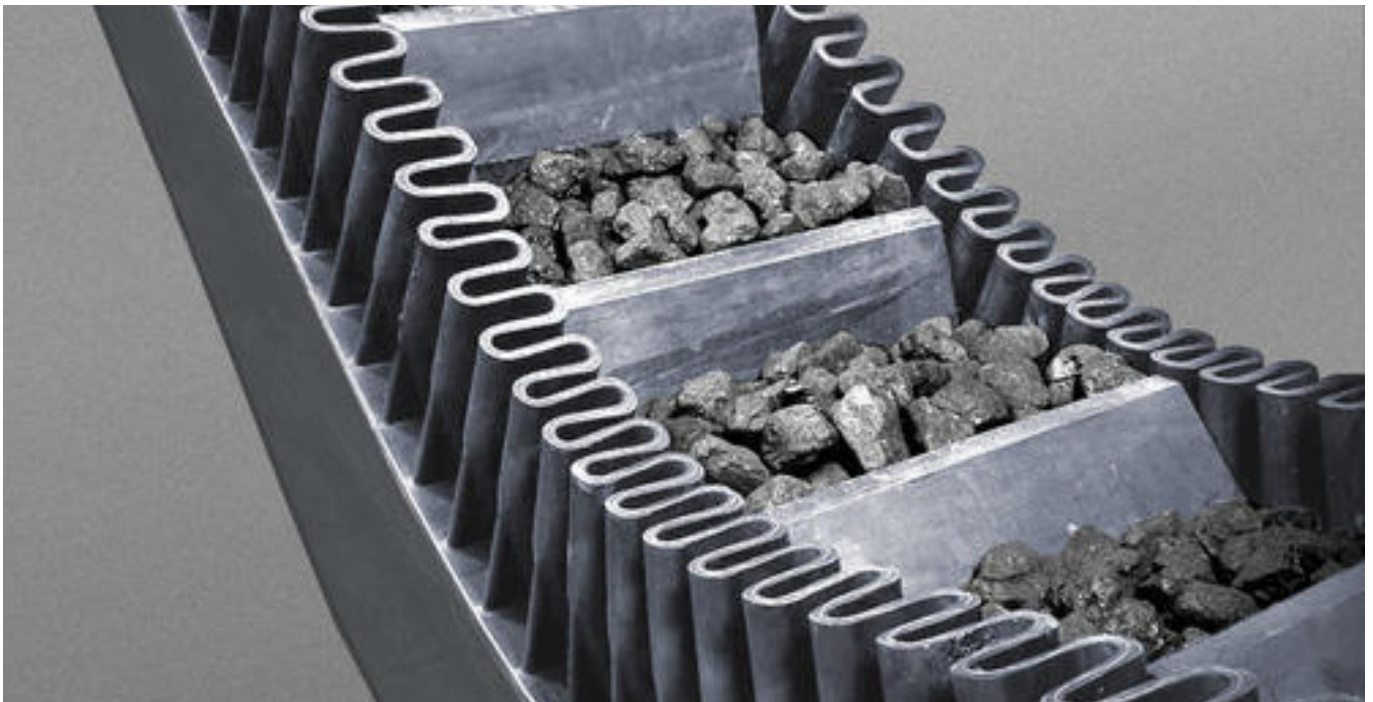


Conveyor Solutions  
Sidewall belts





## Sidewall belts

When you need to transport material at steeper angles than is possible with conventional conveyor belts, Metso Sidewall belts are the way to go. Their cross-stiff base belt and high-strength corrugated rubber sidewalls combine with a variety of different sized cleats to ensure your material stays in place. Eliminating the need for material transfers, Metso Sidewall belts offer you a space and energy efficient way to transport material at up to 90° angles.

### Material properties

The base belt and cross-reinforcements can be made of either textile fabrics\* or steel cords, depending on the level of belt cross-rigidity and strength your application demands. The sidewalls are made of a high-strength rubber compound, so the belt is tough enough to handle all kinds of materials. The cleats are made of abrasion-resistant rubber compounds and come in a large range of shapes and sizes to match the conveying capacity of your application. For extra strength, all sidewalls over 120 mm and cleats over 140 mm high are reinforced with fabric.

Our Sidewall belts are assembled by hot-vulcanization, ensuring that all parts of the belt are bonded in the same process. Should the assembly process demand greater flexibility, cold-bonding with a high-strength bond is also an option. In both cases, the cleats are bolted to the sidewalls.







**NEW!**

### Special features

Several features make Metso Sidewall belts an economical and environmentally-friendly choice. They prevent spillage at steep angles, thereby reducing material waste. They are also very hardwearing, which reduces maintenance work and lengthens the time between replacements. Enabling conveying at steep angles, they save space on your site. And crucially, since conveying distances can be shortened, our Sidewall belts reduce energy consumption.

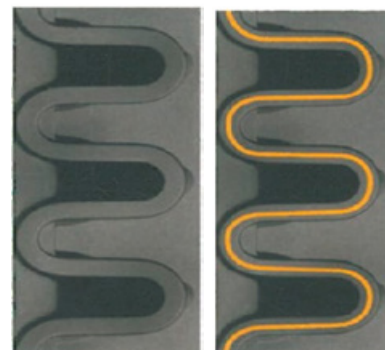
\* Note that textile fabric is not an option for high-strength belts

## Cross-rigid base belts

Type	Cross-section	Tensile strength [N/mm]	Cover type	Number of plies	Cover thicknesses [mm]	Weight [kg/m <sup>3</sup> ]	Min. pulley dia. [mm]
XE		200	Antiabrasive Heat resistant	2	2:2	9,8	200
XOE		315	Antiabrasive	2 + 1	4:2	11,3	315
		500	Oil resistant	3 + 1	4:2	13,2	400
		630	Flame resistant	4 + 1	4:2	14,9	500
		800		5 + 1	4:2	17,8	630
XST		1000		6 + 1	5:3	22,0	800
		1250					
		1600	Antiabrasive	–	6:6	25,3	630
		2000	Heat resistant		7:7	29,0	800
XDE		2500	Flame resistant		8:8	33,8	1000
		3150			8:8	36,2	1000
		315	Antiabrasive	2 + 2	4:3	13,7	315
		500	Oil resistant	3 + 2	4:3	15,5	400
		630	Flame resistant	4 + 2	4:3	17,3	500
			Heat resistant				

## Sidewalls

Sidewall type	Height [mm]	Width [mm]	Base width [mm]	Pitch [mm]	Weight [kg/m]	Min. pulley dia. [mm]
N	80	44	50	42	1,6	200
	100	44	50	42	1,8	250
S	120	66	75	63	3,1	315
	160	66	75	63	4,1	400
	200	66	75	63	5,1	500
	240	66	75	63	6,1	630
	280	66	75	63	7,9	700
	300	66	75	63	8,3	800
ES	300	88	100	84	12,0	800
	400	88	100	84	16,0	1000



## Sidewalls

Type	T75	T110	Type	TC280	TC360	
	Height [mm]	75	110	Height [mm]	280	360
	Weight [kg/m]	1,65	2,20	Weight [kg/m]	18,5	22,0
	Min. pulley dia. [mm]	200	300	Min. pulley dia. [mm]	700	700

Type	TC10	TC140	TC180	TC220	TC260	
	Height [mm]	110	140	180	220	260
	Weight [kg/m]	2,6	5,5	7,0	8,0	10,2
	Min. pulley dia. [mm]	350	370	450	500	600



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