JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

TECHNICAL SPECIFICATION

SELF-STACKING BELT

Reference specifications and customizable configurations



JBL MESH BELT

OUR PRODUCT CAPABILITIES

Self-Stacking Belt - Reference specification overview

Parameter	Standard	Heavy Duty
Material	SUS304 / SUS316	SUS304 / SUS316
Spiral Pitch	6 mm (0.236 in) / 9 mm (0.354 in) / 13 mm (0.512 in)	6 mm (0.236 in) / 9 mm (0.354 in) / 13 mm (0.512 in)
Rod Pitch	30 mm (1.181 in)	30 mm (1.181 in)
Spiral Wire Diameter	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)	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)
Rod Diameter	5.0 mm (0.197 in)	6.0 mm (0.236 in) / 7.0 mm (0.276 in)
Side Guard Height	60 mm (2.362 in) / 80 mm (3.150 in) / 90 mm (3.543 in) / 100 mm (3.937 in) / 120 mm (4.724 in)	80 mm (3.150 in) / 100 mm (3.937 in) / 150 mm (5.906 in)
Belt Width	420 mm (16.54 in) / 580 mm (22.83 in) / 640 mm (25.20 in) / 660 mm (25.98 in) / 760 mm (29.92 in)	660 mm (25.98 in) / 760 mm (29.92 in) / 1069 mm (42.09 in)
Turn Ratio	1.6 / 1.7	Confirm per project

Reference options are configuration-specific. Final dimensions and combinations follow the confirmed 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, side guards and reinforcement can be tailored to your equipment and operating requirements.

Send us your drawing, photos or required dimensions.

JBL MESH BELT

Self-Stacking Belt

PRODUCT CONFIGURATIONS & APPLICATIONS







STACKING CONVEYORS

Stacking systems requiring accurate tier engagement and product support.

SPACE-SAVING CONVEYING

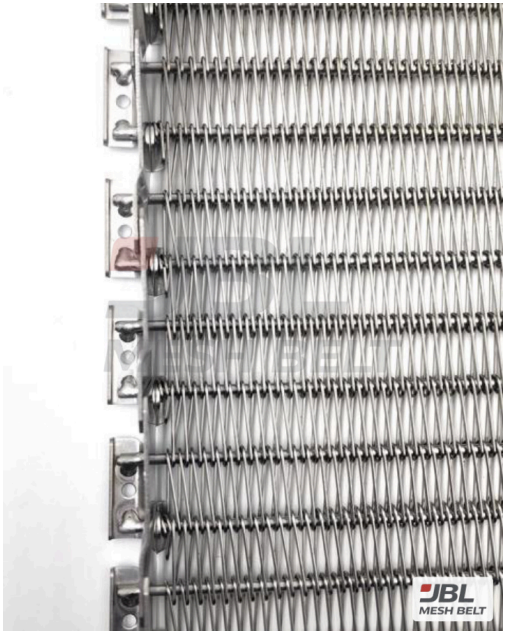
Food and industrial systems using stacked conveying arrangements.

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.

Self-Stacking Belt



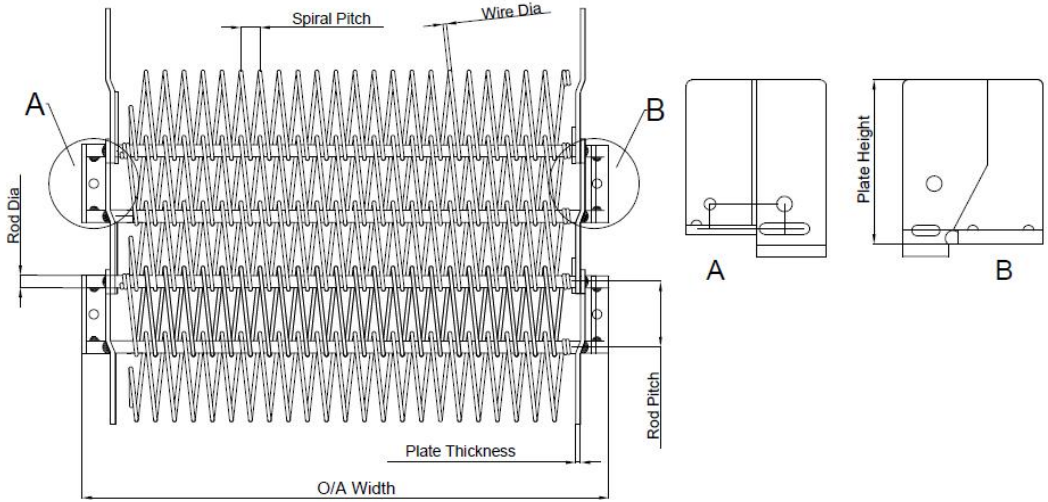




JBL MESH BELT SPEC 01 TECHNICAL SPECIFICATIONS

Reference specifications. All specifications can be customized.

Belt Type	Self-Stacking Belt (Standard)
Material	SUS304 / SUS316
Spiral Pitch	6 mm (0.236 in) / 9 mm (0.354 in) / 13 mm (0.512 in)
Rod Pitch	30 mm (1.181 in)
Spiral Wire Diameter	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)
Rod Diameter	5.0 mm (0.197 in)
Side Guard Thickness	1.5 mm (0.059 in)
Side Guard Height	60 mm (2.362 in) / 80 mm (3.150 in) / 90 mm (3.543 in) / 100 mm (3.937 in) / 120 mm (4.724 in)
Belt Width	420 mm (16.54 in) / 580 mm (22.83 in) / 640 mm (25.20 in) / 660 mm (25.98 in) / 760 mm (29.92 in)
Belt Length	Custom (m or ft)
Turn Ratio	1.6 / 1.7
Surface Treatment	Pickling / Electropolishing



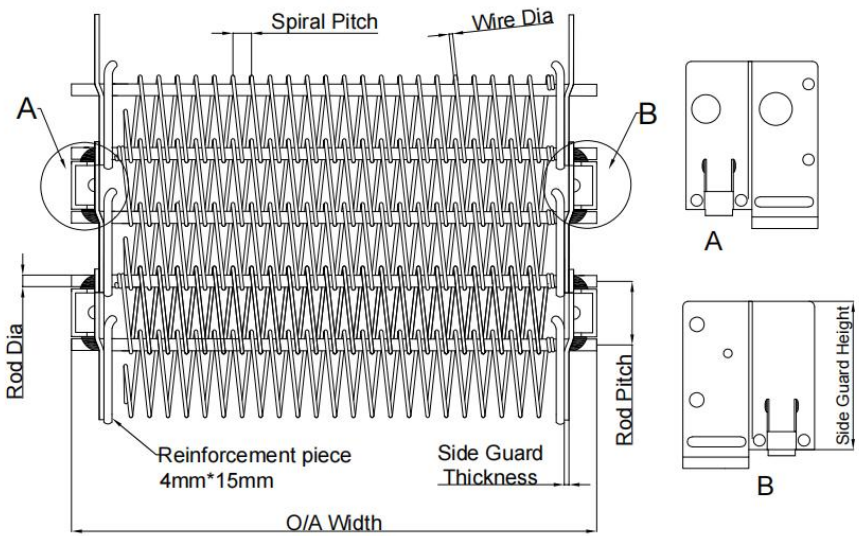
Reference options only. Confirm Turn Ratio definition and applicable structure against the project drawing.

Drawing labels: Dia = Diameter; O/A Width = Overall Width. Plate Height / Thickness = Side Guard Height / Thickness.

TECHNICAL SPECIFICATIONS

Reference specifications. All specifications can be customized.

Belt Type	Self-Stacking Belt (Heavy Duty)
Material	SUS304 / SUS316
Spiral Pitch	6 mm (0.236 in) / 9 mm (0.354 in) / 13 mm (0.512 in)
Rod Pitch	30 mm (1.181 in)
Spiral Wire Diameter	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)
Rod Diameter	6.0 mm (0.236 in) / 7.0 mm (0.276 in)
Side Guard Thickness	1.5 mm (0.059 in)
Side Guard Height	80 mm (3.150 in) / 100 mm (3.937 in) / 150 mm (5.906 in)
Reinforcement Piece	4 x 15 mm (0.157 x 0.591 in) (where specified)
Belt Width	660 mm (25.98 in) / 760 mm (29.92 in) / 1069 mm (42.09 in)
Belt Length	Custom (m or ft)
Surface Treatment	Pickling / Electropolishing



Heavy-duty Turn Ratio and reinforcement selection are confirmed per project.

Drawing labels: Dia = Diameter; O/A Width = Overall Width. Reinforcement piece: 4 x 15 mm (0.157 x 0.591 in) where specified.

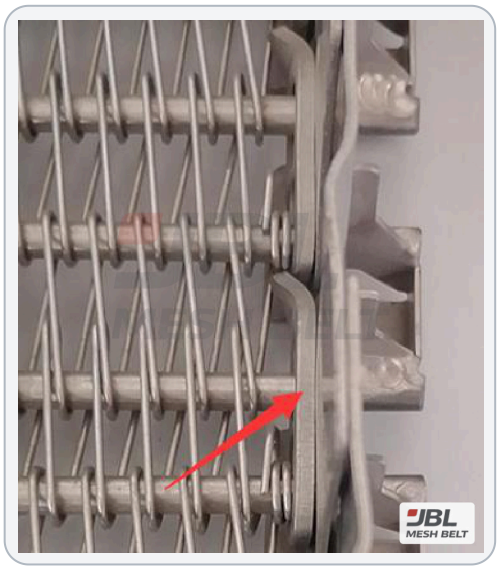
SELF-STACKING BELT STYLE OPTIONS



STANDARD



HEAVY DUTY



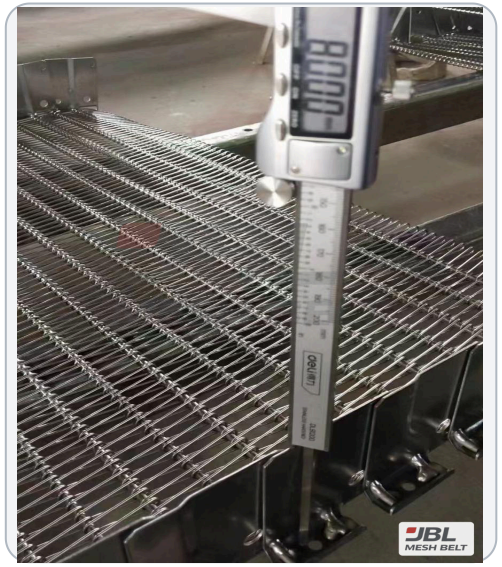
HEAVY DUTY (with reinforcement piece)

Standard, heavy-duty and reinforced configurations follow the confirmed project drawing.

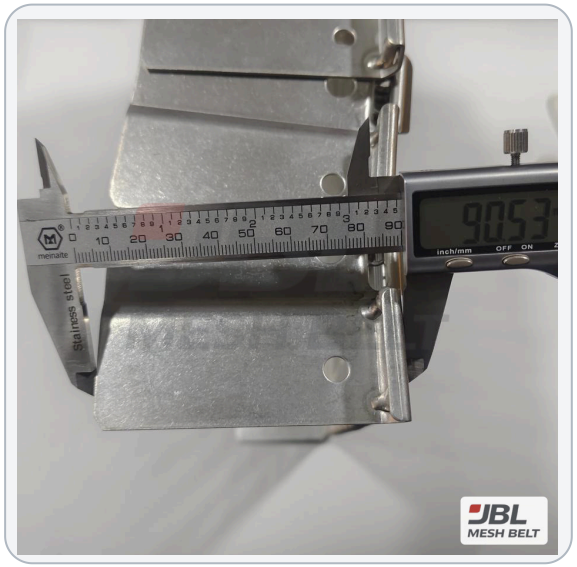
SIDE GUARD HEIGHT OPTIONS



60 mm (2.362 in)



80 mm (3.150 in)



90 mm (3.543 in)

Nominal side guard heights shown. Tolerances and measurement reference surfaces follow the confirmed drawing.

SIDE GUARD HEIGHT OPTIONS



100 mm (3.937 in)



120 mm (4.724 in)



150 mm (5.906 in)

Nominal side guard heights shown. Tolerances and measurement reference surfaces follow the confirmed drawing.

TURN RATIO REFERENCE CONFIGURATIONS



Belt Width: 420 mm (16.54 in) Turn Ratio: 1.6



Belt Width: 420 mm (16.54 in) Turn Ratio: 1.6

Illustrated reference configuration. Turn Ratio calculation basis requires project confirmation.

TURN RATIO REFERENCE CONFIGURATIONS



Belt Width: 420 mm (16.54 in) Turn Ratio: 1.7



Belt Width: 420 mm (16.54 in) Turn Ratio: 1.7

Illustrated reference configuration. Turn Ratio calculation basis requires project confirmation.

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, side guard and reinforcement configuration**
Project Follow-up	**Specification confirmation and order follow-up**

GET IN TOUCH

Jin Bei Li Metal (Suzhou) Co., Ltd.

Email ✉ info@jblmeshbelt.com

WhatsApp +86 138 1487 2506

Website www.jblmeshbelt.com | www.jblmeshbelts.com

© 2026 JBL Mesh Belt | All rights reserved | info@jblmeshbelt.com | www.jblmeshbelt.com | www.jblmeshbelts.com