Cold-rolled steel



We are a credible Provider of **CR Coils** in Pohang, Korea. Our Coils are manufactured using the latest technology ensuring high tensile strength and perfect finishing. We make use of premium metal to manufacture them so as to provide perfect finishing and paint ability. The Product that we offer has wide applications in automobile, electrical, furniture and many other industries. Our Coils are reasonably priced.

1. CR-Coil Introduce

Cold-rolled steel is currently applied to various fields including automobiles, electric household appliances, furniture and office equipment.

In particular, as the sophistication of our economy accelerates, cold rolled sheet has become a necessity in today's society.

POSCO's cold-rolled steel products have clean surface and excellent drawability. They are also characterized by their superior formality and paintability. We at POSCO are making every effort to satisfy our customers through top quality production and sales management and continued improvement in our production system toward an environmental friendly steel industry.

2. Properties

1) Cold-Rolled Steel

Classification	Standard	Characteristics	Usage		
Class 1	CSP 1 CSP 1D	 Refrigerator doors Drums/ Furniture 			
Class 2	CSP 2	- Used for fabricating parts which require drawability	- Automobile oil pans		
Class 3	CSP 3	 Used for deep drawing parts which require more drawability than CSP 2 	- Roofs, fenders and hoods of automobiles		
	CSP 3N	 Known for non-aging deep-drawing quality, which guarantees consistent steel properties even after a long period of time 			
	CSP 3E	- Used for automobile parts which require more drawability than CSP 3N	Quarters and springhouses of automobiles		
	CSP 3X	- Used for automobile parts which require more drawability than CSP 3E	- Car side panels Motorcycle fuel tanks		

2) Structural & Hard Quality Cold-Rolled Steel

Classification	Standard	Characteristics	Usage	
Structural Quality	CSP 30 CSP 32 CSP 34 CSP 37 CSP 37P CSP 58	- Used in structural materials which do not need drawability but need strength (The minimum value of tensile strength is guaranteed.)	- Structural materials for construction	
Hard Quality	CSP 1-H CSP 1-2H CSP 1-4H CSP 1-4H CSP 1-8H - When customer makes a request, strip hardness is guaranteed		- Coated pipes, motor core	

3) Cold-Rolled Steel for Porcelain Enameling

Classification	Standard	Characteristics	Usage
Porcelain Enameling	CESP 2-C CESP 2-D CESP 2-P	 Manufactured with extremely low carbon steel to which titanium and boron are added. Therefore, this steel has excellent drawability and the characteristics that ensure the best a dhesion for porcelain enameling and the elimination of fish scales and pin holes. 	WashersBathtubsGas ovensKitchenwareExterior materials for construction

4) High Strength Steel

Classification	Standard	Characteristics	Usage	
Commercial Quality	CHSP 45C CHSP 60C	 Adding hardening elements, such as Nb, Cr and V, to low carbon steel enhances its strength and yield point. It has excellent crack resistance and is used for structural purposes where strength is needed. 	 Seats, rail levers and parking brakes of automobiles 	
Drawing	CHSP 35R CHSP 40R *CHSP 45R	 This is high strength steel with solid solution hardening elements, such as phosphate. It is used in automobile panels for its increased strength. 	- Center floors and brackets of automobiles	
Deep Drawing	CHSP 35E CHSP 40E CHSP 45E	 This is ultra-low carbon steel with special elements added. It has a high elongation rate and is used in deep drawing parts of automobile outer panels. 	- Outer panels, such as fenders and hoods	
Low Yield Ratio	*CHSP 35EB	 In constant temperature, the steel forms a ferrite matrix grain and has a lower yield strength ratio than that of high strength steel. It is used as a strength enhancing material 		
Bake Hardening	*CHSP 60DP CHSP80TR CHSP 100DP	 It has a lower yield ratio compared with solid solution hardening steel. Therefore it is used as a strength-enhancing material which requires drawability. By baking after press forming, the yield strength of the steel is heightened and its dent-resistance is improved. The formability is the same as CHSP 35E 	- Doors and bumpers of automobiles	

Remark: *Specifications with an asterisk require prior negotiation

• Standard Specification

Use		Standard				Tensile strength	(Elongation%)
		POSCO	KS	JIS	ASTM	(KGF/mm [*])	(,
For gen	For general use		SCP1	SPCC	A366	28	32-37
For pro	For processing		SCP2	SPCD	A619	28	36-41
For trepanning (non aging)		CSP3	SCP3	SPCE	A620	28	36-43
For extra deep drawing		CSP3E	_	_	_	28	44-50
Structural purpose		CSP30,32,34,37 , 58	-	_	A611-A,B,C, D1,D2,E	30-58	26-20
For enameled steel		ENACO ATIP1.2D	SPP	SPP	A424-1	28	29-17
High-tension steel	General use	CHSP45C,50C, 60C	SPFC35, 40,45,50,60	SPFC340, 390,440,590	_	45-60	29-17
	Processing	CHSP35R,40R, 45R				35-45	39-27
	Trepanning	CHSP35E,38E, 40E	_	_	_	35-40	37–31
F/H			SCP1-H ½H	SACC-1,2			