



ROAD-AWAY™ MILLING BELTS CATALOG

AVOID DOWNTIME WITH THE MARKET LEADER IN MILLING BELTS

DEMANDING ROADWORK REQUIRES QUALITY BELTING DESIGNED TO MEET A VARIETY OF RIGOROUS APPLICATIONS UNDER THE MOST DEMANDING CONDITIONS. The Y-Cleat, U-Cleat, and V-Cleat Road-Away™ Milling Belts, from Apache are the market leaders. Their high-strength rubber, rip-resistant fabrics, and abrasion-resistant covers and cleats transport materials as efficiently as possible.

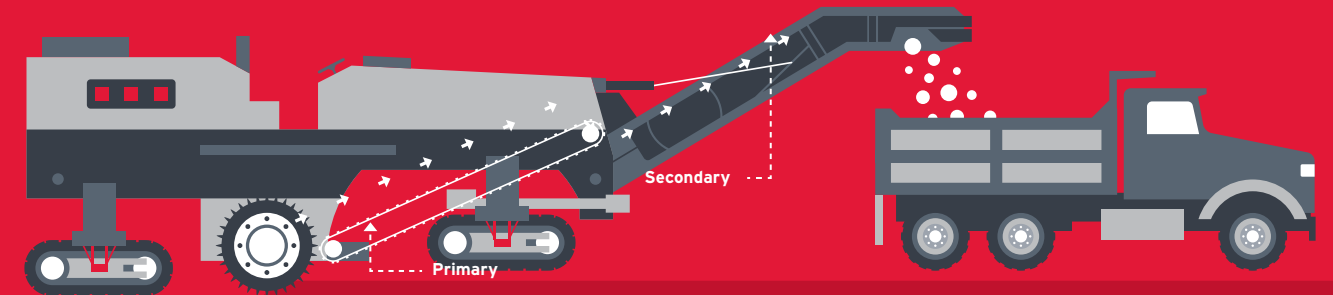
These rubber belts are integrally molded for high capacity and superior performance. Single-piece, molded cleats help to eliminate the danger of cleat separation, and advanced splicing techniques ensure ultimate strength, flexibility and performance. The belts are designed to withstand high speeds and small pulley diameters.

▶ **CHOOSE THE LEADER. CHOOSE ROAD-AWAY™ BELTS FROM APACHE.**

LEADING THE INDUSTRY IN MILLING BELTS

Y-Cleat, V-Cleat, and U-Cleat Road-Away™ Milling Belts from the Apache provide the superior performance needed by road construction crews and companies.

- ▶ High-strength, rubber compounds allow belts and cleats to withstand impact from heavy, sharp materials
- ▶ Single-piece, molded cleats eliminate the danger of cleats separating from belt covers
- ▶ Advanced splicing techniques ensure ultimate strength, flexibility, and performance to withstand the rigors of high speeds and small pulley diameters
- ▶ Higher carrying capacity and better leveling of material on the carrying side
- ▶ Operates smoother and quieter on the return side because of the stabilizing center profile
- ▶ Up to 1-1/4" high cleats for ultimate capacity
- ▶ Wide cleat base for additional bond to covers and improved durability
- ▶ Sizes for all manufacturers
- ▶ Metric sizes available
- ▶ Large inventory of many popular Road-Away™ belt styles for immediate shipment



Road milling machines remove asphalt from roads in order to repair damaged sections of streets and highways. The asphalt is removed by a large cutting drum, then fed onto the primary/pickup belt. This belt feeds the material from the primary belt to the secondary/discharge belt. The secondary belt then feeds the reclaimed material into a dump truck.

- ▶ Primary/pick-up belts are 31.5" to 60" wide and 15' to 32' long
- ▶ Secondary/discharge belts are 24" to 54" wide and 48'-58' long

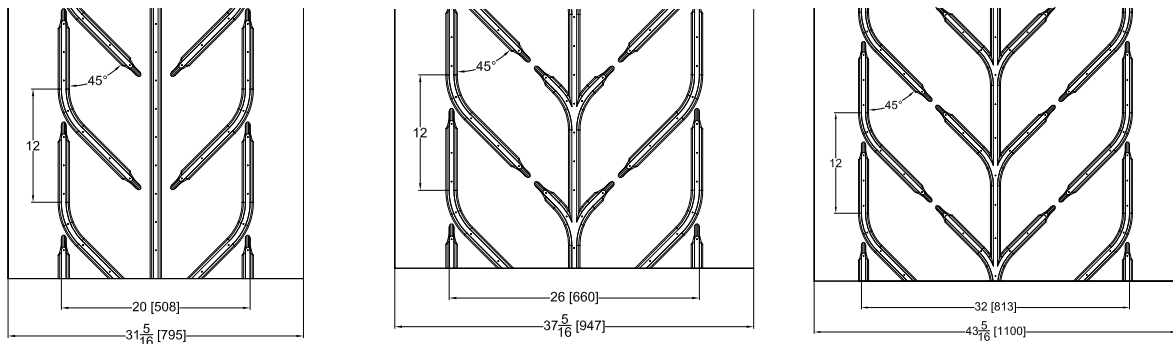


MILLING BASE BELT

- ▶ 2-PLY 220# 5/32 x 3/32 RMA Grade 1 (EE 400/2 4mm x 2mm DIN Y)
- ▶ 3-PLY 240# 5/32 x 3/32 RMA Grade 1 (EE 500/3 4 mm x 2 mm DIN Y)
- ▶ 1-PLY 350# 5/32 x 3/32 RMA Grade 1 (1-Ply SW 600 4 mm x 2 mm DIN Y)

MOLDED Y-CLEAT

12" cleat centers – Metric widths available



20" CLEAT PATTERN

- ▶ 30" minimum belt width
- ▶ 1-1/4" cleat height
- ▶ 1-1/4" cleat base width
- ▶ 1-1/4" high stabilizing center profile

26" CLEAT PATTERN

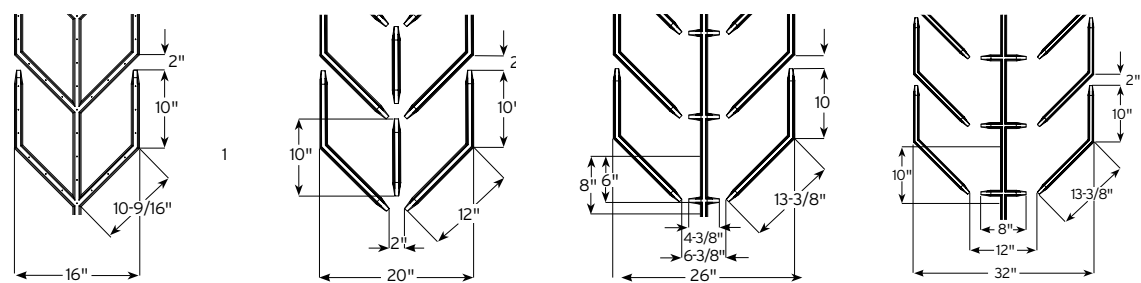
- ▶ 36" minimum belt width
- ▶ 1-1/4" cleat height
- ▶ 1-1/4" cleat base width
- ▶ 1-1/4" high stabilizing center profile

32" CLEAT PATTERN

- ▶ 42" minimum belt width
- ▶ 1-1/4" cleat height
- ▶ 1-1/4" cleat base width
- ▶ 1-1/4" high stabilizing center profile

MOLDED V-CLEAT

12" cleat centers – Metric widths available



16" CLEAT PATTERN

- ▶ 24" maximum belt width
- ▶ 1/2" cleat height
- ▶ 1-3/16" cleat base width
- ▶ 1/2" high continuous stabilizing center profile
- ▶ Base belt recommended is 2-ply 220# 5/32" x 3/32" for smaller pulleys

20" CLEAT PATTERN

- ▶ 30" minimum belt width
- ▶ 1" cleat height
- ▶ 1-1/4" cleat base width
- ▶ 1" high stabilizing center profile

26" CLEAT PATTERN

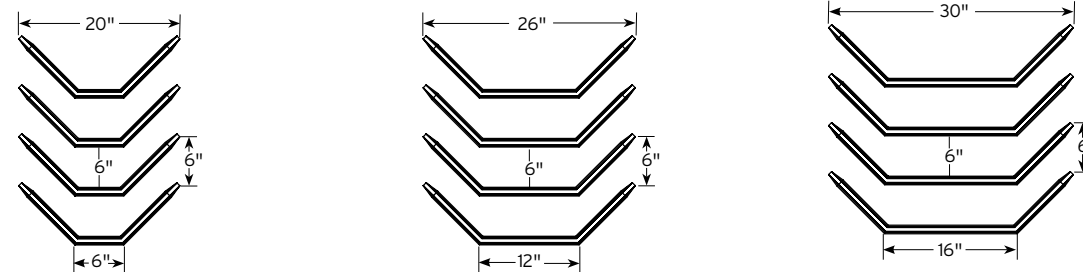
- ▶ 36" minimum belt width
- ▶ 1" cleat height
- ▶ 1-1/4" cleat base width
- ▶ 1" high continuous stabilizing center profile

32" CLEAT PATTERN

- ▶ 42" minimum belt width
- ▶ 1" cleat height
- ▶ 1-1/4" cleat base width
- ▶ 1" high continuous stabilizing center profile

MOLDED U-CLEAT

6" cleat centers – Metric widths available



20" CLEAT PATTERN

- ▶ 24" minimum belt width
- ▶ 1/2" or 1" cleat height
- ▶ 1-1/4" cleat base width
- ▶ Base belt recommended is 2-ply 220# 5/32" x 3/32" for smaller pulleys

26" CLEAT PATTERN

- ▶ 36" minimum belt width
- ▶ 1/2" or 1" cleat height
- ▶ 1-1/4" cleat base width

30" CLEAT PATTERN

- ▶ 42" minimum belt width
- ▶ 1/2" or 1" cleat height
- ▶ 1-1/4" cleat base width

MANUFACTURING & FABRICATION FEATURES

Superior elongation (strength) properties ensure exceptional adhesion levels between the cleats and belt top cover. This allows the cleats to better withstand the effects of high speeds and small pulley diameters.

Y-CLEAT

- ▶ The taller Y-cleat design is the most recent generation in road milling belt styles, increasing belt carrying capacity and preventing product rollback on inclines
- ▶ This pattern features a center Y profile and continuous solid center stabilizing bar that allows the belt to run quieter and smoother over conveyor idlers, as well as aiding the belt to run straight on the conveyor
- ▶ Cleat compounds are made of high strength rubber that provides needed tear and cutting resistance, which protects the belt top cover, while also absorbing impact at loading and transfer points

BELT RUBBER COVERS

- ▶ Specially formulated cover compounds provide superior abrasion resistance properties
- ▶ High natural rubber content provides exception tear strength, as well as cutting and gouging resistance
- ▶ Contains ozone inhibitors to withstand the effects of prolonged exposure to hot and harsh weather conditions

FABRIC/CARCASS

- ▶ High strength, low stretch, all polyester fabric
- ▶ Enhances belt tracking and improves overall performance
- ▶ Special fabric weave enhances endless splice strength
- ▶ Flexible properties allows the belt to better withstand high speeds and small pulley diameters

SINGLE PLY/STRAIGHT WARP

- ▶ Exceptionally strong and durable fabric
- ▶ Designed to provide superior resistance to gouging, tearing, and puncturing
- ▶ Better able to withstand the abuse of sharp and abrasive material on primary/pick-up conveyors

ENDLESS SPLICE

- ▶ From years of experience and research, Apache has developed and refined it processes to provide an endless splice with superior tensile/breaking strength
- ▶ Our proprietary design allows the splice to better withstand the long term effects of harsh operating conditions – particularly high speeds and small pulley diameters

Large inventory on-hand for immediate shipment.

RUBBER QUALITY & PROPERTIES IN ROAD MILLING BELTS

Belting used on road planers requires higher performance rubber compounding in order to keep up with high speeds, small pulleys, and required dependability.

Every black standard, Grade 2, and imported belting product is viewed by many fabricators as a commodity product - but no matter how similar in outward appearance, belts are not all made to the same performance and manufacturing standards.

APACHE LOOKS AT 3 CRITICAL AREAS WHEN SPECIFYING AND TESTING BELTING RUBBER COMPOUNDS:

TENSILE

- ▶ Refers to the breaking strength of rubber
- ▶ Grade 2 rubber for Apache should be in the 2100-2300 PSI/PIW range
- ▶ Road Milling belts should exceed 2500 PSI/PIW

ELONGATION

- ▶ Refers to the ability of the rubber compound to stretch without breaking
- ▶ Grade 2 rubber in the 400%+ range
- ▶ Road Milling belts should be 450%+

DIN ABRASION

- ▶ This test measures the weight loss of a product (lower is better)
- ▶ Grade 2 rubber (imported) in the 170-180 range
- ▶ Road Milling belts should be in the 105-115 range



FREQUENTLY ASKED QUESTIONS:

Q: WHAT IS THE MOST COMMON CAUSE OF A ROAD MILLING BELT FAILURE?

A: A belt normally fails in the splice area because the splice/joint is the weakest part of the belt. High speeds, small pulleys, and general abuse are the major contributors.

Q: WHY IS YOUR BELT LESS EXPENSIVE THAN THE WIRTGEN PRODUCT?

A: Equipment OEMs always charge a premium for replacement parts. Wirtgen has most of their belts manufactured in Europe where costs are high and the facilities are older. Additionally, there are transportation costs and duties required to land the belts in the US. In this instance, a less expensive product does not mean our quality is subpar, but simply that our costs are more competitive.

Q: WHY IS APACHE THE MARKET LEADER IN THE U.S./NORTH AMERICA?

A: We are committed to being the leader and have made substantial investments to ensure we maintain this recognition in the market. Advanced options for tooling, production presses, and enhanced manufacturing techniques have solidified our position.

Q: WHAT THINGS SEPARATES APACHE FROM COMPETITOR ROAD MILLING BELTS?

A: Production experience, continuous benchmarking of our product against the competition, world class raw material suppliers, and an in-house technical team (engineering, R&D, Quality Control, and a Continuous Quality Control Manager). Nationally, Apache has a Midwest based field service team to assist and troubleshoot belting issues and concerns. We are also ISO certified in our Cedar Rapids belting production facility.

Q: WHY IS YOUR PRODUCT WORTH THE PRICE?

A: Our road milling belts perform as needed, because quality materials and workmanship makes Road-Away™ belts dependable. Knowing you have a belt in good condition when a job is started, gives you the assurance the project will be completed as scheduled, without unexpected downtime.





WWW.APACHE-INC.COM

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