

DIN 22102-3:2020-12 (E)

Conveyor belts with textile plies for bulk goods - Part 3: Permanent joints

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms, definitions and symbols	4
4	Dimensions, design and designation	4
4.1	General	4
4.2	Splices for conveyor belts with one textile ply, for belt types 500/1	5
4.3	Splices for conveyor belts with one ply (finger splice), for belt types 630/1	6
4.4	Splices for conveyor belts with two plies and intermediate tension member	7
4.5	Splices for conveyor belts with two or more plies and bonding layers	8
5	Splicing conveyor belts	12
5.1	General	12
5.2	Hot plates in vulcanizing machines	12
6	Electrical and flammability safety requirements	12
7	Marking	12
Figures	Figure 1 -- Overlapping splice	5
	Figure 2 -- Finger splice	6
	Figure 3 -- Splice with intermediate tension member	7
	Figure 4 -- Stepped splice	8
	Figure 5 -- Conveyor belt with two plies: 1-step splice	9
	Figure 6 -- Conveyor belt with two plies: 2-step splice	9
	Figure 7 -- Conveyor belt with three plies: 2-step splice	9
	Figure 8 -- Conveyor belt with four plies: 3-step splice	10
	Figure 9 -- Conveyor belt with five plies: 4-step splice	10
Tables	Table 1 -- Loss in breaking strength	5
	Table 2 -- Minimum step lengths and splice lengths for overlapping splices	5
	Table 3 -- Finger splice dimensions	6
	Table 4 -- Minimum steps and splice lengths for splices with intermediate tension member	8
	Table 5 -- Minimum steps and splice lengths for conveyor belts with two plies	11
	Table 6 -- Minimum steps and splice lengths for conveyor belts with more than two plies	11