Email: info@steelpros.in
Phone Number: +91- 8046808002

STEELPROS
Sector 19(A),
Chandigarh- 160019 (PB.)

Dealing In:
Different size and measurement of Color-coated steel sheets, Tinplate, GP sheets, CR Coils and sheets, Tin Mil black plate etc.

COLD ROLLED COIL AND SHEETS

Contents

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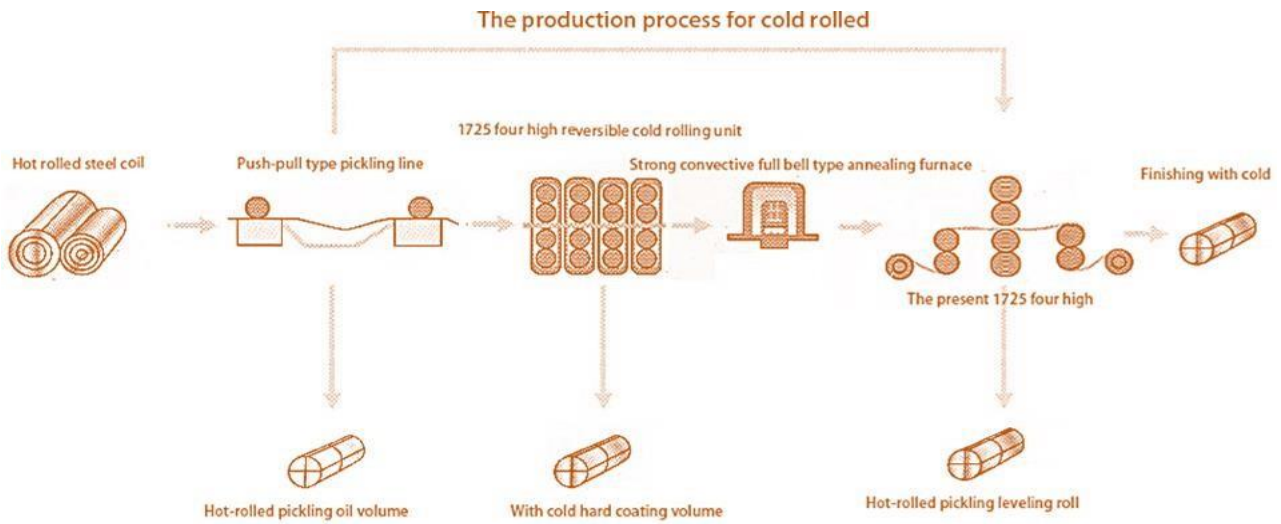
Different size and measurement of Color-coated steel sheets, Tinplate, GP sheets, CR Coils and sheets, Tin Mil black plate etc.

❖ Manufacturing Process:



❖ Features

- Superior workability:

Cold rolled products have excellent formability and minimal deviation in mechanical properties, newly constructed and modernized facilities and innovative technologies, and integrated quality control system extending from raw materials to the final product.

- Superior surface quality and dimensional accuracy:

Modern facilities, advanced operational technologies, strict inspection, and integrated quality control ensure excellent surface quality. Dimensional accuracy is guaranteed by an automatic thickness control system using advanced numerical models.

- Wide range of product standards:

Products range from general use, including extra deep drawing quality and bake hardening sheets, to high strength sheets and sheets for enamelling and other special applications.

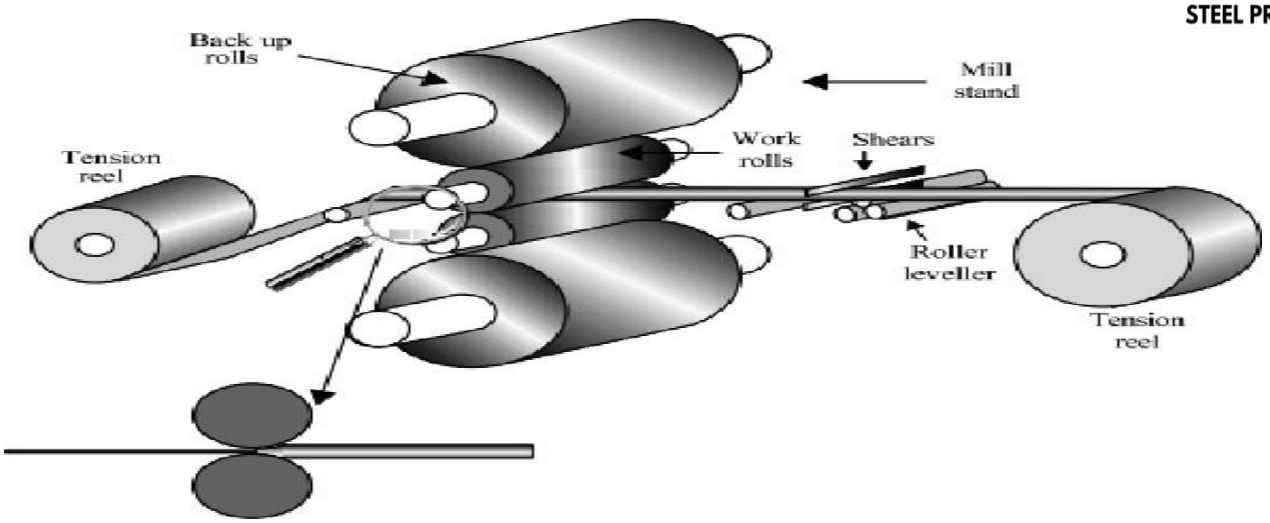
- Wide range of sizes:

The available size ranges include thickness from 0.14mm to 3.2 mm and width up to 1,850mm.

- Superior shape

Applying tension leveller ensures superior strip flatness.

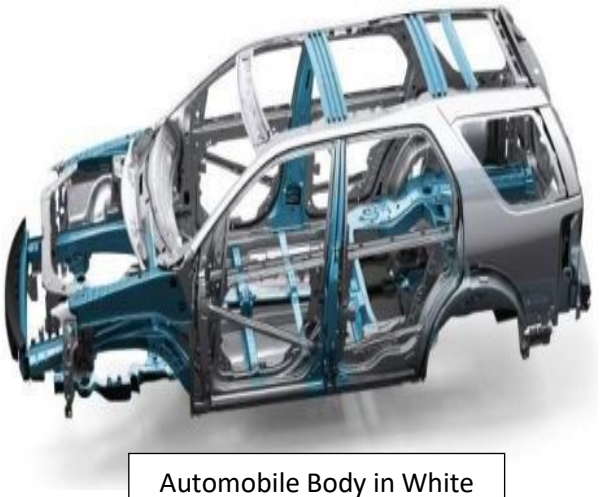
❖ Coating Structure



❖ Applications

Cold Rolled Coil and Sheet is applied to various Products such as Parts of airplane, Electric appliances, precision Instruments, toy industry, vehicle manufacturing etc.

Automobile Inner Centre pillar



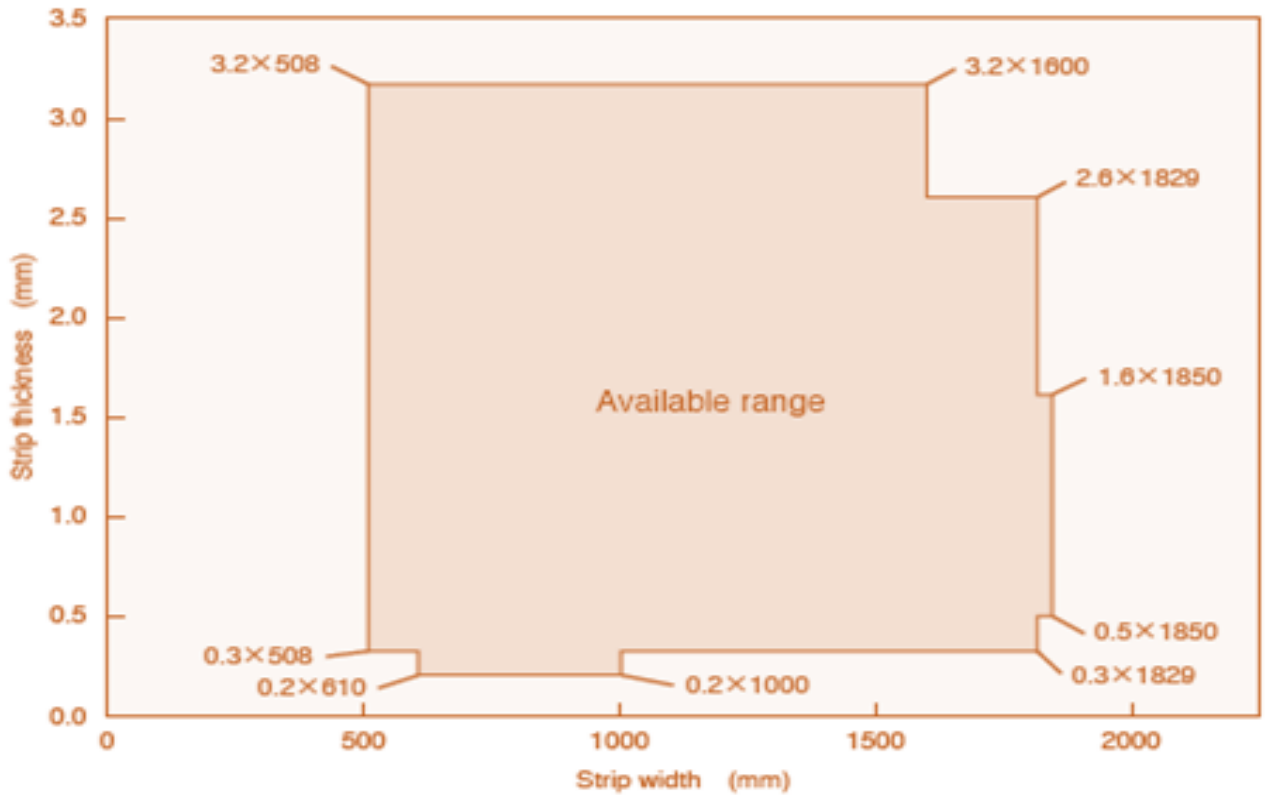
Automobile Body in White

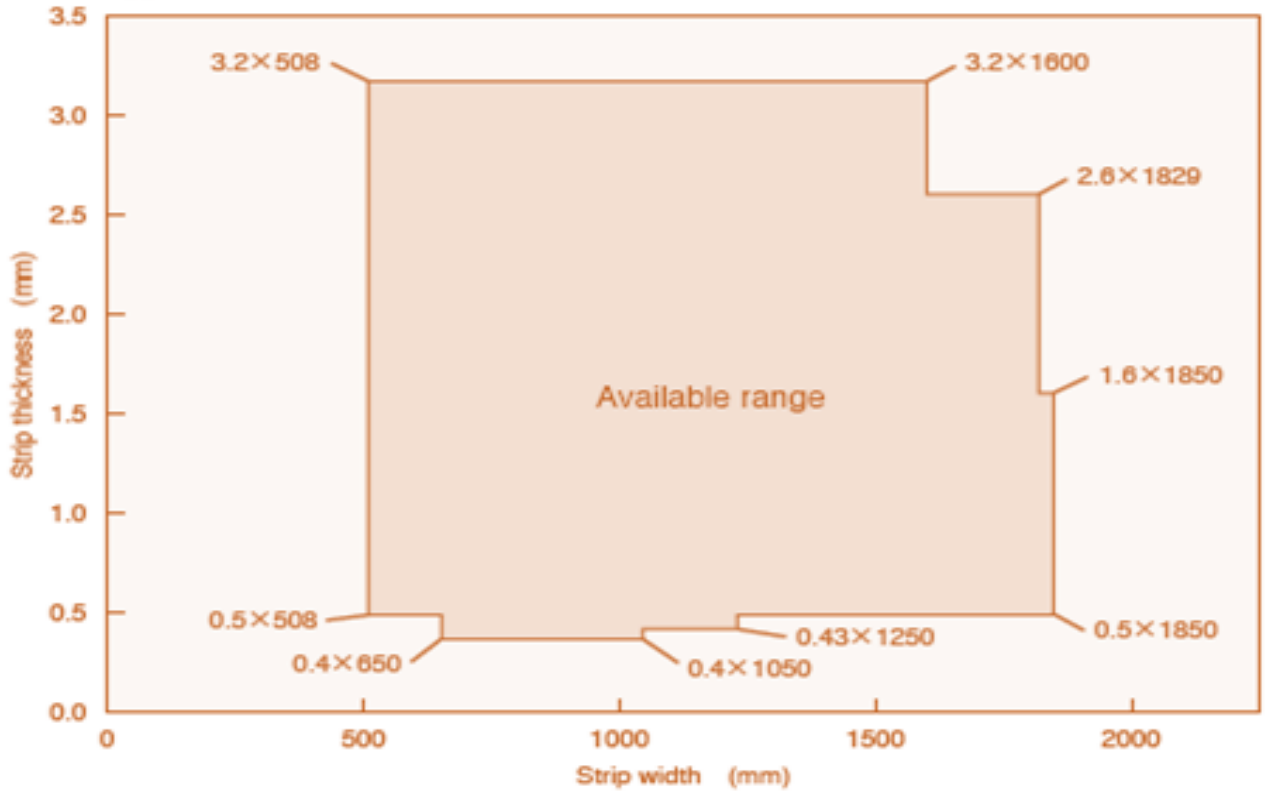
Automobile Door Panel

Automobile Front Fender

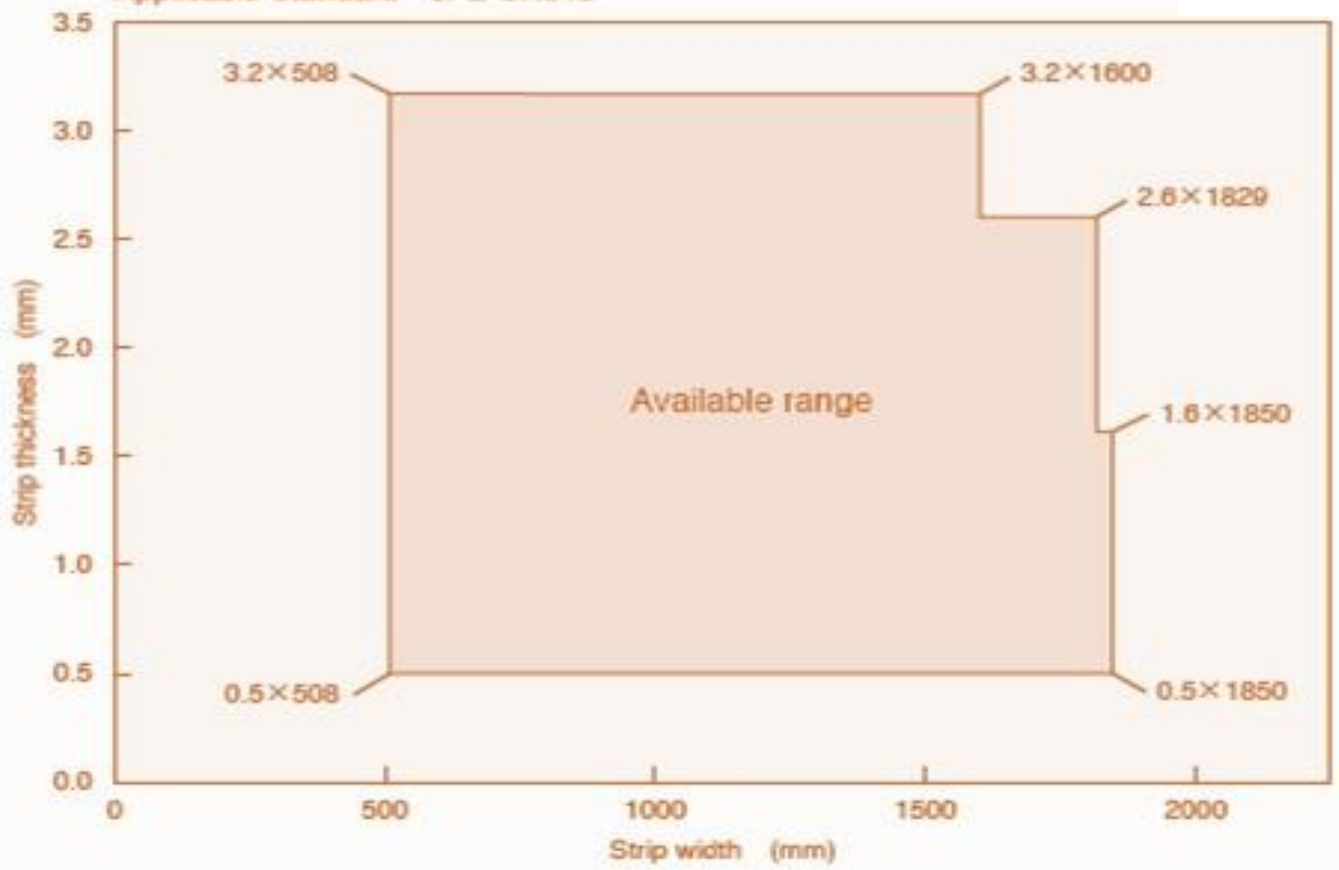
❖ Available Sizes and Specifications

- Available Size

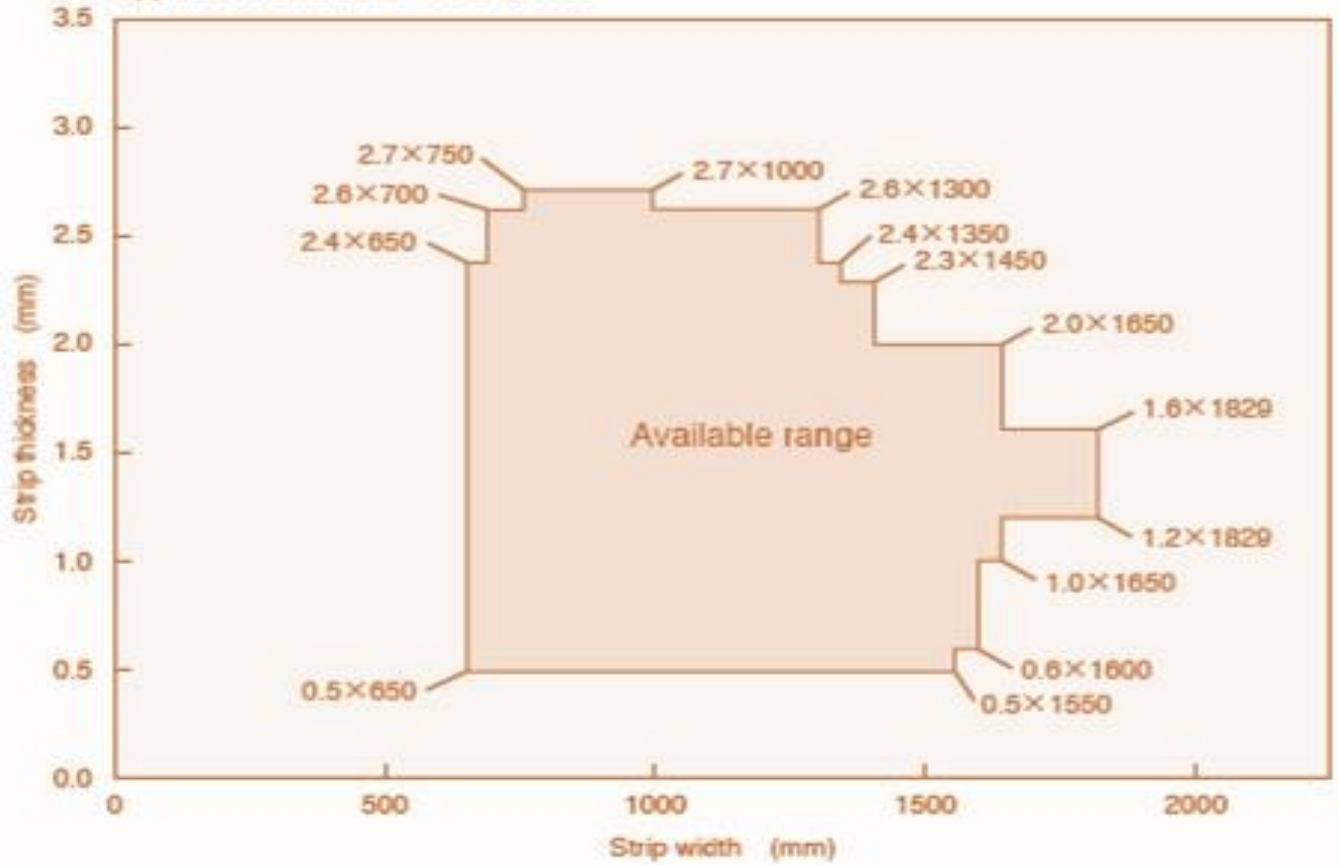




Applicable Standard : JFE-CA340



Applicable Standard : JFE-CA440



- Thickness Tolerance:

Thickness \ Width	< 630	630 ≤ < 1000	1000 ≤ < 1250	1250 ≤ < 1600	1600 ≤
0.25 >	±0.03	±0.03	±0.03	—	—
0.25 ≤ , < 0.40	±0.04	±0.04	±0.04	—	—
0.40 ≤ , < 0.60	±0.05	±0.05	±0.05	±0.06	—
0.60 ≤ , < 0.80	±0.06	±0.06	±0.06	±0.06	±0.07
0.80 ≤ , < 1.00	±0.06	±0.06	±0.07	±0.08	±0.09
1.00 ≤ , < 1.25	±0.07	±0.07	±0.08	±0.09	±0.11
1.25 ≤ , < 1.60	±0.08	±0.09	±0.10	±0.11	±0.13
1.60 ≤ , < 2.00	±0.10	±0.11	±0.12	±0.13	±0.15
2.00 ≤ , < 2.50	±0.12	±0.13	±0.14	±0.15	±0.17
2.50 ≤ , < 3.15	±0.14	±0.15	±0.16	±0.17	±0.20
3.15 ≤	±0.16	±0.17	±0.19	±0.20	—

- Mechanical Properties:

Classification	Tensile Test												Mean r-value min.		BH Value min. (N/mm²)	Hole Expanding Ratio min.λ (%)
	Yield Point min. (N/mm²)			Tensile Strength min. (N/mm²)	Elongation min. (%)											
	Thickness mm				Thickness mm								Thickness mm			
	0.4 ≤ < 0.8	0.8 ≤ < 1.0	1.0 ≤ ≤ 3.2		0.4 ≤ < 0.6	0.6 ≤ < 0.8	0.8 ≤ < 1.0	1.0 ≤ < 1.2	1.2 ≤ < 1.6	1.6 ≤ < 2.0	2.0 ≤ < 2.5	2.5 ≤ ≤ 3.2	0.5 ≤ ≤ 1.0	1.0 < ≤ 1.6		
High stretch flange formability quality	320	310	300	440	—	24	25	26	27	28			—	—	—	80
High stretch flange formability quality	430	420	410	590	—	17		18				—	—	—	—	60
High stretch flange formability quality	—	—	500	780	—	—	—	(14)				—	—	—	—	50
High stretch flange formability quality	—	—	630	980	—	—	—	(10)				—	—	—	—	40
High stretch flange formability quality	—	—	875	1180	—	—	—	(7)				—	—	—	—	40
Low yield ratio quality type 1	235	225	215	440	—	29	30	31	32	33			—	—	—	—
Low yield ratio quality type 1	—	315	305	590	—	—	21	23	23	24			—	—	—	—
Low yield ratio quality type 1	—	—	400	780	—	—	—	14	15	16		—	—	—	—	—
Low yield ratio quality type 1	—	—	530	980	—	—	—	10	11	—	—	—	—	—	—	—
Low yield ratio quality type 1	—	—	710	1180	—	—	—	—	7	—	—	—	—	—	—	—
Low yield ratio quality type 2	325	315	305	590	—	22	23	24	25	26			—	—	—	—
Low yield ratio quality type 2	—	—	360	780	—	—	—	19	20	21		—	—	—	—	—
Low yield ratio quality type 2	—	—	530	980	—	—	—	12	13	14		—	—	—	—	—
Low yield ratio quality type 2	—	—	710	1180	—	—	—	8	9	10		—	—	—	—	—
High elongation quality type (Retained austenite)	355			590	—	27	28	29	30	31			—	—	—	—
High elongation quality type (Retained austenite)	—	—	400	780	—	—	—	23	24	25			—	—	—	—

- Surface Finishes

Classification	Designation	Characteristics
Dull Finish	SD	Finished with rough (dull) surface rolls which are processed mechanically or chemically. Dull surface products are widely used to improve pressing performance by ensuring even distribution of press oil and to improve paint adhesion.
Bright finish	SB	Finished with smoothly polished rolls. Bright products are suitable for application which require attractive lustre, such as metallic coated surfaces and for lightly painted surfaces.