TECHNICAL GUIDE

Joins & Fasteners

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How the two ends of the belt are joined affects strength, smooth running and how the belt is fitted. Hot vulcanised joins are preferred where the belt can be fitted endless; mechanical fasteners allow a belt to be fitted where an endless belt cannot.

VULCANISED (ENDLESS) JOINS		
Join	**Used on**	**Notes**
Single finger joint	1-ply belts	Maximum flexibility and even thickness through the join
Finger over finger	2-ply belts and above	The strongest and preferred join for most belts
Overlap joint	2-ply belts and above	Hot or cold vulcanised; often used where finger tools are not available

MECHANICAL FASTENERS		
Fastener	**Material**	**Notes**
Low profile lacing	Steel	Low height lacing for light belts and small pulleys
Clip fastener – light duty	Carbon steel or stainless	Hooks / plates fixed to each end, joined with a pin
Clip fastener – medium duty	Carbon steel or stainless	For heavier belts and higher tension
Plastic fastener	Plastic	Where metal fasteners are not suitable

CHOOSING A JOIN

Vulcanised endless	Best for strength, smooth running and food lines. The belt is fitted over the end of the conveyor.
Mechanical fastener	Fit without dismantling the conveyor, and quick to change. The join is less smooth and may mark products.
Open length	Supplied cut to length for joining on site.

ORDERING

- Tell us the join you need, or describe the old join – a photo helps.
- For fasteners, tell us the belt thickness and the smallest pulley diameter so we can choose the right size.
- Fastener prices and availability are confirmed with your quotation.
- Belts are generally supply only. We can arrange fitting by a contractor on request.

NOTES

- Figures and descriptions are for guidance. Please check suitability for your conveyor, or ask us for advice.

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