LIZEN SAW

Metal Sawing Tools & Machines | Technical RFQ Guide

Band Saw Blade Pitch Selection Guide

Tooth pitch reference for M42/M51 bi-metal band saw blades, welded loops, tube/profile cutting, and distributor RFQs.

English PDF for buyers. Chinese meaning: this is a practical quotation and selection reference, not a final supplier specification sheet.

sales@lizensaw.com | WhatsApp: +86 131 7575 3620 | lizensaw.com

How to use this guide

Use this document to prepare RFQ information before asking for quotation.
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• Send material grade, size, machine model, quantity, destination country, and photos when available.

• Final product model, capacity, power, size, coating, packing, and lead time must be confirmed by quotation.

• For distributor or OEM orders, keep the confirmed specification record for repeat purchases.

Pitch basics

TPI means teeth per inch. ???TPI ???????Solid material usually needs coarser pitch. Thin tube or profile usually needs finer or variable pitch.

Starting pitch table

Workpiece	Starting pitch	Use case	Notes
Solid bar < 50 mm	6/10 or 5/7 TPI	Small solid material	Confirm hardness and clamping.
Solid bar 50-120 mm	4/6 or 3/4 TPI	Common steel bar	Good starting range for M42.
Solid bar 120-250 mm	3/4 or 2/3 TPI	Medium-large solid bar	Check machine rigidity.
Thin tube/profile	8/12 or 6/10 TPI	Thin wall material	Use wall thickness, not only outside size.
Medium tube/profile	5/7 or 4/6 TPI	Tube and profile	Variable pitch can reduce vibration.
Bundle cutting	6/10 or case-specific	Multiple pieces	Bundle clamp and pitch matter.

Blade product data to quote

Item	Reference content
Grade	M42 / M51 / carbide tipped option after application check
Blade size	Width x thickness x welded length
Supply form	Coil or welded loop
Packaging	Sleeve, carton, neutral label, private label
Buyer data	Material, shape, size, machine model, TPI, quantity, country

RFQ message template

Field	Buyer should provide
Product	Band saw blade / band saw machine / circular saw machine / circular saw blade
Material	Material grade, hardness if known, solid/tube/profile/bundle condition
Size	Workpiece size, blade size, saw blade diameter, or machine model
Quantity	Trial order quantity, monthly demand, or project quantity
Country	Destination country/port and voltage requirement for machines

Disclaimer: Reference data in this guide is for selection and RFQ preparation. Final specifications must be confirmed by the selected model sheet, quotation, and supplier confirmation before order.