



ENGINEERED • MATCHED • DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

TECHNICAL SPECIFICATION

SMALL RADIUS SPIRAL FREEZER BELT

Reference specifications and customizable
configurations

REVIEW V2 • JBL-SR-TS • 2026-09-21



Small Radius Spiral Freezer Belt - Reference specification overview

Parameter	Reference options
Material	SUS304 / SUS316
Spiral Pitch	5-23 mm (0.197-0.906 in)
Rod Pitch Pairs*	19.05 x 27.4 mm (0.750 x 1.079 in) / 27.4 x 38.1 mm (1.079 x 1.500 in)
Rod Diameter	5.0 mm (0.197 in)
Spiral Wire Diameter	1.2 mm (0.047 in) / 1.4 mm (0.055 in) / 1.5 mm (0.059 in) / 1.6 mm (0.063 in) / 1.7 mm (0.067 in) / 1.8 mm (0.071 in)
Belt Width	300-1200 mm (11.81-47.24 in); custom widths
Belt Length	Custom (m or ft)
Turn-Ratio Coefficient*	1.1 (reference; definition to be confirmed)
Surface Treatment	Pickling / Electropolishing
Edge Treatment	Button Welded / Flat-Hat Welded / Rod Welded
Sprockets	Supply optional; matched to the project drawing

* Pitch pairs: inner/middle x outer. Confirm the 1.1 turn-ratio definition and applicable structures and combinations. Final specifications follow the project drawing. Inch values are rounded references. Final dimensions and tolerances follow the approved project drawing.

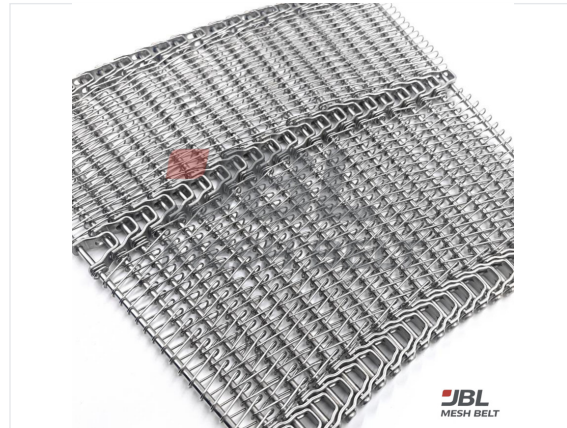
CUSTOM SPECIFICATIONS

**All specifications
can be customized.**

Dimensions, materials, pitch pairs and edge details can be tailored to your equipment and operating requirements.

**Send us your drawing, photos
or required dimensions.**

PRODUCT CONFIGURATIONS & APPLICATIONS



SPIRAL FREEZING



Spiral freezing, rapid-freezing and continuous freezing applications.

CONTINUOUS COOLING



Continuous cooling conveyors, with belt selection matched to operating conditions.

Custom specifications are available to suit your equipment and application requirements.

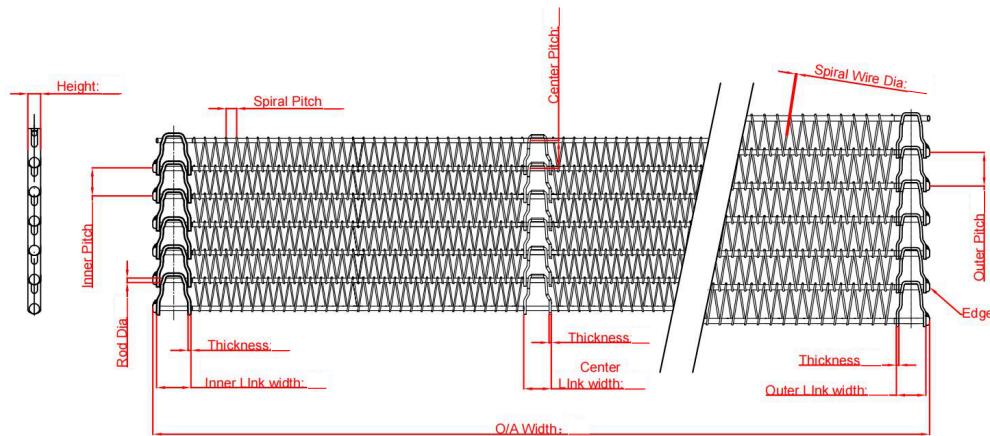
Share your belt photos, drawings or operating conditions with JBL Mesh Belt for review.

Application suitability depends on belt configuration, materials and operating conditions.

REVIEW V2 • 03 / 13

Reference specifications. All specifications can be customized.

Belt Type	Small Radius Spiral Freezer Belt
Material	SUS304 / SUS316
Spiral Pitch	5-23 mm (0.197-0.906 in)
Rod Pitch Pairs*	19.05 x 27.4 mm (0.750 x 1.079 in) / 27.4 x 38.1 mm (1.079 x 1.500 in)
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Belt Width	300-1200 mm (11.81-47.24 in); custom widths
Belt Length	Custom (m or ft)
Turn-Ratio Coefficient*	1.1 (reference; definition to be confirmed)
Surface Treatment	Pickling / Electropolishing
Edge Treatment	Button Welded / Flat-Hat Welded / Rod Welded
Sprockets	Supply optional; material, tooth count, bore and keyway follow the project drawing

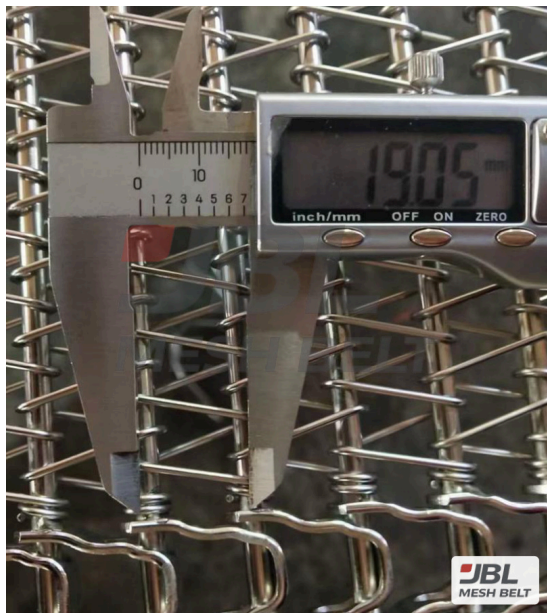


Please provide your equipment or belt drawing to confirm dimensions.
Dia = diameter; O/A Width = overall width.

* Pitch pairs: inner/middle x outer. Confirm the turn-ratio formula, radius reference and belt-width definition.

Reference ranges and combinations are structure-specific and require project confirmation.

JBL MESH BELT SPEC 02 SPIRAL BELT PITCH OPTIONS



Inner / Middle: 19.05 mm (0.750 in) | Outer: 27.4 mm (1.079 in)

JBL MESH BELT SPEC 02 SPIRAL BELT PITCH OPTIONS

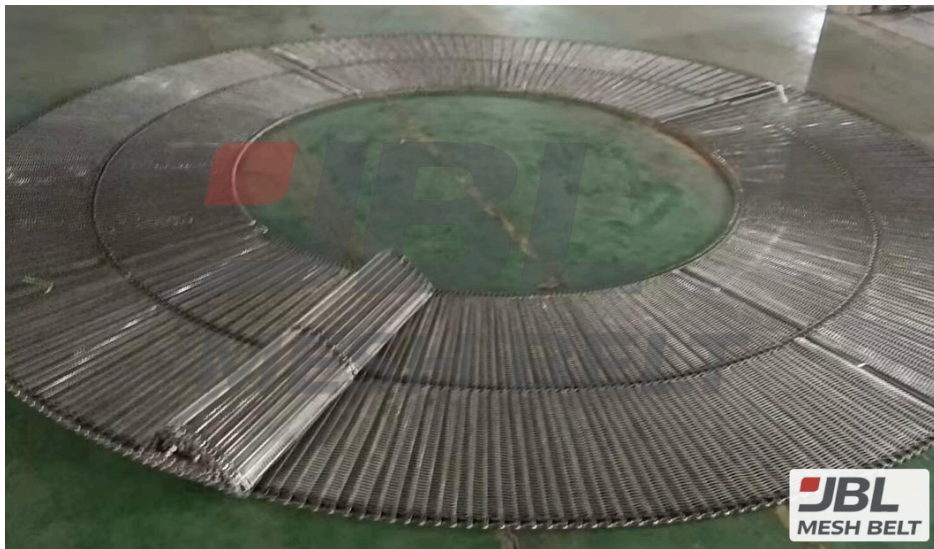


Inner / Middle: 27.4 mm (1.079 in) | Outer: 38.1 mm (1.500 in)



Pitch: 19.05 x 27.4 mm (0.750 x 1.079 in) | Width: 660 mm (25.98 in) | Turn ratio: 1.1*

* Reference example. Confirm the ratio formula, radius reference, belt-width definition and operating conditions.



Pitch: 27.4 x 38.1 mm (1.079 x 1.500 in) | Width: 1067 mm (42.01 in) | Turn ratio: 1.1*

* Reference example. Confirm the ratio formula, radius reference, belt-width definition and operating conditions.



Button Welded

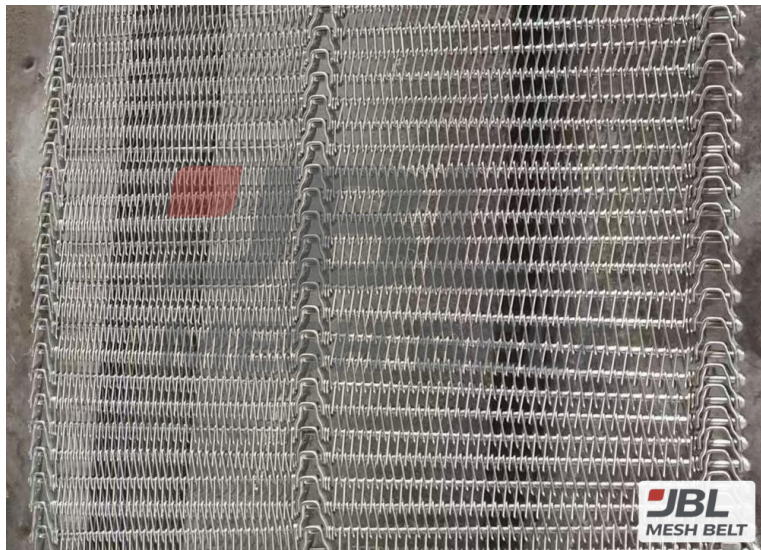


Flat-Hat Welded



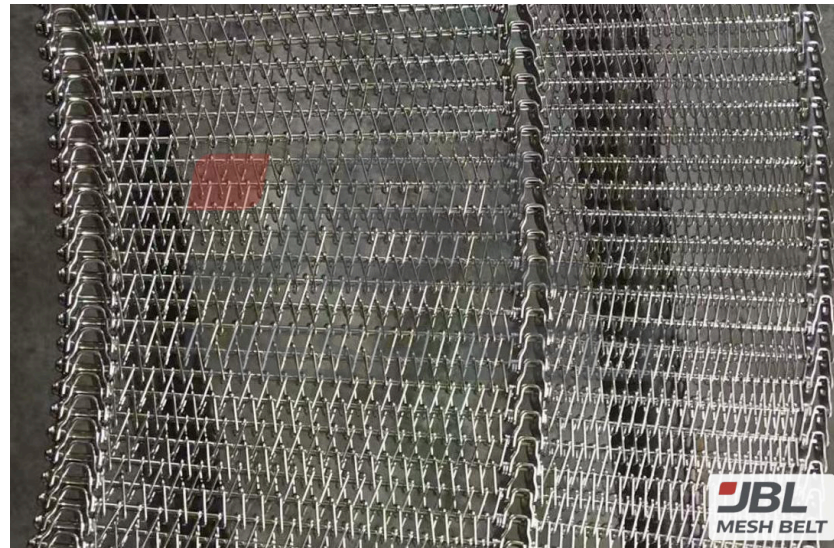
Rod Welded

Confirm edge geometry, link dimensions and welding details against the project drawing.



Pickling

Removes heat tint and surface scale.



Electropolishing

Improves smoothness, cleanability and corrosion resistance.



SUS304 / SUS316

Confirm pitch, tooth profile, tooth count, material, bore, keyway and mounting details against the project drawing.



Nylon / UHMWPE / POM

Confirm pitch, tooth profile, tooth count, material, bore, keyway and mounting details against the project drawing.



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START A PROJECT WITH JBL

Engineering-Controlled Metal Conveyor Belt Partner
Small Radius Spiral Freezer Belt · Custom Configurations

Engineered · Matched · Delivered

Send your drawing, belt photos or required dimensions.

WHY BUYERS CAN TRUST JBL

PROJECT

EXPERIENCE

Specifications from customer projects

CUSTOM

SPECIFICATIONS

Tailored to your equipment and application

TECHNICAL SUPPORT

Application Review

Drawings, dimensions and operating conditions

Specification Alignment

Belt, edge configuration and sprocket matching

Project Follow-up

Specification confirmation and order follow-up

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