JBL MESH BELT

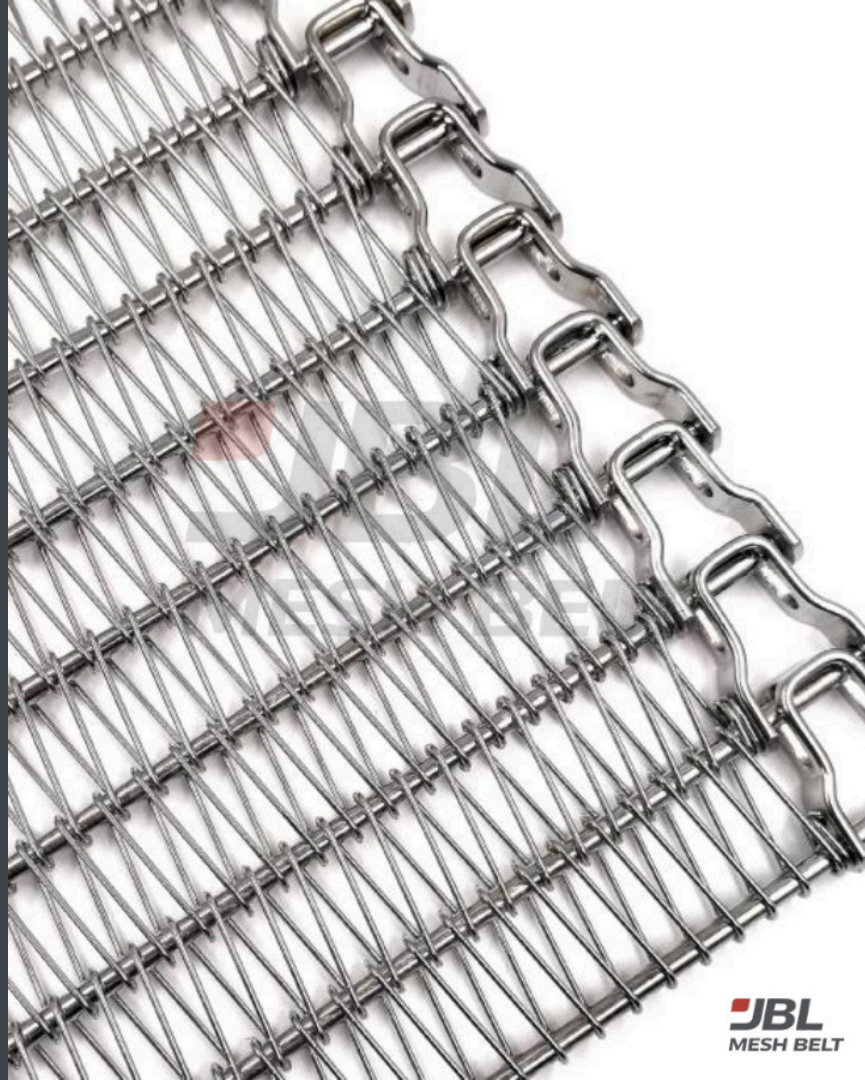
ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

TECHNICAL SPECIFICATION

SPIRAL FREEZER BELT

Reference specifications and customizable configurations



OUR PRODUCT CAPABILITIES

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.

JBL MESH BELT

Spiral Freezer Belt

PRODUCT CONFIGURATIONS & APPLICATIONS







SPIRAL FREEZING

Spiral freezing, rapid-freezing and continuous freezing applications.

CONTINUOUS COOLING

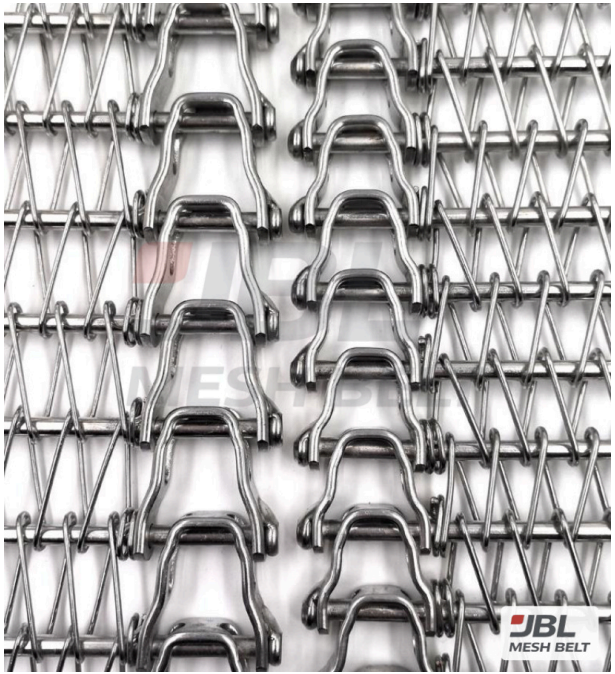
Continuous cooling conveyors, with belt selection matched to operating conditions.

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.

Spiral Freezer Belt



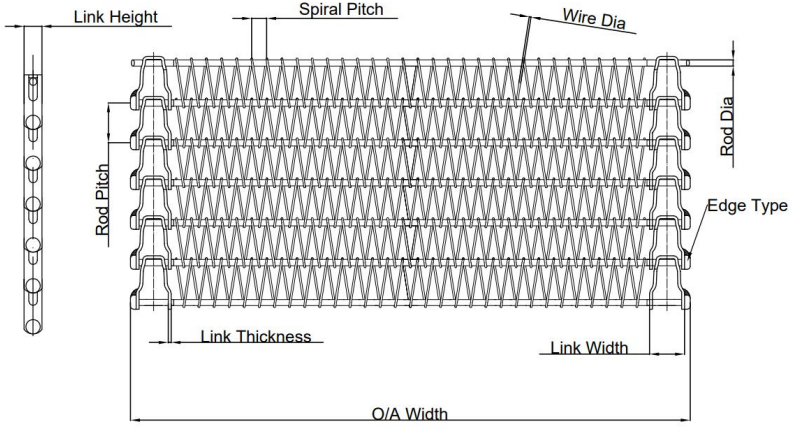




JBL MESH BELT SPEC 01 TECHNICAL SPECIFICATIONS

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.

ROD PITCH OPTIONS

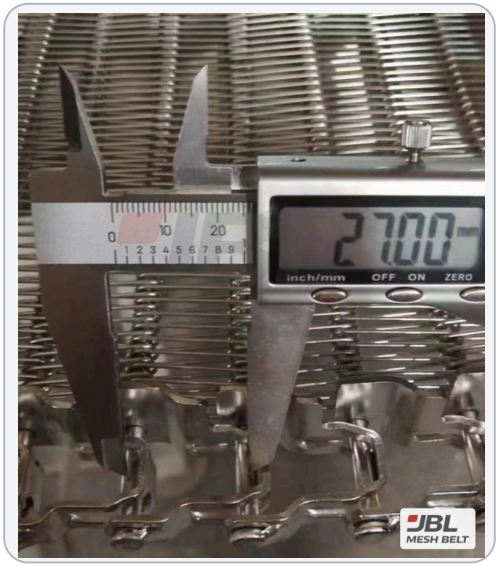
Rod pitch and spiral geometry are engineered together for product support, airflow and turning performance.



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.

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.

EDGE TREATMENT OPTIONS



Button Welded



Flat-Hat Welded



Rod Welded

EDGE TREATMENT OPTIONS



Button Cap Welded



Clinched

SURFACE TREATMENT OPTIONS



Pickling

Removes heat tint and surface scale.



Electropolishing

Improves smoothness, cleanability and corrosion resistance.

SPIRAL FREEZER BELT ACCESSORIES





Side Plate / Reinforced Piece

Product retention and edge reinforcement

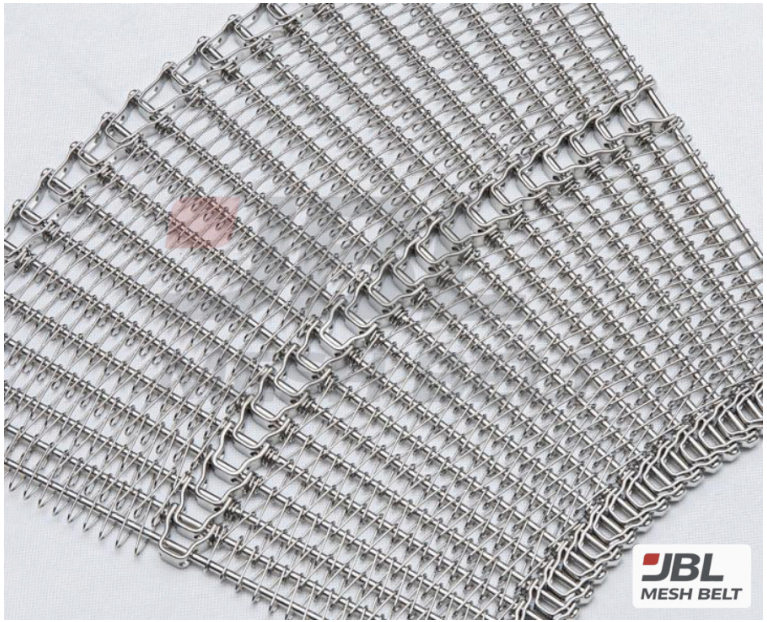
SPIRAL FREEZER BELT ACCESSORIES

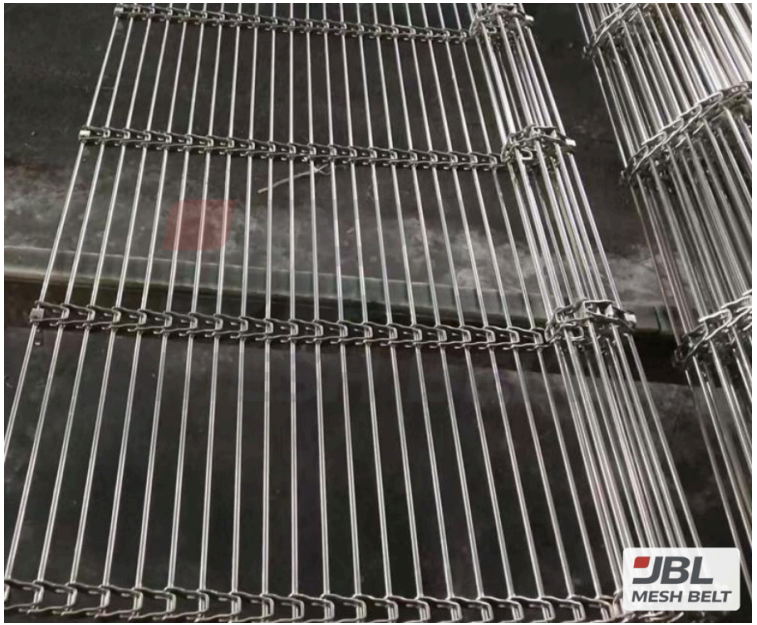




Triangular Spiral

SPIRAL FREEZER BELT ACCESSORIES

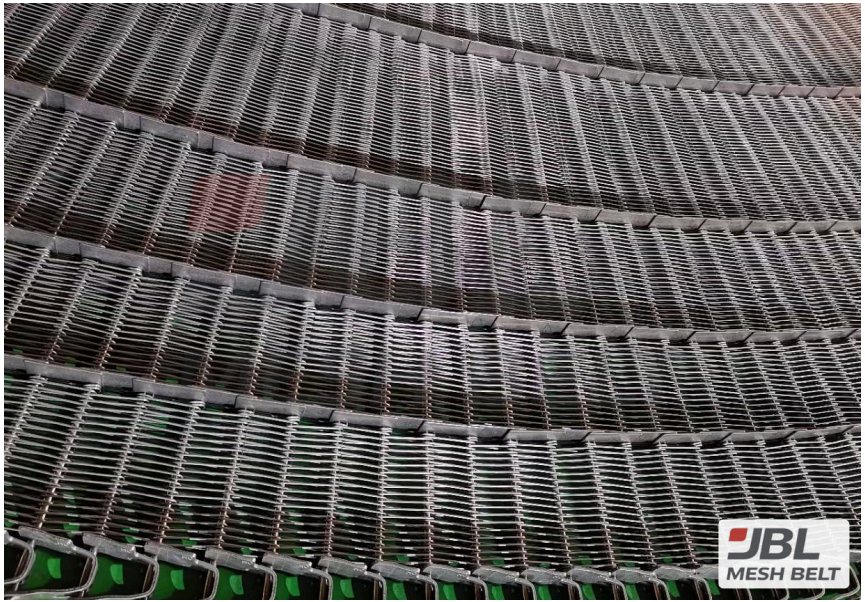




Center Link

Customized central connection option

SPIRAL FREEZER BELT ACCESSORIES





Center Plate

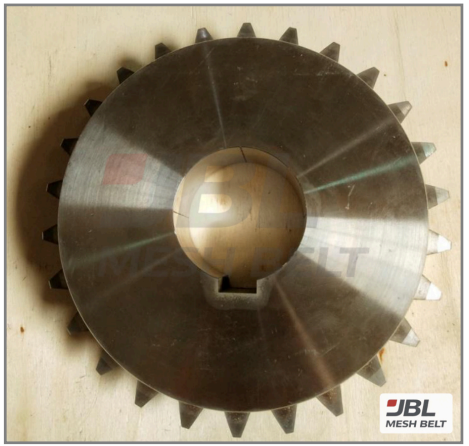
Lane separation and central support

MATCHING SPROCKETS









SUS304 / SUS316

MATCHING SPROCKETS









Nylon / UHMWPE / POM

JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

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**

GET IN TOUCH

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