

Super Thin Stainless Steel Strip 0.05 to 1.0 mm

SUS304 SUS301 316L and SUS430 rolled from 0.05 mm in soft and hard temper



Specification Sheet

Product Name	Super thin stainless strips (0.05 mm to 1.0 mm)
Grade	SUS304, SUS301, 316L, SUS430 or other grade specified by the customer
Thickness	0.05 mm to 1.0 mm
Width	10 mm to 610 mm
Temper	ANN, 1/4H, 1/2H, 3/4H, FH, EH
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

Ultra thin stainless steel foil and coil covers the gauges where ordinary service centre material stops being reliable. Below roughly 0.2 mm a small drift in thickness or hardness changes how the strip springs back, how a die wears and whether a weld or a laser cut behaves. Yongxin rolls this band as a routine product rather than as an exception.

The strip is supplied in SUS304, SUS301, 316L and SUS430 as standard, and in other grades when the customer specifies them. Thickness runs from 0.05 mm to 1.0 mm and width from 10 mm to 610 mm, which covers narrow slit ribbon for contacts as well as wide strip for shields and enclosures. Temper is available across ANN, 1/4H, 1/2H, 3/4H, FH and EH so the same grade can be ordered soft for deep forming or hard for spring behaviour.

Surface finish and roughness are made to the customer requirement. If you cannot describe the finish in words, send a control sample chip and we will roll a sample to match it and send that sample to you for approval before bulk production starts.

Key Benefits

Thin Gauge Held Across the Coil. Rolling, levelling and slitting sit on one site, so thickness and flatness are corrected in process instead of being sorted afterwards.

Temper Chosen for Your Forming Step. ANN through EH lets you set springback and hardness without changing grade, which keeps corrosion behaviour constant.

Surface Matched to a Sample. Roughness and grain can be specified in numbers or matched to a control chip you send us.

Grade Cross Reference Handled. Our sales desk works in GB, DIN, BS, JIS and ASTM, so a local designation is translated before the order is written.

Approval Sample Before Bulk. A production sample is made and sent for approval, so the first container is not the first time you see the material.

Big Coil Weight. Larger coil weight means fewer joins and fewer stoppages on a progressive press or a slitting line.

Typical Users

Stamping and progressive die shops making contacts, springs, clips and shields • Battery pack builders needing thin stainless for cases, tabs and structural parts • Medical device makers producing blades, cannula components and surgical instrument parts • Electronics and semiconductor suppliers needing clean thin stainless for shielding and carriers • Textile machinery builders needing wear resistant thin strip • Converters and service centres slitting to narrower ribbon for their own customers

Manufacturing Process

Certified feedstock is checked against the mill certificate • Cold rolling on 4-Hi 650 mm COSMEC and 20-Hi 650 mm Sendzimir mills • Annealing in the horizontal continuous furnace or bell type furnace • Degreasing to remove rolling oil • Temper rolling and stretch bending levelling to set hardness and flatness • 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.