

Metso Trellex Conveyor Belts



Physical Characteristics

	Trellex Supercord 500	Trellex 250	Trellex 375	Trellex 500	Trellex 600	Trellex 800	Trellex 1000
Number of Plies	1	2	3	4	3	4	4
Working Strength, PIW	500	250	375	500	600	800	1000
Approx Carcass Gauge	0.175	0.125	0.187	0.228	0.210	0.285	0.335
Approx Carcass Wt, lb/ft ²	0.085	0.055	0.084	0.103	0.110	0.155	0.165
Approx Cover Wt, lb/ft ² per 1/32" thickness	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Standard Covers	1/4" x 1/8"	3/16" x 1/16"	3/16" x 1/16" 1/4" x 1/16"	1/4" x 1/16"	3/8" x 3/32"	3/8" x 3/32"	3/8" x 3/32"
Elongation at rated tension	Less than 2%						

Load Support Table (Maximum Belt Width)

Material lb/ft ³ and idler through	Trellex Supercord 500	Trellex 250	Trellex 375	Trellex 500	Trellex 600	Trellex 800	Trellex 1000
0-40 lb/ft ³							
20° Idlers	66	42	60	72	84	84	84
35° Idlers	60	36	54	60	72	84	84
41-80 lb/ft ³							
20° Idlers	60	42	60	72	84	84	84
35° Idlers	60	36	54	60	72	84	84
81-120 lb/ft ³							
20° Idlers	54	36	60	60	72	84	84
35° Idlers	48	36	54	60	60	84	84

Troughability Table (Minimum Belt Width)

	Trellex Supercord 500	Trellex 250	Trellex 375	Trellex 500	Trellex 600	Trellex 800	Trellex 1000
20° Idlers	18	14	20	24	30	36	42
35° Idlers	24	18	24	30	30	36	42

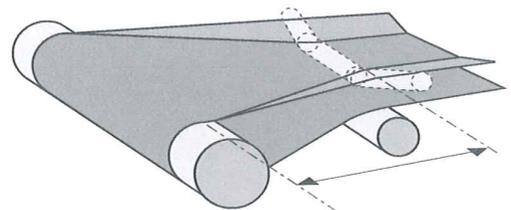
Minimum Recommended Pulley Diameter

	Trellex Supercord 500	Trellex 250	Trellex 375	Trellex 500	Trellex 600	Trellex 800	Trellex 1000
Over 80% of Rated Tension	24	16	18	24	24	30	36
60% to 80% of Rated Tension	20	14	16	20	20	24	30
40% to 60% of Rated Tension	18	12	14	18	18	20	24
Up to 40% of Rated Tension	16	10	12	16	16	18	22
Tail & Snub Pulleys *	16	10	12	16	16	18	22

* Minimum diameters may be greater according to the type and size of fastener used, especially with wing-type pulleys. Consult fastener manufacturer's application data.

Transition Distance

		Applies to all styles of belt	
		Pulley In-line *	Pulley Elevated **
20° Idlers	Over 90% of Rated Tension	2.1 x belt width	0.9 x belt width
	60% to 90% of Rated Tension	1.6 x belt width	0.8 x belt width
	Up to 60% of Rated Tension	1.2 x belt width	0.6 x belt width



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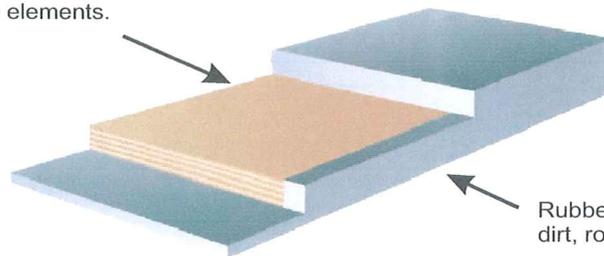
Conveyor Belting

Metso Minerals has a wide range of conveyor belting to satisfy the rigorous demands of aggregate production and recycling operations. Metso Trellex conveyor belts are the product of more than 100 years experience in development, manufacturing and applications know-how.



Advantages of Molded Edge Belting

Belts are easier to vulcanize after being in service. The fabric is not exposed to outside elements.



Belts are NOT slit from wide slab or roll. The belt is manufactured to a specific width and is easier to train and track.

Rubber protects fabric from moisture, dirt, rock and other foreign material.

Specialty Belting

Depending on the operation, the materials flowing along the conveyor belt vary widely. Metso Trellex conveyor belting offers specialty belting alternatives, which provide a long, trouble free life, maximizing production uptime.

Metso Trellex Supercord 500

- Utilizes straight warp, all synthetic construction with standard Grade Y covers.
- Provides exceptional resistance to impact, ripping, and tearing when compared to conventional plied belting.
- Straight warp fabric has extremely low stretch.

Steel Plus

- Available for applications which require a steel breaker integrated in the top cover. Improves rip and impact resistance. Stocked in metric widths.

STW A

- Conveyor belting utilizing high elastic steel cords in the warp and weft.
- Incredible impact and tear resistance.
- Meets ISO 15236-2 specifications.

Optional Cover Compounds

- RMA Grade 2 – Premium compound for a majority of abrasive applications.
- RMA Grade 1 – Designed for superior resistance to cutting, gouging and abrasion.
- Premium Oil Resistant – A compound designed to withstand attack in oily environments, such as oil treated coal and wood chips.
- Super Oil Resistant – Designed for extreme oil resistant applications.
- K Flame Resistant – Meets ISO 340 specifications.
- W Wear Resistant – Top rated abrasion resistant compound designed for severe abrasive applications.
- TX Heat Resistant – Superior quality SBR compound that provides excellent abrasion and good heat resistance to 150 ° C (300 ° F).
- RET Super Heat Resistant – Premium EPR elastomer with excellent heat resistance to 250 ° C (480 ° F).