Overlap Splice Length Help Sheet

Maximising the Lifespan of a Vulcanised Joint

Proper maintenance of vulcanised joints, whether hot or cold, is essential for extending their service life, maintaining belt performance and minimising the risk of unexpected failures and costly downtime.

Regular Inspection and Maintenance
Routine visual inspections should be carried out to identify any signs of wear or damage, paying particular attention to the top and bottom joint fillers. Any deterioration should be addressed promptly to prevent moisture, dirt and other materials from entering the joint and compromising its integrity.

Joint Identification and Traceability
Each vulcanised joint should be individually numbered when completed. This allows for accurate identification, ongoing condition monitoring and a detailed maintenance history throughout the belt's service life.

This is particularly beneficial for conveyor belts containing multiple vulcanised joints, as it makes tracking repairs, inspections and performance much easier.

Selecting the Correct Joint Length
Ensuring the correct splice length is used for the belt specification is crucial to achieving a strong, reliable and long-lasting joint.

The required joint length is determined by factors including the belt's tensile strength, construction and number of plies.

For example, an EP 630/4 conveyor belt will generally require a longer splice than an EP 500/3 belt due to differences in strength and construction. The final splice dimensions should always follow the belt manufacturer's recommendations and the appropriate splicing specification.

Key Takeaway
Regular inspections, timely repairs, accurate joint identification and correct splice design all contribute to improved conveyor belt reliability, reduced maintenance costs and longer service life.



Vulcanised Joint Lengths - HELP TABLE

Belt Type	No. of Steps	Lengths Per Step	Total Length
EP 315 / 3	2	150mm	300mm
EP 400 / 3	2	150mm	300mm
EP 500 / 3	2	200mm	400mm
EP 630 / 4	3	200mm	600mm
EP 800 / 4	3	250mm	750mm
EP 800 / 5	4	200mm	800mm
EP 1000 / 4	3	250mm	750mm
EP 1000 / 5	4	250mm	1000mm
EP 1250 / 4	3	300mm	900mm
EP 1600 / 4	3	350mm	1050mm

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