

Cold Rolled Steel Strip 0.035 to 0.8 mm

SPCC SPCD and SPCE rolled from 0.035 mm for stamping drawing and converting



Specification Sheet

Product Name	Cold Rolled Steel Coil (0.035 mm to 0.8 mm)
Grade	SPCC, SPCD, SPCE or other grade specified by the customer
Thickness	0.035 mm to 0.8 mm
Width	50 mm to 520 mm
Finish and Roughness	Per customer requirement
Standards	GB, DIN, BS, JIS, ASTM
Production Time	15 days or more depending on quantity and specification
MOQ	1000 kg
Packing	Per customer requirement

Description

Cold rolled steel foil and coil covers carbon steel strip from 0.035 mm to 0.8 mm in widths from 50 mm to 520 mm. The grades are SPCC for general stamping, SPCD for drawing and SPCE for deep drawing, or another grade specified by the customer against GB, DIN, BS, JIS or ASTM.

At these gauges the practical problem is rarely the chemistry. It is whether the strip stays flat, whether the hardness is the same at the tail of the coil as at the head, and whether the surface is clean enough for the next operation. Yongxin controls those variables with continuous and bell type annealing, a degreasing line, a temper mill and a German stretch bending leveller before the strip reaches the slitting line.

The plant also holds an independently verified product carbon footprint for SPCC cold rolled steel strip, which matters increasingly for buyers who have to report supply chain emissions.

Key Benefits

Down to 0.035 mm. A gauge band that many general cold rolling lines cannot reach, produced as a routine product.

Deep Drawing Grades in Stock Practice. SPCD and SPCE give the elongation needed for deep drawn shells and housings.

Flatness Set Mechanically. The stretch bending leveller and temper mill set flatness rather than relying on the rolling pass alone.

Clean Degreased Surface. Rolling oil is removed on the degreasing line so plating, painting and adhesive bonding behave predictably.

Verified Carbon Footprint. The SPCC product carbon footprint is verified to PAS 2050 and ISO 14067 at 6296.195 kg CO₂e per tonne, cradle to gate.

Slit to Your Width. Slitting lines cut to the ordered width and edge condition so you do not pay for trimming twice.

Typical Users

Stamping plants making brackets, clips, shields and enclosure panels • Deep drawing shops producing shells, cups and housings • Welded tube and profile makers using narrow slit strip • Coating, plating and laminating converters • Appliance and electronics component suppliers • Service centres re slitting to narrower widths

Manufacturing Process

Feedstock checked against the mill certificate • Cold rolling on 4-Hi and 6-Hi 650 mm mills to the ordered gauge • Annealing in the horizontal continuous or bell type furnace • Degreasing to remove rolling oil • Temper rolling and stretch bending levelling • Slitting to ordered width and edge condition • Laboratory release on chemistry, hardness, tensile and surface • Wrapping, strapping, marking and export packing

Quality Control

Chemistry is confirmed in the plant chemical analysis laboratory. Yield strength, tensile strength and elongation are measured on the tensile testing machine and hardness on the hardness tester. Dimensions are checked on the optical projector and corrosion behaviour in the salt spray chamber where the specification requires it. A mill test certificate is issued against the standard the customer nominates.

Ordering Notes

MOQ 1000 kg per specification. Production time 15 days or more depending on quantity and specification. Packing per customer requirement. All specifications can be adjusted per the customer requirement.