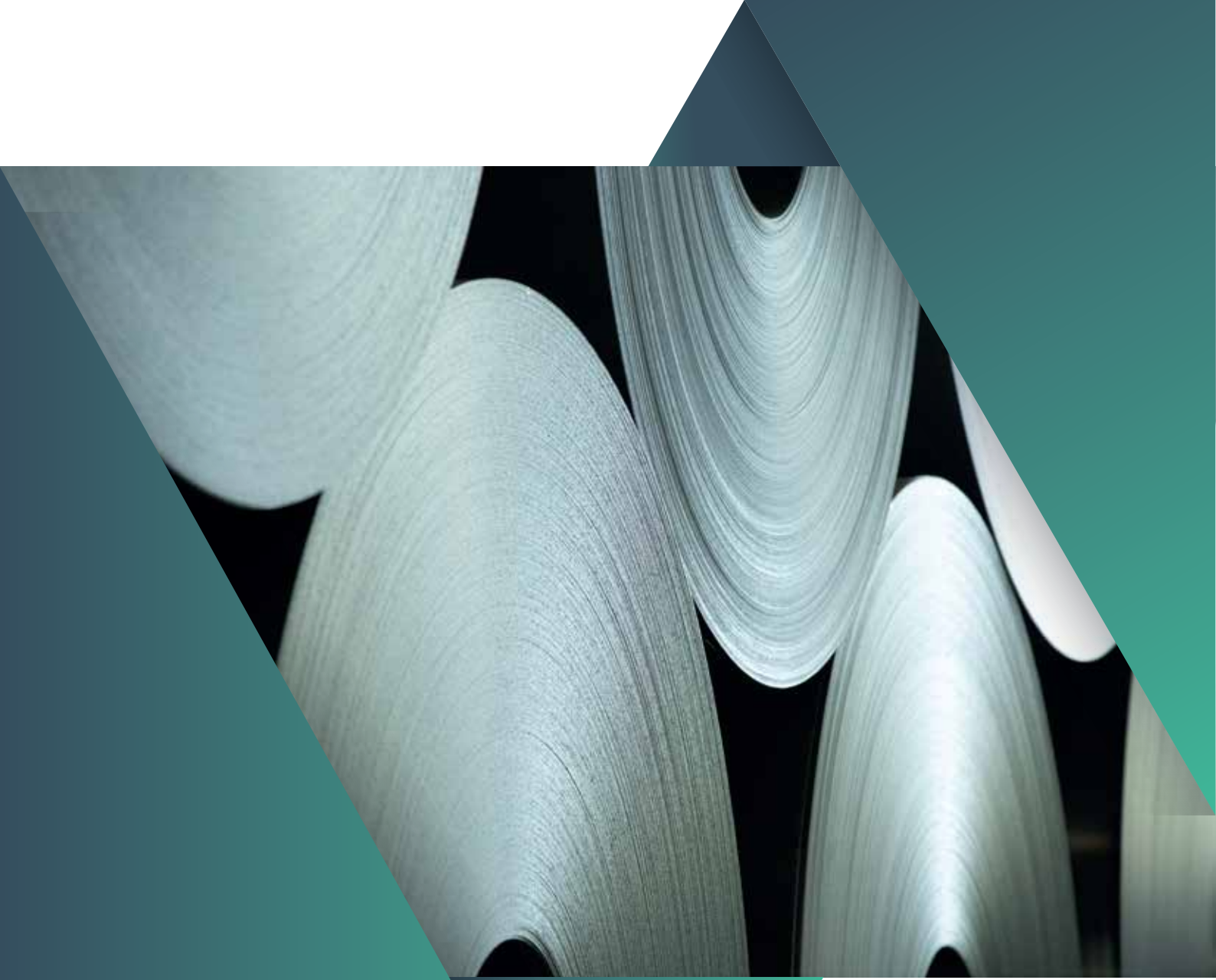




**TOSYALI TOYO**



Tosyalı  
Toyo

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

ENG



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



## **TOSYALI FOR A SUSTAINABLE LIFE**

Tosyalı not only strengthens its position in the steel industry through product quality but also through sustainability-focused efforts. By declaring "Tosyalı for a Sustainable Life" we commit to green steel and decarbonization initiatives, demonstrating our dedication to environmental responsibilities.

Our responsible production and consumption approach includes the use of eco-friendly technologies, and the generation of energy from renewable sources ensures that our production maintains a low carbon footprint. At the same time, our production with a high scrap ratio contributes to the circular economy.

With the commencement of the Solar Power Plant (SPP) project across our facilities, we take pride in having the world's largest rooftop Solar Power Plant. This project not only reduces our energy costs but also contributes to making our steel production one of the cleanest and greenest facilities globally.

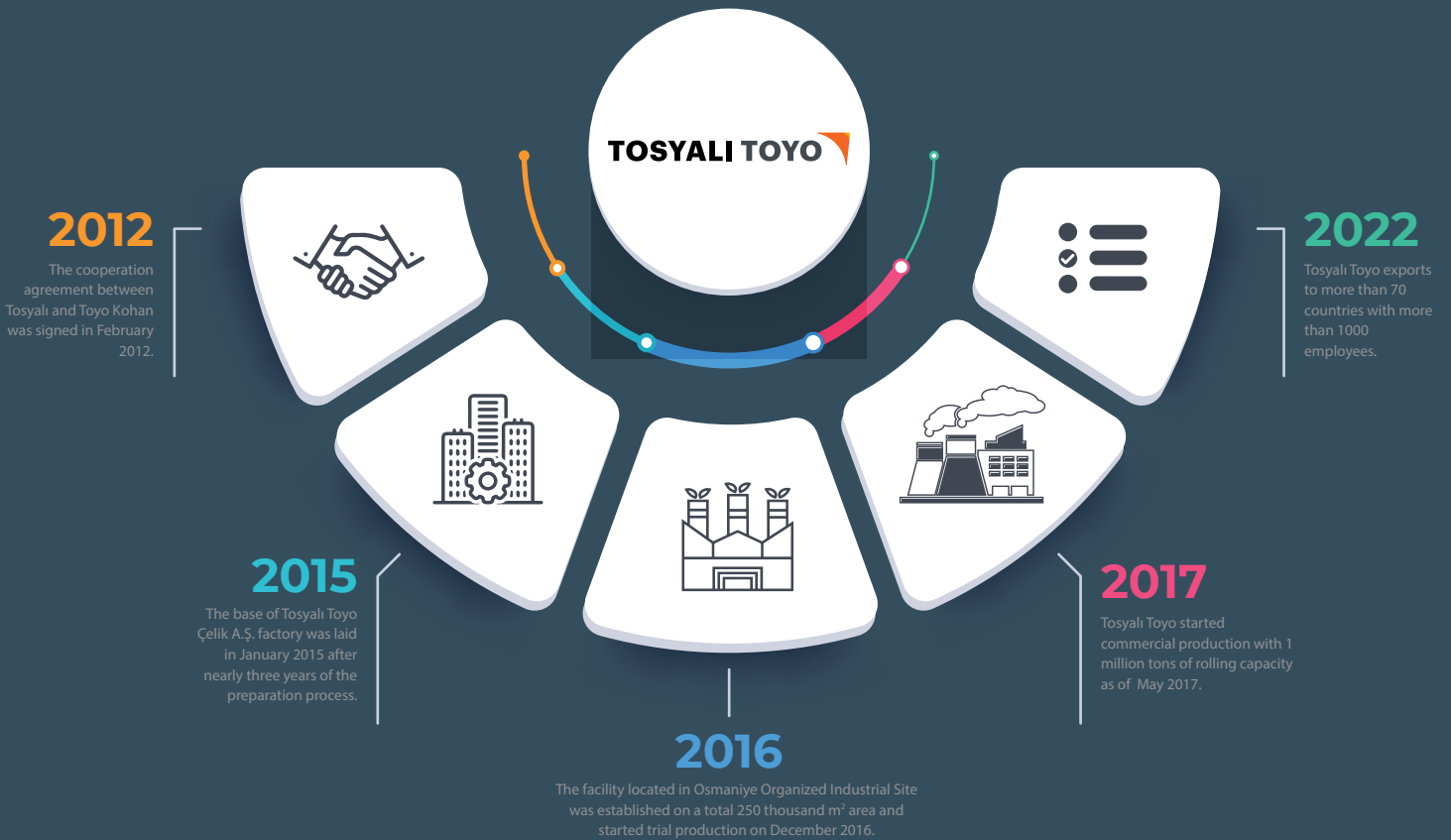
At our R&D Center, we focus on sustainability-driven projects, constantly reducing our carbon footprint through process improvements. Through innovation and technological advancements, we pave the way for environmentally friendly methods in steel production.

With a high rate of waste recycling and a commitment to the principles of the circular economy, we strive to leave a sustainable world for future generations. At Tosyalı, we take maximum effort to ensure a livable world for tomorrow. By taking steps today for a sustainable future, we play a pioneering role in the steel industry and maintain our determination to minimize environmental impacts.

# **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.





# Corporate Values

## About Us

Tosyalı Toyo is a joint venture between Tosyalı, the leading flat steel and steel pipe producer of Turkish private sector, and Toyo Kohan, one of the leading companies in Japan and in the world in steel products produced with high technology. The company was founded in 2012.

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 the architect of a better future through green steel production.

## Our Mission

To represent the best reference to the world as one of the most important and strategic iron and steel companies in Europe and Africa.



Environmentalist



World Company



Sustainability



Innovator



Experienced Staff



Efficiency Oriented



Industry Leading



INDUSTRY  
INDUSTRY  
QUALITY  
QUALITY  
INVESTMENT  
INVESTMENT  
PRODUCT RANGE  
PRODUCT RANGE  
COLD ROLLED  
COLD ROLLED  
MACHINE  
MACHINE  
ELECTRONICS  
ELECTRONICS  
AUTOMATION  
AUTOMATION  
HIGH TECHNOLOGY  
HIGH TECHNOLOGY  
TINPLATE  
TINPLATE  
IRON&STEEL  
IRON&STEEL  
GALVANIZED  
GALVANIZED  
GREEN STEEL  
GREEN STEEL  
PRE-PAINTED  
PRE-PAINTED



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HOT DIP GALVANIZED STEELS

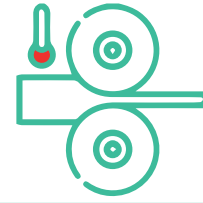
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PRE-PAINTED PRODUCTS

19



## 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 are preferred in places where surface cleaning is important in terms of surface appearance.

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

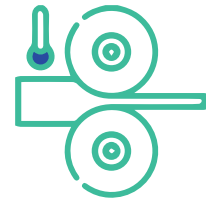
Steel Type	Cold Forming Steels	Structural Steels	Cold Forming Steels	Cold Forming Steels
Hot Rolled Pickled Steels	Drawing and Deep Drawing Quality Steels	Medium and High Strength General Structural Steels	Medium and High Strength Low Alloyed Steels	High Yield Strength Dual-Phase Steels
	DD11 DD12 DD13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

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

**Subject:**

- The maximum order width is 1300 mm. Widths from 1275 to 1300 mm 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			
Full Hard	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 Full Hard Steels	FDC01 FDC03 SAE 1006 SAE 1008		FDC04		S215G SAE 1010 SAE 1012 SAE 1015 SAE 1016		TTS215G	

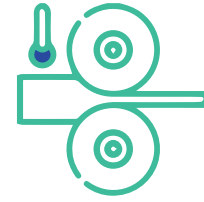
  

Thickness (mm)	Width (mm)		Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	0,20 - 0,23	700	1190					
0,24 - 0,25	700	1250						
0,26 - 0,39	700	1250						
0,40 - 0,44	700	1250	700	1250	700	1000	700	1000
0,45 - 0,59	700	1270	700	1250	700	1000	700	1000
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 mm are subject to negotiation.
- Cut to length sizes are in between 400-6000 mm.
- Maximum width is 1300 mm. Orders between 1271-1300 mm 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 produced 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	
	Low Carbon	Low Carbon / Enamelling
Cold Rolled Drawing and Deep Drawing Steels	DC01 DC05 CS TB 1006 DC03 DC06 CS TB 1008 DC04	DC01EK DC04EK

Thickness (mm)	Width (mm)	
	Minimum	Maximum
0,20 - 0,24	700	1100
0,25 - 0,29	700	1200
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 0.30 mm are subject to negotiation.
- Thicknesses above 1.22 mm 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	Maximum	Minimum	Maximum
0,20 - 0,23	700	1100		
0,24 - 0,25	700	1100		
0,26 - 0,27	700	1200		
0,28 - 0,29	700	1200		
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 0.30 mm are subject to negotiation.
- The Customer Technical 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					
	Slit Coil		Slit 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			
	DC01 DC01EK DC03 DC04EK DC04 CS TB 1006 DC05 DC06		DC01 DC03 DC01EK CS TB 1006			
Thickness (mm)	Width (mm)		Width (mm)		Width (mm)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
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 0.30 mm are subject to negotiation.
- For all steel grades we can produce, the slitting line width capacity is min 20 mm and max 1300 mm.
- 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.

## Tinplate & Tin Free Steel Products



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

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?

- Cans
- Aerosol Cans
- Twist off Lids
- Easy Open Lids
- Chemical Packaging
- Food Can Body
- Food Can Bottom-Top Cover
- Crown Caps
- Decorative Cans

### Production Range

Thickness Range :	0,16 - 0,60 mm (Single Reduced, continuous or batch annealed tin coated or tin free steel products)
	0,12 - 0,30 mm (Double Reduced, continuous or batch annealed tin coated or tin free steel products)
Width Limits :	700 - 1.300 mm
Coating Range :	Tin Coating 1,1 - 11,2 g/m <sup>2</sup> , Chromium Coating 50 - 140 mg/m <sup>2</sup>
Standard :	EN 10202:2022, ASTM A623M:2016



**ELECTROLYTIC SINGLE REDUCED TINPLATE & TIN FREE STEEL PRODUCTS**

Product Type	Form of Products			
	Coil		Cut to Length	
Single Reduced Batch Annealing	TNB-TFB		TNBC-TFBC	
Single Reduced Continuous Annealing	TNC-TFC		TNCC-TFCC	

Steel Type	Steel Grades			
Single Reduced and Batch Annealed	TS230, TS245, TS260 TS275, TS290, TS340, T-1BA, T-2BA, T-3BA, T-4BA			
Single Reduced and Continuous Annealed	TH275, TH360, TH415, TH435, T-3CA, T-4CA, T-5CA		TH230, TH245, TH260	
Thickness (mm)	Width (mm)		Width (mm)	
	Minimum	Maximum	Minimum	Maximum
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:

- Thicknesses of 0,45 mm and above are subject to negotiation.
- TS230, TS340, TH245, TH260, TH340, TH360 grades are subject to negotiation.
- The Customer Technical Services should be contacted for technical questions not specified in the table.
- Minimum order length for cut to length is 450 mm and maximum 1200 mm.
- Lengths over 1200 mm are subject to negotiation.

**ELECTROLYTIC DOUBLE REDUCED TINPLATE & TIN FREE STEEL PRODUCTS**

Product Type	Form of Products	
	Coil	Cut to Length
Double Reduced Batch Annealed	DTNB-DTFB	DTNBC-DTFBC
Double Reduced Continuous Annealed	DTNC-DTFC	DTNCC-DTFCC

Steel Type	Form of Products			
Double Reduced	Batch Annealed		Continuous Annealed	
	TS520, TS550, DR-7.5BA, DR-8BA		TH520, TH550, TH580, TH620, TH520K, TH550K, DR-7.5CA, DR-8CA, DR-8.5CA, DR-9CA	
Thickness (mm)	Width (mm)			
	Minimum	Maximum	Minimum	Maximum
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 1200 mm.
- 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<sup>+3</sup>) 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 GALVANIZED STEELS														
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													
Hot Dip 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	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
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 1.60-2.00 mm can be produced both as GHR and GCR.
- The minimum order length for cut-to-length is 400 mm, maximum 6000 mm.
- Maximum width is 1300 mm. Orders between 1272-1300 mm are subject to negotiation.
- Thicknesses below 0.30 mm and thicknesses between 2.00-3.00 mm 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 Hot Dip Galvanized Steel	GHR	GHRC
Steel Type	Zinc Coated Steels for Cold Forming	
Hot Dip 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 1.60-2.00 mm 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 rolling (GCR) by continuous hot-dip method on the galvanizing line. Galvanized coating process is applied to both lower and upper surfaces.





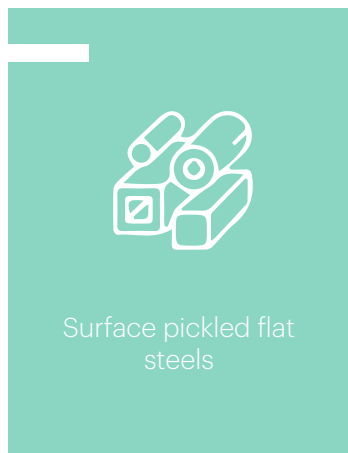
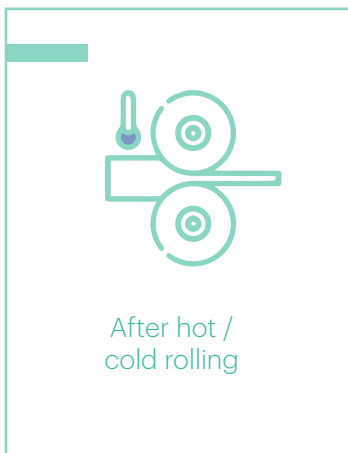
**HOT DIP ZINC COATED PRODUCTS**

Product Type	Form of Products	
	Slit Coil	Slit 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	
Hot Dip 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	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
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 0.30 mm thicknesses are subject to negotiation.
- For all steel grades we can produce, the slitting line width capacity is min 20 mm and max 1300 mm.
- 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.



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					
Hot Dip 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 0.30 mm 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.

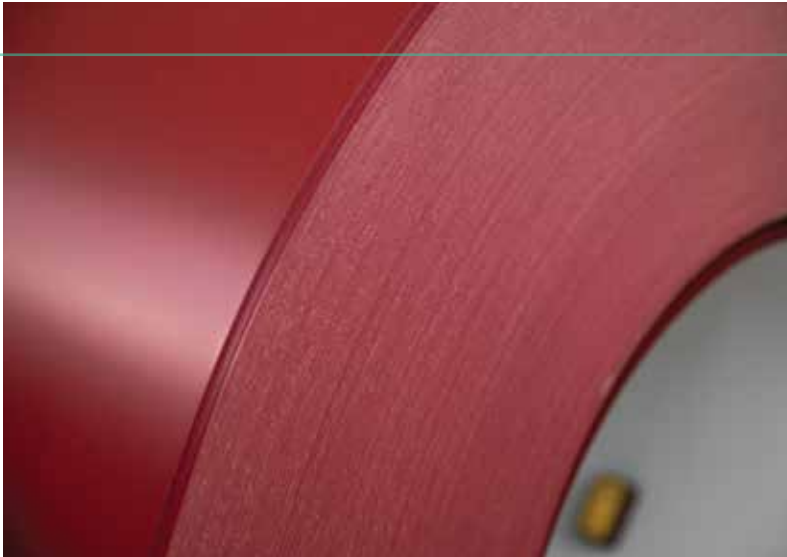


### Where are Galvanized Sheets Used?

- 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 are in accordance with 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 0.30 mm are subject to negotiation.
- Maximum width is 1300 mm. Orders between 1271-1300 mm 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	
	Slit Coil	Slit 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	Maximum	Minimum	Maximum	Minimum	Maximum
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 0.30 mm 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 0.30 mm 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.

## V I S I O N G R E E N

“

*As Tosyalı, our vision is to contribute to building a sustainable world via ensuring environmentally production in our facilities, with the help of technology, innovation and renewable energy usage. Within our responsible ecosystem management approach, we produce green steel products in every category of the steel. We produce **less carbon emission, consume less water, focus on renewable energy resources, produce with highest efficiency and recycle all our wastes.***

*We believe that a sustainable world is possible with the green transformation of the steel industry.*

**Fuat Tosyalı**  
Chairman of the Board  
of Directors of Tosyalı Holding

”

Tosyalı proudly presents a new umbrella brand to represent its green steel vision in every touch point of its operations.

### Tosyalı V-Green

This is not just a brand, it is also the strongest indicator of sustainability actions those have been taking place for many years at Tosyalı and will continue by highest determination.

In all our production facilities, we focus on new generation green steel production and under the umbrella of V-Green, we introduce environment friendly products for our suppliers.

#### How we are making this vision live in Tosyalı?

We produce green steel with the help of;

- technology usage,
- innovation,
- renewable energy resources,
- recycling in every touch point production and
- operating with highest efficiency.

We aim to be the world's leading sustainable green steel producer with the lowest carbon footprint.

“

**“V” are ready to be “Green”!**

V-Green.  
Vision Green.





### **İstanbul Office**

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No:72 Batı Ataşehir / İstanbul / Türkiye

### **Factory**

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