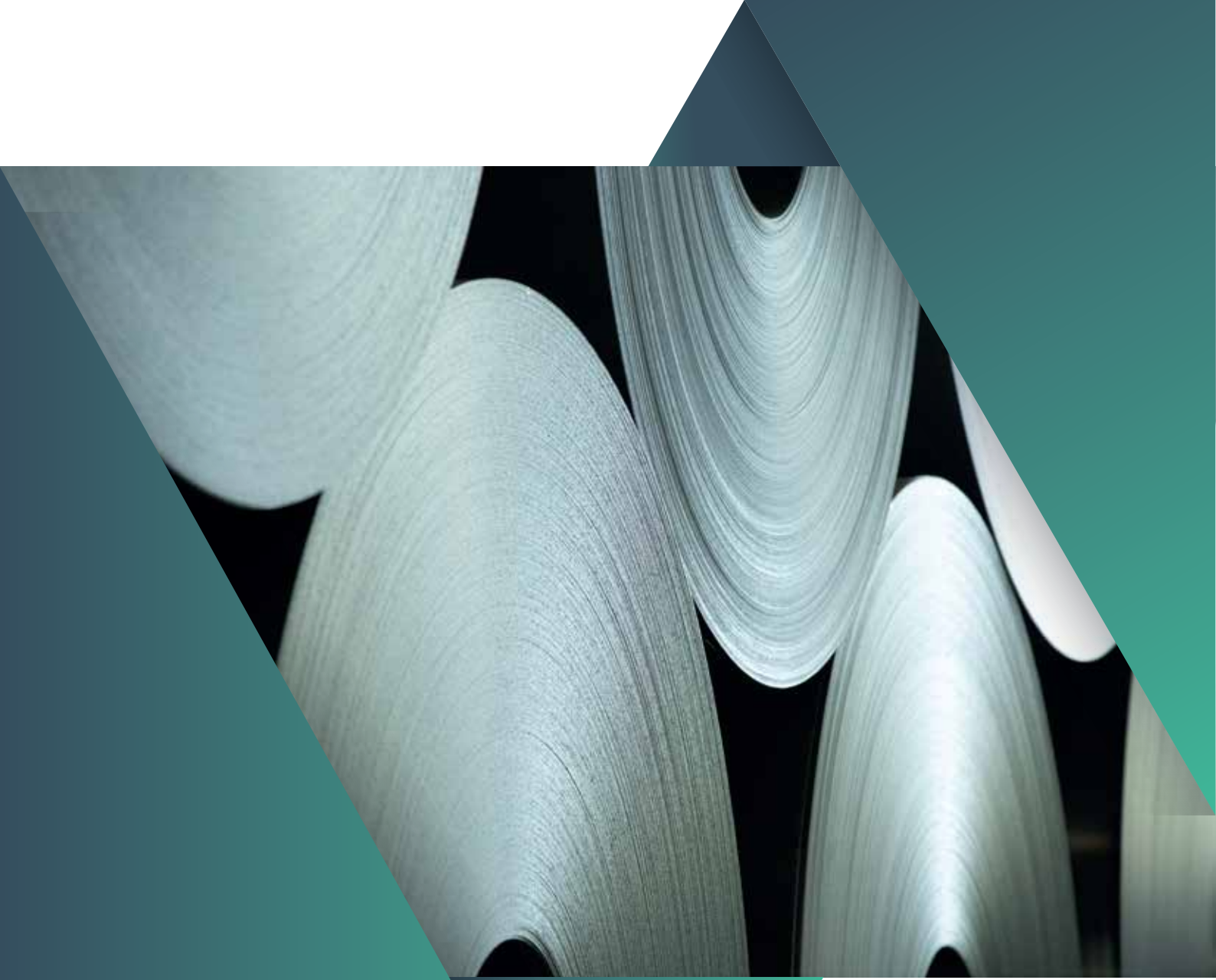




**TOSYALI TOYO**



Tosyalı  
Toyo

[www.tosyalitoyo.com.tr](http://www.tosyalitoyo.com.tr)



Tosyalı Toyo Çelik A.Ş. produces cold rolled flat steel products in international standards by using its knowledge and experience makes a significant contribution to the country.



# 2015

Tosyalı Holding is leading company in flat steel and steel pipe manufacturing in the Turkish private sector and Toyo Kohan is a leader company in Japan and the world in the high-technology steel products segment. The cooperation agreement between world leading companies concluded in February 2012.

The base of Tosyalı Toyo Çelik A.Ş which is the first Turkish high-technology flat steel manufacturer with high-value-added was laid in January 2015 after 3 years preparation process.

This investment aims to eliminate Turkey's dependence on foreign sources for high-technology steel production. A significant portion of the imported products is sourced domestically after this investment to contribute to reducing the current deficit.

The facilities have a rolling capacity of 1.0 million tons and employ over 1000 people to manufacture tin plates, galvanized, painted, cold rolled, pickled-oiled coils, slitted coils, and plates. The products are to be used by a wide range of sectors from the packing industry to electrical household appliances, IT products to the construction sector, and white goods to automotive. The production volume of the Tosyalı Toyo not only meets the demand in Turkey also in a wide geography from Europe to the Caucasus, the Middle East, and North Africa.

# GREEN STEEL

## About Toyo Kohan

In 1934, Toyo Kohan was established as the first tin plate manufacturer in Japan. Currently, the company has a pioneering position in Japan on business segments such as electro galvanization, nickel plating, treated surface steel, chromium plating, and film coated steel and it is the world's number one company with the most advanced production technology.

### ABOUT TOSYALI TOYO

**2012**  
The cooperation agreement between Tosyali Holding and Toyo Kohan was signed in February 2012.



**2022**  
Tosyali Toyo exports to more than 70 countries with more than 1000 employees.



**2015**  
The basis of Tosyali Toyo Çelik A.Ş. factory was laid in January 2015 after nearly three years of the preparation process.



**2017**  
Tosyali Toyo started commercial production with 1 million tons of rolling capacity as of May 2017.



**2016**

The facility is located in Osmaniye Organized Industrial Site established on a total 250 thousand m<sup>2</sup> area and has started trial production as of December 2016.



## About Us

A cooperation agreement was signed in February 2012 between Tosyalı Holding, the leading flat steel and steel pipe producer of the Turkish private sector, and Toyo Kohan, one of the leading companies in Japan and the world in steel products produced with high technology.

Tosyalı Toyo produces tinplate, galvanized sheet, painted sheet, cold rolled sheet and pickled&oiled coils, slit coils, and sheets which are used in many fields in the facilities with 1 million tons of rolling capacity and more than 1000 employees.

## Our Vision

To be an innovative, preferred, and exemplary global company that pioneers the steel industry.

## Our Mission

With social responsibility and environmental awareness,

- To ensure integration from raw material to a final product
- Improving innovative technology and applying it in production processes
- To produce differentiated high-quality products with high added value.
- To adopt the principle of continuous improvement
- To improve people's quality of life
- Providing value to its stakeholders



Environmentalist



World Company



Sustainability



Innovator



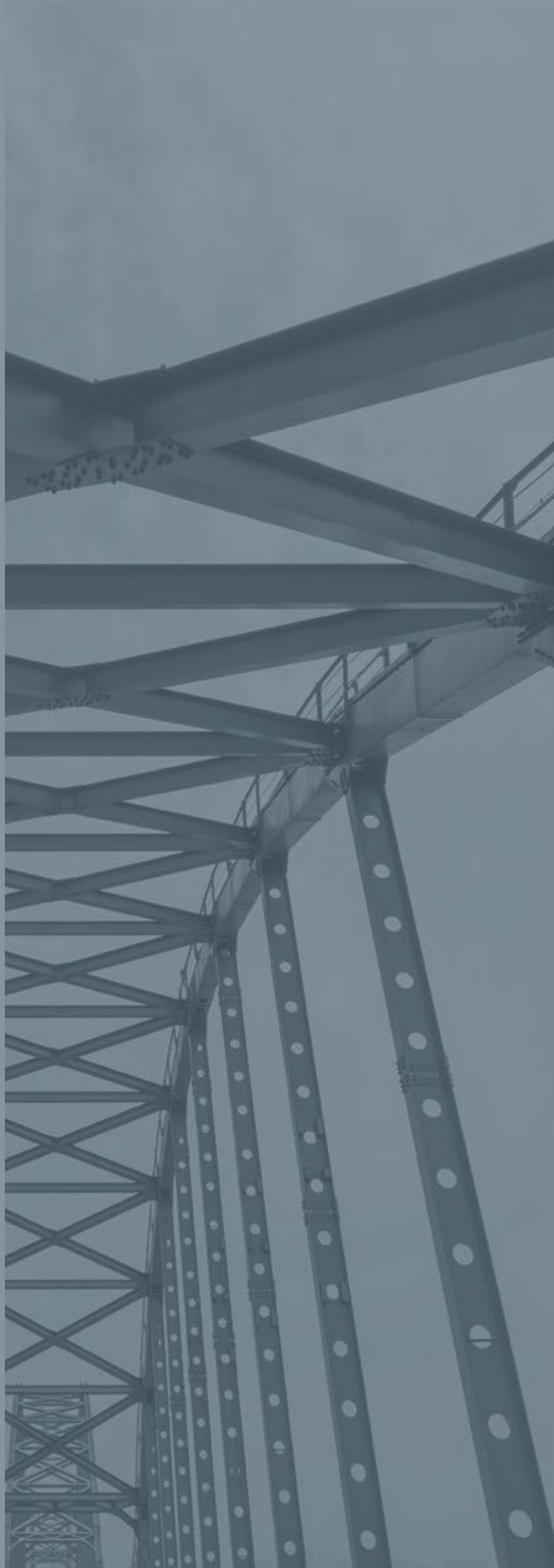
Experienced Staff



Efficiency Oriented



Industry Leading



INDUSTRY  
INDUSTRY  
QUALITY  
QUALITY  
INVESTMENT  
INVESTMENT  
PRODUCT RANGE  
PRODUCT RANGE  
PRODUCT  
PRODUCT  
MACHINE  
MACHINE  
ELECTRONICS  
ELECTRONICS  
AUTOMATISATION  
AUTOMATISATION  
HIGH TECHNOLOGY  
HIGH TECHNOLOGY  
ISO 500  
ISO 500  
IRON&STEEL  
IRON&STEEL  
FORTUNE 500  
FORTUNE 500  
GREEN STEEL  
GREEN STEEL  
DECARBURIZATION  
DECARBURIZATION



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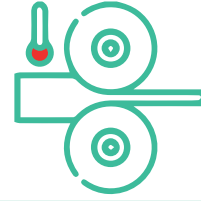
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TINPLATE PRODUCTS

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## Pickled Hot Rolled Products



The Pickled and Hot Rolled Products are produced by cleaning the scale layer of hot rolled products with Hydrochloric Acid in the continuous pickling line. Pickled products preferred in places of use where surface cleaning is important in terms of surface appear

Pickled products are produced as oiled unless otherwise specified.

### Production Range

Thickness Range : 1,60 - 4,00 mm  
 Width Range : 700 - 1.300 mm  
 Standard : EN 10111:2008, EN 10025-2:2004, EN10149-2:2013, EN 10338:2015

### HOT ROLLED PICKLED PRODUCTS

Product Type	Form of Product	
	Mill Edge	Trimmed Edge
Pickled	PHRM	PHR

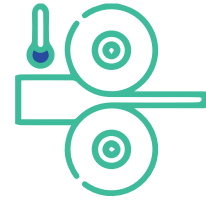
Steel Type	Cold Forming Steels	Structural Steels	Cold Forming Steels	Cold Forming Steels
Hot Rolled Pickled Steels	Drawing and Deep Drawing Quality Steels	Medium and High Strength General Structural Steels	Medium and High Strength Low Alloyed Steels	High Yield Strength Dual-Phase Steels
	DD11 DD12 DD13 DD14	S235JR S275JR S355JR	S315MC S355MC S420MC	HDT580X

Thickness (mm)	Width (mm)	
	Minimum	Maksimum
1,60 - 4,00	700	1300

**Subject:**

- The maximum order width is 1300mm. Widths from 1275 to 1300mm are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.

## Cold Rolled Full Hard Products



These products are produced by cold-rolling of pickled hot-rolled products.

### Production Range

Thickness Range : 0,20 - 2,00 mm  
 Width Range : 700 - 1.300 mm  
 Standard : EN 10130:2007,  
 EN 1623:2009,  
 SAE J403:2014

### COLD ROLLED FULL HARD PRODUCTS

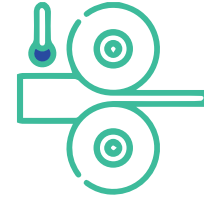
Product Type	Form of Products	
	Coil	Cut to Length
Fullhard	CRF	CRFC

Steel Type	General Application Steels for Batch Annealing, Continuous Annealing and Continuous Galvanizing Process				General Structural Steels			
	Low Carbon		Ultra Low Carbon		Medium Strength		Strap Production	
Cold Rolled Fullhard Steels	FDC01 FDC03 SAE 1006 SAE 1008		FDC04		S215G SAE 1010 SAE 1012 SAE 1015 SAE 1016		TTS215G	
Thickness (mm)	Width (mm)		Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
0,20 - 0,23	700	1100						
0,24 - 0,25	700	1169						
0,26 - 0,39	700	1250						
0,40 - 0,44	700	1250	700	1250	700	1000	700	1000
0,45 - 0,59	700	1270	700	1250	700	1000	700	1000
0,60 - 0,69	700	1270	700	1270	700	1100	700	1100
0,70 - 0,79	700	1270	700	1270	700	1200	700	1200
0,80 - 0,89	700	1270	700	1270	700	1270	700	1270
0,90 - 0,99	700	1270	700	1270	700	1270	700	1270
1,00 - 1,20	700	1270	700	1270	700	1270	700	1270
1,21 - 2,00	700	1270			700	1270	700	1270

**Subject:**

- Thicknesses under 0.20 are subject to negotiation.
- Cut to length sizes are in between 400-6000 mm.
- Maximum width is 1300mm. Orders between 1271-1300mm are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.

## Cold Rolled Products



### Production Range

Thickness Range : 0,20 - 1,20 mm (for batch annealed (BA) materials)  
 0,20 - 0,80 (for continuous annealed (CA) materials.)  
 Width Range : 700 - 1.300 mm  
 Standard : EN 10130:2007,  
 EN 10209:2013,  
 ASTM A1008M:2016

These products are products by cold-rolling, annealing and tempering of pickled hot-rolled products.

Cold-Rolled products can be produced as continuous annealed (CA) or batch annealed (BA).

### Where is Cold Sheet Used?

- Furniture
- Radiator
- Automotive
- Household Appliances
- Barrel Manufacturing
- Garage Doors
- Commercial Chiller
- Steel Door Manufacturing
- Rail-Lock Systems
- Elevator Systems

## COLD ROLLED PRODUCTS

Product Type	Form of Products			
	Coil	Trimmed Edge	Cut to Length	Trimmed Edge and Cut to Length
Batch Annealing	BCR	BCRK	BCRC	BCRKC

Steel Type	General Application Steels for Drawing	
Cold Rolled Drawing and Deep Drawig Steels	Low Carbon	Low Carbon / Enamelling
	DC01 CS TB 1006 DC03 CS TB 1008 DC04	DC01EK DC04EK

Thickness (mm)	Width (mm)	
	Minimum	Maksimum
0,20 - 0,24	700	1250
0,25 - 0,29	700	1250
0,30 - 0,34	700	1250
0,35 - 0,44	700	1250
0,45 - 1,20	700	1270

### Subject:

- Cut to length sizes are in between 400-6000 mm.
- Thicknesses under 0.30mm are subject to negotiation.
- Maximum width is 1300mm. Orders between 1271-1300mm are subject to negotiation.
- Orders except 0.50-0.90 mm thicknesses are subject to negotiation for DC05 and DC06.
- The Customer Technical Services should be contacted for technical questions not specified in the table.

## COLD ROLLED PRODUCTS

Product Type	Form of Products			
	Coil	Trimmed Edge	Cut to Length	Trimmed Edge and Cut to Length
Continuous Annealing	CCR	CCRK	CCRC	CCRKC
Steel Type	General Application Steels for Drawing			
Cold Rolled Drawing and Deep Drawing Steels	Low Carbon		Low Carbon / Enamelling	
	DC01 DC03 DC01EK CS TB 1006		DC04 DC04EK	
Thickness (mm)	Width (mm)		Width (mm)	
	Minimum	Maksimum	Minimum	Maksimum
0,20 - 0,23	700	1100		
0,24 - 0,25	700	1169		
0,26 - 0,27	700	1250		
0,28 - 0,29	700	1250		
0,30 - 0,34	700	1250	700	1175
0,35 - 0,44	700	1270	700	1175
0,45 - 0,49	700	1270	700	1270
0,50 - 0,59	700	1270		
0,60 - 0,80	700	1270		

## Services:

Thicknesses under 0.30mm are subject to negotiation.

Maximum width is 1300mm. Orders between 1272-1300mm are subject to negotiation.

The Customer Technicals Services should be contacted for technical questions not specified in the table.

Cut to length sizes are in between 400-6000 mm.

## COLD ROLLED PRODUCTS

Product Type	Form of Products	
	Slitted Coil	Slitted and Cut to Length
Batch Annealing	BCRS	BCRSC
Continuous Annealing	CCRS	CCRSC

Steel Type	General Application Steels for Drawing					
Cold Rolled Drawing and Deep Drawing Steels	Batch Annealing		Continuous Annealing		Continuous Annealing	
	DC01 DC03 DC04 DC05 DC06	DC01EK DC04EK CS TB 1006	DC01 DC03 DC01EK CS TB 1006		DC04 DC04EK	
Thickness (mm)	Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum
0,25 - 0,25	20	1300	20	1300		
0,26 - 0,26	20	1300	20	1300		
0,27 - 0,29	20	1300	20	1300		
0,30 - 0,44	20	1300	20	1300	20	1300
0,45 - 0,59	20	1300	20	1300	20	1300
0,60 - 0,80	20	1300	20	1300	20	1300
0,81 - 0,90	20	1300				
0,91 - 1,00	20	1300				
1,01 - 1,10	20	1300				
1,11 - 1,20	20	1300				

## Subject:

• Thicknesses under 0.30mm are subject to negotiation.

• For all steel grades we can produce, the slitting line width capacity is min 20mm and max 1300mm.

• The Customer Technical Services should be contacted for technical questions not specified in the table.

• For all steel grades we can produce, width capacity of cut to length line is between 300-1300 mm. Cut to length sizes are in between 400-6000 mm.

## Tin Plate Products



Tinplate products are produced by electrolytically tin coating of cold-rolled low carbon flat steel. Both surfaces can be coated in equal or different coating weights.

We can supply our tinplate products as continuous annealed (CA) or batch annealed (BA), single reduced (SR) or double reduced (DR).

### Where are Tin Products Used?

- Preserves
- Aerosol Cans
- Twist off Cover
- Easy Open Cover
- Chemical Packaging
- Tin Food Body
- Tin Food Bottom-Top Cover

### Production Range

Thickness Range :	0,16 - 0,60 mm (Single Reduced, continuous or batch annealed tin coated products)
	0,12 - 0,30 mm (Double Reduced, continuous or batch annealed tin coated products)
Width Limits :	700 - 1.300 mm
Coating Range :	1,1 - 11,2 g/m <sup>2</sup>
Standard :	EN 10202:2022, ASTM A623M:2016



**ELECTROLYTIC SINGLE REDUCED TINPLATE PRODUCTS**

Product Type	Form of Products	
	Coil	Cut to Length
Single Reduced Batch Annealing	TNB	TNBC
Single Reduced Continuous Annealing	TNC	TNCC

Steel Type	Electrolytic Tin Coated Steels for Manufacture or Packaging and Tin Cans			
Single Reduced and Batch Annealed Tin Coated Steels	TS230, TS245, TS260 TS275, TS290, TS340, MRT-1BA, MRT-2BA, MRT-3BA, MRT-4BA			
Single Reduced and Continuous Annealed Tin Coated Steels	TH275, TH360, TH415, TH435, MRT-3CA, MRT4CA, MRT-5CA		TH230, TH245, TH260	
Thickness (mm)	Width (mm)		Width (mm)	
	Minimum	Maksimum	Minimum	Maksimum
0,160 - 0,239	700	1100	700	1100
0,240 - 0,259	700	1169	700	1175
0,260 - 0,449	700	1235	700	1175
0,450 - 0,600	700	1255	700	1175

**Subject:**

- Lengths over 1200 mm are subject to negotiation.
- The minimum order length for cut-to-length is 450 mm, maximum 1200mm.
- Maximum width is 1300mm. Orders between 1256-1300mm are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.

**ELECTROLYTIC SINGLE REDUCED TINPLATE PRODUCTS**

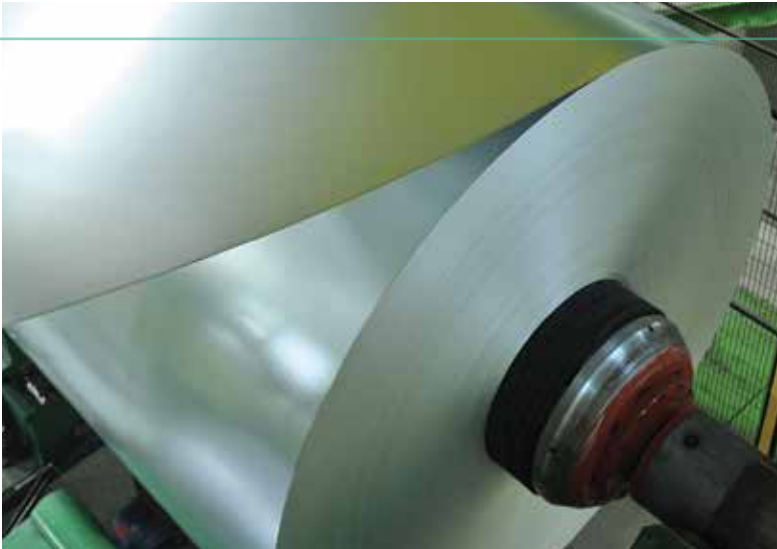
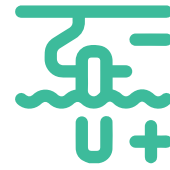
Product Type	Form of Products	
	Coil	Cut to Length
Double Reduced Batch Annealing	DTNB	DTNBC
Double Reduced Continuous Annealing	DTNC	DTNCC

Steel Type	Form of Products			
Double Reduced Tin Coated	Batch Annealing		Continuous Annealing	
	TS520, TS550, MRDR-7.5BA (DR7.5), MRDR-8BA (DR8)		TH520, TH550, TH580, TH620, TH520K, TH550K, MRDR-7.5CA (DR7.5), MRDR-8CA (DR8), MRDR-8.5CA (DR8.5), MRDR-9CA (DR9)	
Thickness (mm)	Width (mm)			
	Minimum	Maksimum	Minimum	Maksimum
0,130 - 0,165	700	1100	700	1100
0,170 - 0,190	700	1169	700	1100
0,195 - 0,215	700	1235	700	1169
0,220 - 0,300	700	1235	700	1200

**Subject:**

- Lengths over 1200 mm are subject to negotiation.
- TH480 ve TS480 grades are subject to negotiation.
- The minimum order length for cut-to-length is 450 mm, maximum 1200mm.
- The Customer Technical Services should be contated for technical questions not specified in the table.

## Hot Dip Zinc Coated Products



These products are produced by hot-dip galvanizing of both surfaces of the cold-rolled flat steels or pickled hot-rolled flat steels.

Production at requested surface quality, with chromate (Cr+3) and / or oil coating, organic film coated is possible based on customer preference.

### Production Range

Thickness Range : 0,20 – 3,00 mm  
 Width Range : 700 – 1.300 mm  
 Coating Range : 50 – 600 gr/m<sup>2</sup>  
 Standard : EN 10346:2015, ASTM A653M:2015

### HOT DIP ZINC COATED PRODUCTS

Product Type	Form of Products													
	Coil		Trimmed Edge				Cut to Length		Trimmed Edge and Cut to Length					
Continuous Galvanized	GCR		GCRK				GCRC		GCRKC					
Steel Type	Zinc Coated Steels for Cold Forming													
Zinc Coated Galvanized Steels	DX51D+Z S220GD+Z S250GD+Z S280GD+Z SS GRADE 33 SS GRADE 40 CS TYPE B		DX52D+Z		DX53D+Z		DX54D+Z		DX56D+Z		S320GD+Z S350GD+Z SS GRADE 50		SS GRADE 80	
CRF Thickness (mm)	Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum
0,24 - 0,25	700	1130												
0,26 - 0,26	700	1170												
0,27 - 0,27	700	1200												
0,28 - 0,29	700	1250												
0,30 - 0,39	700	1270												
0,40 - 0,43	700	1270	700	1270									700	1270
0,44 - 0,49	700	1270	700	1270	700	1260	700	1260					700	1270
0,50 - 0,50	700	1270	700	1270	700	1270	700	1270	700	1270			700	1270
0,51 - 0,59	700	1270	700	1270	700	1270	700	1270	700	1270			700	1270
0,60 - 0,69	700	1270	700	1270	700	1270	700	1270	700	1270	700	1270	700	1270
0,70 - 0,79	700	1270	700	1270	700	1270	700	1270	700	1270	700	1270	700	1270
0,80 - 0,89	700	1270	700	1270	700	1270	700	1270	700	1270	700	1270	700	1270
0,90 - 0,99	700	1270	700	1270	700	1270	700	1270			700	1270	700	1270
1,00 - 1,20	700	1270	700	1270	700	1270	700	1270			700	1270	700	1270
1,21 - 1,60	700	1270	700	1270							700	1270	700	1270
1,61 - 2,00	700	1270	700	1270							700	1270	700	1270

#### Subject:

- Thicknesses between 1.60-2.00mm can be produced both as GHR and GCR.
- The minimum order length for cut-to-length is 400 mm, maximum 6000mm.
- Maximum width is 1300mm. Orders between 1272-1300mm are subject to negotiation.
- Thicknesses below 0.30mm and thicknesses between 2.00-3.00mm are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.

## Hot Dip Zinc Coated Products

HOT DIP ZINC COATED PRODUCTS		
Product Type	Form of Products	
	Coil	Cut to Length
Hot Rolled Pickled Steels	GHR	GHRC
Steel Type	Zinc Coated Steels for Cold Forming	
Zinc Coated Galvanized Steels	DX51D+Z S220GD+Z S250GD+Z S280GD+Z SS GRADE 33 SS GRADE 40 CS TYPE B S320 GD+Z S350 GD+Z SS GRADE 50 SS GRADE 55	
HR Thickness ( mm )	Width ( mm )	
	Minimum	Maximum
1,60 - 2,5	700	1270
2,51 - 3,00	700	1255
THINGS TO CONSIDER DURING THE ORDERING PROCESS		
<ul style="list-style-type: none"> <li>• Coatings over 450 grams are subject to negotiation.</li> <li>• Thicknesses between 1.60-2.00mm can be produced both as GHR and GCR.</li> <li>• Contact our Customer Technical Services department for quality and dimensions not specified in the table.</li> </ul>		



Pickled hot rolled coils are zinc-coated directly (GHR) or after cold rolled (GCR) by continuous hot-dip method on the galvanizing line. Galvanized coating process is applied to both surfaces, the lower and upper surfaces.





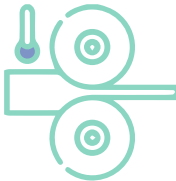
**HOT DIP ZINC COATED PRODUCTS**

Product Type	Form of Products	
	Slitted Coil	Slitted and Cut to Length
Continuous Galvanized	GCRS	GCRSC


Steel Type	Zinc Coated Steels for Cold Forming									
	Low Carbon		Ultra Low Carbon		Structural / High Strength and Low Alloyed		Structural / High Strength and Low Alloyed		High Yield Strength Dual-Phase	
Zinc Coated Galvanized Steels	DX51D+Z DX52D+Z CS TYPE B		DX53D+Z DX54D+Z DX56D+Z		S220GD+Z S250GD+Z S280GD+Z S320GD+Z HX260LAD+Z HX300LAD+Z		S350GD+Z  HX340LAD+Z HX380LAD+Z HX420LAD+Z		HCT590X	
Thickness (mm)	Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum
0,25 - 0,25	20	1300								
0,26 - 0,29	20	1300								
0,30 - 0,39	20	1300			20	1300				
0,40 - 0,44	20	1300	20	1300	20	1300	20	1300	20	1300
0,45 - 0,49	20	1300	20	1300	20	1300	20	1300	20	1300
0,50 - 0,59	20	1300	20	1300	20	1300	20	1300	20	1300
0,60 - 0,69	20	1300	20	1300	20	1300	20	1300	20	1300
0,70 - 0,79	20	1300	20	1300	20	1300	20	1300	20	1300
0,80 - 0,89	20	1300	20	1300	20	1300	20	1300	20	1300
0,90 - 0,99	20	1300	20	1300	20	1300	20	1300	20	1300
1,00 - 1,09	20	1300	20	1300	20	1300	20	1300	20	1300
1,10 - 1,19	20	1300	20	1300	20	1300	20	1300	20	1300
1,20 - 1,20	20	1300	20	1300	20	1300	20	1300	20	1300
1,21 - 1,29	20	1300			20	1300	20	1300	20	1300
1,30 - 1,39	20	1300			20	1300	20	1300	20	1300
1,40 - 1,49	20	1300			20	1300	20	1300	20	1300
1,50 - 1,59	20	1300			20	1300	20	1300	20	1300
1,60 - 1,69	20	1300			20	1300	20	1300	20	1300
1,70 - 1,79	20	1300			20	1300	20	1300	20	1300
1,80 - 1,89	20	1300			20	1300	20	1300	20	1300
1,90 - 2,00	20	1300			20	1300	20	1300	20	1300

**Subject:**

- Orders below 0.30mm thickness are subject to negotiation.
- For all steel grades we can produce, the slitting line width capacity is min 20mm and max 1300mm.
- The Customer Technical Services should be contacted for technical questions not specified in the table.
- For all steel grades we can produce, width capacity of cut to length line is between 300-1300 mm. Cut to length sizes are in between 400-6000 mm.



After hot / cold rolling



Surface pickled flat steels



Hot dip galvanized products

## HOT DIP ZINC COATED PRODUCTS

Product Type	Form of Products					
	Trapeze (27/200)					
Continuous Galvanized	GCRT					
Steel Type	Zinc Coated Steels for Roofing and Cladding					
Zinc Coated Galvanized Steels	Low Carbon		Ultra Low Carbon		Structural	
	DX51D+Z DX52D+Z		DX53D+Z DX54D+Z DX56D+Z		S220GD+Z S250GD+Z S280GD+Z S320GD+Z	
Thickness (mm)	Cover Width (mm)		Cover Width (mm)		Cover Width (mm)	
	5 Ribs	6 Ribs	5 Ribs	6 Ribs	5 Ribs	6 Ribs
0,20 - 0,25						
0,26 - 0,39	800	1000				
0,40 - 0,49	800	1000	800		800	
0,50 - 0,59	800	1000	800		800	
0,60 - 0,69	800	1000	800	1000	800	
0,70 - 0,79	800	1000	800	1000	800	
0,80 - 0,89	800	1000	800	1000	800	1000
0,90 - 0,99	800	1000	800	1000	800	1000
1,00 - 1,09	800	1000	800	1000	800	1000
1,10 - 1,20	800	1000	800	1000	800	1000

## Subject:

- Orders below 0.30mm thickness are subject to negotiation.
- The minimum order length for trapeze is 600 mm and the maximum is 14000 mm.
- The Customer Technical Services should be contacted for technical questions not specified in the table.



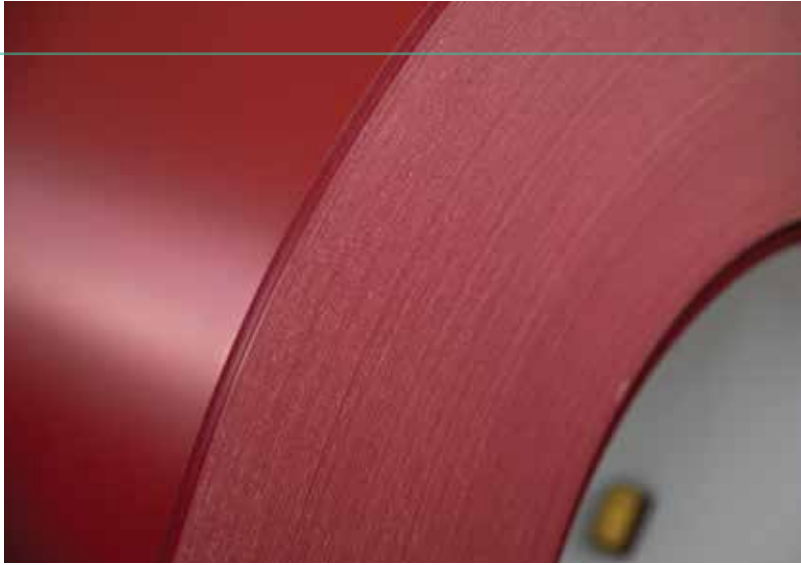


### Where are Galvanized Sheets Used?

- Automotive
- Household Appliances
- Pipe Profile
- Electric Panels
- Steel Construction
- Suspended Ceiling Parts
- Solar Energy Systems
- Ventilation Systems
- Production of Silos and Animal Shelters
- Advertising / Board and Industrial Design



## Pre Painted Products



These products are produced by painting of galvanized flat steels on continuous lines using polyurethane rollers. Ensuring additional corrosion resistance and aesthetical concerns are the primary reasons for preferring pre-painted products. Treatment with various paint types such as polyester, PVDF, plastisol, wrinkle polyester, polyamide modified polyurethane (PUR-PA) or special paints like antimicrobial paint is possible based on the area of use and product expectations.

### Where are Pre-Painted Sheets Used?

- Household Appliances
- Cooler Cabinet
- Exterior and Roof
- Suspended Ceiling Parts
- Silos and Animal Shelters
- Garage Doors and Shutter Manufacturing
- Agricultural and Military Building (Hangar)
- Construction Products

### Production Range

Thickness Range	: 0,20 – 1,20 mm
Width Range	: 700 – 1.300 mm
Coating Range	: 50 – 600 gr/m <sup>2</sup>
Standard	: EN 10346:2015, ASTM A653M:2015, EN 10169:2010

Pre-painted flat steel products are produced according to EN10169:2010 standard. Galvanized steel grades which are used as base metal produced according to EN10346:2015 standard.

### ZINC and ORGANIC COATED (PRE PAINTED) PRODUCTS

Product Type	Form of Products							
	Coil		Cut to Length					
Continuous Galvanized and Organic Coated	PPG		PPGC					
Steel Type	Zinc and Organic Coated Steels for Cold Forming							
Zinc and Organic Coated Galvanized Steels	Low Carbon		Ultra Low Carbon		Ultra Low Carbon		Ultra Low Carbon	
	DX51D+Z S220GD+Z S250GD+Z S280GD+Z CS TYPE B SS GRADE 33		DX53D+Z DX54D+Z DX56D+Z		S320GD+Z		S350GD+Z	
CRF Thickness (mm)	Width (mm)		Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
0,20 - 0,23								
0,24 - 0,25	700	1169						
0,26 - 0,29	700	1250						
0,30 - 0,39	700	1250			700	1200		
0,40 - 0,44	700	1250	700	1175	700	1250		
0,45 - 0,50	700	1270	700	1175	700	1270		
0,51 - 0,59	700	1270	700	1175	700	1270		
0,60 - 0,69	700	1270	700	1270	700	1270	700	1270
0,70 - 0,79	700	1270	700	1270	700	1270	700	1270
0,80 - 0,89	700	1250	700	1250	700	1250	700	1270
0,90 - 0,99	700	1200	700	1200	700	1200	700	1270
1,00 - 1,16	700	1200	700	1200	700	1200	700	1270

#### Subject:

- Cut to length sizes are in between 400-6000 mm.
- Thicknesses below 0.30mm are subject to negotiation.
- Maximum width is 1300mm. Orders between 1271-1300mm are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.

ZINC and ORGANIC COATED (PRE-PAINTED) PRODUCTS

Product Type	Form of Products	
	Slitted Coil	Slitted and Cut to Length
Continuous Galvanized and Organic Coated	PPGS	PPGSC

Steel Type	Zinc and Organic Coated Steels for Cold Forming					
Zinc and Organic Coated Galvanized Steels	Low Carbon		Ultra Low Carbon		Structural	
	DX51D+Z DX52D+Z CS TYPE B		DX53D+Z DX54D+Z DX56D+Z		S220GD+Z S250GD+Z S280GD+Z S320GD+Z	
Thickness (mm)	Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maksimum	Minimum	Maksimum	Minimum	Maksimum
0,25 - 0,25	20	1300				
0,26 - 0,26	20	1300				
0,27 - 0,29	20	1300				
0,30 - 0,39	20	1300			20	1300
0,40 - 0,44	20	1300	20	1300	20	1300
0,45 - 0,49	20	1300	20	1300	20	1300
0,50 - 0,50	20	1300	20	1300	20	1300
0,51 - 0,59	20	1300	20	1300	20	1300
0,60 - 0,69	20	1300	20	1300	20	1300
0,70 - 0,79	20	1300	20	1300	20	1300
0,80 - 0,89	20	1300	20	1300	20	1300
0,90 - 0,99	20	1300	20	1300	20	1300
1,00 - 1,09	20	1300	20	1300	20	1300
1,10 - 1,19	20	1300	20	1300	20	1300
1,20 - 1,20	20	1300	20	1300	20	1300

Subject:

- Orders below 0.30mm thickness are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.
- The slitting line capacity for all steel grades we can produce is minimum 20 mm and maximum 1300 mm.
- For all steel grades we can produce, width capacity of cut to length line is between 300-1300 mm. Cut to length sizes are in between 400-6000 mm.

ZINC and ORGANIC COATED (PRE-PAINTED) PRODUCTS

Product Type	Form of Products	
	Trapeze (27/200)	
Continuous Galvanized and Organic Coated	PPGT	

Steel Type	Zinc and Organic Coated Steels for Cold Forming					
Zinc and Organic Coated Galvanized Steels	Low Carbon		Ultra Low Carbon		Structural	
	DX51D+Z DX52D+Z CD TYPE B		DX53D+Z DX54D+Z DX56D+Z		S220GD+Z S250GD+Z S280GD+Z S320GD+Z	
Thickness (mm)	Cover Width (mm)		Cover Width (mm)		Cover Width (mm)	
	5 Ribs	6 Ribs	5 Ribs	6 Ribs	5 Ribs	6 Ribs
0,20 - 0,25	800					
0,26 - 0,39	800	1000				
0,40 - 0,49	800	1000	800		800	
0,50 - 0,59	800	1000	800		800	
0,60 - 0,69	800	1000	800	1000	800	
0,70 - 0,79	800	1000	800	1000	800	
0,80 - 0,89	800	1000	800	1000	800	1000
0,90 - 0,99	800	1000	800	1000	800	1000
1,00 - 1,09	800	1000	800	1000	800	1000
1,10 - 1,20	800	1000	800	1000	800	1000

Subject:

- Orders below 0.30mm thickness are subject to negotiation.
- The minimum order length for trapeze is 600 mm and the maximum is 14000 mm.
- The Customer Technical Services should be contacted for technical questions not specified in the table.



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