



ENGINEERED • MATCHED • DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

TECHNICAL SPECIFICATION SPIRAL FREEZER BELT

Reference specifications and customizable
configurations



Spiral Freezer Belt — Reference specification overview

Parameter	Reference specifications - mm (in)
Material	SUS304 / SUS316
Spiral Pitch	5-23 mm (0.197-0.906 in)
Rod Pitch	19.05 mm (0.750 in) / 25.4 mm (1.000 in) / 27 mm (1.063 in) 27.4 mm (1.079 in) / 38.1 mm (1.500 in) / 40 mm (1.575 in)
Rod Diameter	5.0 mm (0.197 in) / 6.0 mm (0.236 in) Custom sizes available
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	300-2900 mm (11.81-114.17 in)
Turn Ratio	1.15–2.5

Ranges summarize reference specifications. Final dimensions and combinations follow the confirmed project drawing.

Inch values are rounded conversions for reference. Final dimensions and tolerances follow the approved project drawing.

CUSTOM SPECIFICATIONS

**All specifications
can be customized.**

Dimensions, materials, edges
and accessories can be tailored
to your equipment and
operating requirements.

**Send your drawing, photos or
dimensions in mm or inches.**

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.

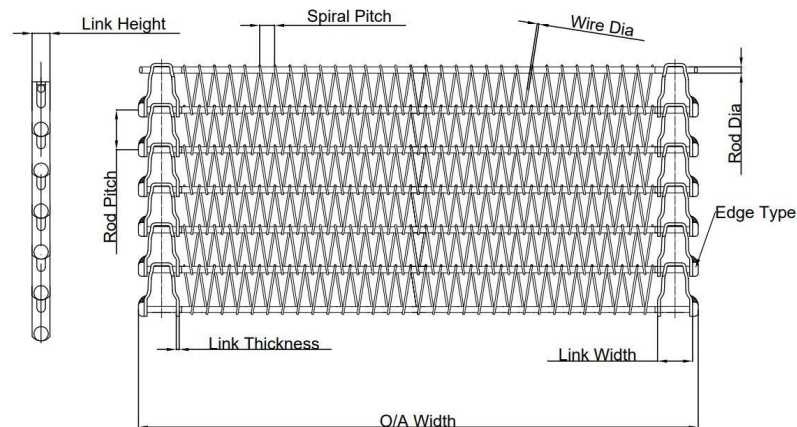
Share your belt photos, drawings or operating conditions with JBL Mesh Belt for review.

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



Reference specifications from customer projects. All specifications can be customized.

Belt Type	Spiral Freezer Belt
Material	SUS304 / SUS316
Spiral Pitch	5-23 mm (0.197-0.906 in)
Rod Pitch	19.05 mm (0.750 in) / 25.4 mm (1.000 in) / 27 mm (1.063 in) 27.4 mm (1.079 in) / 38.1 mm (1.500 in) / 40 mm (1.575 in)
Rod Diameter	5.0 mm (0.197 in) / 6.0 mm (0.236 in) / Custom
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	300-2900 mm (11.81-114.17 in) / Custom
Belt Length	Custom length - specify in m or ft
Turn Ratio	1.15-2.5
Surface Treatment	Pickling / Electropolishing
Edge Treatment	Button Welded / Flat-Hat Welded / Rod Welded / Button Cap Welded / Clinched
Accessories	None / Side Plate / Reinforced Piece / Triangular Spiral / Center Plate / Center Link
Sprockets	Required / not required; material, teeth, bore and keyway to confirm



Drawing labels: Wire Dia = Spiral Wire Diameter; Rod Dia = Rod Diameter; O/A Width = Overall Width.

Inch values are rounded conversions for reference. Final dimensions and tolerances follow the approved project drawing.

JBL MESH BELT SPEC 02 ROD PITCH OPTIONS

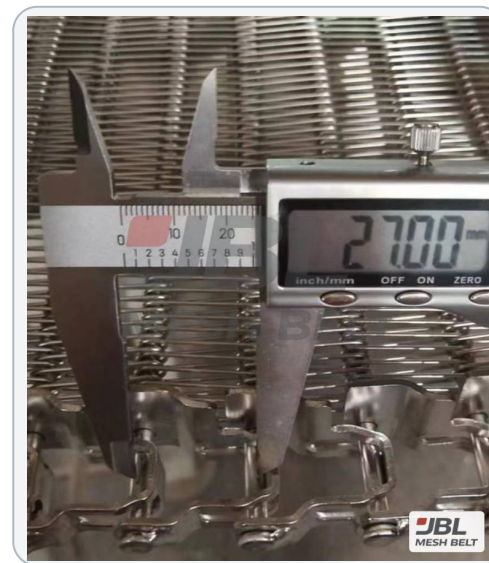
Rod pitch and spiral geometry are engineered together for product support, airflow and turning performance.



19.05 mm (0.750 in)



25.4 mm (1.000 in)



27 mm (1.063 in)

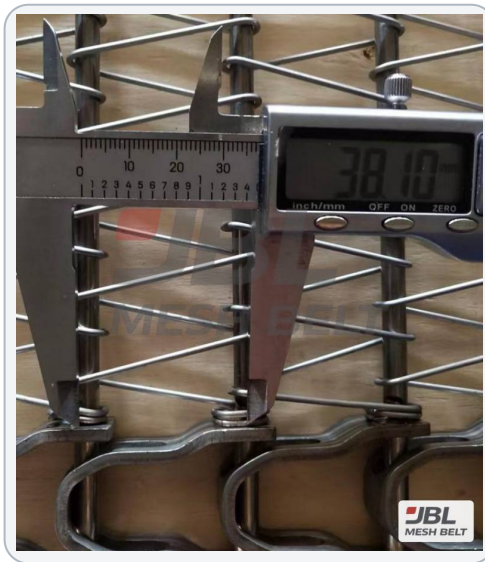
Final selection is subject to product load, drum geometry, turn ratio and matching sprocket design.

JBL MESH BELT SPEC 02 ROD PITCH OPTIONS

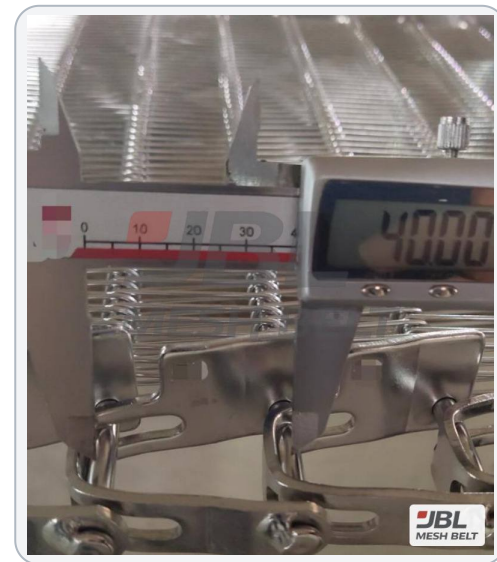
Rod pitch and spiral geometry are engineered together for product support, airflow and turning performance.



27.4 mm (1.079 in)



38.1 mm (1.500 in)



40 mm (1.575 in)

Final selection is subject to product load, drum geometry, turn ratio and matching sprocket design.



Button Welded



Flat-Hat Welded



Rod Welded



Button Cap Welded



Clinched



Pickling

Removes heat tint and surface scale.



Electropolishing

Improves smoothness, cleanability and corrosion resistance.



Side Plate / Reinforced Piece
Product retention and edge reinforcement



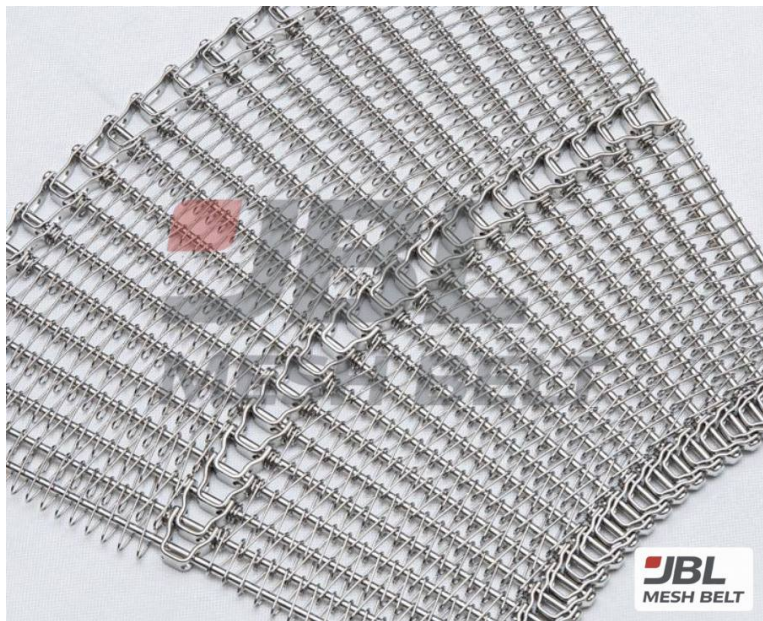
Triangular Spiral



MESH BELT

SPEC 05

SPIRAL FREEZER BELT ACCESSORIES



Center Link

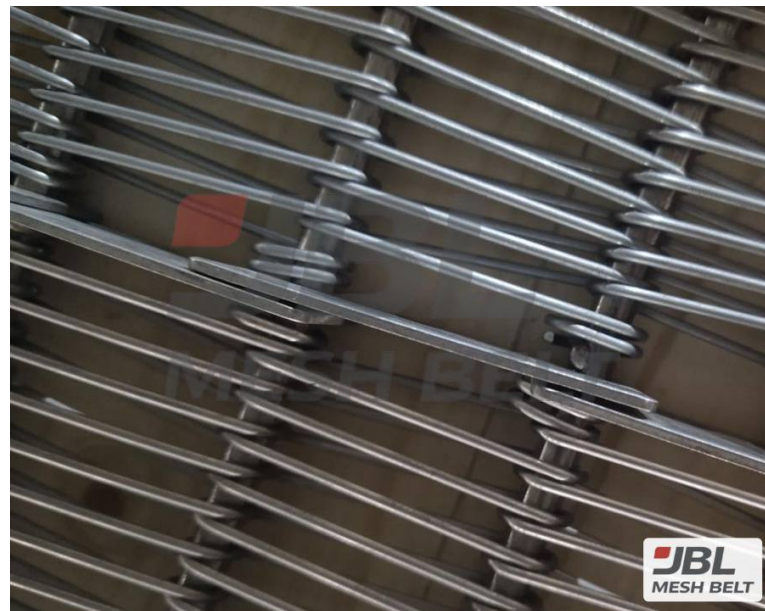
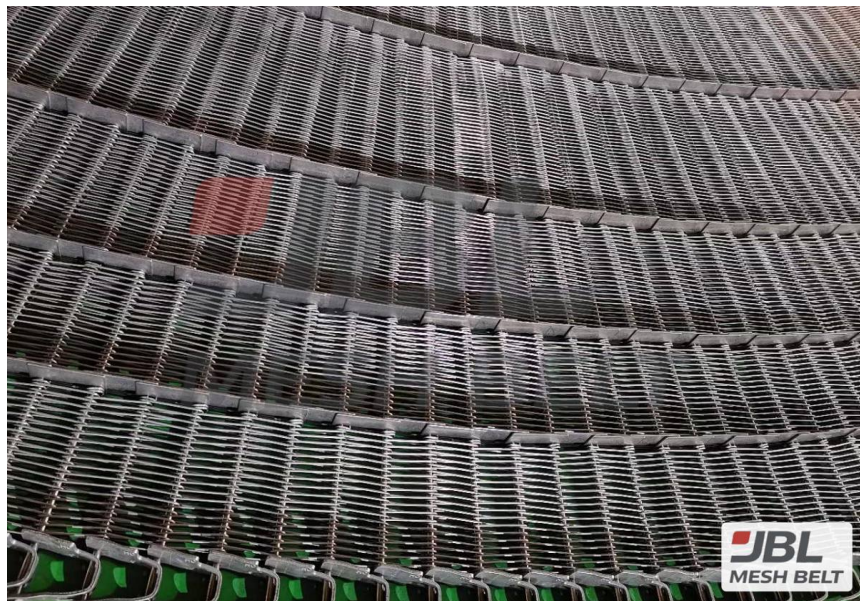
Customized central connection option



MESH BELT

SPEC 05

SPIRAL FREEZER BELT ACCESSORIES



Center Plate

Lane separation and central support



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SUS304 / SUS316



Nylon / UHMWPE / POM



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START A PROJECT WITH JBL

Engineering-Controlled Metal Conveyor Belt Partner
Spiral Freezer Belt · Self-Stacking Belt · Replacement Support

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 and sprocket configuration

Project Follow-up

Specification confirmation and order follow-up

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