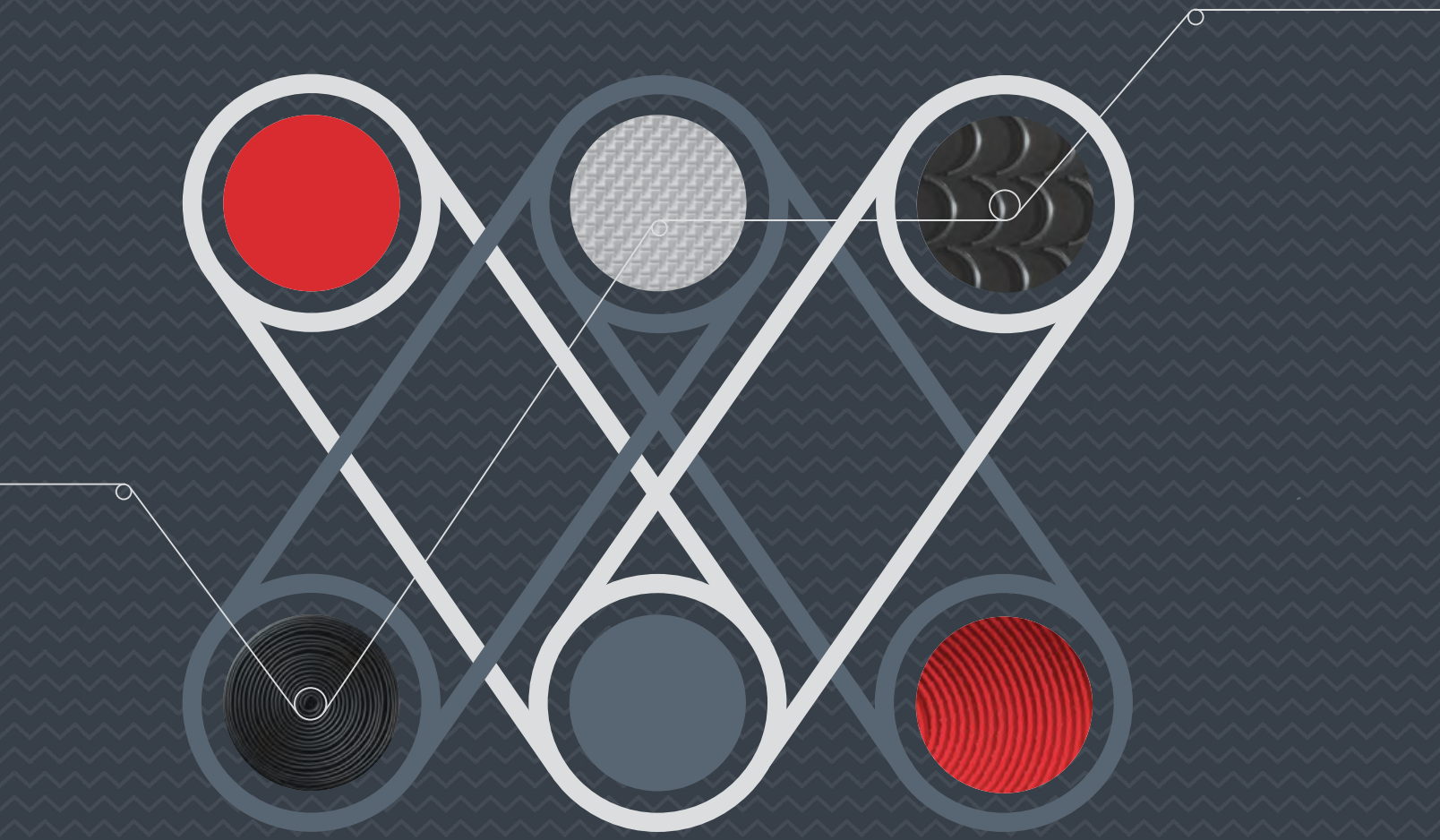
APACHE®
division of Motion Industries



BELTING PRODUCTS CATALOG

WHERE IDEAS + ACTION CONNECT

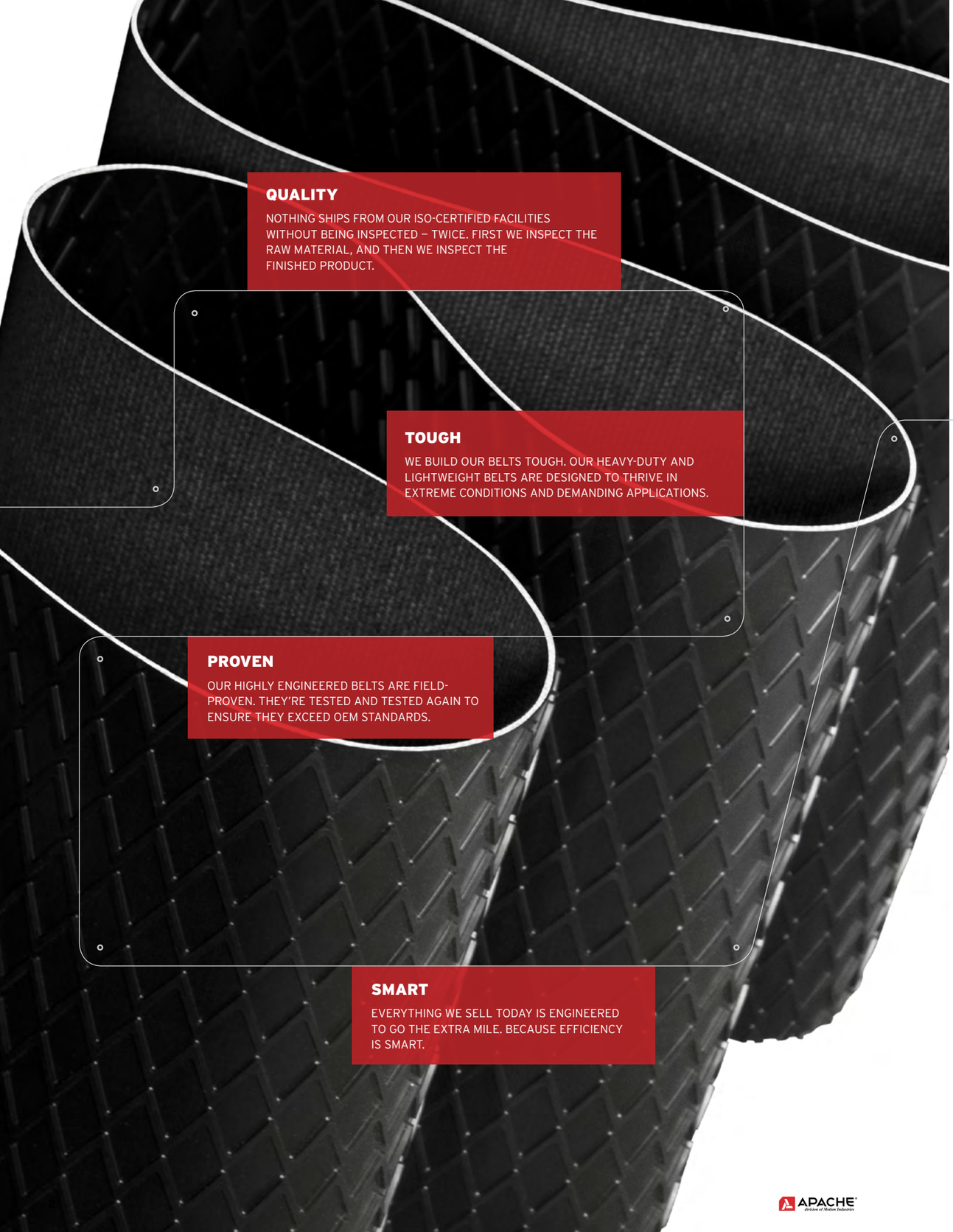
WE ARE APACHE ... AN ORGANIZATION RUN BY HARD-WORKING PEOPLE DEDICATED TO HELPING YOU SUCCEED. Our goal is to work as your partner to add value to your bottom line – whether it's providing a product off the shelf or developing a custom solution. We're committed to delivering the best quality products and service, anytime and anywhere.

After more than fifty years in business, we've grown from a small Midwestern distributor to a highly driven, global organization providing the belts, hoses, and cut and molded rubber products that you depend on every day to keep your business moving forward.

We've done it by minimizing our customers' downtime. We source solutions from around the globe. We develop smarter, stronger, tougher products – to exact specifications – for applications in oil and gas, agriculture, package handling, mining, construction, food processing and more.

No matter what the industry, the key is consistent quality. So we are always on the job. We always test our products. And we always stand behind them – 100%.

APACHE



QUALITY

NOTHING SHIPS FROM OUR ISO-CERTIFIED FACILITIES WITHOUT BEING INSPECTED – TWICE. FIRST WE INSPECT THE RAW MATERIAL, AND THEN WE INSPECT THE FINISHED PRODUCT.

TOUGH

WE BUILD OUR BELTS TOUGH. OUR HEAVY-DUTY AND LIGHTWEIGHT BELTS ARE DESIGNED TO THRIVE IN EXTREME CONDITIONS AND DEMANDING APPLICATIONS.

PROVEN

OUR HIGHLY ENGINEERED BELTS ARE FIELD-PROVEN. THEY'RE TESTED AND TESTED AGAIN TO ENSURE THEY EXCEED OEM STANDARDS.

SMART

EVERYTHING WE SELL TODAY IS ENGINEERED TO GO THE EXTRA MILE. BECAUSE EFFICIENCY IS SMART.

SOME COMPANIES MEET EXPECTATIONS WE SURPASS THEM

OUR HIGHLY TRAINED AND DEDICATED SPECIALISTS fabricate essentially any belt configuration to meet a wide range of applications. That's value that translates into longer run times and leaner operations.

Apache offers lightweight belting for package handling, food handling, and assembly line production. Versatile, strong, and hardworking belt products designed specifically to meet individual application needs.

We also have a vast selection of heavy-duty belting products with a broad range of tension ratings and cover compounds to handle a wide variety of products. Our belts are designed for applications requiring resistance to: extreme temperatures, oil, hot asphalt, chemicals, grease, animal fat, impact, tearing, high speeds, static build-up, combustion, abrasion, and severe weather conditions.

We have the inventory to meet your immediate needs and the ability to quickly produce fabricated belts to solve your particular material-handling problem.

OUR CONVEYOR BELTING PRODUCTS INCLUDE:

- Industrial belting
- Heavy-duty belting
- Lightweight belting
- Food grade belting
- Grain handling belt
- Incline belting
- High heat/oil service belts
- PVC/RMV belts
- Thermoplastic/ monofilament belting
- Transmission belts
- Package handling belts

CUSTOM BELT FABRICATION

Our product experts can go on-site to offer options and design application-specific belting solutions. We'll recommend the flat or fabricated belt specification to provide the ultimate results for the best value. Our trained and highly experienced technicians will build the solution from any compound – rubber, PVC, urethane – and in any configuration. Put our experts to work for you.

OTHER CUSTOM BELTS INCLUDE:

- Cleated belting
- Endless belting
- Longitudinal splices
- Road-Away™ milling belts
- Rock Chucker™ belts
- Vanner edges
- V-guides
- Chevron cleated belting
- DUROWALL™ and PAC-WALL sidewall belting
- Hole punching
- Perforating
- Mechanical fasteners

EXPERT ON-SITE SERVICE

Answers — When you need them. Whatever it takes. Apache leads the industry in heavy-duty and lightweight belting solutions. Our industrial services division is also available for on-site consultation, installation, maintenance, and repair. With an average of 20 years of experience per technician, they've seen it all and are prepared to offer you effective solutions!

On-site services:

- 24/7 service
- Turnkey installations
- Scheduled preventative maintenance
- Heavy-duty belt installations
- Lightweight & food grade belt installations
- Vulcanization or mechanical fasteners
- Conveyor component installations
- On-site pulley lagging
- Sidewall belt installation or repair
- Bucket elevator installation or repair
- Preventative maintenance inspections

INSTALLATION SERVICES

Our installation service teams are flexible to meet your timetable, and turn-key installations are available. Our trained team installs, repairs, and vulcanizes all belts, conveyor components, sidewalls, elevator buckets, and more. To ensure optimal performance and safety, we do it quickly and correctly.

Belt Installation. We are equipped with versatile presses that allow us to change a belt out with minimal disruption to the customer. Whether it's installing a 50-foot or 1,000-foot roll — 100-feet in the air or 100-feet underground — we can do what you need!

Vulcanization. On-site vulcanization makes it possible for companies to use endless belts when required or preferred. We specialize in vulcanized splices, and will perform vulcanization in any weather condition or location.

Belt lacing and mechanical fasteners. We're experts in splicing technologies and techniques, and will provide you with the right splice for your application.

Elevator buckets. Our team can install new, complete elevator belts, or replace buckets. We also provide preventative maintenance inspections on bucket elevator systems.

MAINTENANCE & REPAIR

Breakdowns cost time and money, so the Apache Industrial Services team offers 24/7 emergency service. When a repair or maintenance is needed, or if a system goes down, we're there. We work weekends to minimize downtime during weekday production schedules. Unforeseen belt failures or breakdowns happen. Make us your first call to get your system back up and running — quickly!

Scheduled preventative maintenance is your best defense against belt failure and unnecessary downtime. Our qualified and skilled technicians are OSHA-trained and MSHA certified. They are insured and licensed, and their knowledge of conveyor systems enables them to keep your customers up and running. With regular inspections, our specialists can help avoid breakdowns by detecting problems before they occur.

Complete belting and conveyor system inspections. During periodic maintenance, our technicians inspect belts for stress and check the vulcanized and mechanical splices, ensuring they are in good shape and performing correctly. We make suggestions to fix items or components that could cause premature wear or contribute to a future failure — like worn bearings, pulleys, or idlers. We also ensure the belt is tracking correctly over the conveyor system.

Conveyor component re-assembly and adjustment. Minor adjustments to conveyor components can be made during inspection. If a belt is not tracking correctly, sometimes we can fix it with just a slight adjustment to the conveyor. We also adjust tail pulleys, idlers, and rollers. We understand conveyors and we know what causes trouble for belts!

Call us for 24/7 emergency maintenance at

800.553.5455

or to schedule an installation or preventative maintenance.

TABLE OF CONTENTS

DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride

PVGE = Poly Vinyl Grain Elevator

RMV = Rubber Modified Vinyl

VOLTA ABBREVIATION KEY

F = Flat

H = Hard Durometer (Polyester Compound)

M = Medium Durometer (TPE Compound)

TPE = Thermoplastic Elastomers

W = White/Cream

PRODUCT DIRECTORY

LIGHTWEIGHT BELTING			
SPEC #	**PART #**	**DESCRIPTION**	**PAGE #**
FOOD HANDLING			
67B	20038509	2-Ply 220# Polyester White PVGE 1/16 Cover x 1/16 Cover	17
3800	20103800	2-Ply 100# Polyester White Urethane Bare x Bare	12
3801	20103801	2-Ply 100# Polyester White RMV Cover x Friction	12
3804	20103804	3-Ply 150# Polyester White RMV Cover x Friction	12
3805	20103805	2-Ply 100# Polyester Monofilament White RMV Cover x Bare Anti-static	13
3806	20103806	2-Ply 100# Polyester Monofilament White RMV Bare x Bare	12
3807	20103807	2-Ply 100# Polyester Monofilament Dark Blue Hytrel Cover x Bare Anti-Static	14
3815	20103815	3-Ply 150# Polyester Monofilament White RMV Cover x Bare Anti-static	13
3818	20103818	2-Ply 100# Polyester Monofilament Blue PVC Cover x Quad	15
3821	20103821	2-Ply 50# Polyester Monofilament White RMV Pebbletop Cover x Bare	13
3822	20103822	2-Ply 100# Polyester Monofilament White RMV Quad Cover x Bare	13
3828	20103828	2-Ply 100# Cotton/Polyester White RMV Cotton Top x Bare	13
3839	20103839	2-Ply 34# Polyester White Urethane Cover x Bare	14
3840	20103840	1-Ply 34# Polyester Monofilament White Urethane Cover x Bare	14
3841	20103841	2-Ply 65# Polyester Monofilament White Urethane Cover x Bare	14
3852	20103852	2-Ply 65# Polyester Blue Urethane Cover x Bare (Non Fray)	15
3853	20103853	2-Ply 65# Polyester White Urethane Cover x Bare (Non Fray)	15
3854	20103854	2-Ply 100# Polyester Monofilament Blue Urethane Matte Cover x Rice pattern	14
3855	20103855	2-Ply 100# Polyester Monofilament Blue Urethane Matte Cover x Bare Anti-static	14
3859	20103859	2-Ply 75# Polyester Monofilament White Urethane Cover x Bare Anti-static	14
3870	20103870	2-Ply 100# Polyester White RMV Pebbletop Cover x Friction	13
3871	20103871	3-Ply 150# Polyester White RMV Pebbletop Cover x Friction	13
3873	20103873	2-Ply 100# Polyester White RMV Meat-Cleat Cover x Friction	14
3880	20103880	2-Ply 100# Polyester Monofilament White Silicone Cover x Bare	15
4002	20104002	3-Ply 69# Polyester White Nitrile Friction x Friction	16
4013	20104013	3-Ply 150# Polyester White Nitrile Cover x Friction	17
4015	20104015	3-Ply 150# Polyester/Nylon Tan Nitrile Cover x Friction	17
4016	20104016	2-Ply 70# Polyester White Nitrile Cover x Friction	17
4017	20104017	3-Ply 105# Polyester White Nitrile Cover x Friction	17
4023	20104023	3-Ply 105# Polyester White Butyl Cover x Friction	18
4025	20104025	3-Ply 105# Polyester White Nitrile Teflon® Cover x Friction	18
4040	20104040	3-Ply 150# Polyester White Meat-Cleat Cover x Friction	18
4042	20104042	2-Ply 70# Polyester White Nitrile Tyler Wire Cover x Friction	18
4043	20104043	3-Ply 105# Polyester White Nitrile Tyler Wire Cover x Friction	18
4044	20104044	2-Ply 90# Polyester White Nitrile Cone Top Cover x Friction	18
4051	20104051	1-Ply 150# Plastic Mesh ZipLink White Nitrile 1/32 x Bare	17
4052	20104052	2-Ply 100# Polyester White Nitrile Heavy Cover x Friction	17
4053	20104053	3-Ply 150# Polyester White Nitrile Heavy Cover x Friction	17
4063	20104063	3-Ply 150# Polyester White Nitrile Impression Cover x Impression Cover	18
5102	20105102	Interwoven 120# Polyester White PVC Cover x Friction	15
5104	20105104	Interwoven 150# Polyester White PVC Cover x Friction	15
5106	20105106	Interwoven 120# Polyester White PVC Chevron Top x Friction	16
5109	20105109	Interwoven 350# Polyester White PVC Cover x Cover	16
5110	20105110	Interwoven 100# Polyester White PVC Roughtop x Friction	16
5111	20105111	Interwoven 90# Polyester White PVC Cover x Friction	15
5127	20105127	Interwoven 120# Polyester White PVC Crescent Top x Friction	16
VOLTA FOOD HANDLING			
2002	20102002	Volta FHW-1.5 Homogeneous Cream Polyester Smooth x Smooth	19
2003	20102003	Volta FHW-2 Homogeneous Cream Polyester Smooth x Smooth	19
2004	20102004	Volta FHW-3 Homogeneous Cream Polyester Smooth x Smooth	19
2005	20102005	Volta FHW-4 Homogeneous Cream Polyester Smooth x Smooth	19
2006	20102006	Volta FHW-5 Homogeneous Cream Polyester Smooth x Smooth	19
2007	20102007	Volta FMW-6 Homogeneous Cream TPE Smooth x Smooth	20
2008	20102008	Volta FHB-2 Homogeneous Blue Polyester Smooth x Smooth	20

SPEC #	PART #	DESCRIPTION	PAGE #
VOLTA FOOD HANDLING CONTINUED			
2009	20102009	Volta FMW-8 Homogeneous Cream TPE Smooth x Smooth	20
2010	20102010	Volta FMW-2 Homogeneous Cream TPE Smooth x Smooth	19
2011	20102011	Volta FMW-3 Homogeneous Cream TPE Smooth x Smooth	20
2012	20102012	Volta FMW-4 Homogeneous Cream TPE Smooth x Smooth	20
2013	20102013	Volta FMW-5 Homogeneous Cream TPE Smooth x Smooth	20
2014	20102014	Volta FMB-2 Homogeneous Blue TPE Smooth x Smooth	20
2015	20102015	Volta FMB-3 Homogeneous Blue TPE Smooth x Smooth	20
2016	20102016	Volta FMW-2.5 Homogeneous Cream TPE Smooth x Smooth	20
2017	20102017	Volta FHB-3 Homogeneous Blue Polyester Smooth x Smooth	20
2018	20102018	Volta FMB-4 Homogeneous Blue TPE Smooth x Smooth	20
2019	20102019	Volta FMB-5 Homogeneous Blue TPE Smooth x Smooth	20
2020	20102020	Volta FMB-6 Homogeneous Blue TPE Smooth x Smooth	20
2021	20102021	Volta FMB-8 Homogeneous Blue TPE Smooth x Smooth	20
2024	20102024	Volta FEMB-3 SP Homogeneous Blue TPE Spike x Embossed	23
2025	20102025	Volta FELB-3 SP Homogeneous Blue TPE Spike x Embossed	23
2026	20102026	Volta FELB-2 Homogeneous Blue TPE Smooth x Embossed	21
2027	20102027	Volta FELB-2.5 MC Homogeneous Blue TPE Meat-Cleat x Embossed	23
2028	20102028	Volta FRLW-4 ITR-10 Homogeneous Light Blue TPE Impression x Fabric Back	22
2029	20102029	Volta FRLW-2.5 ITO-50 Homogeneous Light Blue TPE Impression x Fabric Back	21
2030	20102030	Volta FEMB-3 ITO-50 Homogeneous Blue TPE Impression x Embossed	22
2031	20102031	Volta FELB-2.5 ACR ITO-50 Kevlar® Cord Blue TPE Impression x Embossed	22
2032	20102032	Volta FRLB-2 CEB-B Homogeneous Blue TPE Smooth x Skim Cover	23
2033	20102033	Volta FEMW-2.5 ITO-50 Homogeneous Cream TPE Impression x Embossed	21
2034	20102034	Volta FEMB-4 IRT Homogeneous Blue TPE Rooftop x Embossed	22
2035	20102035	Volta FEMB-3.5 IRT Homogeneous Blue TPE Rooftop x Embossed	22
2036	20102036	Volta FEMB-2 Homogeneous Blue TPE Smooth x Embossed	21
2037	20102037	Volta FEMB-3 MC Homogeneous Blue TPE Meat-Cleat x Embossed	23
2038	20102038	Volta FELW-3 ITO-50 Homogeneous Light Blue TPE Impression x Embossed	21
2039	20102039	Volta FEMB-3 CT Homogeneous Blue TPE Crescent x Embossed	22
2040	20102040	Volta FMB-3 CT Homogeneous Blue TPE Crescent x Smooth	22
2041	20102041	Volta FRMB-3 CEB-B Homogeneous Blue TPE Smooth x Skim Cover	23
2042	20102042	Volta FEMB-3 Homogeneous Blue TPE Smooth x Embossed	21
2043	20102043	Volta FEMB-2.5 ITO-50 Homogeneous Blue TPE Impression x Embossed	22
2044	20102044	Volta FRMW-2 Homogeneous Cream TPE Smooth x Fabric Back	21
2061	20102061	Volta FRMW-2.5 Homogeneous Cream TPE Smooth x Fabric Back	21
2062	20102062	Volta FRMW-3 Homogeneous Cream TPE Smooth x Fabric Back	21
2090	20102090	Volta FRMW-2.5 ITO-50 Homogeneous Cream TPE Impression x Fabric Back	21
VOLTA POSITIVE DRIVE			
2050	20102050	Volta FMB-2.5 DDSP Homogeneous Blue TPE Smooth x DualDrive Small Pulley	24
2056	20102056	Volta FMW-3 DD Homogeneous Cream TPE Smooth x DualDrive	24
2060	20102060	Volta FMB-3 DD Homogeneous Blue TPE Smooth x DualDrive	24
2064	20102064	Volta FMB-3 DD ITO-50 Homogeneous Blue TPE Impression x DualDrive	25
2077	20102077	Volta FMB-3 SD ITO-50 Homogeneous Blue TPE Impression x SuperDrive™	25
2078	20102078	Volta FMB-3 SD ITE Homogeneous Blue TPE Embossed Top x SuperDrive™	25
2079	20102079	Volta FMB-3 SD LT Low Temperature Homogeneous Blue TPE Smooth x SuperDrive™	25
2080	20102080	Volta FMB-3 SD Homogeneous Blue TPE Smooth x SuperDrive™	25
2081	20102081	Volta FMB-4 SD Homogeneous Blue TPE Smooth x SuperDrive™	25
2082	20102082	Volta FMW-3 SD Homogeneous Cream TPE Smooth x SuperDrive™	26
2083	20102083	Volta FMW-4 SD Homogeneous Cream TPE Smooth x SuperDrive™	26
2086	20102086	Volta FHB-3 SD Homogeneous Blue Polyester Smooth x SuperDrive™	25
2087	20102087	Volta FHB-4 SD Homogeneous Blue Polyester Smooth x SuperDrive™	25
2088	20102088	Volta FHW-3 SD Homogeneous Cream Polyester Smooth x SuperDrive™	26
2089	20102089	Volta FHW-4 SD Homogeneous Cream Polyester Smooth x SuperDrive™	26
VOLTA GENERAL CONVEYING			
2022	20102022	Volta FRG-2 Homogeneous Gray TPE Smooth x Fabric Back	26
2023	20102023	Volta FRG-3 Homogeneous Gray TPE Smooth x Fabric Back	26
2104	20102104	Volta FRGZ-4 Homogeneous Green TPE Smooth x Fabric Back	27
2105	20102105	Volta FEZ-2 Homogeneous Green TPE Smooth x Embossed	27
2106	20102106	Volta FEZ-2.5 Homogeneous Green TPE Smooth x Embossed	27
2107	20102107	Volta FEZ-3 Homogeneous Green TPE Smooth x Embossed	27

PRODUCT DIRECTORY

VOLTA ABBREVIATION KEY

ACR = Aramid Cord Reinforced

B = Blue

CEB-B = Cover Embossed Bottom

CT = Crescent Top

DD = DualDrive

DDSP = DualDrive Small Pulley

E = Embossed

F = Flat

G = Gray

H = Hard Durometer (Polyester Compound)

ITE = Impression Top Embossed

ITO-50 = Impression Top Oval

IRT = Rooftop

ITR-10 = Impression Top Rough

L = Light Durometer (TPE Compound)

LT = Low Temperature

M = Medium Durometer (TPE Compound)

MC = Meat-Cleat

R = Reinforced

SD = SuperDrive™

SP = Spike Top

ST = Sticky Top

TPE = Thermoplastic Elastomers

W = White/Cream

Z = Dark Green

VOLTA ABBREVIATION KEY

E = Embossed

F = Flat

G = Gray

L = Light Durometer (TPE Compound)

R = Reinforced

ST = Sticky Top

TPE = Thermoplastic Elastomers

Z = Dark Green

DESCRIPTION ABBREVIATION KEY

EPDM = Ethylene Propylene Diene Monomer

PVC = Poly Vinyl Chloride

PVG = Low Temperature PVC

RMV = Rubber Modified Vinyl

SBR = Styrene Butadiene Rubber

SPEC #	PART #	DESCRIPTION	PAGE #
VOLTA GENERAL CONVEYING CONTINUED			
2108	20102108	Volta FEZ-4 Homogeneous Green TPE Smooth x Embossed	27
2109	20102109	Volta FRL-3 Homogeneous Brown TPE Smooth x Fabric Back	27
2110	20102110	Volta FRL-5 Homogeneous Brown TPE Smooth x Fabric Back	27
2111	20102111	Volta FRG-ST-3.5 Homogeneous Green TPE Smooth x Fabric Back	27
2112	20102112	Volta FRG-ST-5.0 Homogeneous Green TPE Smooth x Fabric Back	27
2113	20102113	Volta FRGZ-3 Homogeneous Green TPE Smooth x Fabric Back	27
PACKAGE HANDLING			
90	24005272	Interwoven 90# Polyester Red Urethane Cover x Brushed (Novex)	33
3808	20103808	2-Ply 100# Spun Polyester Green PVG Matte Cover x Matte Cover	28
4101	20104101	3-Ply 42# Cotton/Polyester Brown Nitrile Friction x Friction	28
4102	20104102	2-Ply 100# Polyester Monofilament Black Urethane Cover x Bare Anti-static	32
4103	20104103	5-Ply 70# Cotton/Polyester Brown Nitrile Friction x Friction	28
4104	20104104	7-Ply 98# Cotton/Polyester Brown Nitrile Friction x Friction	28
4106	20104106	3-Ply 150# Spun Polyester Tan PVC Friction x Brushed	28
4108	20104108	3-Ply 150# Spun Polyester Black PVC Friction x Brushed	28
4109	20104109	4-Ply 200# Spun Polyester Black PVC Friction x Brushed	29
4110	20104110	3-Ply 105# Cotton/Polyester Tan SBR Transmission Friction x Friction	29
4111	20104111	4-Ply 120# Cotton/Polyester Tan SBR Transmission Friction x Friction	29
4112	20104112	4-Ply 180# Polyester/Nylon Black Nitrile 3/32 Cover x Bare	29
4113	20104113	4-Ply 200# Polyester Black Nitrile Friction x Friction	29
4115	20104115	3-Ply 105# Cotton/Polyester Black SBR Transmission Friction x Friction	30
4116	20104116	4-Ply 120# Cotton/Polyester Black SBR Transmission Friction x Friction	30
4117	20104117	3-Ply 90# Cotton/Polyester White HS&W Cotton x Friction	30
4118	20104118	3-Ply 90# Cotton/Polyester White SBR HS&W Silicone Cover x Friction	30
4119	20104119	3-Ply 105# Cotton/Polyester White SBR Hot Stock & Water Silicone Cover x Friction	30
4121	20104121	3-Ply 105# Cotton/Polyester Red Hot Stock & Water Silicon Skim Cover x Friction	30
4122	20104122	1-Ply 150# Plastic Mesh ZipLink Blue Carboxylated Nitrile Smooth x Bare	32
4127	20104127	2-Ply 100# Polyester Monofilament Black PVC Bare x Bare	30
4129	20104129	4-Ply 150# Sliptop Polyester Tan Nitrile Bare Nylon x Friction	31
4130	20104130	3-Ply 150# Polyester Monofilament Black PVC Bare x Bare	30
4131	20104131	3-Ply 150# Polyester/Nylon Black Nitrile Cover x Friction	29
4133	20104133	3-Ply 150# Polyester Monofilament Green PVC Heavy Cover x Bare	32
4134	20104134	2-Ply 100# Polyester Monofilament Green PVC Heavy Cover x Bare	32
4136	20104136	Needled 120# Polyester Black PVC Friction x Brushed	29
4137	20104137	2-Ply 100# Polyester Monofilament Black RMV Cover x Bare	31
4138	20104138	2-Ply 100# Polyester Monofilament Green PVC Cover x Bare Anti-static	32
4140	20104140	2-Ply 60# Polyester Monofilament Black PVC Matte Cover x Bare Checkout	31
4142	20104142	2-Ply 100# Spun Polyester Black RMV Cover x Friction	31
4143	20104143	3-Ply 150# Spun Polyester Black RMV Cover x Friction	31
4145	20104145	2-Ply 60# Polyester Multi/Monofilament Black PVC Light Impression Cover x Bare	31
4148	20104148	2-Ply 100# Polyester Monofilament Clear Urethane Pebbletop x Bare Anti-static	33
4149	20104149	2-Ply 100# Polyester Monofilament Green Urethane Cover x Bare	32
4150	20104150	2-Ply 150# Spun Polyester Clear Urethane Cover x Friction	33
4152	20104152	2-Ply 100# Polyester Monofilament Clear Urethane Cover x Bare Anti-static	32
4153	20104153	2-Ply 100# Polyester Monofilament Clear PVC Hard Cover x Bare	32
4154	20104154	Needled 135# Polyester Green Nitrile Friction x Brushed	33
4156	20104156	Interwoven 120# Polyester Red Urethane Cover x Brushed (All Urethane)	33
4173	20104173	3-Ply 150# Polyester Monofilament Black RMV Cover x Bare Anti-static	31
4174	20104174	2-Ply 160# Polyester Gray EPDM Teflon® Cover x Bare	33
4176	20104176	Interwoven 200# Polyester Red Urethane Cover x Brushed	33
4180	20104180	Needled 120# Polyester Black Nitrile Friction x Black	33
PVC BELTING			
73	20040009	Interwoven 450# Polyester Black PVC Cover x Cover Fire Retardant/Static Conductive	35
185	20035530	Interwoven 200# Polyester Black PVC Crescent Top x Brushed	36
4144	20104144	2-Ply 150# Polyester Black PVG Matte Cover x Brushed	36
4146	20104146	2-Ply 150# Polyester Black PVG Matte Cover x Matte Cover	36
4160	20104160	2-Ply 65# Polyester Monofilament Gray PVC Smooth Sticky Top x Bare	37
4162	20104162	2-Ply 90# Polyester Monofilament Gray PVC Snake Skin Sticky Top x Bare	37
4163	20104163	3-Ply 135# Polyester Monofilament Gray PVC Smooth Sticky Top x Bare	37
4324	20104324	Interwoven 120# Polyester Black PVC Chevron Top x Brushed	36
4326	20104326	2-Ply 100# Polyester Monofilament Gray PVC V-runner x Bare	37

PRODUCT DIRECTORY

DESCRIPTION ABBREVIATION KEY

EXW = Unique Sine Wave Cover

PVC = Poly Vinyl Chloride

SBR = Styrene Butadiene Rubber

SPEC #	PART #	DESCRIPTION	PAGE #
PVC BELTING CONTINUED			
4327	20104327	Interwoven 120# Polyester Black PVC Crescent Top x Brushed	36
4328	20104328	2-Ply Polyester Black PVC Longitudinal Rib x Bare Whisper Weave Anti-static/Fire Retardant	37
4329	20104329	Interwoven 120# Polyester Black PVG Z-top x Brushed	36
4340	20104340	Needled 120# Polyester Black PVC V-Runner x Brushed	37
4367	20104367	3-Ply 225# Polyester Tan SBR Diamond Top x Bare	37
SPEC #	**PART #**	**DESCRIPTION**	**PAGE #**
PVC BELTING CONTINUED			
4383	20104383	3-Ply 150# Polyester Monofilament Black PVC Waffle Top x Bare	38
4392	20104392	2-Ply 100# Spun Polyester Black RMV Pebbletop x Friction	38
4393	20104393	2-Ply 100# Polyester Monofilament Black PVC Quad Top x Bare	38
5040	20105040	Interwoven 120# Polyester Black PVC Friction x Brushed	34
5042	20105042	Interwoven 120# Polyester Black PVC Cover x Cover	34
5045	20105045	Interwoven 120# Polyester Black PVC Cover x Brushed	34
5050	20105050	Interwoven 150# Polyester Black PVC Friction x Brushed	34
5051	20105051	Interwoven 150# Polyester Black PVC Cover x Brushed	34
5052	20105052	Interwoven 150# Polyester Black PVC Cover x Cover	34
5060	20105060	Interwoven 200# Polyester Black PVC Friction X Brushed	35
5061	20105061	Interwoven 200# Polyester Black PVC Cover x Brushed	35
5062	20105062	Interwoven 200# Polyester Black PVC Cover x Cover Fire Retardant/Static Conductive	35
5065	20105065	Interwoven 250# Polyester Black PVC Cover x Cover Fire Retardant/Static Conductive	35
5072	20105072	Interwoven 350# Polyester Black PVC Cover x Cover Fire Retardant/Static Conductive	35
INCLINE BELTING			
61B	20035509	Interwoven 150# Polyester Black PVC Roughtop x Friction	40
4301	20104301	2-Ply 150# Polyester Black SBR Roughtop x Bare	38
4302	20104302	3-Ply 120# Cotton/Polyestr Black SBR Roughtop x Bare	38
4304	20104304	2-Ply 150# Polyester Tan Natural Rubber Roughtop x Bare	39
4305	20104305	3-Ply 225# Polyester Tan Natural Rubber Roughtop x Bare	39
4307	20104307	3-Ply 150# Polyester Blue Carboxylated Nitrile Roughtop x Friction	39
4308	20104308	3-Ply 150# Polyester/Nylon Brown Nitrile Roughtop x Bare	40
4309	20104309	3-Ply 150# Polyester/Nylon Orange Carboxylated Nitrile Roughtop x Bare	39
4310	20104310	3-Ply 150# Polyester/Nylon Brown Nitrile V-top x Friction	41
4311	20104311	3-Ply 150# Polyester/Nylon Tan Pure Gum V-top x Friction	41
4312	20104312	3-Ply 105# Cotton/Polyester Black SBR V-top x Friction	41
4313	20104313	2-Ply 150# Polyester Tan SBR Siped Diamond Top x Bare	41
4314	20104314	2-Ply 150# Polyester Black SBR Siped Diamond Top x Bare	42
4315	20104315	3-Ply 90# Cotton/Polyester Tan Natural Rubber Steep-Grade x Friction	42
4317	20104317	2-Ply 150# Polyester Black SBR Steep-Grade x Bare	42
4321	20104321	Interwoven 120# Polyester Black PVC Roughtop x Friction	40
4322	20104322	Interwoven 110# Polyester Green PVC Extra Grip Roughtop x Brushed	40
4330	20104330	2-Ply 90# Multifilament Blue Carboxylated Nitrile Roughtop x Bare	39
4334	20104334	3-Ply 90# Cotton/Polyester Black SBR Steep-Grade x Friction	42
4339	20104339	2-Ply 105# Polyester Monofilament Red Natural Rubber Longitudnal Rib x Bare	38
4346	20104346	2-Ply 100# Polyester Monofilament Green PVC Roughtop x Bare	41
4350	20104350	2-Ply 100# Polyester Monofilament Green PVC Roughtop x Bare	41
4351	20104351	3-Ply 150# Polyester Tan Nitrile Roughtop x Friction	40
4357	20104357	Interwoven 200# Polyester Red PVC Roughtop x Brushed	40
4360	20104360	3-Ply 225# Polyester Red Carboxylated Nitrile Roughtop x Bare	39
4374	20104374	3-Ply 240# Polyester Tan SBR Diamond Top x Bare	41
4375	20104375	3-Ply 225# Polyester Black SBR Diamond Top x Bare	42
4377	20104377	3-Ply 150# Polyester/Nylon Blue Carboxylated Nitrile Roughtop x Bare	39
4378	20104378	1-Ply 150# Plastic Mesh ZipLink Blue Carboxylated Nitrile Roughtop x Bare	39
4379	20104379	1-Ply 150# Plastic Mesh ZipLink Tan Diamond Top x Bare	42
4391	20104391	Interwoven 120# Polyester Black PVC Roughtop x Brushed	40
HEAVY-DUTY BELTING			
INDUSTRIAL BELT			
1	20027202	2-Ply 150# 1/32 x Bare Grade 2	44
2	20027301	2-Ply 150# 1/32 x 1/32 Grade 2	44
3	20000010	2-Ply 150# 1/8 x 1/32 Grade 2	44
6A	20029525	2-Ply 220# 1/8 x Bare Grade 2	44
8	20013600	2-Ply 220# 1/8 x 1/16 Grade 2	45
9	20017500	2-Ply 220# 3/16 x 1/16 Grade 2	45
11	20023005	3-Ply 330# 3/16 x 1/16 Grade 2	45

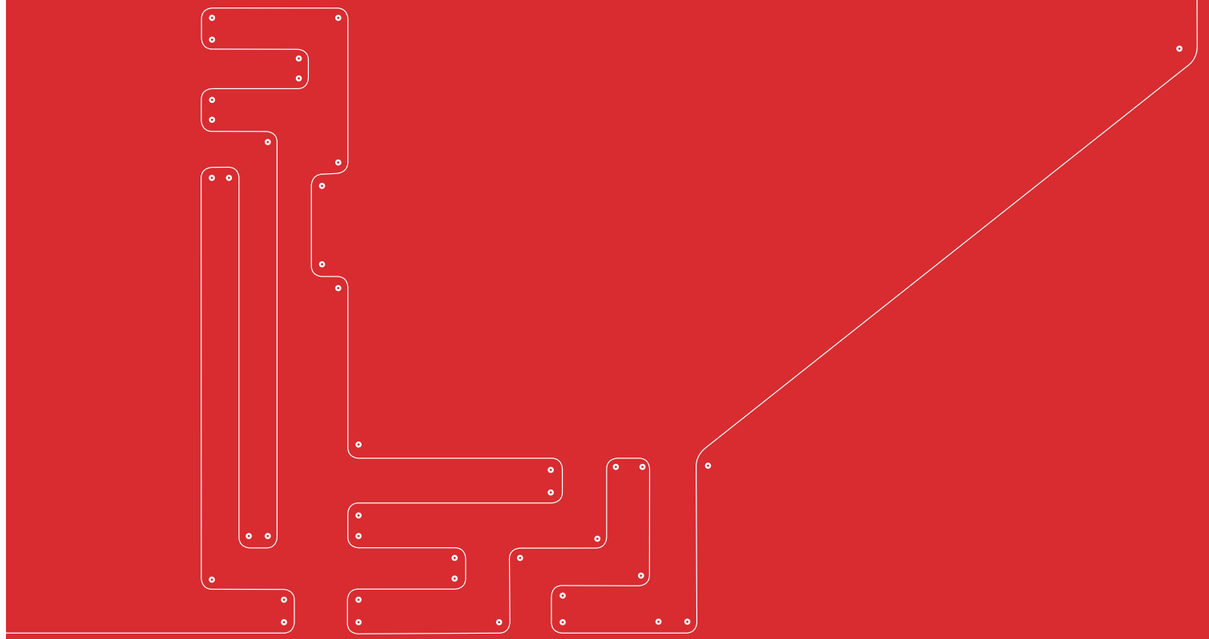
APACHE division of Motion Industries

WARNING: Cancer and Reproductive Harm–www.P65Warnings.ca.gov

INDUSTRIAL BELT CONTINUED			
12	20026039	3-Ply 330# 1/4 x 1/16 Grade 2	45
13	20026815	4-Ply 440# 1/4 x 1/16 Grade 2	45
14B	20241012	3-Ply 600# 3/8 x 3/32 Grade 1	46
15	20017538	2-Ply 400# 5/16 x 1/16 Grade 2	45
246A	20029850	1-Ply 440# 1/4 x 1/8 Grade 1	46
SPEC #	**PART #**	**DESCRIPTION**	**PAGE #**
GRAIN BELT			
21	20027200	2-Ply 150# 1/32 x Bare Moderate Oil Resistance	46
23A	20021628	2-Ply 220# 1/16 x 1/16 Static Conductive Oil Resistant Fire Retardant Grain	46
25A	20021630	3-Ply 330# 1/16 x 1/16 Static Conductive Oil Resistant Fire Retardant Grain	46
27A	20021635	3-Ply 600# 1/16 x 1/16 Static Conductive Oil Resistant Fire Retardant Grain	46
SPECIAL SERVICE BELT			
24B	20017332	2-Ply 220# 3/16 x 1/16 Moderate Oil Resistance	47
26A	20021820	3-Ply 330# 3/16 x 1/16 Moderate Oil Resistance	47
26B	20029734	3-Ply 330# 3/16 x Bare Moderate Oil Resistance	47
26C	20029690	2-Ply 220# 1/8 x Bare Moderate Oil Resistance	47
29	20021239	2-Ply 220# 3/16 x 1/16 Super-Freeze	49
41	20021199	2-Ply 220# 3/16 x 1/16 400° Maxi-Heat	47
41A	20021237	2-Ply 220# 3/16 x 1/16 700° Super-Heat	47
42	20021030	2-Ply 220# 3/16 x 1/16 350° Super Oil Resistant Hot Asphalt	48
42A	20021093	3-Ply 330# 3/16 x 1/16 350° Super Oil Resistant Hot Asphalt	48
43A	20026790	3-Ply 330# 1/4 x 1/16 700° Super-Heat	48
43B	20029019	3-Ply 330# 3/16 x 1/16 700° Super-Heat	48
44	20026793	3-Ply 330# 1/4 x 1/16 Super-Freeze	49
71	20029577	2-Ply 220# Continuous Chevron Top x Bare	49
81	20029739	3-Ply 225# 1/8 x Bare Moderate Oil Resistance	47
177	20026766	3-Ply 330# 1/4 x 1/16 450° Maxi-Heat	48
177A	20021375	3-Ply 330# 3/16 x 1/16 400° Maxi-Heat	48
216	20029520	2-Ply 150# 1/16 Mini-Bite x Bare Moderate Oil Resistance	49
284	20026819	4-Ply 440# 1/4 x 3/32 400° Maxi-Heat	48
284A	20026820	4-Ply 440# 1/4 x 3/32 700° Super-Heat	49
290	20026823	4-Ply 440# 1/4 x 3/32 Super-Freeze	49
4415	20104415	2-Ply 220# 1/16 Mini-Bite x Bare Grade 2	49
MOLDED CHEVRON BELT			
56B	20029602	2-Ply 220# 1/8 x Bare Durocleat™ Moderate Oil Resistance	50
57A	20029603	2-Ply 220# 1/8 x 1/16 Durocleat™ Grade 2	50
58	20029601	2-Ply 220# 1/8 x 1/16 Durocleat™ Moderate Oil Resistance	50
59B	20029615	3-Ply 330# 1/8 x 1/16 Durocleat™ Moderate Oil Resistance	50
178	20029605	3-Ply 330# 1/8 x 1/16 Durocleat™ Grade 2	50
247	20029607	3-Ply 330# 1/8 x Bare Durocleat™ Moderate Oil Resistance	50
281	20029620	2-Ply 220# 5/8 x 16 Durochev™ with 5/8 High x 16 Overall Width Molded Chevrons	50

LIGHTWEIGHT BELTING

The Apache has lightweight belting for package handling, food handling, and assembly line production. Versatile, strong, and hardworking belting products designed specifically to meet individual application needs.



DESCRIPTION ABBREVIATION KEY

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PVC = Poly Vinyl Chloride

RMV = Rubber Modified Vinyl

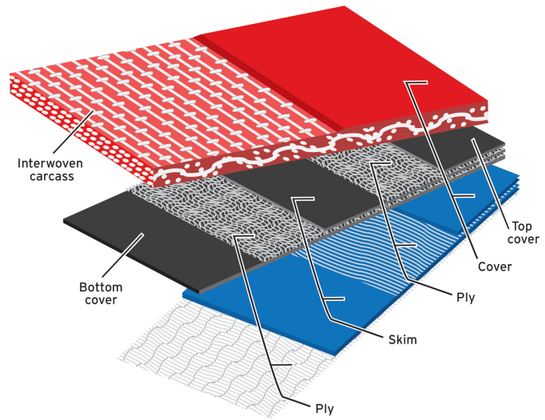
FOOD HANDLING

Although the FDA and EU regulatory systems have similar objectives, their systems of operation vary. Approval of one does not equal approval by the other.

BELT CONSTRUCTION

We offer the industry's broadest range of lightweight belting specifications and fabricated products:

- Interwoven polyester with PVC and polyurethane covers
- European-style PVC and polyurethane, with spun polyester and polyester monofilament carcasses to fit specific application needs
- Conventional rubber
- Profile top covers for all incline needs
- Textured bottom covers for additional gripping power on pulleys



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER WHITE URETHANE BARE X BARE							
3800	20103800	0°F to 180°F	0.078"	0.040	1"	FDA, EU	UCM36-SP Clipper®, #1A Alligator®, RS62 Staple

This belt provides excellent service in a wide variety of food processing applications. The urethane-impregnated surface makes it a popular choice for rolling and forming, as well as some cutting and packing applications. Urethane skim prevents delamination, and provides excellent splicing strength and appearance. Strong with the flexibility required in today's food processing applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER WHITE RMV COVER X FRICTION							
3801	20103801	20°F to 180°F	0.109"	0.060	1.5"	FDA	UX1 Clipper®, #7 Alligator®, RS125 Staple
3-PLY 150# POLYESTER WHITE RMV COVER X FRICTION							
3804	20103804	20°F to 180°F	0.14"	0.080	2.5"	FDA	U2 Clipper®, #15 Alligator®, RS125 Staple

Constructed with multiple plies of spun polyester, this carcass provides great tracking, with excellent strength and lace holding ability. A premium, lightweight product that is extremely versatile.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT WHITE RMV BARE X BARE							
3806	20103806	14°F to 176°F	0.071"	0.029	1"	FDA, EU	UCM36 Clipper®, #7 Alligator®, RS62 Staple

This belt features an RMV-impregnated polyester monofilament carcass that offers superior service in many applications where it is critical the belt lay flat. The fabric provides great flexibility, reduced belt loading due to low friction, and superior belt tracking. Can be easily spliced endless and is available with a full range of fabrications.

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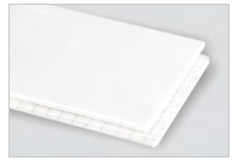
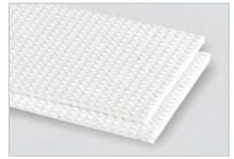
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT WHITE RMV COVER X BARE ANTI-STATIC							
3805	20103805	5°F to 176°F	0.078"	0.047	1.18"	FDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple
3-PLY 150# POLYESTER MONOFILAMENT WHITE RMV COVER X BARE ANTI-STATIC							
3815	20103815	14°F to 176°F	0.154"	0.075	3.5"	FDA, EU	U2 Clipper®, #15 Alligator®, RS125 Staple



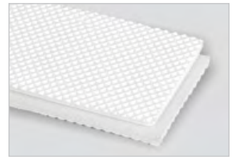
This belt features an RMV-impregnated polyester monofilament carcass that offers superior service in many applications where it is critical the belt lay flat. The fabric provides great flexibility, reduced belt loading due to low friction, and superior belt tracking. Can be easily spliced endless and is available with a full range of fabrications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# COTTON/POLYESTER WHITE RMV COTTON TOP X BARE ANTI-STATIC							
3828	20103828	14°F to 176°F	0.109"	0.040	1.57"	FDA	UX1SP Clipper®, #7 Alligator®, RS62 Staple



This high-quality synthetic cotton belt is increasingly popular as a replacement to solid woven cotton belting. This is especially true in bread, cracker, and pretzel manufacturing. Combining the proven performance of cotton fiber and polyester monofilament construction, these belts can be finger spliced for a smooth, strong and flexible splice.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT WHITE RMV QUAD COVER X BARE ANTI-STATIC							
3822	20103822	0°F to 160°F	0.102"	0.051	2"	FDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple



Used in many food packaging, bakery, and candy applications. Light oil resistance makes these belts an option for some industrial applications as well. Because these products are thermoplastic, they can be easily finger spliced.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 50# POLYESTER MONOFILAMENT WHITE RMV PEBBLETOP COVER X BARE							
3821	20103821	20°F to 180°F	0.080"	0.045	1"	FDA	UX1 Clipper®, #7 Alligator®, RS62 Staple

Used in many food packaging, bakery, and candy applications. Light oil resistance makes these belts an option for some industrial applications as well. Because these products are thermoplastic, they can be easily finger spliced.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER WHITE RMV PEBBLETOP COVER X FRICTION							
3870	20103870	20°F to 180°F	0.115"	0.056	1.5"	FDA	UX1 Clipper®, #7 Alligator®, RS62 Staple
3-PLY 150# POLYESTER WHITE RMV PEBBLETOP COVER X FRICTION							
3871	20103871	20°F to 180°F	0.157"	0.083	2.5"	FDA	U2 Clipper®, #15 Alligator®, RS125 Staple

Used in many food packaging, bakery, and candy applications. Light oil resistance makes these belts an option for some industrial applications as well. Because these products are thermoplastic, they can be easily finger spliced.

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SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER WHITE RMV MEAT-CLEAT COVER X FRICTION							
3873	20103873	20°F to 180°F	0.25"	0.090	1.5"	FDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

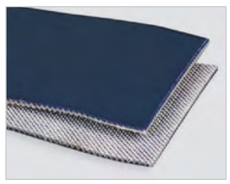
Used in many food packaging, bakery, and candy applications. Light oil resistance makes these belts an option for some industrial applications as well. Because these products are thermoplastic, they can be easily finger spliced.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
1-PLY 34# POLYESTER MONOFILAMENT WHITE URETHANE COVER X BARE							
3840	20103840	0°F to 180°F	0.028"	0.013	Nose Bar	FDA, EU	#0 Alligator®
2-PLY 65# POLYESTER MONOFILAMENT WHITE URETHANE COVER X BARE							
3841	20103841	-4°F to 212°F	0.051"	0.024	3"	FDA, USDA, EU	UCM36SP Clipper®, #7 Alligator®, RS62 Staple
2-PLY 75# POLYESTER MONOFILAMENT WHITE URETHANE COVER X BARE ANTI-STATIC							
3859	20103859	-4°F to 212°F	0.055"	0.026	0.31"	FDA, USDA	UCM36 Clipper®, #1A Alligator®, RS62 Staple

The preferred belting style in most applications in today's food industries, including candy & confectionery, baking, fruit & vegetables, pickles, canning, and meat & poultry processing. The lightweight, low friction bottom make these among the most efficient belts on the market. They are also commonly used in industrial applications when a non-marking or a light-colored, abrasion resistant belt is required.

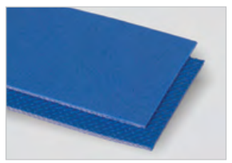
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 34# POLYESTER WHITE URETHANE COVER X BARE							
3839	20103839	-22°F to 176°F	0.062"	0.034	0.39"	FDA, EU	UCM36SP Clipper®, #1A Alligator®, RS62 Staple

The preferred belting style in most applications in today's food industries, including candy & confectionery, baking, fruit & vegetables, pickles, canning, and meat & poultry processing. The lightweight, low friction bottom make these among the most efficient belts on the market. They are also commonly used in industrial applications when a non-marking or a light-colored, abrasion resistant belt is required.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLUE URETHANE MATTE COVER X RICE PATTERN							
3807	20103807	-60°F to 230°F	0.051"	0.02	0.4"	FDA, EU, REACH	UCM36 XSP Clipper®, #00 Alligator®

This 2-ply cross-rigid, food approved belt has a smooth, dark blue Hytrel cover which offers superior release – making it a perfect choice for bakery and confectionary applications such as dough handling and cooling tunnels. Belt can be steam cleaned, and resists flex fatigue from running over very small pulleys.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLUE URETHANE MATTE COVER X RICE PATTERN							
3854	20103854	0°F to 180°F	0.071"	0.030	1"	FDA, EU	UCM36SP Clipper®, #1 Alligator®, RS62 Staple

This belt has exceptional dimensional stability, and lies perfectly flat. The 100% urethane cover and rice-pattern bottom keep build up to a minimum.

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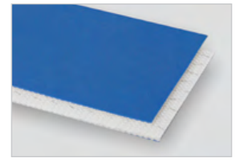
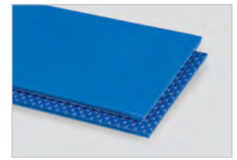


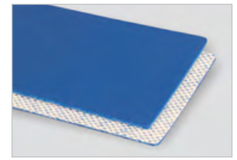
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLUE URETHANE MATTE COVER X BARE ANTI-STATIC							
3855	20103855	0°F to 180°F	0.067"	0.036	1.18"	FDA, EU	UCM36SP Clipper®, #1 Alligator®, RS62 Staple

This belt is used primarily in Z-conveyors and food processing applications.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLUE PVC COVER X QUAD							
3818	20103818	14°F to 176°F	0.106"	0.055	2"	FDA, USDA, EU	UCM36 Clipper®, #1 Alligator®, RS62 Staple

This 2-ply, blue, PVC belt has smooth cover and a quad impression bottom. Designed to run on a slider bed, the quad bottom primarily serves as a barrier to keep contamination from the carcass. Quite often the belt edges are capped/sealed making this an excellent choice for cheese plants and produce processing. Profiles, cleats, guides, and sidewall can easily be welded to the belt.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 65# POLYESTER BLUE URETHANE COVER X BARE (NON FRAY)							
3852	20103852	-4°F to 212°F	0.051"	0.026	.5"	FDA, EU	UCM36SP Clipper®, #1 Alligator®, RS62 Staple

Fast becoming a favorite in the snack food and confectionery industries, this belt offers a unique belt carcass that resists edge fraying.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 65# POLYESTER WHITE URETHANE COVER X BARE (NON FRAY)							
3853	20103853	0°F to 180°F	0.062"	0.022	.5"	FDA, EU	UCM36SP Clipper®, #1 Alligator®, RS62 Staple

Fast becoming a favorite in the snack food and confectionery industries, this belt offers a unique belt carcass that resists edge fraying.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT WHITE SILICONE COVER X BARE							
3880	20103880	-27°F to 212°F	0.067"	0.035	1.97"	FDA, EU	UCM36 Clipper®, #1 Alligator®, RS62 Staple

Silicone characteristics of this belt give it an easy clean, non-cracking surface for enhanced hygiene, and is non-absorbent with oil and grease resistance. This belt is preferred in a wide variety of applications, especially those involving hot, sticky products requiring good release characteristics.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
INTERWOVEN 90# POLYESTER WHITE PVC COVER X FRICTION							
5111	20105111	0°F to 180°F	0.093"	0.05	1.5"	FDA, USDA	UX1SP Clipper®, #7 Alligator®, RS62 Staple
INTERWOVEN 120# POLYESTER WHITE PVC COVER X FRICTION							
5102	20105102	0°F to 180°F	0.125"	0.059	2"	FDA, USDA	UX1 Clipper®, #7 Alligator®, RS125 Staple
INTERWOVEN 150# POLYESTER WHITE PVC COVER X FRICTION							
5104	20105104	20°F to 180°F	0.165"	0.083	2.5"	FDA, USDA	U2 Clipper®, #15 Alligator®, RS125 Staple

Popular and versatile belts for a variety of food processing applications. Can wrap small pulleys. FDA approved and USDA accepted.

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SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
INTERWOVEN 350# POLYESTER WHITE PVC COVER X COVER							
5109	20105109	0°F to 180°F	0.313"	0.150	8"	FDA, USDA	#140 Solid Plate, #550 Bolt On, #R5 Rivet

Designed for elevator applications and is a favorite for handling grains, salts and food products. Low stretch carcass and excellent bolt holding ability. FDA approved and USDA accepted.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER WHITE PVC CHEVRON TOP X FRICTION							
5106	20105106	20°F to 180°F	0.25"	0.085	2"	FDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

Excellent belt for moving bulk or free flowing materials, such as grains, food stuffs, feeds, and fertilizers up steep inclines. Alternating rows of solid PVC chevrons form a herringbone pattern which returns belt smoothly and quietly. Meets FDA requirements.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER WHITE PVC CRESCENT TOP X FRICTION							
5127	20105127	0°F to 180°F	0.232"	0.072	3"	FDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

Crescent half-moon shaped profiles project from belt surface to effectively move packaged and bulk materials. The crescent top profile has an overlap design to assure smooth and quiet running on return rolls. Meets FDA requirements.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
INTERWOVEN 100# POLYESTER WHITE PVC ROUGHTOP X FRICTION							
5110	20105110	20°F to 180°F	0.25"	0.080	2"	FDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

Popular roughtop profile provides high grip characteristics for moving boxes, packages, and cases for both incline and decline applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
3-PLY 69# POLYESTER WHITE NITRILE FRICTION X FRICTION							
4002	20104002	20°F to 212°F	0.093"	0.046	3"	FDA, USDA	UX1SP Clipper®, #7 Alligator®, RS62 Staple

A light and versatile food grade belt with traditional white nitrile covers to withstand the effects of oil, grease, and fats. Can wrap a 3" diameter pulley. FDA approved and USDA accepted.

DESCRIPTION ABBREVIATION KEY

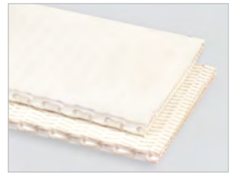
FDA = Food and Drug Administration

PVGE = Poly Vinyl Grain Elevator

USDA = United States Department of Agriculture

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 70# POLYESTER WHITE NITRILE COVER X FRICTION							
4016	20104016	20°F to 212°F	0.098"	0.050	2"	FDA, USDA	UX1SP Clipper®, #7 Alligator®, RS62 Staple
3-PLY 105# POLYESTER WHITE NITRILE COVER X FRICTION							
4017	20104017	20°F to 212°F	0.128"	0.064	2"	FDA, USDA	UX1 Clipper®, #7 Alligator®, RS125 Staple
3-PLY 150# POLYESTER WHITE NITRILE COVER X FRICTION							
4013	20104013	20°F to 212°F	0.135"	0.070	3"	FDA, USDA	UX1 Clipper®, #15 Alligator®, RS125 Staple

Popular belt for a wide variety of food grade applications. Nitrile covers offer excellent resistance to oil, grease, and fats. FDA approved and USDA accepted.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 220# POLYESTER WHITE PVGE 1/16 COVER X 1/16 COVER							
4051	20104051	0°F to 250°F	0.135"	0.071	3"	FDA	ZipLink Splice

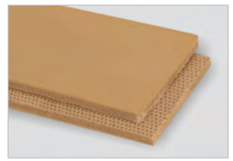
This belt features a smooth, white nitrile cover on a polyester monofilament spiral mesh carcass. The ZipLink design eliminates mechanical lace and repalces time consuming, costly, vulcanized endless splices. Featuers a longer service life due to no "weak link". The smooth nitrile cover offers good cut and abrasion resistance, as well as excellent oil resistance. Troughable and easily tracked, this is an ideal belt for food and oily applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 100# POLYESTER WHITE NITRILE HEAVY COVER X FRICTION							
4052	20104052	0°F to 250°F	0.145"	0.081	3"	FDA, USDA	UX1 Clipper®, #15 Alligator®, RS125 Staple
3-PLY 150# POLYESTER WHITE NITRILE HEAVY COVER X FRICTION							
4053	20104053	0°F to 250°F	0.196"	0.097	4"	FDA, USDA	U3 Clipper®, #25 Alligator®, RS187 Staple

Thicker white nitrile top cover to better withstand abuse and the effects of oil, grease. and fats in tougher applications. FDA approved and USDA accepted.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 220# POLYESTER WHITE PVGE 1/16 COVER X 1/16 COVER							
67B	20038509	-20°F to 180°F	0.25"	0.126	8"	FDA	#4 Clipper®, #27 Alligator®, RS187 Staple, #140 Solid Plate, #375X Bolt On

Excellent heavy-duty food grade belt, ideal for handling bulk foods such as salt, sugar, and grain. Good elevator belt with anti-static properties, and low temperature rating.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON TAN NITRILE COVER X FRICTION							
4015	20104015	0°F to 250°F	0.109"	0.064	3"	FDA, USDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

Nitrile cover offers excellent resistance to oil, grease, and fats. Popular for sorting lines and tomato processing. FDA approved and USDA accepted.

DESCRIPTION ABBREVIATION KEY

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
3-PLY 150# POLYESTER WHITE NITRILE IMPRESSION COVER X IMPRESSION COVER							
4063	20104063	0°F to 250°F	0.264"	0.145	6"	FDA	U4 Clipper®, #25 Alligator®, RS187 Staple

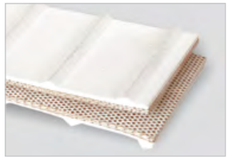
This belt is widely accepted in Europe. Though specifically designed for the sugar industry, it has proven to be a problem solver in various applications such as salt mining, cut glass, and chemical compatibility.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
3-PLY 105# POLYESTER WHITE BUTYL COVER X FRICTION							
4023	20104023	-65°F to 300°F	0.106"	0.053	2.5"	FDA	UX1 Clipper®, #7 Alligator®, RS62 Staple

Excellent temperature range for both freezer and high-heat applications such as packaging, sealer, and shrink tunnels.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
3-PLY 105# POLYESTER WHITE NITRILE TEFLON® COVER X FRICTION							
4025	20104025	0°F to 250°F	0.079"	0.044	2"	FDA, USDA	UX1 Clipper®, #7 Alligator®, RS62 Staple

Excellent product for conveying and releasing wet, sticky materials. Popular in bakery and confectionery, as well as industrial applications to handle glues and coatings. FDA approved and USDA accepted.

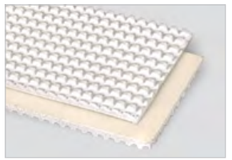


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 150# POLYESTER WHITE MEAT-CLEAT COVER X FRICTION							
4040	20104040	0°F to 250°F	0.25"	0.091	2"	FDA, USDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

Nitrile rubber belt featuring a mini-cleat profile. Used in incline applications involving packaged meat and food processing, as well as where a more aggressive top cover is required.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 70# POLYESTER WHITE NITRILE TYLER WIRE COVER X FRICTION							
4042	20104042	0°F to 250°F	0.109"	0.050	1.5"	FDA, USDA	UCM36 Clipper®, #7 Alligator®, RS62 Staple
3-PLY 105# POLYESTER WHITE NITRILE TYLER WIRE COVER X FRICTION							
4043	20104043	0°F to 250°F	0.14"	0.065	2.5"	FDA, USDA	UX1 Clipper®, #7 Alligator®, RS125 Staple

Popular food grade belt for use in slight inclines and where a textured cover provides better gripping characteristics. FDA approved and USDA accepted.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
2-PLY 90# POLYESTER WHITE NITRILE CONE TOP COVER X FRICTION							
4044	20104044	0°F to 250°F	0.137"	0.055	2"	FDA	UCM36 Clipper®, #7 Alligator®, RS62 Staple

Nitrile rubber impression top. Used in many food applications where a more aggressive top cover is required. Often used in bun slicers and other bread and bakery applications.

VOLTA BELTING

Volta belting is tough, versatile, and easy to maintain. The homogeneous, no-ply construction eliminates the need to have edge capping and its non-absorbent material makes the belts bacteria-resistant and impenetrable by most chemicals. These advantages create a belt that performs well in a variety of food processing and general conveying environments.

VOLTA FOOD BELT

The food processing industry's needs are broad and its requirements are stringent. For such challenging needs, Apache recommends the Volta homogeneous product line. These belts perform well in a variety of food processing environments. Cheese, poultry, meat, fish, seafood, fruits, vegetables, chocolates, snacks, potatoes, nuts, and bakery facilities are all great places for recommending this product. Volta belting is available in blue or cream, is FDA/USDA approved, and also 3A Dairy certified.

IN THESE INDUSTRIES YOU WILL FIND A VARIETY OF APPLICATIONS, BUT SOME OF THE MOST POPULAR INCLUDE:

- Dicing equipment
- De-boning operations
- Dough return conveyors
- Dump and pack tables
- Inspection lines
- Knife edge transfer lines
- Lettuce washing machines
- Metal detectors
- Optical scanners
- Press machines
- Slicing/filleting applications
- Vegetable washing lines

Because these applications require a variety of specifications, this product line offers multiple covers and has a variety of fabrication options. The crescent top and spike top are ideal for chicken slicing lines. Cleated sidewall belts can carry any grouping of food product up most inclines. The meat-cleat and IRT (rooftop) profiles can be used to elevate the product and allow for runoff, as well as to hold the product in place on light inclines. The Volta homogeneous ITO-50 offers a low profile impression.

SPEC#	PART#	TEMP.	PULL FORCE PRETENSION i%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FHW-1.5 HOMOGENEOUS CREAM POLYESTER SMOOTH X SMOOTH								
2002	20102002	-5°F to 140°F	8.4	1.5 mm	0.030	2"	FDA, USDA, EU, 3A Dairy	UCM36SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FHW-2 HOMOGENEOUS CREAM POLYESTER SMOOTH X SMOOTH								
2003	20102003	-5°F to 140°F	11.2	2 mm	0.040	2.75"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FHW-3 HOMOGENEOUS CREAM POLYESTER SMOOTH X SMOOTH								
2004	20102004	-5°F to 140°F	16.8	3 mm	0.060	3.5"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FHW-4 HOMOGENEOUS CREAM POLYESTER SMOOTH X SMOOTH								
2005	20102005	-5°F to 140°F	22.4	4 mm	0.080	4.375"	FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FHW-5 HOMOGENEOUS CREAM POLYESTER SMOOTH X SMOOTH								
2006	20102006	-5°F to 140°F	28	5 mm	0.100	5.875"	FDA, USDA, EU, 3A Dairy	U4 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FMW-2 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2010	20102010	-20°F to 140°F	6.8	2 mm	0.040	1.1875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #1 Alligator®, RS62 Staple

Volta Homogeneous Cream Polyester Smooth x Smooth *continued on p. 22*

Positive Drive Belt options are listed on p. 25.
General Conveying Belt specs are listed on p. 27.
Volta splicing tools, and V and round profiles are on p. 78.

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

F = Flat

H = Hard Durometer (Polyester Compound)

ITO-50 = Impression Top Oval

TPE = Thermoplastic Elastomers

W = White/Cream

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

B = Blue

F = Flat

H = Hard Durometer (Polyester Compound)

M = Medium Durometer (TPE Compound)

TPE = Thermoplastic Elastomers

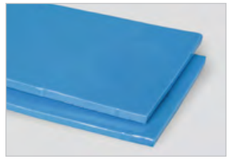
W = White/Cream

3A Dairy is a voluntary organization that provides standards of construction for the processing equipment of milk, cheese, butter, and ice cream.

Volta Homogeneous Cream Polyester Smooth x Smooth *continued from p. 21.*

SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMW-2.5 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2016	20102016	-20°F to 140°F	8.4	2.5 mm	0.050	1.375"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FMW-3 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2011	20102011	-20°F to 140°F	10.1	3 mm	0.060	1.625"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMW-4 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2012	20102012	-20°F to 140°F	13.5	4 mm	0.080	2.375"	FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FMW-5 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2013	20102013	-20°F to 140°F	16.9	5 mm	0.100	3.125"	FDA, USDA, EU, 3A Dairy	U4 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FMW-6 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2007	20102007	-20°F to 140°F	20.25	6 mm	0.120	2.625"	FDA, USDA, EU	U4 Clipper®, #27 Alligator®, RS187 Staple
VOLTA FMW-8 HOMOGENEOUS CREAM TPE SMOOTH X SMOOTH								
2009	20102009	-20°F to 140°F	27.2	8 mm	0.160	4.5"	FDA, USDA, EU	U5 Clipper®, RS187 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

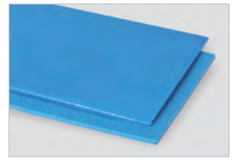


SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FHB-2 HOMOGENEOUS BLUE POLYESTER SMOOTH X SMOOTH								
2008	20102008	-5°F to 140°F	11.2	2 mm	0.040	1.1875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FHB-3 HOMOGENEOUS BLUE POLYESTER SMOOTH X SMOOTH								
2017	20102017	-5°F to 140°F	16.8	3 mm	0.060	3.5"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMB-2 HOMOGENEOUS BLUE TPE SMOOTH X SMOOTH								
2014	20102014	-20°F to 140°F	6.8	2 mm	0.040	1.1875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FMB-3 HOMOGENEOUS BLUE TPE SMOOTH X SMOOTH								
2015	20102015	-20°F to 140°F	10.1	3 mm	0.060	1.875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMB-4 HOMOGENEOUS BLUE TPE SMOOTH X SMOOTH								
2018	20102018	-20°F to 140°F	13.5	4 mm	0.080	2.375"	FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FMB-5 HOMOGENEOUS BLUE TPE SMOOTH X SMOOTH								
2019	20102019	-20°F to 140°F	16.9	5 mm	0.100	3.125"	FDA, USDA, EU, 3A Dairy	U4 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FMB-6 HOMOGENEOUS BLUE TPE SMOOTH X SMOOTH								
2020	20102020	-20°F to 140°F	20.25	6 mm	0.120	2.625"	FDA, USDA, EU	U4 Clipper®, #27 Alligator®, RS187 Staple
VOLTA FMB-8 HOMOGENEOUS BLUE TPE SMOOTH X SMOOTH								
2021	20102021	-20°F to 140°F	27.2	8 mm	0.160	4.5"	FDA, USDA, EU	U5 Clipper®, RS187 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

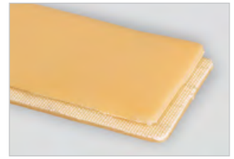
VOLTA FOOD HANDLING

LIGHTWEIGHT BELTING



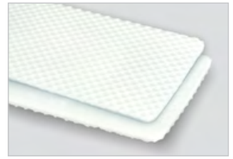
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FELB-2 HOMOGENEOUS BLUE TPE SMOOTH X EMBOSSED								
2026	20102026	-40°F to 120°F	2.24	2 mm	0.040	0.5"	FDA, EU	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FEMB-2 HOMOGENEOUS BLUE TPE SMOOTH X EMBOSSED								
2036	20102036	-20°F to 140°F	4.5	2 mm	0.040	1.1875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FEMB-3 HOMOGENEOUS BLUE TPE SMOOTH X EMBOSSED								
2042	20102042	-20°F to 140°F	6.8	3 mm	0.060	1.625"	FDA, USDA, EU	UX1 Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. The embossed bottom offers a lower coefficient of friction for slider beds. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FRMW-2 HOMOGENEOUS CREAM TPE SMOOTH X FABRIC BACK								
2044	20102044	-20°F to 140°F	33.5	2 mm	0.040	1"	FDA, USDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FRMW-2.5 HOMOGENEOUS CREAM TPE SMOOTH X FABRIC BACK								
2061	20102061	-20°F to 140°F	36.2	2.5 mm	0.053	1.1875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FRMW-3 HOMOGENEOUS CREAM TPE SMOOTH X FABRIC BACK								
2062	20102062	-20°F to 140°F	39	3 mm	0.063	1.375"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. The reinforced fabric provides a high strength rating. A standard in the meat and poultry industry, and in several baking applications.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FELW-3 ITO-50 HOMOGENEOUS LIGHT BLUE TPE IMPRESSION X EMBOSSED								
2038	20102038	-40°F to 120°F	2.8	3 mm	0.050	0.6875"	FDA, EU	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FEMW-2.5 ITO-50 HOMOGENEOUS CREAM TPE IMPRESSION X EMBOSSED								
2033	20102033	-20°F to 140°F	4.2	2.5 mm	0.044	1.375"	FDA, USDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. This belt offers an ITO-50 profile (pebbletop) for small inclines. A standard in the meat and poultry industry, and in several baking applications.

SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FRLW-2.5 ITO-50 HOMOGENEOUS LIGHT BLUE TPE IMPRESSION X FABRIC BACK								
2029	20102029	-40°F to 120°F	21.6	2.5 mm	0.044	0.5625"	FDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FRMW-2.5 ITO-50 HOMOGENEOUS CREAM TPE IMPRESSION X FABRIC BACK								
2090	20102090	-20°F to 140°F	25.2	2.5 mm	0.044	1.4375"	FDA, USDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple

High-tech custom blend of polymers provides cut resistance and flexiblity. A fabric bottom provides lower stretch than non-reinforced belts, and the top side has a deep pebble top impression for better grip and/or release. Used in many food applications.

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

B = Blue

CT = Crescent Top

E = Embossed

F = Flat

ITO-50 = Impression Top Oval

L = Light Durometer (TPE Compound)

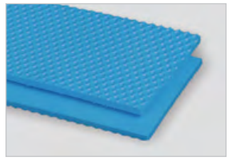
M = Medium Durometer (TPE Compound)

R = Reinforced

TPE = Thermoplastic Elastomers

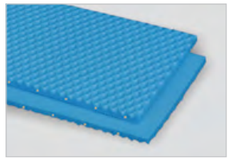
W = White/Cream

WARNING: Cancer and Reproductive Harm–www.P65Warnings.ca.gov



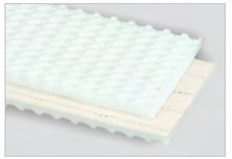
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FEMB-2.5 ITO-50 HOMOGENEOUS BLUE TPE IMPRESSION X EMBOSSED								
2043	20102043	-20°F to 140°F	4.2	2.5 mm	0.044	1.375"	FDA, USDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FEMB-3 ITO-50 HOMOGENEOUS BLUE TPE IMPRESSION X EMBOSSED								
2030	20102030	-20°F to 140°F	5.26	3 mm	0.060	1.625"	FDA, USDA, EU	UX1 Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides cut resistance and flexiblity. Bottom side of belt is embossed for easy sliding on the conveyor bed, and the top side has a deep pebble top impression for better release. Used in many food applications.



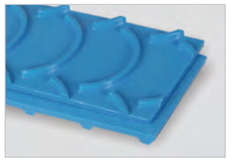
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FELB-2.5 ACR ITO-50 KEVLAR® CORD BLUE TPE IMPRESSION X EMBOSSED								
2031	20102031	-40°F to 120°F	22.4	2.5 mm	0.044	0.79"	FDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple

High-tech custom blend of polymers provides cut resistance and flexiblity. A fabric bottom provides lower stretch than non-reinforced belts, and the top side has a low roughtop impression for better grip and/or release. Used in many food applications.



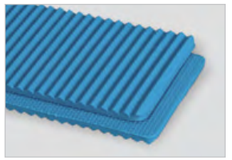
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FRLW-4 ITR-10 HOMOGENEOUS LIGHT BLUE TPE IMPRESSION X FABRIC BACK								
2028	20102028	-40°F to 120°F	19	4 mm	0.080	1"	FDA, EU	U2 Clipper®, #25 Alligator®, RS187 Staple

High-tech custom blend of polymers provides cut resistance and flexiblity. A fabric bottom provides lower stretch than non-reinforced belts, and the top side has a low roughtop impression for better grip and/or release. Used in many food applications.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FEMB-3 CT HOMOGENEOUS BLUE TPE CRESCENT X EMBOSSED								
2039	20102039	-20°F to 140°F	6.75	3 mm	0.070	2.375"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMB-3 CT HOMOGENEOUS BLUE TPE CRESCENT X SMOOTH								
2040	20102040	-20°F to 140°F	10.12	3 mm	0.070	2.375"	FDA, USDA, EU, 3A Dairy	UX1 Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications. The crescent top profile is very popular in slicing operations.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FEMB-4 IRT HOMOGENEOUS BLUE TPE ROOFTOP X EMBOSSED								
2034	20102034	-20°F to 140°F	6.8	4 mm	0.073	2.1875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #25 Alligator®, RS187 Staple
VOLTA FEMB-3.5 IRT HOMOGENEOUS BLUE TPE ROOFTOP X EMBOSSED								
2035	20102035	-20°F to 140°F	5.6	3.5 mm	0.060	1.875"	FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS125 Staple

High-tech custom blend of polymers provides characteristics such as high strength, cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. The IRT profile allows the product to be raised from the base of the belt. A standard in the meat and poultry industry, and in several baking applications.

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

A = Aramid Cord Reinforced

B = Blue

CT = Crescent Top

E = Embossed

F = Flat

IRT = Rooftop

ITO-50 = Impression Top Oval

ITR-10 = Impression Top Rough

L = Light Durometer (TPE Compound)

M = Medium Durometer (TPE Compound

R = Reinforced

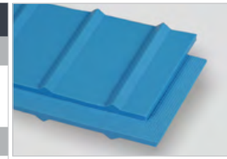
TPE = Thermoplastic Elastomers

W = White/Cream

3A Dairy is a voluntary organization that provides standards of construction for the processing equipment of milk, cheese, butter, and ice cream.

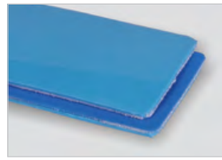
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FEMB-3 SP HOMOGENEOUS BLUE TPE SPIKE X EMBOSSED								
2024	20102024	-20°F to 140°F	6.8	3 mm	0.062	2"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FELB-3 SP HOMOGENEOUS BLUE TPE SPIKE X EMBOSSED								
2025	20102025	-40°F to 120°F	3.36	3 mm	0.062	1.125"	FDA, EU	UX1SP Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FELB-2.5 MC HOMOGENEOUS BLUE TPE MEAT-CLEAT X EMBOSSED								
2027	20102027	-40°F to 120°F	2.8	2.5 mm	0.070	1.875"	FDA, EU	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FEMB-3 MC HOMOGENEOUS BLUE TPE MEAT-CLEAT X EMBOSSED								
2037	20102037	-20°F to 140°F	6.8	3 mm	0.070	2.75"	FDA, USDA, EU, 3A Dairy	UX1 Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides characteristics such as high strength, cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. The meat-cleat profile can be used on slight inclines and to keep product raised off the base of the belt. A standard in the meat and poultry industry, and in several baking applications.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FRLB-2 CEB-B HOMOGENEOUS BLUE TPE SMOOTH X SKIM COVER								
2032	20102032	-40°F to 120°F	12.4	2 mm	0.045	0.75"	FDA, EU	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FRMB-3 CEB-B HOMOGENEOUS BLUE TPE SMOOTH X SKIM COVER								
2041	20102041	-20°F to 140°F	38	3 mm	0.062	1.875"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple

High-tech custom blend of polymers provides characteristics such as higher strength due to the reinforced fabric, cut resistance and flexibility. This belt also features a urethane skim covered bottom. A standard in the meat and poultry industry, and in several baking applications.

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

B = Blue

CEB-B = Cover Embossed Bottom

E = Embossed

F = Flat

L = Light Durometer (TPE Compound)

M = Medium Durometer (TPE Compound)

MC = Meat-Cleat

R = Reinforced

SP = Spike Top

TPE = Thermoplastic Elastomers

VOLTA POSITIVE DRIVE

VOLTA POSITIVE DRIVE BELTS

Volta positive drive belts are manufactured with materials resistant to cuts and abrasion, thus eliminating places where bacteria can harbor and grow. This makes for easy and efficient cleaning, meaning you save on labor costs and production downtime.

POSITIVE DRIVE BELT FEATURES INCLUDE:

- Extruded, integral teeth prevent slippage of belt
- Smooth homogeneous surface for low bacteria counts, longer shelf life, and odor resistance
- High flexibility extends operating life
- Non-sticking smooth or impression top for easy product release

POSITIVE DRIVE BELTS ARE AVAILABLE IN THE FOLLOWING TYPES:

DUALDRIVE

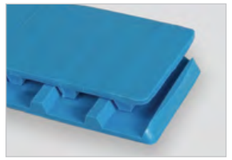
- Replaces modular belts with minimal retrofit
- No seams, belt extruded in 100' straight lengths
- May be used as cleats when teeth face up

DUALDRIVE SP (SMALL PULLEY)

- Provides tight transfer of product between conveyors
- Requires lighter conveyor construction

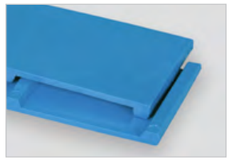
SUPERDRIVE™

- Utilized primarily on newer OEM equipment
- One solid lug in center of the conveyor



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMB-2.5 DDSP HOMOGENEOUS BLUE TPE SMOOTH X DUALDRIVE SP							
2050	20102050	-20°F to 140°F	2.5 mm	0.074	2"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #7 Alligator®, RS62 Staple

These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.



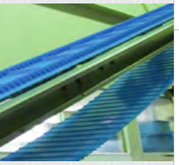
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMB-3 DD HOMOGENEOUS BLUE TPE SMOOTH X DUALDRIVE							
2060	20102060	-5°F to 140°F	3 mm	0.075	3.25"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple

These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMW-3 DD HOMOGENEOUS CREAM TPE SMOOTH X DUALDRIVE							
2056	20102056	-5°F to 140°F	3 mm	0.075	3.25"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple

These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

See p. 79 for Volta positive drive sprockets and pulleys.



DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

OEM = Original Equipment Manufacturer

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

B = Blue

DD = DualDrive

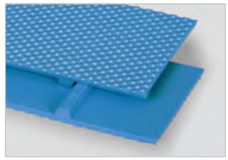
DDSP = DualDrive Small Pulley

F = Flat

M = Medium Durometer (TPE Compound)

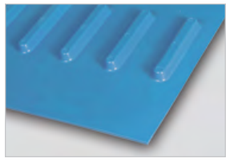
TPE = Thermoplastic Elastomers

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMB-3 DD ITO-50 HOMOGENEOUS BLUE TPE IMPRESSION X DUALDRIVE							
2064	20102064	-5°F to 140°F	3 mm	0.075	3.25"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple



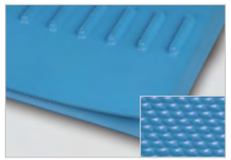
These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMB-3 SD LT LOW TEMP HOMOGENEOUS BLUE TPE SMOOTH X SUPERDRIVE™							
2079	20102079	-31°F to 95°F	3 mm	0.065	3.25"	FDA, USDA, EU	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMB-3 SD HOMOGENEOUS BLUE TPE SMOOTH X SUPERDRIVE™							
2080	20102080	-5°F to 140°F	3 mm	0.065	3.25"	NSF, FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMB-4 SD HOMOGENEOUS BLUE TPE SMOOTH X SUPERDRIVE™							
2081	20102081	-5°F to 140°F	4 mm	0.085	4.75"	NSF, FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FHB-3 SD HOMOGENEOUS BLUE POLYESTER SMOOTH X SUPERDRIVE™							
2086	20102086	-5°F to 140°F	3 mm	0.065	4"	NSF, FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FHB-4 SD HOMOGENEOUS BLUE POLYESTER SMOOTH X SUPERDRIVE™							
2087	20102087	-5°F to 140°F	4 mm	0.085	5.5"	NSF, FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple



These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMB-3 SD ITO-50 HOMOGENEOUS BLUE TPE IMPRESSION X SUPERDRIVE™							
2077	20102077	-5°F to 140°F	3 mm	0.065	3.25"	FDA, USDA, EU	UX1SP Clipper®, #15 Alligator®, RS125 Staple



These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMB-3 SD ITE HOMOGENEOUS BLUE TPE EMBOSSED TOP X SUPERDRIVE™							
2078	20102078	-5°F to 140°F	3 mm	0.065	3.25"	FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple

These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. The high-tech custom blend of polymers also provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. An embossed top provides better release. Belt is a standard in the meat and poultry industry, and in several baking applications.

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

NSF= National Sanitation Foundation

USDA = United States Department of Agriculture

VOLTA ABBREVIATION KEY

B = Blue

DD = DualDrive

F = Flat

H = Hard Durometer (Polyester Compound)

ITE = Impression Top Embossed

ITO-50 = Impression Top Oval

M = Medium Durometer (TPE Compound)

SD = SuperDrive™

TPE = Thermoplastic Elastomers

W = White/ Cream

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

NSF= National Sanitation Foundation

USDA = United States Department of Agriculture

VOLTA GENERAL CONVEYING

VOLTA ABBREVIATION KEY

E = Embossed

F = Flat

G = Gray

H = Hard Durometer (Polyester Compound)

M = Medium Durometer (TPE Compound)

R = Reinforced

SD = SuperDrive™

TPE = Thermoplastic Elastomers

W = White/Cream

Z = Dark Green

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	ACCEPTED	RECOMMENDED LACING
VOLTA FMW-3 SD HOMOGENEOUS CREAM TPE SMOOTH X SUPERDRIVE™							
2082	20102082	-5°F to 140°F	3 mm	0.065	3.25"	NSF, FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FMW-4 SD HOMOGENEOUS CREAM TPE SMOOTH X SUPERDRIVE™							
2083	20102083	-5°F to 140°F	4 mm	0.085	4.75"	NSF, FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple
VOLTA FHW-3 SD HOMOGENEOUS CREAM POLYESTER SMOOTH X SUPERDRIVE™							
2088	20102088	-5°F to 140°F	3 mm	0.065	4"	NSF, FDA, USDA, EU, 3A Dairy	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FHW-4 SD HOMOGENEOUS CREAM POLYESTER SMOOTH X SUPERDRIVE™							
2089	20102089	-5°F to 140°F	4 mm	0.085	5.5"	NSF, FDA, USDA, EU, 3A Dairy	U2 Clipper®, #25 Alligator®, RS187 Staple

These positive drive belts are replacing many plastic modular belts because their construction is more resistant to bacteria. This high-tech custom blend of polymers provides characteristics such as cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. A standard in the meat and poultry industry, and in several baking applications.

VOLTA GENERAL CONVEYING BELTS

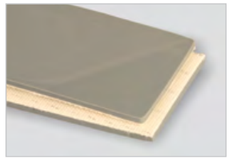
From soft belts with high grip, to hard surfaces that resist cutting, punctures and abrasion, we have the Volta belt for your special application.

Volta's general conveying belts offer the same unique homogenous characteristics as the food grade belting. This product line offers a wide range of belts designed to meet some of the most demanding requirements and challenging applications in the field.

- Do not absorb industrial oils, fluids, or chemicals
- Low coefficient of friction for slider bed applications
- Harder durometer covers are available for more abrasion resistance
- Excellent impact absorption from falling/ dropping products
- Highly resistant to cuts and impact punctures
- Easily welded while on the conveyor, reducing production downtime

THESE BELTS ARE MOST SUITABLE FOR CONVEYING CERAMICS, GLASS, CARDBOARD, METAL PARTS, RECYCLING,AND MANY OTHERS, AND ARE COMMONLY USED IN THESE APPLICATIONS:

- Detergents and Chemicals
- Metal Manufacturing
- Recycling Industry
- Packaging Industry
- Plastic Manufacturing
- Printing
- Fabric Production
- Glass Manufacturing
- Shingle Lines
- Concrete Block Facilities
- Building Materials Manufacturing



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
VOLTA FRG-2 HOMOGENEOUS GRAY TPE SMOOTH X FABRIC BACK							
2022	20102022	-20°F to 140°F	33.5	2 mm	0.046	1.0625"	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FRG-3 HOMOGENEOUS GRAY TPE SMOOTH X FABRIC BACK							
2023	20102023	-20°F to 140°F	39	3 mm	0.063	1.375"	UX1SP Clipper®, #7 Alligator®, RS125 Staple

High-tech custom blend of polymers provides characteristics such as higher strength due to the reinforced fabric, cut resistance and flexibility. These belts are ideal for high abrasion industrial service applications.

VOLTA ABBREVIATION KEY

E = Embossed

F = Flat

G = Gray

R = Reinforced

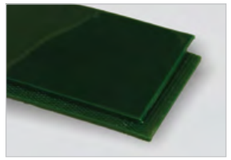
ST = Sticky Top

TPE = Thermoplastic Elastomers

W = White/Cream

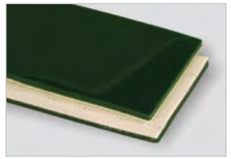
Z = Dark Green

See p. 78 for Volta splicing tools.



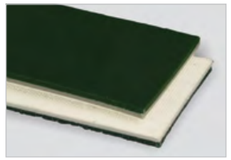
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
VOLTA FEZ-2 HOMOGENEOUS GREEN TPE SMOOTH X EMBOSSED							
2105	20102105	-20°F to 140°F	4.5	2 mm	0.042	1.1875"	UX1SP Clipper®, #1 Alligator®, RS62 Staple
VOLTA FEZ-2.5 HOMOGENEOUS GREEN TPE SMOOTH X EMBOSSED							
2106	20102106	-20°F to 140°F	5.6	2.5 mm	0.051	1.375"	UX1SP Clipper®, #7 Alligator®, RS62 Staple
VOLTA FEZ-3.2 HOMOGENEOUS GREEN TPE SMOOTH X EMBOSSED							
2107	20102107	-20°F to 140°F	7.3	3.2 mm	0.067	1.75"	UX1SP Clipper®, #25 Alligator®, RS125 Staple
VOLTA FEZ-4 HOMOGENEOUS GREEN TPE SMOOTH X EMBOSSED							
2108	20102108	-20°F to 140°F	9	4 mm	0.083	2.375"	U2 Clipper®, #25 Alligator®, RS187 Staple

High-tech custom blend of polymers provides characteristics such as high strength, cut resistance and flexibility. These belts are truly homogeneous, with no plies to separate or carcass yarns to fray. These belts are ideal for high abrasion industrial service applications.



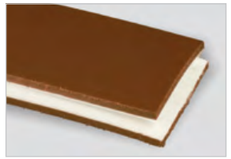
SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
VOLTA FRGZ-3 HOMOGENEOUS GREEN TPE SMOOTH X FABRIC BACK							
2113	20102113	-20°F to 140°F	39	3 mm	0.0625	3.125"	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FRGZ-4 HOMOGENEOUS GREEN TPE SMOOTH X FABRIC BACK							
2104	20102104	-20°F to 140°F	41.7	4 mm	0.080	2"	U2 Clipper®, #25 Alligator®, RS187 Staple

High-tech custom blend of polymers provides characteristics such as higher strength due to the reinforced fabric carcass, cut resistance, and flexibility. These belts are ideal for high abrasion industrial service applications.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
VOLTA FRG-ST-3.5 HOMOGENEOUS GREEN TPE SMOOTH X FABRIC BACK							
2111	20102111	-20°F to 140°F	33	3.5 mm	0.067	1.625"	U2 Clipper®, #15 Alligator®, RS187 Staple
VOLTA FRG-ST-5 HOMOGENEOUS GREEN TPE SMOOTH X FABRIC BACK							
2112	20102112	-20°F to 140°F	39	5 mm	0.080	2.375"	U2 Clipper®, #25 Alligator®, RS187 Staple

High-tech custom blend of polymers provides characteristics such as higher strength due to the reinforced fabric carcass, cut resistance, and flexibility. These belts are ideal for high abrasion industrial service applications. Top cover is a softer 65A durometer for better grip.



SPEC#	PART#	TEMP.	PULL FORCE PRETENSION 1%	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
VOLTA FRL-3 HOMOGENEOUS BROWN TPE SMOOTH X FABRIC BACK							
2109	20102109	-40°F to 120°F	67	3 mm	0.0625	1.187"	UX1SP Clipper®, #15 Alligator®, RS125 Staple
VOLTA FRL-5 HOMOGENEOUS BROWN TPE SMOOTH X FABRIC BACK							
2110	20102110	-40°F to 120°F	73	5 mm	0.080	2.375"	U2 Clipper®, #25 Alligator®, RS187 Staple

High-tech custom blend of polymers provides characteristics such as higher strength due to the reinforced fabric carcass, cut resistance, and flexibility. These belts are ideal for high abrasion industrial service applications.

PACKAGE HANDLING

DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride

RMV = Rubber Modified Vinyl

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# SPUN POLYESTER GREEN PVG MATTE COVER X MATTE COVER						
3808	20103808	-20°F to 180°F	0.115"	0.069	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

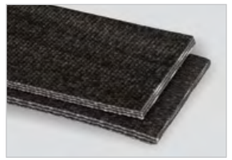
Popular and versatile belt when top and bottom covers are needed. Matte-finished covers offer excellent gripping capabilities. With the negative temperature range, this belt can be used in freezer applications. Operates on small pulleys and tracks well.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 42# COTTON/POLYESTER BROWN NITRILE FRICTION X FRICTION						
4101	20104101	20°F to 212°F	0.056"	0.032	1.5"	UX1SP Clipper®, #7 Alligator®, RS62 Staple
5-PLY 70# COTTON/POLYESTER BROWN NITRILE FRICTION X FRICTION						
4103	20104103	20°F to 212°F	0.102"	0.055	2.5"	UX1 Clipper®, #7 Alligator®, RS62 Staple
7-PLY 98# COTTON/POLYESTER BROWN NITRILE FRICTION X FRICTION						
4104	20104104	20°F to 212°F	0.14"	0.085	3.5"	U2 Clipper®, #15 Alligator®, RS125 Staple

A tightly woven blend of cotton and polyester fabric. Often referred to as a "sheeting belt" for a variety of light and medium weight conveying. Nitrile compounds make this construction popular for oily conditions, particularly metal parts, and for carrying tapes for folding machines. It is oil, grease, and chemical resistant.

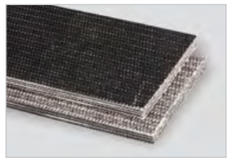
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# SPUN POLYESTER TAN PVC FRICTION X BRUSHED						
4106	20104106	20°F to 180°F	0.125"	0.070	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

PVC built in the traditional design of rubber transmission belting. Constructed of spun polyester, this product provides great tracking, strength, and excellent lace holding ability. Thermoplastic cover allows for the full range of fabrications including smooth endless finger splicing. Light oil resistance and low coefficient of friction makes this a fast and easy replacement for the more expensive rubber transmission belts.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# SPUN POLYESTER BLACK PVC FRICTION X BRUSHED						
4108	20104108	20°F to 180°F	0.125"	0.070	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

PVC built in the traditional design of rubber transmission belting. Constructed of spun polyester, this product provides great tracking, strength, and excellent lace holding ability. Thermoplastic cover allows for the full range of fabrications including smooth endless finger splicing. Good oil resistance and low coefficient of friction makes this a fast and easy replacement for the more expensive rubber transmission belts.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 200# SPUN POLYESTER BLACK PVC FRICTION X BRUSHED						
4109	20104109	20°F to 180°F	0.17"	0.092	4"	U2 Clipper®, #15 Alligator®, RS125 Staple

PVC built in the traditional design of rubber transmission belting. Constructed of spun polyester, this product provides great tracking, strength, and excellent lace holding ability. Thermoplastic cover allows for the full range of fabrications including smooth endless finger splicing. Moderate oil resistance and low coefficient of friction makes this a fast and easy replacement for the more expensive rubber transmission belts.

DESCRIPTION ABBREVIATION KEY

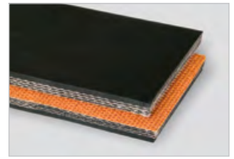
PVC = Poly Vinyl Chloride

SBR = Styrene Butadiene Rubber

SBR has excellent abrasion resistance and low temperature properties.

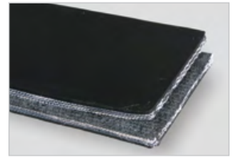
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 105# COTTON/POLYESTER TAN SBR TRANSMISSION FRICTION X FRICTION						
4110	20104110	-30°F to 180°F	0.131"	0.057	4"	UX1 Clipper®, #7 Alligator®, RS125 Staple
4-PLY 120# COTTON/POLYESTER TAN SBR TRANSMISSION FRICTION X FRICTION						
4111	20104111	-40°F to 250°F	0.172"	0.078	3"	U2 Clipper®, #20 Alligator®, RS187 Staple

A tightly woven blend of cotton and polyester fabric, this non-marking tan product is a versatile and economical choice for package handling, production/assembly lines, and parcels.



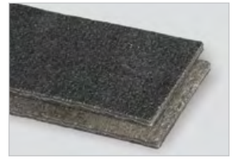
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 180# POLYESTER/NYLON BLACK NITRILE 3/32 COVER X BARE						
4112	20104112	20°F to 212°F	0.25"	0.121	4"	#5 Clipper®, #25 Alligator®, RS187 Staple

Strong and durable polyester/nylon carcass, which offers small pulley diameters. Oil resistant and high-strength carcass make this belt an excellent choice for wood, metal sanding, and finishing operations.



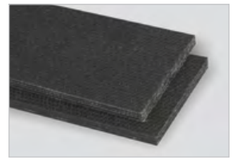
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON BLACK NITRILE COVER X FRICTION						
4131	20104131	0°F to 250°F	0.135"	0.077	4"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Versatile belt with oil, grease, and fat resistant covers. Popular for conveying a variety of products such as food stuffs and metal parts. Belt is FDA approved.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
NEEDLED 120# POLYESTER BLACK PVC FRICTION X BRUSHED						
4136	20104136	-10°F to 160°F	0.10"	0.05	1.6"	UX1 Clipper®, #7 Alligator®, RS62 Staple

A favorite in the package handling industry. This belt resists stringing and provides extremely quiet service.



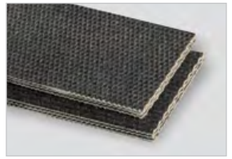
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 200# POLYESTER BLACK NITRILE FRICTION X FRICTION						
4113	20104113	0°F to 250°F	0.14"	0.068	2.5"	U2 Clipper®, #15 Alligator®, RS125Staple

Heavy-duty transmission style construction with a nitrile impregnation on both sides. Superior strength, oil resistance, and service life. Popular for luggage conveying and metal stamping.

DESCRIPTION ABBREVIATION KEY

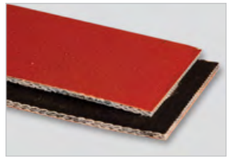
PVC = Poly Vinyl Chloride

SBR = Styrene Butadiene Rubber



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 105# COTTON/POLYESTER BLACK SBR TRANSMISSION FRICTION X FRICTION						
4115	20104115	0°F to 250°F	0.125"	0.063	2.5"	UX1 Clipper®, #7 Alligator®, RS125 Staple
4-PLY 120# COTTON/POLYESTER BLACK SBR TRANSMISSION FRICTION X FRICTION						
4116	20104116	-40°F to 250°F	0.17"	0.078	3"	U2 Clipper®, #20 Alligator®, RS125 Staple

This belt has long been the standard for a wide variety of conveyor applications including both slider/roller bed service. Popular for unit, package and parcel handling. Four plies have higher tension requirements and added durability.

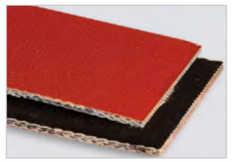


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLACK PVC BARE X BARE						
4121	20104121	-20°F to 350°F intermittent cover contact, -20°F to 250°F	0.152"	0.054	4"	U2SP Clipper®, #15 Alligator®, RS125 Staple

Designed for use where higher product temperatures are required and good release is needed. Used primarily in tire plants, this belt should also be considered for applications with uncured rubber and other sticky products. Note: Top cover is rated for 350°F, however the entire belt is rated at 250°F.

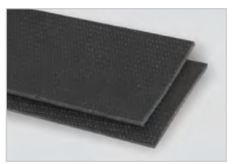
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 90# COTTON/POLYESTER WHITE HS&W COTTON X FRICTION						
4117	20104117	-40°F to 250°F	0.16"	0.608	2.5"	UX1 Clipper®, #15 Alligator®, RS125 Staple
3-PLY 90# COTTON/POLYESTER WHITE SBR HS&W SILICONE COVER X FRICTION						
4118	20104118	-40°F to 250°F	0.180"	0.088	3"	U2 Clipper®, #15 Alligator®, RS187 Staple

With the bare surface down it is a premium product that provides extremely low coefficient of friction. Bare side up provides service as an accumulation and/or deflector belt. Named for its use in conveying uncured rubber in tire manufacturing. This product also has many package handling uses. Hot Stock & Water belt.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 105# COTTON/POLYESTER WHITE SBR HOT STOCK & WATER SILICONE COVER X FRICTION						
4119	20104119	3-Ply 90# Cotton/ Polyester White SBR HS&W Silicone Cover x Friction	0.152"	0.054	4"	U2SP Clipper®, #15 Alligator®, RS125 Staple

Designed for use where higher product temperatures are required and good release is needed. Used primarily in tire plants, this belt should also be considered for applications with uncured rubber and other sticky products. Note: Top cover is rated for 350°F, however the entire belt is rated at 250°F.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLACK PVC BARE X BARE						
4127	20104127	20°F to 180°F	0.062"	0.030	1"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

Accumulation and diversion. This product is made with tough, abrasion resistant, and rigid polyester monofilament carcasses. This construction makes these products lay flat. Thermoplastic skims allow for superior, more flexible splices.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER MONOFILAMENT BLACK PVC BARE X BARE						
4130	20104130	20°F to 180°F	0.118"	0.060	3.9"	U2 Clipper®, #15 Alligator®, RS62 Staple

Accumulation and diversion. This product is made with tough, abrasion resistant and rigid polyester monofilament carcasses. This construction makes these products lay flat. Thermoplastic skims allow for superior, more flexible splices.

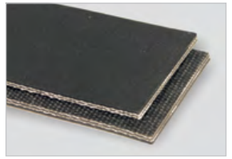
DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride

RMV = Rubber Modified Vinyl

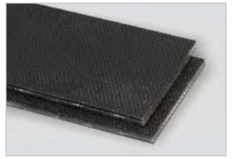
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 150# SLIPTOP POLYESTER TAN NITRILE BARE NYLON X FRICTION						
4129	20104129	20°F to 212°F	0.125"	0.070	3"	UX1 Clipper®, #7 Alligator®, RS125 Staple

This belt features a bare nylon top ply which is virtually frictionless. Ideal for stall operations or accumulating applications where the product must stop while the belt continues to move. Automatic packaging machinery with gates and diverter arms commonly use this specification.



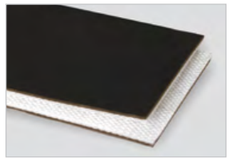
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# SPUN POLYESTER BLACK RMV COVER X FRICTION						
4142	20104142	20°F to 180°F	0.112"	0.060	1.5"	UX1 Clipper®, #7 Alligator®, RS62 Staple
3-PLY 150# SPUN POLYESTER BLACK RMV COVER X FRICTION						
4143	20104143	20°F to 180°F	0.135"	0.071	2.5"	U2 Clipper®, #15 Alligator®, RS125 Staple

Excellent multipurpose belt which is a good alternative to nitrile covers. Spun polyester carcass provides excellent tracking and lace holding properties.



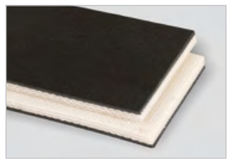
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 60# POLYESTER MULTI/MONOFILAMENT BLACK PVC LIGHT IMPRESSION COVER X BARE						
4145	20104145	20°F to 180°F	0.115"	0.625	1"	UX1 Clipper®, #7 Alligator®, RS62 Staple

An excellent package handling belt with two plies of cross-rigid polyester monofilament and an aggressive dimpled top impression. Used in a wide assortment of applications where a more aggressive top cover is required, including slight inclines and declines.



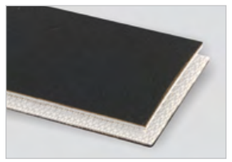
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLACK RMV COVER X BARE						
4137	20104137	20°F to 180°F	0.11"	0.066	2"	UX1 Clipper®, #7 Alligator®, RS62 Staple

General purpose European style polyester monofilament belts with a high-quality thermoplastic cover. Excellent choice for conveyors with small pulleys or anywhere a cross-rigid belt is required. Essentially non-marking and oil resistant. A popular choice in many conveyor systems, including package handling and distribution centers.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER MONOFILAMENT BLACK RMV COVER X BARE ANTI-STATIC						
4173	20104173	20°F to 180°F	0.175"	0.083	3"	U2 Clipper®, #15 Alligator®, RS125 Staple

General purpose European style polyester monofilament belt with a high-quality thermoplastic cover. Excellent choice for conveyors with small pulleys or anywhere a cross-rigid belt is required. Essentially non-marking and oil resistant. A popular choice in many conveyor systems, including package handling and distribution centers.

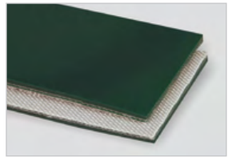


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 60# POLYESTER MONOFILAMENT BLACK PVC MATTE COVER X BARE CHECKOUT						
4140	20104140	5°F to 176°F	0.078"	0.040	1.18"	UX1SP Clipper®, #1 Alligator®, RS62 Staple

Checkout and treadmill belt produced with a hard, premium PVC cover for better abrasion resistance. Matte finish reduces glare and minimizes belt marking. Construction features two plies of cross-rigid polyester monofilament fabric.

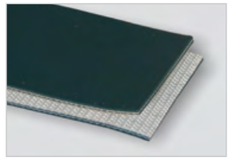
DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride



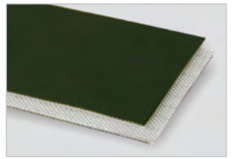
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT GREEN PVC HEAVY COVER X BARE						
4134	20104134	14°F to 158°F	0.13"	0.07	2.36"	U2 Clipper®, #15 Alligator®, RS125 Staple
3-PLY 150# POLYESTER MONOFILAMENT GREEN PVC HEAVY COVER X BARE						
4133	20104133	14°F to 158°F	0.24"	0.119	5.91"	U4 Clipper®, #25 Alligator®, RS187 Staple

A hard, premium PVC cover with a matte finish that reduces glare and minimizes belt marking.



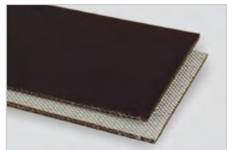
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT GREEN PVC COVER X BARE ANTI-STATIC						
4138	20104138	5°F to 176°F	0.078"	0.040	1.18"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

A hard, premium PVC cover with a finish that reduces glare and minimizes belt marking.



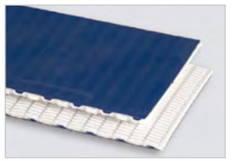
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT GREEN URETHANE COVER X BARE						
4149	20104149	-4°F to 176°F	0.052"	0.022	0.79"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

A hard, premium urethane cover for better abrasion resistance. Matte finish reduces glare and minimizes belt marking.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLACK URETHANE COVER X BARE ANTI-STATIC						
4102	20104102	-4°F to 176°F	0.094"	0.045	2"	UX1 Clipper®, #7 Alligator®, RS62 Staple

A hard, premium urethane cover provides excellent cut and abrasion resistance. With a smooth, satin finish it also reduces glare. Designed for optical scanner systems in recycling centers, this belt is also an ideal choice for metal stamping and other sharp parts applications.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT CLEAR PVC HARD COVER X BARE						
4122	20104122	0°F to 250°F	0.140"	0.125	2.5"	ZipLink Splice

This belt features a smooth, blue carboxylated nitrile cover on a polyester monofilament spiral mesh carcass. The ZipLink design eliminates mechanical lace and repalces time consuming, costly, vulcanized endless splices. Featuers a longer service life due to no "weak link". The smooth cover offers superior cut and abrasion resistance as well as excellent oil resistance. Troughable and easily tracked, this is an ideal belt for tough cutting, abrasive, and oily applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT CLEAR PVC HARD COVER X BARE						
4153	20104153	32°F to 176°F	0.080"	0.039	2"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

This is a hard, premium PVC cover with characteristics of urethane. Ideal for applications where extended belt life is needed and tough top covers are used.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT CLEAR URETHANE COVER X BARE ANTI-STATIC						
4152	20104152	-4°F to 212°F	0.071"	0.034	1.18"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

A hard, premium 92A urethane cover for better abrasion and cutting resistance. Anti-static carcass.

DESCRIPTION ABBREVIATION KEY

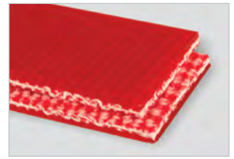
EPDM = Ethylene Propylene Diene Monomer

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT CLEAR URETHANE PEBBLETOP X BARE ANTI-STATIC						
4148	20104148	0°F to 180°F	0.091"	0.043	1"	UX1 Clipper®, #7 Alligator®, RS62 Staple

A premium urethane belt that utilizes two plies of cross-rigid polyester monofilament fabric. This belt is used in applications where a tough top cover is required to extend belt life. The pebbletop cover offers release for oily parts. It is a proven performer in stamping applications carrying the blanks to the press.

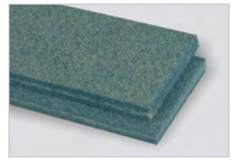
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# SPUN POLYESTER CLEAR URETHANE COVER X FRICTION						
4150	20104150	20°F to 180°F	0.2"	0.11	4"	U2 Clipper®, #15 Alligator®, RS187 Staple

A popular choice in a wide range of applications where cutting and abrasion are a concern.



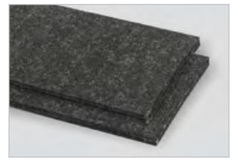
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 90# POLYESTER RED URETHANE COVER X BRUSHED (NOVEX)						
90	24005272	20°F to 180°F	0.125"	0.075	2"	#25 Alligator®, RS125 Staple
INTERWOVEN 120# POLYESTER RED URETHANE COVER X BRUSHED (ALL URETHANE)						
4156	20104156	-5°F to 176°F	0.179"	0.094	5.9"	U2 Clipper®, #20 Alligator®, RS187 Staple
INTERWOVEN 200# POLYESTER RED URETHANE COVER X BRUSHED						
4176	20104176	0°F to 180°F	0.24"	0.12	6"	U4 Clipper®, #27 Alligator®, RS187 Staple

This belt is a standard in many automotive stamping operations. Also highly recommended in many recycling plants and other abrasive jobs. Note: The 90# allows for both finger and welded seam splices.



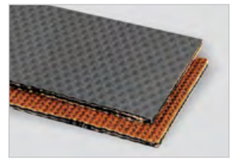
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
NEEDLED 135# POLYESTER GREEN NITRILE FRICTION X BRUSHED						
4154	20104154	10°F to 175°F	0.22"	0.058	3.54"	U3 Clipper®, #20 Alligator®, RS187 Staple

Polyester uni-ply construction, impregnated with nitrile that offers excellent service in tough stamping operations. Excellent tracking and oil resistance.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
NEEDLED 120# POLYESTER BLACK NITRILE FRICTION X BLACK						
4180	20104180	10°F to 175°F	0.155"	0.036	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Special polyester uni-ply and needled polyester surfaces. Excellent tracking low-noise production and oil resistance are additional features.



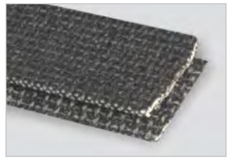
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 160# POLYESTER GRAY EPDM TEFLON® COVER X BARE						
4174	20104174	-65°F to 300°F	0.112"	0.04	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

This unique belt has two plies of polyester with EPDM skims for high temperatures. The Teflon® cover offers a highly durable dimpled cover with excellent release. Ideal for conveying hot, sticky products such as rubber, tapes, and plastic extrusions. (Belt not FDA approved.)

PVC BELTING

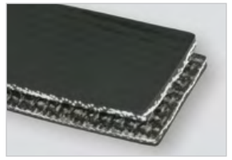
DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride



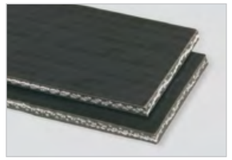
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVC FRICTION X BRUSHED						
5040	20105040	0°F to 180°F	0.118"	0.051	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Very popular specification for package and parcel handling. Low coefficient of friction on cover surfaces for easy accumulation of products. Tough, low stretch, and excellent fastener and tracking properties.



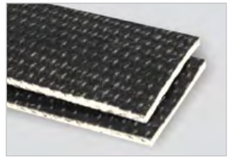
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVC COVER X BRUSHED						
5045	20105045	0°F to 180°F	0.125"	0.060	2"	UX1 Clipper®, #15 Alligator®, RS125 Staple

Proven performer in a wide variety of applications: from warehousing, to fruit and vegetable packing houses; this is a popular choice. Tough, dependable, and economical.



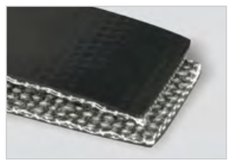
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVC COVER X COVER						
5042	20105042	20°F to 180°F	0.15"	0.07	4"	U3-1 Clipper®, #15 Alligator®, RS125 Staple

Proven belt for long wearing, high performance, problem free package handling applications. Ideal for moving palletized fertilizers and small to medium sized product loads. Also used for a variety of roller bed and troughed applications. Characteristics include low stretch, high strength, and good fastener retention.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 150# POLYESTER BLACK PVC FRICTION X BRUSHED						
5050	20105050	0°F to 180°F	0.1063"	0.047	2"	UX1 Clipper®, #15 Alligator®, RS125 Staple

Very popular specification for package and parcel handling. Low coefficient of friction on cover surfaces for easy accumulation of products. Tough, low stretch, and excellent fastener and tracking properties, with higher tension rating for heavier loads.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 150# POLYESTER BLACK PVC COVER X BRUSHED						
5051	20105051	0°F to 180°F	0.154"	0.084	3"	U2 Clipper®, #20 Alligator®, RS125 Staple

Very popular medium-duty PVC belt proven for long wearing, high performance, and problem free material handling. Ideal for a variety of slider/roller bed applications. Accommodates fertilizers, chemicals, and bulk materials. Characteristics include low stretch, high strength, and good fastener retention.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 150# POLYESTER BLACK PVC COVER X COVER						
5052	20105052	0°F to 180°F	0.181"	0.098	5" (6" elevator)	U2 Clipper®, #20 Alligator®, RS187 Staple

Proven belt for long wearing, high performance, problem free material handling applications. Ideal for moving bulk materials, chemicals, fertilizers, and grain. Ideal for a variety of roller bed and troughed applications. Characteristics include low stretch, high strength, and good fastener retention.

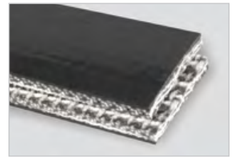
DESCRIPTION ABBREVIATION KEY

MSHA = Mine, Safety, and Health Administration

PVC = Poly Vinyl Chloride

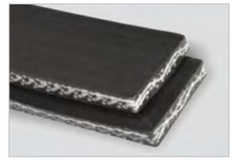
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 200# POLYESTER BLACK PVC FRICTION X BRUSHED						
5060	20105060	0°F to 180°F	0.188"	0.079	4"	U3 Clipper®, #25 Alligator®, RS187 Staple

High-strength, low stretch belt for moving high volumes and heavy loads in package handling and parts conveying. Moderate oil resistance and excellent fastener retention.



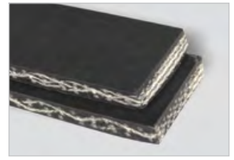
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 200# POLYESTER BLACK PVC COVER X BRUSHED						
5061	20105061	0°F to 180°F	0.205"	0.108	4"	U4 Clipper®, #27 Alligator®, RS187 Staple

Heavier-duty PVC belt proven for long wearing, high performance, and problem free material handling. Also popular as heavy-duty package and bulk product conveyor belt for both slider and roller bed conveyors.



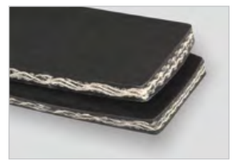
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 200# POLYESTER BLACK PVC COVER X COVER FIRE RETARDANT/STATIC CONDUCTIVE						
5062	20105062	0°F to 180°F	0.25"	0.140	4"	#27 Alligator®, RS187 Staple, #R5 Rivet

PVC offers reliable performance in applications such as bulk handling, heavy stamping, scrap, wood products, sand, gravel, and vertical elevators. Like the medium-duty PVC belts, these products are the most economical choice in the widest range of applications. Fire retardant and static conductive qualities.



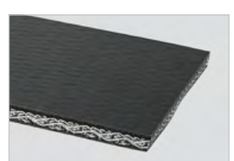
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 250# POLYESTER BLACK PVC COVER X COVER FIRE RETARDANT/STATIC CONDUCTIVE						
5065	20105065	0°F to 180°F	0.266"	0.145	6" (9" elevator)	#140 Solid Plate, #550 Bolt On, #R5 Rivet

Commonly used for elevator belting in the feed and grain industries. Oil resistant, fire retardant and static conductive qualities. This belt will not mildew or rot, MSHA approved, moisture resistant, and has high bolt retention for bucket attachments.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 350# POLYESTER BLACK PVC COVER X COVER FIRE RETARDANT/STATIC CONDUCTIVE						
5072	20105072	0°F to 180°F	0.305"	0.150	7"	#140 Solid Plate, #550 Bolt On, #R5 Rivet

Fire retardant, static conductive belt commonly used for elevator belting in the feed and grain industries. Features low stretch, trouble free operation, high bolt retention, and resistance to grain oils, fire, moisture, and mildew. MSHA approved.



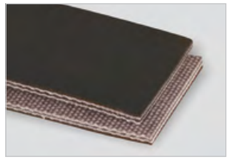
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 450# POLYESTER BLACK PVC COVER X COVER FIRE RETARDANT/STATIC CONDUCTIVE						
73	20040009	0°F to 180°F	0.344"	0.160	10"	#45 Alligator®

Commonly used for elevator belting in the feed and grain industries. Features low stretch, trouble-free operation, high bolt retention, and resistance to grain oils, fire, moisture, mildew, and rot. MSHA aapproved.

DESCRIPTION ABBREVIATION KEY

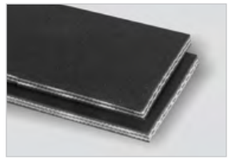
PVC = Poly Vinyl Chloride

PVG = Low Temperature PVC



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER BLACK PVG MATTE COVER X BRUSHED						
4144	20104144	-20°F to 180°F	0.14"	0.078	2.5"	U2 Clipper®, #15 Alligator®, RS125 Staple

Medium-duty utility PVC belt designed for a wide variety of industrial and agricultural applications. High resin PVC offers a premium cover compound that is easily fabricated using thermoweld and high frequency equipment. This compound also makes this belt an excellent alternative to similar rubber products.

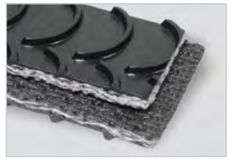


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER BLACK PVG MATTE COVER X MATTE COVER						
4146	20104146	-20°F to 180°F	0.16"	0.087	2.5"	U2 Clipper®, #15 Alligator®, RS125 Staple

Medium-duty utility PVC belt designed for a wide variety of industrial and agricultural applications. High resin PVC offers a premium cover compound that is easily fabricated using thermoweld and high frequency equipment. This compound also makes this belt an excellent alternative to similar rubber products.

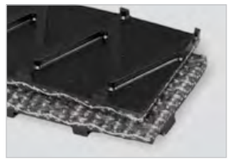
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVC CHEVRON TOP X BRUSHED						
4324	20104324	0°F to 180°F	0.25"	0.070	2"	UX1 Clipper®, #15 Alligator®, RS125 Staple

The herringbone pattern of alternating rows of solid PVC chevron profiles form a cover capable of moving free flowing bulk solids. Materials such as grains, food stuffs, feeds, and fertilizers can be carried up steep inclines. The chevron shape assists in draining liquids from wet products.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVC CRESCENT TOP X BRUSHED						
4327	20104327	20°F to 180°F	0.232"	0.072	2.5"	UX1 Clipper®, #27 Alligator®, RS187 Staple
INTERWOVEN 200# POLYESTER BLACK PVC CRESCENT TOP X BRUSHED						
185	20035530	20°F to 180°F	0.344"	0.130	6"	U4 Clipper®, #27 Alligator®, RS187 Staple

Crescent top profiles project from the belt surface to aggressively assist the belt in moving bulk solids. By running the belt in the opposite direction, the crescent shapes can assist in draining liquids from wet products. Crescents overlap to assure smooth, quiet running on return rolls. For heavier and wider loads we recommend the 200# fabric.

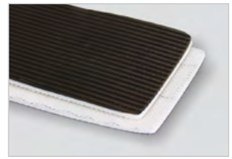


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVG Z-TOP X BRUSHED						
4329	20104329	-20°F to 180°F	0.245"	0.083	3"	UX1 Clipper®, #15 Alligator®, RS125 Staple

Very sturdy and aggressive, this impression top, incline belt is used in agricultural applications as well as chemical, fertilizer, and industrial applications. The impression is deep enough to increase load capacity up inclines but designed in shapes that allow the belt to run smoothly on the conveyor return rollers.

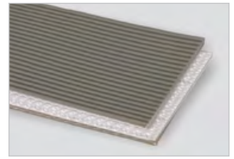
DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride



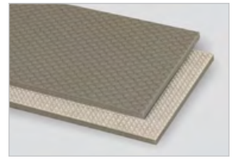
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLACK PVC V-RUNNER X BARE						
4328	20104328	20°F to 175°F	0.110"	0.053	2"	UX1 Clipper®, #1 Alligator®, RS62 Staple
NEEDLED 120# POLYESTER BLACK PVC V-RUNNER X BRUSHED						
4340	20104340	-10°F to 195°F	0.155"	0.075	1.5"	U2SP Clipper®, #7 Alligator®, RS125 Staple

An incline belt with a premium high grip PVC grooved cover for use on low profile applications. Used in dirty, dusty conditions. An occasional cleaning will restore the high grip action. Additionally, #4328 features a low noise, pulley side fabric and is specifically designed for use in large distribution centers.



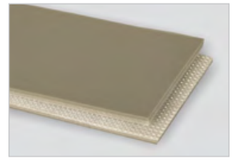
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT GRAY PVC V-RUNNER X BARE						
4326	20104326	20°F to 175°F	0.102"	0.050	2"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

V-runner premium PVC top cover utilizes longitudinal grooves to achieve its aggressive grip. Can be easily finger spliced resulting in top quality endless belts. In dirty and dusty conditions, occasional cleaning restores the gripping action.



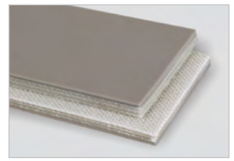
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 90# POLYESTER MONOFILAMENT GRAY PVC SNAKE SKIN STICKY TOP X BARE						
4162	20104162	20°F to 180°F	0.125"	0.053	2"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

Specialty high friction tops used in difficult inclines, declines, or as brake or spacer belts. Can handle paperboard containers and some totes on inclines up to 45°. Primarily effective in clean, dry environments. This belt is made with premium soft durometer PVC covers.



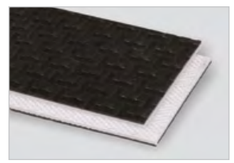
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 65# POLYESTER MONOFILAMENT GRAY PVC SMOOTH STICKY TOP X BARE						
4160	20104160	0°F to 160°F	0.138"	0.067	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Specialty high friction tops used in difficult inclines, declines or as brake or spacer belts. Can handle paperboard containers and some totes on inclines up to 45°. Primarily effective in clean, dry environments. This belt is made with premium soft durometer PVC covers.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 135# POLYESTER MONOFILAMENT GRAY PVC SMOOTH STICKY TOP X BARE						
4163	20104163	20°F to 170°F	0.177"	0.084	4.9"	U2 Clipper®, #15 Alligator®, RS187 Staple

Specialty high friction tops used in difficult inclines, declines, or as brake or spacer belts. Can handle paperboard containers and some totes on inclines up to 45°. Primarily effective in clean, dry environments. This belt is made with premium soft durometer PVC covers.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 225# POLYESTER TAN SBR DIAMOND TOP X BARE						
4367	20104367	5°F to 176°F	0.091"	0.039	1.18"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

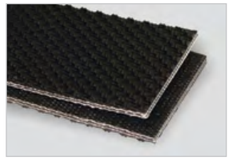
Unique impression provides tremendous positive control of packages on inclines and declines. Polyester monofilament construction provides a strong, cross-rigid product that is flexible enough to negotiate small pulleys.

INCLINE BELTING

DESCRIPTION ABBREVIATION KEY

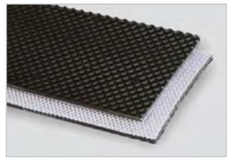
PVC = Poly Vinyl Chloride

SBR = Styrene Butadiene Rubber



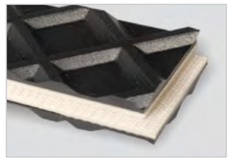
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# SPUN POLYESTER BLACK RMV PEBBLETOP X FRICTION						
4392	20104392	20°F to 180°F	0.115"	0.056	1.5"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Pebbletop impression is used when more traction is called for, but a roughtop belt is too much. Popular in wood products and metal stamping.



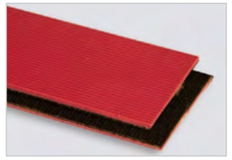
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT BLACK PVC QUAD TOP X BARE						
4393	20104393	20°F to 180°F	0.102"	0.051	2"	UX1SP Clipper®, #7 Alligator®, RS62 Staple

Traditional quad (inverted diamond) pattern makes this polyester monofilament belt a great choice as an alternative to standard roughtops when a less aggressive cover is required. More easily cleaned, this belt is popular in a wide range of industrial applications. Thermoplastic elastomer allows for easy splicing and fabrication including cleats and V-guides.



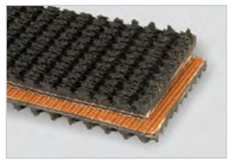
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER MONOFILAMENT BLACK PVC WAFFLE TOP X BARE						
4383	20104383	5°F to 176°F	0.335"	0.136	3.94"	U2 Clipper®, #20 Alligator®, RS187 Staple

This unique belt was designed with a square diamond, permanently anti-static, oil resistant cover that is ideal for box rail applications as well as sanding and woodwork machines.



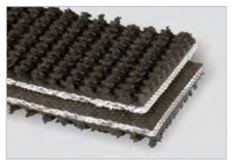
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER BLACK SBR ROUGHTOP X BARE						
4339	20104339	-40°F to 250°F	0.125"	0.057	1.5"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Popular standard roughtop belt that can be used as pulley lagging. Features a deep, nonskid hemp impression roughtop surface that enables products to be conveyed on inclines and declines. Popular for strip lagging pulleys.



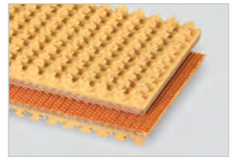
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER BLACK SBR ROUGHTOP X BARE						
4301	20104301	0°F to 250°F	0.281"	0.110	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Popular standard roughtop belt that can be used as pulley lagging. Features a deep, nonskid hemp impression roughtop surface that enables products to be conveyed on inclines and declines. Popular for strip lagging pulleys.



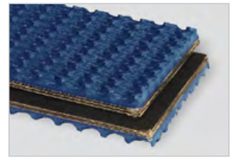
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 120# COTTON/POLYESTR BLACK SBR ROUGHTOP X BARE						
4302	20104302	-40°F to 250°F	0.359"	0.132	3"	U2 Clipper®, #15 Alligator®, RS187 Staple

Constructed of three plies of cotton/polyester carcass. Excellent tracking characteristics and high grip capabilities.



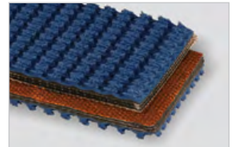
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER TAN NATURAL RUBBER ROUGHTOP X BARE						
4304	20104304	-40°F to 250°F	0.28"	0.10	2"	UX1SP Clipper®, #7 Alligator®, RS125 Staple
3-PLY 225# POLYESTER TAN NATURAL RUBBER ROUGHTOP X BARE						
4305	20104305	-40°F to 250°F	0.334"	0.126	3"	UX1 Clipper®, #15 Alligator®, RS125 Staple

Gum rubber roughtops have been a standard in paper industries as well as package handling. Soft pure gum cover provides a very aggressive and extended wear top cover. Still popular in some paperboard and box plant applications.



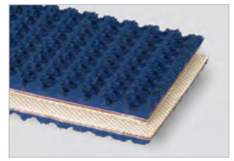
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER BLUE CARBOXYLATED NITRILE ROUGHTOP X FRICTION						
4307	20104307	0°F to 250°F	0.319"	0.116	3"	U2 Clipper®, #15 Alligator®, RS187 Staple

Carboxylated nitrile roughtop provides superior service with longer wear and better cut and gouge resistance than standard compounds used in general purpose roughtop specifications. Excellent abrasion resistant properties. Popular for box board conveying.



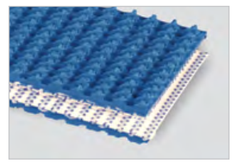
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON BLUE CARBOXYLATED NITRILE ROUGHTOP X BARE						
4377	20104377	20°F to 212°F	0.297"	0.096	4"	U2 Clipper®, #15 Alligator®, RS187 Staple

Good choice for high wear and abrasive applications. Oil, grease, and chemical resistant. Popular for metal stamping, corrugated box, and paper conversion applications.



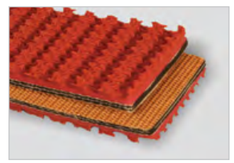
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 90# MULTIFILAMENT BLUE CARBOXYLATED NITRILE ROUGHTOP X BARE						
4330	20104330	0°F to 250°F	0.26"	0.106	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Versatile, flexible and tough light-duty belt built to withstand oil, grease and abrasion. Able to wrap small pulleys, and multifilament carcass is easy to splice.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
1-PLY 150# PLASTIC MESH ZIPLINK BLUE CARBOXYLATED NITRILE ROUGHTOP X BARE						
4378	20104378	0°F to 250°F	0.254"	0.098	3"	ZipLink Splice

This belt features a blue carboxilated nitrile roughtop on a polyester monofilament spiral link mesh carcass. The ZipLink design eliminates mechanical lace and replaces time consuming, costly, vulcanized endless splices. Features a longer service life due to no "weak link". The roughtop cover offers excellent cut, abrasion, and oil resistance for long wear in the toughest of applications. Commonly used in metal stamping and corrugated cardboard industries.

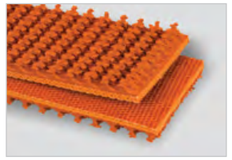


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 225# POLYESTER RED CARBOXYLATED NITRILE ROUGHTOP X BARE						
4360	20104360	0°F to 250°F	0.284"	0.106	3"	U2 Clipper®, #15 Alligator®, RS187 Staple

Heavy-duty, non-marking roughtop belt that withstands the effects of oil, grease and abrasion. Popular for high wear applications for corrugated boxes and conversion applications.

DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride

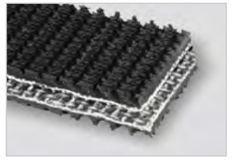


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON ORANGE CARBOXYLATED NITRILE ROUGHTOP X BARE						
4309	20104309	20°F to 212°F	0.328"	0.126	4"	U2 Clipper®, #15 Alligator®, RS187 Staple

Carboxylated nitrile roughtop provides superior service with longer wear and better cut and gouge resistance than standard compounds used in general purpose roughtop specifications. Excellent abrasion resistant properties. Popular for box board conveying.

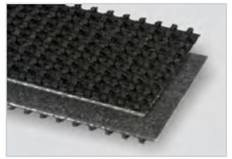
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON BROWN NITRILE ROUGHTOP X BARE						
4308	20104308	0°F to 250°F	0.275"	0.100	2.5"	UX1 Clipper®, #15 Alligator®, RS125 Staple

An excellent choice for oil, heat, grease or chemical resistance. Extremely strong yet flexible. This belt is often used for oily parts and light-stamping applications where sharp parts are taken up inclines to hoppers or scrap bins.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 120# POLYESTER BLACK PVC ROUGHTOP X FRICTION						
4321	20104321	20°F to 180°F	0.313"	0.080	3"	UX1 Clipper®, #7 Alligator®, RS125 Staple
INTERWOVEN 150# POLYESTER BLACK PVC ROUGHTOP X FRICTION						
61B	20035509	20°F to 180°F	0.203"	0.113	3"	#2 Clipper®, #20 Alligator®, RS125 Staple

Our PVC roughtop cover has non-skid surface that enables packages, boxes and cases to be conveyed in both incline and declines. Solid woven polyester carcass has high strength and low stretch capabilities.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
NEEDLED 120# POLYESTER BLACK PVC ROUGHTOP X BRUSHED						
4391	20104391	-10°F to 158°F	0.22"	0.075	2.8"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Medium-duty PVC roughtop cover has non-skid surface that enables packages, boxes and cases to be conveyed in both incline and declines. Needled polyester carcass offers low stretch and quiet weave construction.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 110# POLYESTER GREEN PVC EXTRA GRIP ROUGHTOP X BRUSHED						
4322	20104322	0°F to 180°F	0.275"	0.077	2"	UX1 Clipper®, #7 Alligator®, RS125 Staple

Top cover features non-marking, soft PVC compound for extra grab on challenging incline and decline applications. High performance and economical price.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
INTERWOVEN 200# POLYESTER RED PVC ROUGHTOP X BRUSHED						
4357	20104357	20°F to 180°F	0.34"	0.129	4"	U2 Clipper®, #15 Alligator®, RS187 Staple

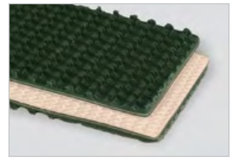
Tough, durable, and low stretch carcass combined with tough PVC cover provides moderate oil and chemical resistance. Very popular for transporting OSB/particle boards, and in the plywood industry.

DESCRIPTION ABBREVIATION KEY

EXW = Unique Sine Wave Cover

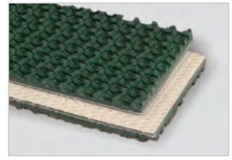
PVC = Poly Vinyl Chloride

SBR = Styrene Butadiene Rubber



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT GREEN PVC ROUGHTOP X BARE						
4346	20104346	20°F to 180°F	0.219"	0.080	2.4"	U2 Clipper®, #7 Alligator®, RS125 Staple

Soft, high grip top PVC cover with plied polyester monofilament carcass to wrap small pulley diameters and low stretch features.

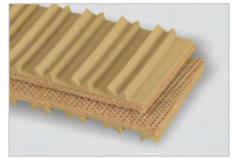


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 100# POLYESTER MONOFILAMENT GREEN PVC ROUGHTOP X BARE						
4350	20104350	-4°F to 140°F	0.209"	0.075	2.4"	U2 Clipper®, #7 Alligator®, RS125 Staple

PVC top cover popular in distribution/sorting centers. Unique sine wave cover is designed for low noise and allows the belt to run quieter on return idlers.

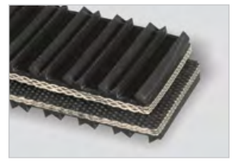
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON BROWN NITRILE V-TOP X FRICTION						
4310	20104310	20°F to 212°F	0.297"	0.095	4"	U2 Clipper®, #15 Alligator®, RS125 Staple

One of the more aggressive roughtop belts on the market. V-top can take corrugated packages up inclines as steep as 45°. For slick plastic tote applications this is a belt worth consideration. Excellent oil resistance.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 150# POLYESTER/NYLON TAN PURE GUM V-TOP X FRICTION						
4311	20104311	-30°F to 180°F	0.297"	0.089	4"	#2 Clipper®, #25 Alligator®, RS125 Staple

Soft gum rubber surface allows for exceptional gripping power to convey packages and totes in high incline and decline applications.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 105# COTTON/POLYESTER BLACK SBR V-TOP X FRICTION						
4312	20104312	-30°F to 180°F	0.3328"	0.102	4"	U2 Clipper®, #15 Alligator®, RS125 Staple

Profile features 1/4" tall high rubber nubs with V-notches for extra gripping power. Great for handling packages, plastic totes, and bagged goods.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER TAN SBR SIPED DIAMOND TOP X BARE						
4313	20104313	-40°F to 250°F	0.31"	0.106	2.5"	U2 Clipper®, #15 Alligator®, RS125 Staple
3-PLY 240# POLYESTER TAN SBR DIAMOND TOP X BARE						
4374	20104374	-40°F to 250°F	0.295"	0.101	2.5"	U2 Clipper®, #15 Alligator®, RS187 Staple

Sometimes referred to as "wedgegrip", our tan non-marking diamond shaped profiled design has high coefficient of friction for exceptional gripping capabilities. Popular for cases, parcels, and bagged goods. It is also used for aftermarket belts for the US post office.

DESCRIPTION ABBREVIATION KEY

SBR = Styrene Butadiene Rubber

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 90# COTTON/POLYESTER TAN NATURAL RUBBER STEEP-GRADE X FRICTION						
4379	20104379	0°F to 250°F	0.110"	0.125	4"	ZipLink Splice

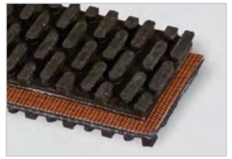
This belt features a high grip, tan, diamond profile on a polyester monofilament spiral mesh carcass. The ZipLink design eliminates mechanical lace and repalces time consuming, costly, vulcanized endless splices. Featuers a longer service life due to no "weak link". The diamond top profile provides positive grip on steep inclines/declines. Troughable and easily tracked, this belt is also non-marking.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER BLACK SBR SIPED DIAMOND TOP X BARE						
4314	20104314	0°F to 250°F	0.281"	0.090	3"	U2 Clipper®, #15 Alligator®, RS125 Staple
3-PLY 225# POLYESTER BLACK SBR DIAMOND TOP X BARE						
4375	20104375	-40°F to 250°F	0.36"	0.133	3"	U2 Clipper®, #15 Alligator®, RS187 Staple

Sometimes referred to as "wedgegrip", our diamond shaped profiled design has high coefficient of friction for exceptional gripping capabilities. Popular for cases, parcels, and bagged goods. It is also used for aftermarket belts for the US post office.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 90# COTTON/POLYESTER TAN NATURAL RUBBER STEEP-GRADE X FRICTION						
4315	20104315	-40°F to 250°F	0.33"	0.109	2.5"	U2 Clipper®, #15 Alligator®, RS125 Staple

Oval shaped nubs on top cover is a popular choice for high angle inclines and declines. The unique cover design prevents slippage of products, as well as cushioning protection for boxes, cartons, and packaged goods.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# POLYESTER BLACK SBR STEEP-GRADE X BARE						
4317	20104317	-40°F to 250°F	0.287"	0.099	2"	U2 Clipper®, #15 Alligator®, RS125 Staple
3-PLY 90# COTTON/POLYESTER BLACK SBR STEEP-GRADE X FRICTION						
4334	20104334	-40°F to 250°F	0.33"	0.112	2.5"	U2 Clipper®, #15 Alligator®, RS125 Staple

Oval shaped nubs on top cover is a popular choice for high angle inclines and declines. The unique cover design prevents slippage of products, as well as cushioning protection for boxes, cartons, and packaged goods.

HEAVY-DUTY BELTING

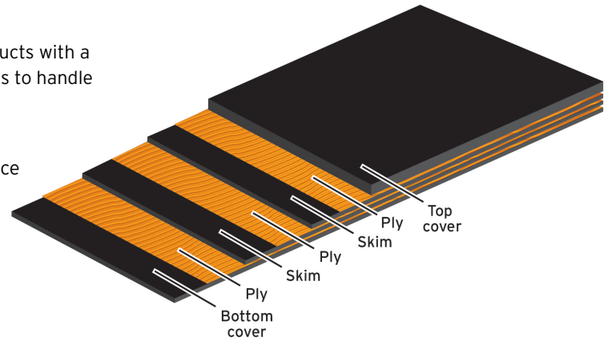
Apache's heavy-duty belting is designed to excel under demanding conditions. Our belts handle applications requiring resistance to high temperature, oil, hot asphalt, chemicals, grease, animal fat, impact, tearing, high speeds, static build-up, combustion, and severe weather conditions.

BELT CONSTRUCTION

We have a vast selection of heavy-duty belting products with a broad range of tension ratings and cover compounds to handle a wide variety of products:

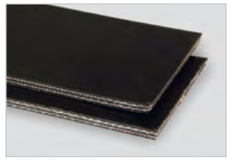
POPULAR, DURABLE CONSTRUCTIONS

- Standard Grade 2 covers for abrasion resistance
- Grade 1 covers for impact and tear resistance
- Moderate and super oil resistant specs
- High-temperature, fire retardant, and static conductive constructions
- Plied and straight warp carcasses available to meet specific application needs



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# 1/32 X BARE GRADE 2						
1	20027202	-25°F to 225°F	1/8"	0.075	4"	#2 Clipper®, #15 Alligator®, RS125 Staple

Standard grade rubber covers resist abrasion and weathering in non-oily applications. Used as an economical, general purpose belt and is popular in many agricultural applications, including potato conveying and transport on slider beds.

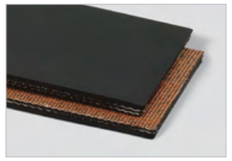


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# 1/32 X 1/32 GRADE 2						
2	20027301	-25°F to 225°F	3/16"	0.085	4"	#3 Clipper®, #25 Alligator®, RS187 Staple

Standard grade rubber covers for light-duty unit and bulk handling applications. Popular fabricated belting for transporting potatoes, wood products, and light bulk materials.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# 1/8 X 1/32 GRADE 2						
3	20000010	-25°F to 225°F	1/4"	0.138	8"	#140 Solid Plate, #375 Bolt On, R2 Rivet

Popular and versatile choice for small capacity conveyors. Durable covers and flexible carcass allow belt to wrap small pulley diameters.

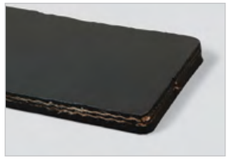


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/8 X BARE GRADE 2						
6A	20029525	-25°F to 225°F	1/4"	0.145	10"	RS187 Staple, #140 Solid Plate, #375 Bolt On, R2 Rivet

Excellent medium-duty conveyor belt with moderately thick abrasion resistant top cover. Popular for pan/metal bed conveyors, particularly recycling and wood waste.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/8 X 1/16 GRADE 2						
8	20013600	-25°F to 225°F	5/16"	0.167	10"	#140 Solid Plate, #550 Bolt On, R5 Rivet

Popular and versatile belt for medium-duty applications. Grade 2 covers provide excellent abrasion resistance and durability.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 1/16 GRADE 2						
9	20017500	-25°F to 225°F	11/32"	0.195	12"	#140 Solid Plate, #550 Bolt On, R5 Rivet

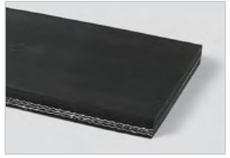
One of the most popular belts in today's marketplace. Widely used to handle aggregate and other abrasive materials. 3/16" top cover offers durability and long belt life.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 3/16 X 1/16 GRADE 2						
11	20023005	-25°F to 225°F	13/32"	0.205	16"	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

Very popular belt used extensively to transport rock, sand, and gravel. Offers tough polyester/nylon carcass and abrasion resistant Grade 2 covers for needed durability.

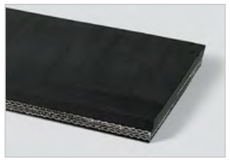
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 1/4 X 1/16 GRADE 2						
12	20026039	-25°F to 225°F	15/32"	0.215	16"	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

Popular heavy-duty belt where additional top cover protection is needed for better abrasion and gouge resistance. Widely used in aggregate and mining applications.



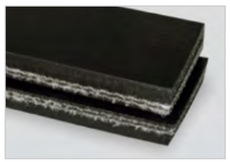
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 440# 1/4 X 1/16 GRADE 2						
13	20026815	-25°F to 225°F	9/16"	0.280	20"	#190 Solid Plate, #550 Bolt On, R6 Rivet

Excellent heavy-duty belt when higher tensions are required and to support wide loads. Thick top cover withstands impact, cutting, and gouging.

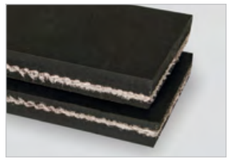


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 400# 5/16 X 1/16 GRADE 2						
15	20017538	-25°F to 225°F	1/2"	0.300	16"	#140 Solid Plate, #550 Bolt On, R5 Rivet

A popular heavy-duty belt, particularly in confined spaces with limited clearances. This belt is an excellent replacement for 3-ply 330#, and can wrap a 16" diameter head pulley. Provides a heavier top cover, higher strength, and greater durability. Very popular for primary and mobile crushers in the aggregate industry.

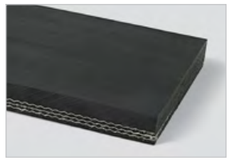


GRAIN BELTING



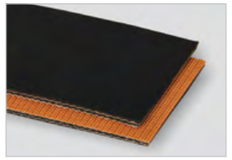
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
1-PLY 440# 1/4 X 1/1/8 GRADE 1						
246A	20029850	-25ºF to 225ºF	9/16"	0.295	20"	#190 Solid Plate, #550 Bolt On, R6 Rivet

Single-ply straight warp belt carcass offers exceptional life, low stretch, and high volume carrying capacity. Thick, Grade 1 covers withstand high impact, tearing, and gouging.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 600# 3/8 X 3/32 GRADE 1						
14B	20241012	-25ºF to 225ºF	23/32"	0.375	24"	#1-1/2" Solid Plate, R6 Rivet

High tension belt for handling heavy material, higher tonnages, and large lump sizes. Extra-thick Grade 1 cover. Withstands high impact as well as tearing and gouging from sharp/heavy material.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# 1/32 X BARE MODERATE OIL RESISTANCE						
21	20027200	0ºF to 250ºF	1/8"	0.075	4"	#2 Clipper®, #15 Alligator®, RS125 Staple

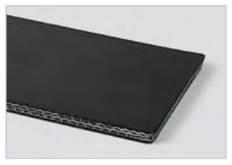
Popular choice for conveyors requiring small pulleys and low capacity. Often used in moderately oily applications such as agriculture and wood waste.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/16 X 1/16 STATIC CONDUCTIVE OIL RESISTANT FIRE RETARDANT GRAIN						
23A	20021628	0ºF to 250ºF	15/64"	0.160	12" (14" elevator)	#140 Solid Plate, #375 Bolt On, R5 Rivet

Special compounds in this belt make it an excellent choice for handling grain and other applications requiring resistance to mineral, animal, or vegetable fats. It is also static conductive for use on grain conveyors and in grain elevators where static charges must be held to minimums. Belt is flame retardant.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 1/16 X 1/16 STATIC CONDUCTIVE OIL RESISTANT FIRE RETARDANT GRAIN						
25A	20021630	0ºF to 250ºF	17/64"	0.130	16" (18" elevator)	#140 Solid Plate, #550 Bolt On, R5 Rivet

Special compounds in this belt make it an excellent choice for handling grain and other applications requiring resistance to mineral, animal, or vegetable fats. It is also static conductive for use on grain conveyors and in grain elevators where static charges must be held to minimums. Belt is flame retardant.

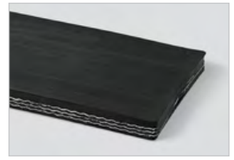


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 600# 1/16 X 1/16 STATIC CONDUCTIVE OIL RESISTANT FIRE RETARDANT GRAIN						
27A	20021635	0ºF to 250ºF	3/8"	0.195	20" (24" elevator)	#140 Solid Plate, #550 Bolt On, R5 Rivet

Special compounds in this belt make it an excellent choice for handling grain and other applications requiring resistance to mineral, animal, or vegetable fats. It is also static conductive for use on grain conveyors and in grain elevators where static charges must be held to minimums. Belt is flame retardant.

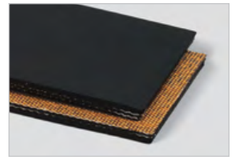
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 1/16 MODERATE OIL RESISTANCE						
24B	20017332	0ºF to 250ºF	11/32"	0.200	12"	#190 Solid Plate, #550 Bolt On, R5 Rivet

Popular belt for applications requiring moderate oil resistant covers such as waste water treatment, recycling, wood chips, and some grains.



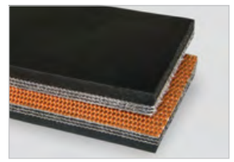
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 3/16 X 1/16 MODERATE OIL RESISTANCE						
26A	20021820	0ºF to 250ºF	13/32"	0.220	16"	#190 Solid Plate, #550 Bolt On, R5 Rivet

Heavy-duty belt for applications requiring moderate oil resistant covers such as recycling, wood chips, and some grains.



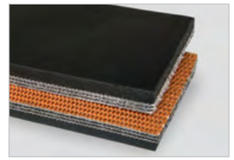
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/8 X BARE MODERATE OIL RESISTANCE						
26C	20029690	0ºF to 250ºF	1/4"	0.150	10"	RS187 Staple, #140 Solid Plate, #375 Bolt On, R2 Rivet

Very versatile belt used extensively in recycling applications to withstand the effects of light oils, chemicals, and greases. Stocked in a variety of widths up to 84".



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 225# 1/8 X BARE MODERATE OIL RESISTANCE						
81	20029739	0ºF to 250ºF	5/16"	0.165	12"	RS187 Staple, #140 Solid Plate, #375 Bolt On, R5 Rivet

Versatile belt with moderate oil resistant top cover and bare bottom to operate on slider beds and metal pans. Used extensively in recycling applications to withstand the effects of light oils, chemicals, and greases. Available in wide widths.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 3/16 X BARE MODERATE OIL RESISTANCE						
26B	20029734	0ºF to 250ºF	11/32"	0.180	16"	#190 Solid Plate, #375 Bolt On, R5 Rivet

Versatile heavy-duty belt with thick 3/16" moderate oil resistant top cover and bare bottom to operate on slider beds and metal pans. Popular for recycling and wood products.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 1/16 400º MAXI-HEAT						
41	20021199	***400ºF for 2" lumps and above, 300ºF for fines and dense baking loads***	3/8"	0.195	12"	#190 Solid Plate, #550 Bolt On, R5 Rivet

Quality heat resistant belt compounded to withstand elevated temperatures. Popular for cement and foundry applications. Will withstand occasional spikes up to 400ºF. Maximum operating temperature for fines and dense baking loads is 300ºF.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 1/16 700º SUPER-HEAT						
41A	20021237	***700ºF for 2" lumps and above, 500ºF for fines and dense baking loads***	3/8"	0.195	12"	#190 Solid Plate, #550 Bolt On, R5 Rivet

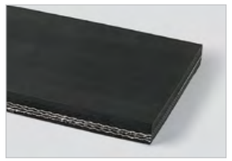
Premium belt for higher temperature requirements. Popular in cement and foundry applications. Hybrid cover compounds provide extended life and can take occasional spikes up to 700ºF. Maximum operating temperature for fines and dense baking loads is 500ºF.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 1/16 350° SUPER OIL RESISTANT HOT ASPHALT						
42	20021030	0°F to 350°F	3/8"	0.195	12"	#190 Solid Plate, #550 Bolt On, R5 Rivet

Excellent heat and oil resistant belt. Used in elevated oily temperature applications such as hot asphalt, machine oils, and oil treated coal. Special blended cover compounds provide maximum resistance to the deteriorating effects of oils and higher temperatures.

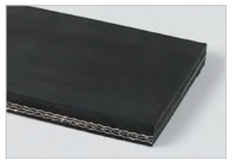
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 3/16 X 1/16 350° SUPER OIL RESISTANT HOT ASPHALT						
42A	20021093	0°F to 350°F	7/16"	0.215	18"	#190 Solid Plate, #550 Bolt On, R5 Rivet

Excellent heat and oil resistant belt with higher tension strengths. Used in elevated oily temperature applications such as hot asphalt, oily grains, machine oils, and oil treated coal. Special blended cover compounds provide maximum resistance to the deteriorating effects of oils and higher temperatures.



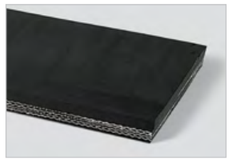
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 3/16 X 1/16 400° MAXI-HEAT						
177A	20021375	***400°F for 2" lumps and above, 300°F for fines and dense baking loads***	7/16"	0.215	18" (20" elevator)	#190 Solid Plate, #550 Bolt On, R5 Rivet
3-PLY 330# 1/4 X 1/16 400° MAXI-HEAT						
177	20026766	***450°F for 2" lumps and above, 300°F for fines and dense baking loads***	1/2"	0.232	18" (20" elevator)	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

Quality heat resistant belt compounded to withstand elevated temperatures. 1/4" top cover provides impact resistance and added carcass protection. Will withstand occasional spikes up to 450°F. Maximum operating temperature for fines and dense baking loads is 300°F.



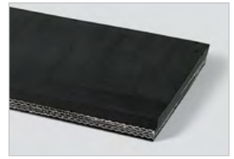
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 3/16 X 1/16 700° SUPER-HEAT						
43B	20029019	***700°F for 2" lumps and above, 500°F for fines and dense/ baking loads***	7/16"	0.215	18" (20" elevator)	#190 Solid Plate, #550 Bolt On, R5 Rivet
3-PLY 330# 1/4 X 1/16 700° SUPER-HEAT						
43A	20026790	***700°F for 2" lumps and above, 500°F for fines and dense/ baking loads***	1/2"	0.232	18" (20" elevator)	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

Premium belt for higher temperature requirements. Popular in cement and foundry applications. 1/4" top cover provides impact resistance and added carcass protection. Will withstand occasional spikes up to 700°F. Maximum operating temperature for fines and dense baking loads is 500°F.



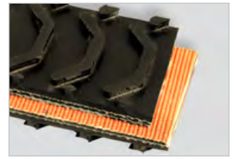
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 440# 1/4 X 3/32 400° MAXI-HEAT						
284	20026819	***400°F for 2" lumps and above, 300°F for fines and dense/baking loads***	19/32"	0.295	20" (24" elevator)	#190 Solid Plate, #550 Bolt On, R6 Rivet

High tension 4-ply belt designed for heavy-duty elevator service to transport hot material. Thick top and bottom covers withstand heat and protect belt carcass. Will withstand occaisional spikes up to 400°F. Maximum operating temperature for fines and dense baking loads is 300°F.



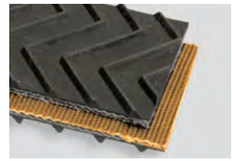
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 440# 1/4 X 3/32 700° SUPER-HEAT						
284A	20026820	***700°F for 2" lumps and above, 500°F for fines and dense/baking loads***	19/32"	0.295	20" (24" elevator)	#190 Solid Plate, #550 Bolt On, R6 Rivet

High tension 4-ply construction particularly suited for heavy-duty elevator service of hot materials. Thick covers protect belt carcass. Will withstand occasional spikes up to 700°F. Maximum operating temperature for fines and dense baking loads is 500°F.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 150# 1/16 MINI-BITE X BARE MODERATE OIL RESISTANCE						
216	20029520	0°F to 250°F	3/8"	0.130	4"	#2 Clipper®, #20 Alligator®, RS125 Staple
2-PLY 220# 1/16 MINI-BITE X BARE GRADE 2						
4415	20104415	-20°F to 225°F	7/16"	0.145	14"	#2 Clipper®, #20 Alligator®, RS187 Staple

Versatile, light/medium-duty belting for handling bulk materials such as grain, nut hulls, wood products, and wood waste. The 2-Ply 150# belt features moderate oil resistant covers.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# CONTINUOUS CHEVRON TOP X BARE						
71	20029577	-40°F to 225°F	.275"	0.115	3"	#2 Clipper®, #20 Alligator®, RS125 Staple

Versatile belting with great flexibility and low temperature rating. Excellent choice for conveying sand, grain, and other bulk materials. Popular for railroad car unloading and tubeveyor applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 1/16 SUPER-FREEZE						
29	20021239	-95°F to 500°F	3/8"	0.195	12"	#190 Solid Plate, #550 Bolt On, R5 Rivet

Premium belt for extreme temperature requirements. Popular in cement and foundry applications. Hybrid cover compounds provide extended life, and will withstand temperatures down to -95°F.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 1/4 X 1/16 SUPER-FREEZE						
44	20026793	-95°F to 500°F	1/2"	0.232	18" (20" elevator)	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

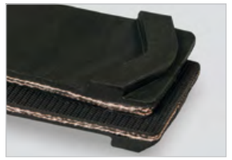
Premium belt for extreme temperature requirements. Popular in cement and foundry applications. 1/4" top cover provides impact resistance and added carcass protection. Will withstand temperatures down to -95°F.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
4-PLY 440# 1/4 X 3/32 SUPER-FREEZE						
290	20026823	-95°F to 500°F	19/32"	0.295	20" (24" elevator)	#190 Solid Plate, #550 Bolt On, R6 Rivet

High tension 4-ply construction particularly suited for heavy-duty elevator service of cold materials. Thick covers protect belt carcass. Will withstand temperatures down to -95°F.

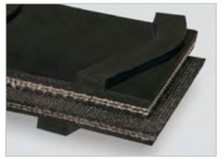
MOLDED CHEVRON BELTING

For more information about Durocleat™ belting see p. 64 in the Fabrication section.



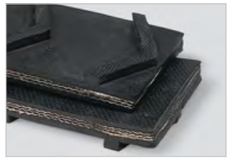
SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/8 X 1/16 DUROCLEAT™ GRADE 2						
57A	20029603	-25°F to 225°F	5/16"	0.210	12"	#190 Solid Plate, #375 Bolt On, R5 Rivet

1/4" high x 3/8" wide x 6" overall width molded chevron cleats running the full width of the belt. Popular for incline applications for aggregate, road construction, and recycling.



SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/8 X 1/16 DUROCLEAT™ MODERATE OIL RESISTANCE						
58	20029601	0°F to 250°F	5/16"	0.210	12"	#190 Solid Plate, #375 Bolt On, R5 Rivet

1/4" high x 3/8" wide x 6" overall width molded chevron cleats running the full width of the belt. Popular for incline applications for road construction, recycling, wood chips, and grain handling.

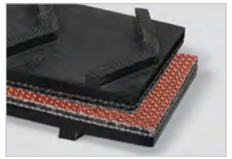


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 1/8 X 1/16 DUROCLEAT™ GRADE 2						
178	20029605	-25°F to 225°F	3/8"	0.260	18"	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

1/4" high x 3/8" wide x 6" overall width molded chevron cleats running the full width of the belt. Popular for incline applications for aggregate, road construction, and recycling.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 1/8 X 1/16 DUROCLEAT™ MODERATE OIL RESISTANCE						
59B	20029615	0°F to 250°F	3/8"	0.250	18"	#190 Solid Plate, #550 Bolt On, R5-1/2 Rivet

1/4" high x 3/8" wide x 6" overall width molded chevron cleats running the full width of the belt. Popular for incline applications for road construction, recycling, wood chips, and grain handling.

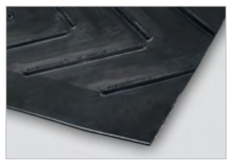


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 1/8 X BARE BACK DUROCLEAT™ MODERATE OIL RESISTANCE						
56B	20029602	0°F to 250°F	0.283"	0.185	10"	#190 Solid Plate, #375 Bolt On, R5 Rivet

1/4" high x 3/8" wide x 6" overall width molded chevron cleats running the full width of the belt. Designed to run on pan conveyors and metal beds. Very popular in recycling and wood products applications.

SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
3-PLY 330# 1/8 X BARE BACK DUROCLEAT™ MODERATE OIL RESISTANCE						
247	20029607	0°F to 250°F	0.337"	0.225	12"	#190 Solid Plate, #550 Bolt On, R5 Rivet

1/4" high x 3/8" wide x 6" overall width molded chevron cleats running the full width of the belt. Designed to run on pan conveyors and metal beds. Very popular in recycling and wood products applications.

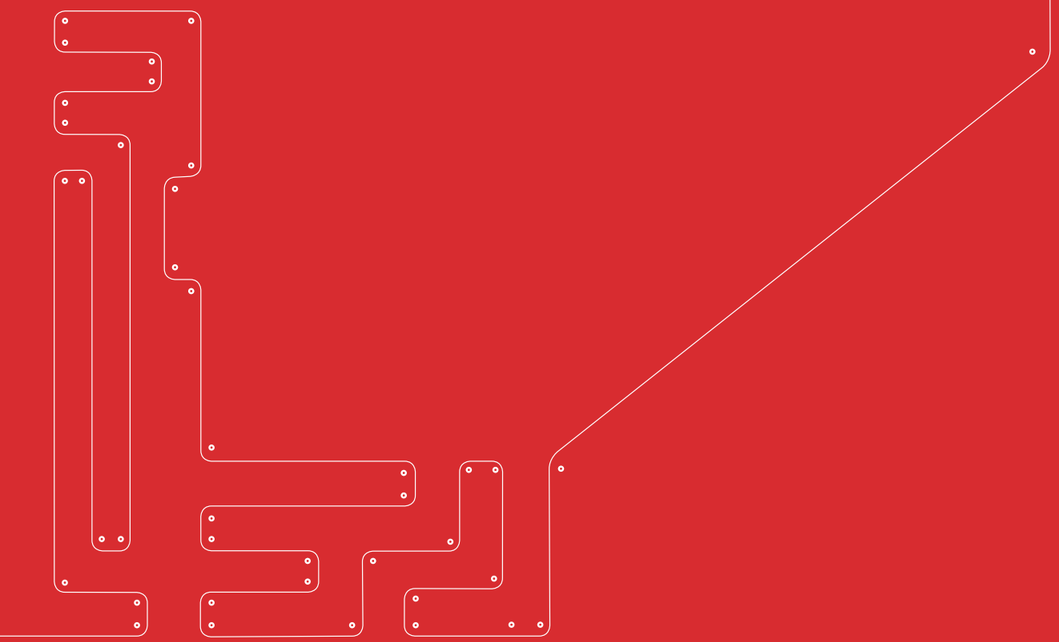


SPEC#	PART#	TEMP.	THICKNESS	WEIGHT (PIW)	MIN. PULLEY	RECOMMENDED LACING
2-PLY 220# 3/16 X 16 DUROCHEV™ MOLDED WITH 5/8 HIGH X 16 OVERALL WIDTH MOLDED CHEVRONS						
281	20029620	-40°F to 160°F	1"	0.250	14"	#140 Solid Plate, #550 Bolt On, R5 Rivet

Popular 5/8" high molded chevron cleats on 10" centers. Designed for rugged incline applications and popular for conveying rock, sand, and gravel. Cleats recessed from belt edges allow for placement of skirting.

LACING

For time-saving, high-quality belt splicing, mechanical fasteners are the smart alternative to endless belts. The change-out or installation of fasteners can be an easy process, and there are a variety of fastener options available, including Flexco®, Alligator®, Clipper®, and Super-Screw®. We're here to help you select the right option for your lightweight or heavy-duty belt application.



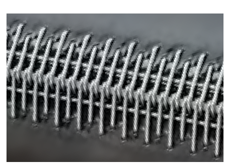
LACING & SPLICING

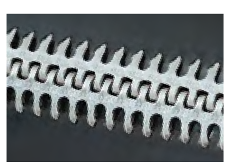
Selecting the correct lacing option for your belt is critical. Apache offers a variety of lacing styles and materials to meet the needs of every application.

FLEXCO® FASTENER MATERIAL SELECTION GUIDE

FASTENER MATERIAL	CHARACTERISTICS					AVAILABILITY									
	Abrasion Resistance	Chemical Resistance	Rust Resistance	Magnetic	Spark-Free	Clipper® Wire Hook	Alligator® lacing	Alligator® staple	Plastic Spiral Lace	Alligator® Plastic Rivet	Alligator® Rivet	Flexco® Bolt Solid Plate	Flexco® Bolt Hinged	Flexco® Rivet Solid Plate	Flexco® Rivet Hinged
Steel	Good	Poor	Poor	Yes	No	•	•	•			•	•	•	•	•
Galvanized Steel	Good	Poor	Good	Yes	No	•									
High Tensile Steel	Good to Excellent	Fair	Good	Yes	No	•									
400 Series Stainless Steel	Good	Fair to Good	Good	Yes	No	•		•						•	
300 Series Stainless Steel	Good	Good to Excellent	Excellent	Slightly	No	•	•	•			•	•	•	•	•
Everdur	Poor	Poor	Poor	No	Yes							•	•	•	
MegAlloy®	Excellent	Poor	Poor	Yes	No			•				•	•	•	•
RustAlloy®	Good	Good	Good	No	No										•
Rubber Coated Steel	Good to Excellent	Poor	Poor	Yes	No							•			
Promal	Excellent	Good	Good	No	No							•			
Monel® 400	Fair	Excellent	Excellent	Slightly	No	•									
Inconel® 600	Fair	Excellent	Excellent even at high temps	No	No	•									
Phospher Bronze	Good	Poor	Good	No	Yes	•									
Hastelloy C-22	Good	Excellent	Excellent	No	No	•									
Black Oxide	Good	Poor	Fair	Yes	No	•									
Non-Metallic	Poor	Fair	N/A	No	Yes				•	•					

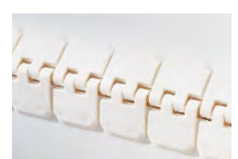
FASTENERS


Clipper® Wire Hook


Alligator® Lacing

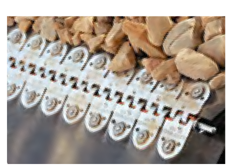

Alligator® Staple


Plastic Spiral Lace

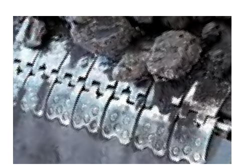

Alligator® Plastic Rivet


Alligator® Rivet

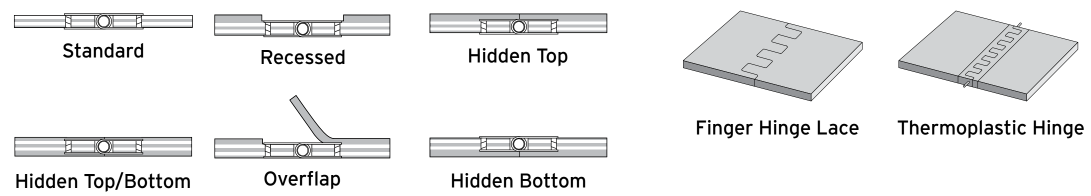

Flexco® Bolt Solid Plate


Flexco® Bolt Hinge


Flexco® Rivet Solid Plate


Flexco® Rivet Hinged

CUSTOM SPLICING OPTIONS



RECESSED LACE
Mechanical splice area is recessed below the belt surface.

OVERFLAP
Mechanical lacing is installed below the belt surface and the top cover is separated from the belt carcass creating a flap over. The cover flap can be glued down after installation.

HIDDEN LACE
Mechanical fasteners are installed below the belt cover to prevent the lace from contacting the product.

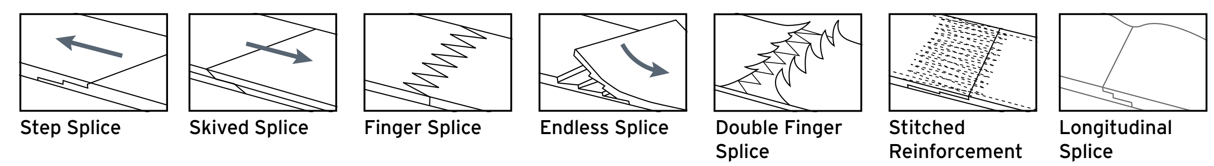
FINGER HINGE LACE
Finger hinge lace is equipped with flexible, hinged plastic lacing, creating an easy, quick repair alternative to endless belts. FHL requires the belt be made of PVC orpolyurethane, have a thickness of .08" to .263", have a minimum belt length of 55", and a maximum belt width of 40".

THERMOPLASTIC HINGE
Thermoplastic hinge lace is made with the same homogeneous material as your belt. This lace is welded to the belt and connected with a metal or nylon pin. Nylon pins should be used when metal detectors are required.(This option is available for Volta products only.)

PVC = Poly Vinyl Chloride

ENDLESS NON-MECHANICAL SPLICING SOLUTIONS

Endless splicing methods eliminate the need for hardware fasteners. This fabrication technique is excellent for food processing and applications where products need to be handled with greater care.



STEP SPLICE BELT
For belts with multiple plies. Plies are separated and "stepped" to interlock with one another at the splice point. Performed by experts in our fabrication facility for quality assurance and appropriate curing time.

SKIVED SPLICE
A precision grinding technique is used to achieve uniform thickness at the splice point for a variety of applications.

FINGER SPLICE
For thermoplastic, urethane and PVC belts. A very durable splice that maintains a smooth belt surface throughout the splice area. Multiple finger patterns are available to meet a variety of applications and system pulley sizes.

ENDLESS-PREPARED
We square and prepare the belt's ends in our fabrication facility for hot or cold cement bonding at the customer's site. (Cement bonding kits with instructions are available.)

DOUBLE FINGER SPLICE
Unlike a standard finger splice, fingers are cut from multiple plies, staggered, then fused together by heat and pressure to create a stronger, more flexible splice.

STITCHED REINFORCEMENT
Certain applications put unusual wear on splices and edges. These areas can be strengthened with stitching.

LONGITUDINAL SPLICING
Very wide belts are created by longitudinally splicing two or more belts of narrower dimension. Plies are expertly stepped and bonded in our fabrication facility to create a uniformly smooth belt as wide as the application requires. Ultra-wide belts can be made endless prior to shipping ... or have ends prepared for field splicing. V-guides and other profiles can also be added.

LIGHTWEIGHT

LIGHTWEIGHT WIRE HOOK SYSTEM

Please note this chart represents common hook sizes. Additional sizes are available or can be custom made for specific application requirements.

CLIPPER® FASTENER AND PIN SIZE SELECTION CHART

MINIMUM PULLEY DIAMETER	WIRE DIAMETER		BELT THICKNESS											
			UP TO 3/64" .047	1/16" .063"	3/32" .093"	1/8" .125"	5/32" .156"	3/16" .188"	7/32" .219"	1/4" .250"	9/32" .281"	5/16" .313"	11/32" .344"	25/64" .390"
	IN	MM	1.2 mm	1.6 mm	2.4 mm	3.2 mm	4.0 mm	4.8 mm	5.6 mm	6.4 mm	7.1 mm	7.9 mm	9.0 mm	10.0 mm
15/16" 24 mm	.025	0.6	25SP*											
	.025	0.6	25											
	.036 x .027	0.9 x 0.7	UCM36SL XSP											
	.036 x .027	0.9 x 0.7		UCM36SL SP										
2" 51 mm	.036 x .027	0.9 x 0.7	UCM36 XSP											
	.036 x .027	0.9 x 0.7		UCM36 SP*										
	.036 x .027	0.9 x 0.7		36 SP*										
	.040	1.0		1 XSP*										
	.040	1.0		UX-1 SP*										
	.036 x .027	0.9 x 0.7			UCM36*									
	.036 x .027	0.9 x 0.7			36*									
	.040	1.0			1 XSP*									
	.036 x .027	0.9 x 0.7				UCM36 LP*								
	.040	1.0				1 *								
	.040	1.0				UX-1*								
	.054	1.4				U2 SP								
	.054	1.4				2SP								
	.054	1.4					2							
	.054	1.4					U2							
3" 76 mm	.054	1.4						3						
	.054	1.4						U3						
4" 102 mm	.054	1.4							4					
	.054	1.4							U4					
	.054	1.4								4-1/2				
5" 127 mm	.054	1.4									5			
	.054	1.4									U5			
6" 152 mm	.054	1.4										6		
	.054	1.4										U6		
7" 175 mm	.054	1.4											7	
	.054	1.4											U7	

*Long Leg configuration is available. Allow for 1" (25 mm) larger minimum pulley diameter.

FASTENER RATINGS	
HOOK SERIES	OPERATING TENSION RANGE
25 Series	Up to 60 PIW/10.2 kN/m
36 Series	Up to 75 PIW/12.7 kN/m
1 (40) Series	Up to 75 PIW/12.7 kN/m
Regular (54) Series	Up to 125 PIW/21.2 kN/m

HOOK ABBREVIATIONS	
XSP	Extra Short Point
SP	Short Point
LP	Long Point
SL	Short Leg
LL	Long Leg

UNIBAR®
CARDED

Note: Fastener ratings are subject to many variables including belt composition, age, speed, cycles, etc. These ratings are intended to serve as a general guide to determine appropriate applications.

HEAVY-DUTY

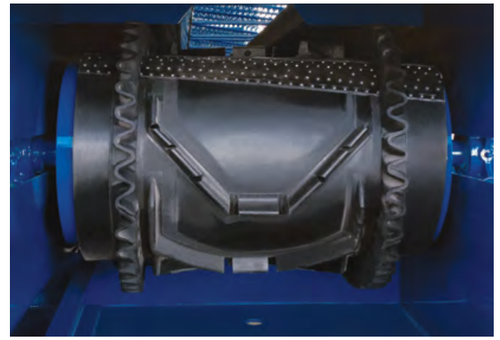
SUPER-SCREW® FASTENERS

Super-Screw® fasteners have the strength and dependability of a vulcanized splice without the costly downtime needed to fabricate an endless belt. With the ability to be installed on any conveyor belt, even in challenging access situations, this fastener is quick and easy to install.

Constructed of multi-ply rubber, Super-Screw® fasteners attach to the belt with special, self-tapping screws. These screws allow the carcass threads to spread without cutting completely through them. This fastener can be fitted to your belt with one, two, or three rows of screws.

ADVANTAGES OF USING SUPER-SCREW® FASTENERS INCLUDE:

- Quick installation
- Installs in all weather conditions
- Cost effective – no need for expensive equipment
- Requires no drilling preparation or templates
- Suitable for belt up to 400°F (200°C)
- Compatible with conveyor scrapers
- Prevents material loss
- Abrasion- and cut-resistant
- Contains high-tensile strength and elasticity
- Available on a roll or in cut lengths
- A variety of compounds available



SUPER-SCREW® GENERAL DATA

SUPER-SCREW® TYPES	35	63	65	80	85	100	105	125	127	180	200
Belt Thickness	5/32" 3.97 mm	5/32" to 1/2" 3.97 to 12.7 mm	5/32" to 1/2" 3.97 to 12.7 mm	5/32" to 19/32" 3.97 to 15.08 mm	5/32" to 19/32" 3.97 to 15.08 mm	5/32" to 19/32" 3.97 to 15.08 mm	5/32" to 14/32" 3.97 to 11.11 mm	9/32" to 13/16" 7.14 to 20.64 mm	9/32" to 13/16" 7.14 to 20.64 mm	9/32" to 13/16" 7.14 to 20.64 mm	9/32" to 3/4" 7.14 to 19.05 mm
Max. Belt Strength (N/Mm)	315	630	630	800	800	1,000	1,000	1,250	1,500	1,800	2,000
Max. Belt Tension (PIW)	200#	360#	360#	460#	460#	570#	570#	710#	710#	1,000#	1,150#
Min. Pulley Ø	6" 152.4 mm	8" 203.2 mm	8" 203.2 mm	10" 254 mm	10" 254 mm	12" 304.8 mm	12" 304.8 mm	12" 304.8 mm	12" 304.8 mm	16" 406.4 mm	20" 508 mm
Top Thickness	5/32" 3.97 mm	3/16" 4.76 mm	15/64" 5.95 mm	15/64" 5.95 mm	9/32" 7.14 mm	9/32" 7.14 mm	11/32" 8.73 mm	9/32" 7.14 mm	11/32" 8.73 mm	9/32" 7.14 mm	11/32" 8.73 mm
Bottom Thickness	5/32" 3.97 mm	11/64" 4.37 mm	11/64" 4.37 mm	7/32" 5.56 mm	7/32" 5.56 mm	7/32" 5.56 mm	7/32" 5.56 mm	15/64" 5.95 mm	15/64" 5.95 mm	15/64" 5.95 mm	15/64" 5.95 mm

READY TO INSTALL

Order Super-Screw® fasteners ready to install and get the length your customer needs, including all the accessories necessary to install them yourself.

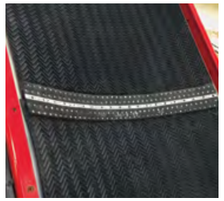
- Spacers come pre-installed
- Top and bottom match
- Delivered with screws and PZ bit

*Maximum assembled length is 10 ft (3.048 m)

IN A ROLL

Super-Screw® fasteners are also available in lengths up to 82 ft (25 m). These rolls are delivered in two separate coils (top and bottom sections). To complete your order consider adding:

- Spacers
- Bucket of screws
- PZ bit



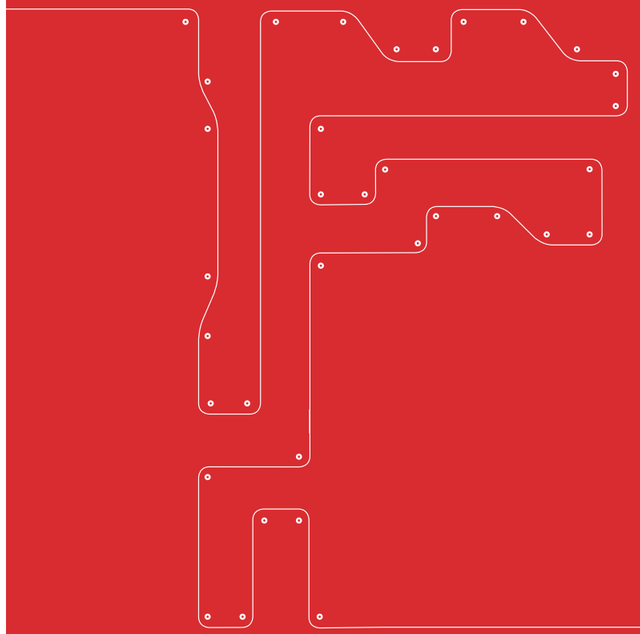
AVAILABLE COMPOUNDS

Super-Screw® fasteners work in a variety of rubber applications because they have the following compound characteristics:

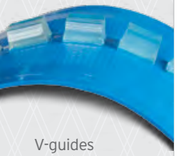
- Abrasion resistant
- Heat resistant
- Low temperatures
- Oil resistant
- Fire retardant and anti-static
- White FDA/USDA cover with stainless steel inserts and screws

FABRICATION

We are a custom fabricator – you tell us what you need and we will create it for you. Our belt technicians fabricate essentially any belt configuratiaon to meet a range of applications, producing some of the industry's most advanced custom-cleated belts.



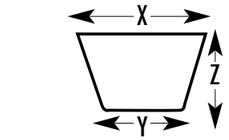
LIGHTWEIGHT & HEAVY-DUTY

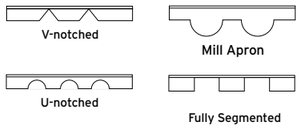


V-guides can also be HF Welded. see p. 60.

V-GUIDES

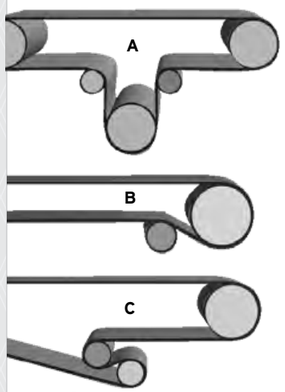
V-guides are used to help belts track properly on conveyors. Used on the bottom of a belt they serve as a guide, but can also be attached to the top of the belt and used as a vanner edge. A broad range of V-guide profiles are available. Single center guides are popular for narrow belts. Wider belts many times use a V-guide on the bottom of each belt edge and are popular for short and reversing conveyors.





V-GUIDE GENERAL SPECS						
TYPE	X		Y		Z	
6 mm		6 mm		4 mm		4 mm
Modified 8 mm		8 mm		6 mm		3.5 mm
8 mm		8 mm		5 mm		4.5 mm
10 mm / O Section	3/8"	10 mm	1/4"	6 mm	1/4"	6 mm
Modified A Section	1/2"	13 mm	3/8"	9 mm	1/4"	6 mm
13 mm / A Section	1/2"	13 mm	5/16"	7 mm	5/16"	7.5 mm
17 mm / B Section	5/8"	17 mm	3/8"	9 mm	3/8"	11 mm
22 mm / C Section	7/8"	22 mm	9/16"	12 mm	1/2"	11 mm
D Section	1-1/4"	32 mm	3/4"	19 mm	3/4"	19 mm
E Section	1-3/8"	35 mm	1"	25.4 mm	3/4"	19 mm
Mill Apron	3-1/8"	79 mm	2-1/4"	57 mm	7/8"	22 mm

MINIMUM PULLEYS								
TYPE	RUBBER SOLID	RUBBER NOTCHED / SIPED	PVC SOLID	PVC NOTCHED	PVC BACKFLEX	URETHANE SOLID	URETHANE NOTCHED	URETHANE BACKFLEX
V-GUIDE (LENGTH OF BELT)								
6 mm			2"	2"	3"	1-1/2"	1-1/4"	2-1/4"
8 mm			2"	2"	3"	2"	1-1/2"	3"
Modified 8 mm						1-1/2"		2-1/4"
O Section	3"	2-1/2"	2"	2"	3"	2-1/2"	2"	3-3/4"
Modified A Section			5"	5"	7-1/2"	3"	2-1/2"	4-1/2"
A Section	3"	2-1/2"	4"	4"	6"	3-1/2"	3"	5-1/4"
B Section	5"	3"	6"	6"	9"	4-1/2"	4"	6-3/4"
C Section	6"	4"	8"	8"	12"	7"	6-1/2"	10-1/2"
D Section	8"	6"						



BACK-FLEXING

Back-flexing: needs minimum rubber roller pulley for bend idlers

A. Center Drive system with a 90° wrap

B. Snubber Roller with a 210° to 230° wrap

C. S Take-up conveyor system (S-Drive)

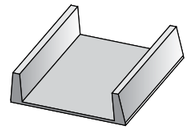
GROOVES

For lightweight belts, all channels or grooves on a grooved pulley should be 1/16" greater on all 3 sides of the guide. (ie. Z+1/16", and X + 1/8")

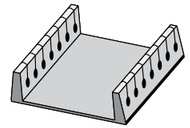
LIGHTWEIGHT & HEAVY-DUTY

VANNER / FLANGED EDGES

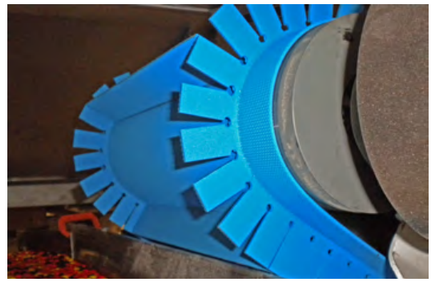
The primary purpose of vanner edges is to prevent material from spilling off the outside edges of the conveyor belt. Flanges are offered in rubber, which are hot vulcanized to the top cover, or in PVC, which are "hot welded" to the top surface.



Solid



Drilled and Siped



MINIMUM PULLEYS					
TYPE	RUBBER SOLID	RUBBER NOTCHED / SIPED	PVC SOLID	PVC DRILLED & SIPED (1" CENTERS)	URETHANE SOLID
VANNER/FLANGES					
O Section (top side of belt)			3"		3-3/4"
A Section (top side of belt)			6"		5-1/4"
B Section (top side of belt)			9"		6-3/4"
C Section (top side of belt)			12"		10-1/2"
1/2" Gumdrop Flange				4"	
3/4" Gumdrop Flange				5"	
1" Gumdrop Flange				8"	
1/2" High (T-cleat with outside foot cut off)	9"	6"	Not recommended	Not recommended	
1" High (T-cleat with outside foot cut off)	10"	6"	Not recommended	8"	
1-1/2" High (T-cleat with outside foot cut off)	16"	8"	Not recommended	12"	
2" High (T-cleat with outside foot cut off)	18"	12"	Not recommended	12"	
2-1/2" High (T-cleat with outside foot cut off)	20"	12"		14"	
3" High (T-cleat with outside foot cut off)	24"	16"		14"	

- Vanner edges are popular in "weigh feeder" applications, where product is weighed or metered as it feeds another system.
- Vanner edges are furnished in solid form, or siped/slit from the top to the bottom of the vanner, where a hole is drilled to help with flexibility and to prevent the slit section from splitting or tearing.
- This process is referred to as drilling and siping, which improves the flexibility of the vanner and allows it to operate on smaller pulley diameters. For rubber compounds, flanges come in a standard hardness of 60 durometer, but are available in a softer 40 durometer compound for wrapping smaller pulleys. COMPOUNDS: SBR/Grade 2, Oil resistant, Heat resistant, Black PVC, White PVC

FLANGED DRILLED AND SIPED

When additional flexibility is needed to flex around a pulley, vanner edges can be drilled and siped.

DESCRIPTION ABBREVIATION KEY

PVC = Poly Vinyl Chloride

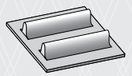
SBR = Styrene Butadiene Rubber

CLEATS

Cleats are used to convey materials up an incline and prevent product rollback, as well as to create separation between the products or materials that are being conveyed. Other names for cleats include flights, lugs, and profiles. We offer a wide variety of cleat styles and patterns to fit every application need.

- T-Cleat for most incline needs
- Scoop cleats for steeper angles
- Thin line cleats for smaller pulley diameters and lower tonnages
- Available in many sizes, styles, and colors

CLEAT MODIFICATION OPTIONS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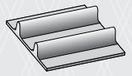
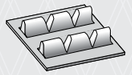

Full-width


Cut-out

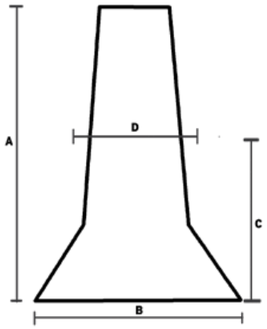

Notched


Tapered

MOR = Moderate Oil Resistance

MSHA = Mine, Safety, and Health Administration

SCORFR = Static Conductive /Oil Resistant/Fire Resistant



GENERAL CLEAT SPECS

TYPE	A	B	C	D
Standard	1"	1-3/8"	3/16"	3/8"
	1-1/2"	1-3/8"	3/16"	3/8"
	2"	1-1/2"	3/16"	3/8"
	2-1/2"	1-1/2"	3/16"	3/8"
	3"	1-5/8"	3/16"	3/8"
	4"	1-3/4"	1/4"	9/16"
	3" Scoop	1-3/4	3/16"	5/16"
HD	1-1/2"	1-1/2"	1/8"	7/16"
Super HD	1-1/2"	1-1/2"	3/8"	9/16"
	2"	1-1/2"	3/8"	9/16"
	3"	1-1/2"	3/8"	9/16"
	4"	1-3/4"	1/4"	9/16"
Thin Line	30 mm	8 mm		3 mm
	40 mm	10 mm		3.5 mm
	50 mm	10 mm		3.5 mm
	60 mm	10 mm		3.5 mm


T-Cleat


Heavy-Duty T-Cleat


Super Heavy-Duty T-Cleat


C-Cleat (Scoop Cleat)


Thin Line Cleat

LIGHTWEIGHT & HEAVY-DUTY CLEAT MINIMUM PULLEYS

When a belt involves multiple components (ie. Base belt, V-guide, sidewall, flange, lacing, etc.) it is important to consider the minimum pulley dimensions of all components when determining an appropriate minimum pulley dimension for the entire conveyor system.

MINIMUM PULLEYS

TYPE	RUBBER	PVC	URETHANE
O Lug	3"	3"	3"
A Lug	3"	3"	3-1/2"
B Lug	3-1/2"	3-1/2"	4-1/2"
C Lug	4"	4"	
1/4" Square Lug (1/4" x 1/4")	3"		
3/8" Square Lug (3/8" x 3/8")	3"		
1/2" Square Lug (1/2" x 1/2")	4"	2-1/2"	
3/4" Square Lug (3/4" x 3/4")	8"	2-1/2"	
1" Square Lug (1" x 1")	10"		
1/2" Standard T-Cleat	3"	3"	
3/4" Standard T-Cleat		2-1/2"	
1" Standard T-Cleat	4"	3"	
1-1/2" Standard T-Cleat	5"	3"	6"
2" Standard T-Cleat	6"	3"	8"
2-1/2" Standard T-Cleat	8"	4"	
3" Standard T-Cleat	10"	4"	
4" Standard T-Cleat	12"	5"	
3/4" Heavy-Duty T-Cleat		3"	
1" Heavy-Duty T-Cleat	5"		
1-1/2" Heavy-Duty T-Cleat	8"	3"	
2" Heavy-Duty T-Cleat	8"		
3" Heavy-Duty T-Cleat	10"		
4" Heavy-Duty T-Cleat	18"		
5" Heavy-Duty T-Cleat	18"		
6" Heavy-Duty T-Cleat	18"		
1-1/2" Super Heavy-Duty T-Cleat		5"	
2" Super Heavy-Duty T-Cleat		6"	
3" Super Heavy-Duty T-Cleat		8"	
4" Super Heavy-Duty T-Cleat		10"	
1" C-Cleat (Scoop Cleat)	4"		
1-1/2" C-Cleat (Scoop Cleat)	5"		
2" C-Cleat (Scoop Cleat)	6"	3"	
2-1/2" C-Cleat (Scoop cleat)	8"		
3" C-Cleat (Scoop Cleat)	8"	4"	
30 mm (1-1/4") Thin Line Cleat			2" / 50 mm
40 mm (1-1/2") Thin Line Cleat			2" / 50 mm
50 mm (2") Thin Line Cleat			2" / 50 mm
60 mm Thin Line Cleat			2" / 50 mm

The above chart is intended to be used as a guideline. Contact your Apache product expert with questions for specifics to your application.

PVC = Poly Vinyl Chloride

When selecting a fabricated belt, the "largest" minimum pulley diameter for each component must be chosen as the smallest pulley diameter to use.

Undersized pulleys can create a number of issues, including:

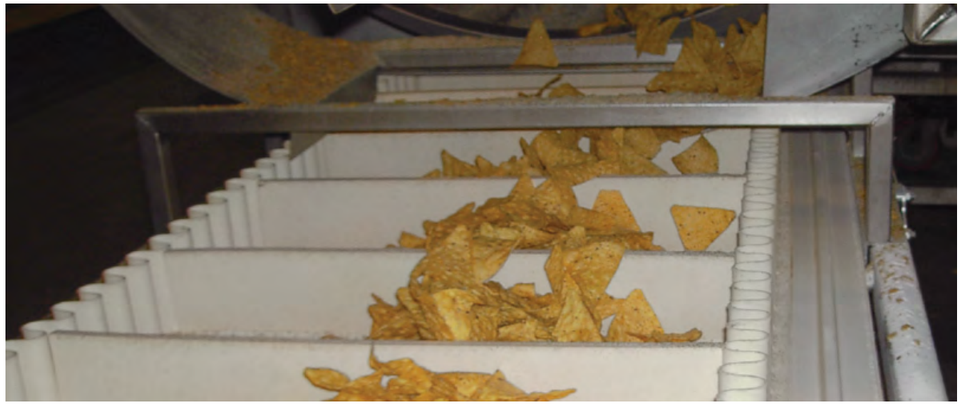
- Shortened belt life
- Ply separation
- Creation of stress cracks in covers
- Causes cleats to lift from belt covers

NOTE:

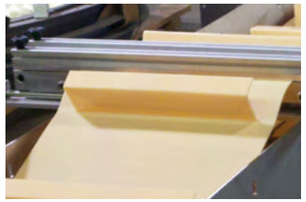
High frequency (HF) welding can be done on any thermoplastic belt.

LIGHTWEIGHT HF WELDED CLEATS

High frequency (HF) welded profiles combine advanced technological features to optimize productivity, and provide quality custom products to meet your customers' unique application needs. The HF welding process creates a strong, consistent bond between two polymers. This strong bond helps ensure food safety while offering protection from bacteria contamination. It's also ideal for small parts, metals, and plastics.

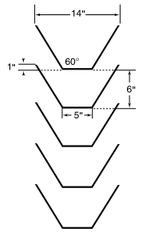


- Stronger bond than traditional welding methods
- Custom profiles available for specialty applications
- Narrow-base widths to wrap smaller pulleys
- Precision placement of cleats
- Longer service life
- Easy cleaning
- Thin line and footless cleats available
- A variety of sizes and thicknesses available

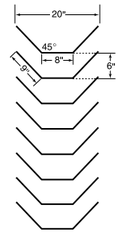


HEAVY-DUTY CUSTOM CHEVRON CLEATS

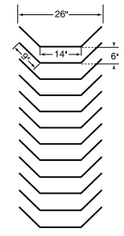
Below are examples of patterns of our most popular designs – we have over 150 patterns available but can customize them to your specific needs. Heights normally range from 1/4" to 1-1/2" to prevent rollback. Normal incline angles range from 15-35 degrees depending on material conveyed and surcharge angle. Chevron cleats are also used on flat idlers as well as metal beds or pan conveyors.



Template #8
1/2" x 1/2" Square U-shaped Cleats

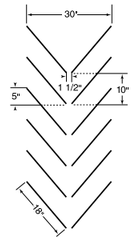


Template #8A
1/2" x 1/2" Square U-shaped Cleats

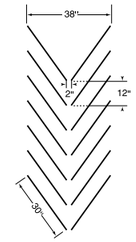


Template #8B
1/2" x 1/2" Square U-shaped Cleats

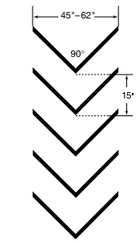
Template #32
3/8" x 3/8" Closed Chevrons to 28" Wide



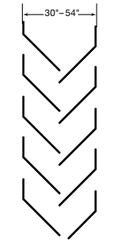
Template #40
1/2" x 1/2" Square Chevron



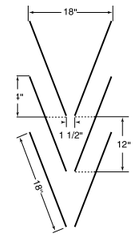
Template #6
1/2" x 1/2" Square Chevron



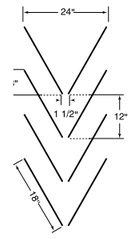
Template #34
1" Height x 2" Width 45" to 62"



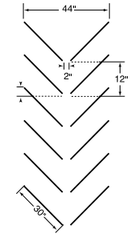
Template #35
1/2" x 1/2" Square 30" to 54"



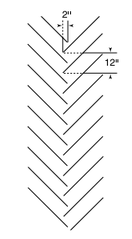
Template #38
1/2" x 1/2" Square Chevron



Template #39
1/2" x 1/2" Square Chevron



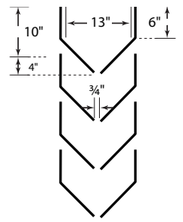
Template #36
1/2" x 1/2" Rect. Cleats for 44" or Wider Belts

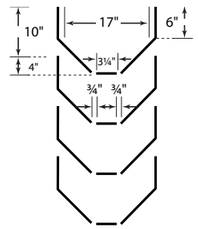


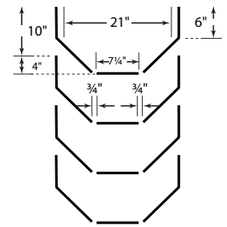
Template #37
1/2" x 1/2" Square Herringbone 12" to 44"

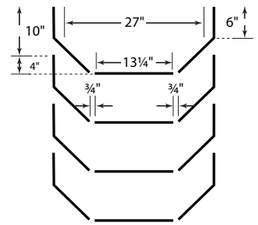
HEAVY-DUTY STEEP CLIMBER™ CLEAT PATTERNS

Apache's Steep Climber hot vulcanized rubber cleats are specifically designed for the larger material and steeper incline angles used in troughing systems. This versatile and durable cleat pattern comes in four (4) widths: 13-27". Cleat spacing is 10" to ensure smooth running on return idlers.









- Contact Apache Customer Service for recommendations on your specific application.

RULE OF THUMB:

Cleat height should be approximately 1/2 to 2/3 of the material size for uniform bulk material (such as sand and grain).

HEAVY-DUTY MOLDED CHEVRONS

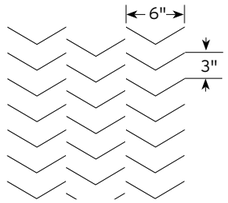
Apache provides a variety of molded chevron cleat designs for demanding applications. The molded chevron profiles are an integral part of the top cover that ensures superior performance and durability.

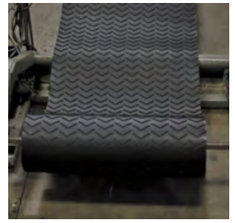
Apache has a variety of Duracleat™ belt specs listed on p. 49-50.

MOR = Moderate Oil Resistance

DURACLEAT™

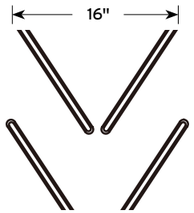
Molded chevron cleated belt is available in six different specifications, with cleats in a uniform pattern running across the width of the belt.





- Cleat dimensions are 1/4" high x 3/8" wide x 6" overall width
- This versatile V-cleat belt is available with rubber bottom covers, as well as bare back constructions for operating on metal beds
- Compounds include standard Grade 2 and MOR for oily conditions
- Duracleat is widely used for conveying grain, woodchips, sand, aggregate, and refuse in recycling facilities

See p. 50, spec #281.



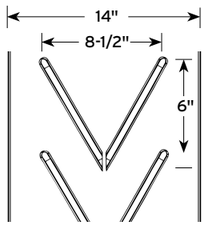
DUROCHEV™

Durochev belts have a 5/8" high molded chevron cleats on 10" centers. These belts are designed for rugged incline applications and popular for conveying rock, sand and gravel. The molded cleats are recessed from belt edges to allow for placement of skirting.

ROCK CHUCKER™

These fully molded chevron cleated belts are designed for "placing" product in confined/hard-to-reach areas. This versatile 2-ply belt is an excellent choice for throwing rock, sand, mulch, dirt, and other bulk materials. Apache's Rock Chucker belts are vulcanized endless to withstand the stress of high speeds and small pulley diameters. Belt width is 14".

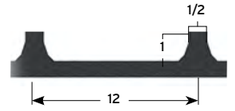
- Popular applications include:
- Basement/foundation jobs
- Residential and commercial construction
- Landscaping maintenance and construction
- Driveway, sidewalk and curb construction
- Trenching for public utilities



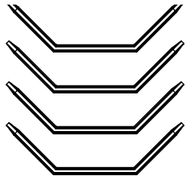
MOLDED ROAD-AWAY™ MILLING BELT

Our integrally molded U-shaped and V-shaped chevron pattern belts offer high capacity and superior performance. Apache's special endless splicing techniques assure excellent strength, flexibility, and performance in these demanding applications.

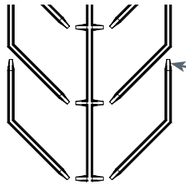
- High-strength rubber compounds
- Rugged wide cleat base and tapered ends eliminate cleat separation from belt
- Will withstand the rigors of high speeds and small pulley diameters
- 1" high cleats for more carrying capacity and better leveling of material on carrying side
- Smoother, quieter return, and better tracking thanks to the center stabilizer bar on the V-cleat construction
- Mechanical fasteners are also available



Cleat Pattern Cross Section

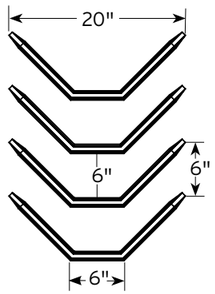


Molded U-cleat Road-Away™ Milling Belt

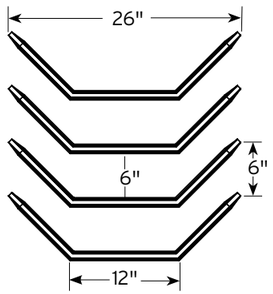


V-cleat Road-Away™ Milling Belt

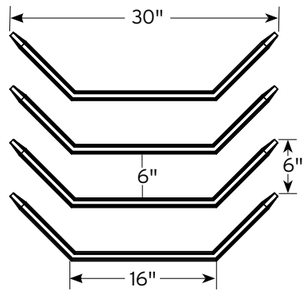
MOLDED U-CLEAT ROAD-AWAY™ MILLING BELT PATTERNS



20" cleat pattern
24" minimum belt width

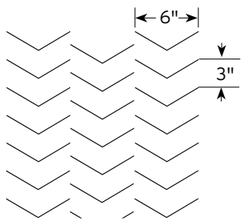


26" cleat pattern
36" minimum belt width

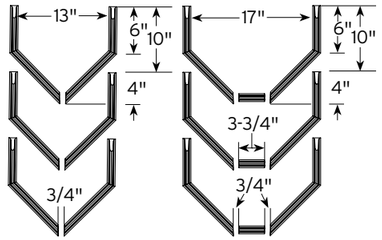


30" cleat pattern
42" minimum belt width

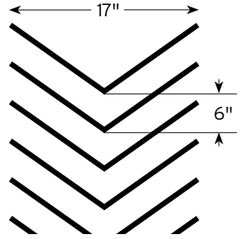
VULCANIZED CUSTOM CLEATED BELT PATTERNS FOR MILLING AND OTHER APPLICATIONS



Duocleat™ Molded Chevron
Cleats: 1/4" high 3/8" wide

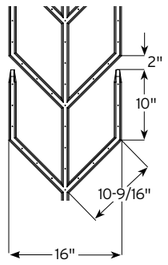


Steep Angle Chevrons
Cleats: 1-1/2" high x 3/4" wide

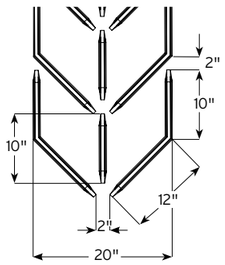


Closed Chevrons
Cleats: 3/8" high x 3/8" wide

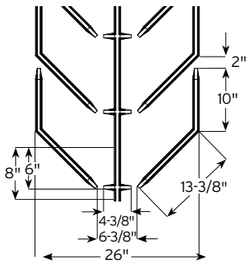
MOLDED V-CLEAT ROAD-AWAY™ MILLING BELT PATTERNS



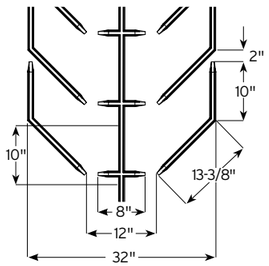
24" maximum belt width
1/2" cleat height



30" minimum belt width
1" cleat height



36" minimum belt width
1" cleat height



42" minimum belt width
1" cleat height

LIGHTWEIGHT & HEAVY-DUTY

LONGITUDINAL SPLICING

The Apache specializes in producing longitudinally spliced belts. Our skilled technicians take great care to ensure uniform thickness across the entire belt width for high performance and strength.

- We use a special angle beveling technique in the top cover that eliminates the possibility of cracks developing in the splice, thus eliminating product contamination in the splice area
- We can splice almost all impression top belting without removing the top covers (such as Durocleat™, diamond top, Z-top, roughtop, pebbletop)
- Apache can do multiple longitudinal splices to make a single belt up to 14-16 feet wide
- Extra wide belts can be made endless prior to shipping, or can have ends prepared for splicing in the field
- V-guides and other profiles can be added as required
- Any carcass type: solid woven polyester, non-woven, needled, standard plies
- Cover surfaces: smooth, rubber, PVC, urethane, fabric friction, light impression

LIGHTWEIGHT

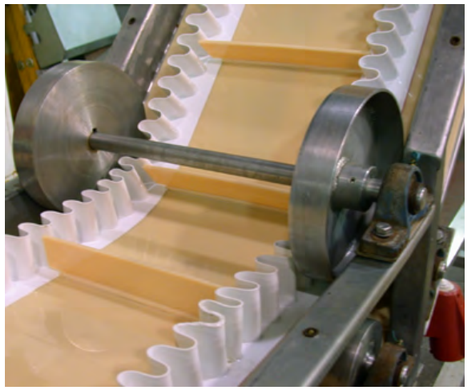
LIGHTWEIGHT DUROWALL SIDEWALLS

Apache offers a wide variety of material and fabrication solutions to tackle your most challenging conveying applications, and our lightweight DUROWALL™ corrugated sidewall belting is your problem solver for light-duty, steep-angle conveying.

- Our lightweight sidewall is offered in polyurethane, thermoplastic, and conventional rubber compounds for belting, cleats, and sidewalls
- These belts are suitable for applications requiring FDA/USDA/3A certifications, oil resistance, and anti-static properties

POPULAR APPLICATIONS INCLUDE:

- Bakeries
- Cereals
- Confection
- Wood products
- Recycling
- Glass
- Dairies
- Warehousing
- Injection molding
- Metal parts
- Plastics
- Light manufacturing



LIGHTWEIGHT CROSS-RIGID BELTING

Belting components are attached to base belts by hot air, high frequency (HF) welding, conventionally, or hot bonded for rubber components. The base belts are engineered to provide the features needed for maximum performance – transverse stiffness prevents bowing at conveyor transition/change-of-direction points, while also remaining flexible in the longitudinal direction to negotiate small pulleys:

- DUROWALL™ lightweight belts are popular for operating in confined areas, particularly when products need to be quickly elevated

LIGHTWEIGHT CROSS-RIGID BELTING

STYLE	TOTAL PLIES	TENSION PLIES	PIW RATING	CROSS-RIGID PLIES	COVERS	PIW WEIGHT	OVERALL GAUGE (OAG)	MINIMUM PULLEY	COLOR	COMPOUND
AXB 150 (Anti-static)	3	3	150	3	1/32 x Bare	0.100	0.156	3"	White	RMV*
AXB 150 (Anti-static)	3	3	150	3	1/32 x Bare	0.100	0.156	3"	Black	RMV*
AXB 160	3	2	160	1	1/16 x Bare MOR	0.140	0.25	4"	Black	Rubber
AXB 200 (Anti-static)	4	4	200	4	1/32 x Bare	0.140	0.22	6"	White	RMV*
AXB 200	4	4	200	4	1/32 x Bare	0.140	0.22	6"	Black	RMV*

* RMV cross-rigid belting has monofilament polyester plies, which act as a tension member, and provide transverse stiffness

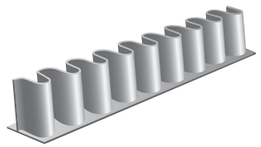
MOR = Moderate Oil Resistance

RMV = Rubber Modified Vinyl

LIGHTWEIGHT DUROWALL™ SIDEWALLS
FABRICATION

LIGHTWEIGHT CORRUGATED SIDEWALLS SIZING

Polyurethane corrugated sidewalls are popular in food-grade applications, and provide consistent dependability. Black rubber sidewalls are used when more durability is needed, or in applications that require a more robust construction.

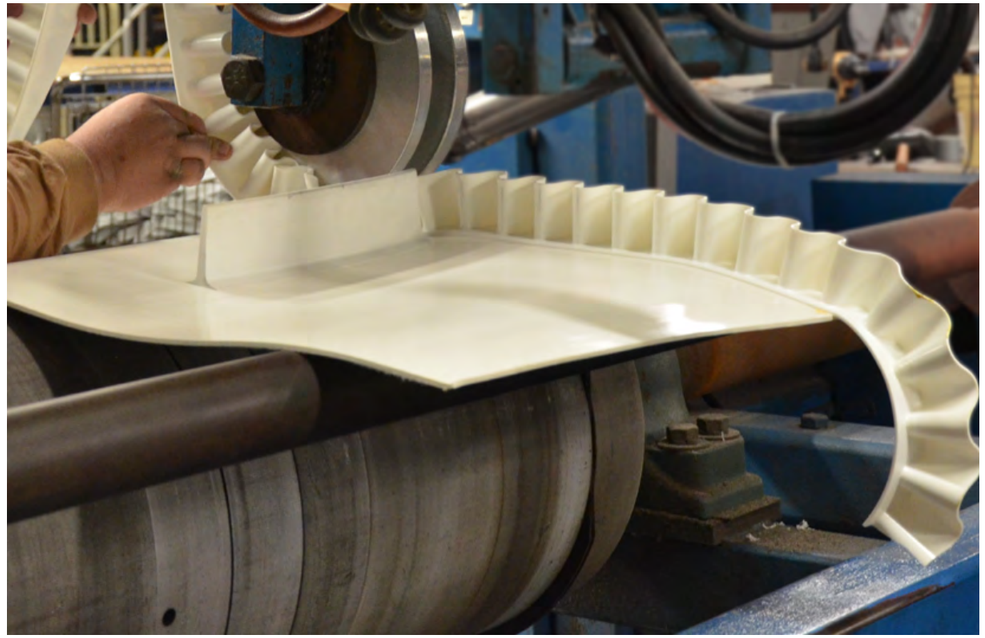


POLYURETHANE SIDEWALL

HEIGHT		MINIMUM PULLEY DIAMETER	
1-3/16"	30 mm	2-3/8"	60 mm
1-1/2"	40 mm	3-1/8"	80 mm
2"	50 mm	3-1/2"	90 mm
2-3/8"	60 mm	4-3/8"	110 mm
3-1/8"	80 mm	5-1/2"	140 mm
3-15/16"	100 mm	6-19/64"	160 mm

LIGHTWEIGHT RUBBER SIDEWALL

HEIGHT		BASE WIDTH		MINIMUM PULLEY DIAMETER	
1"	25 mm	1-1/2"	40 mm	2"	50 mm
1-1/2"	40 mm	1-1/2"	40 mm	3"	75 mm
2"	50 mm	1-1/2"	40 mm	3"	75 mm



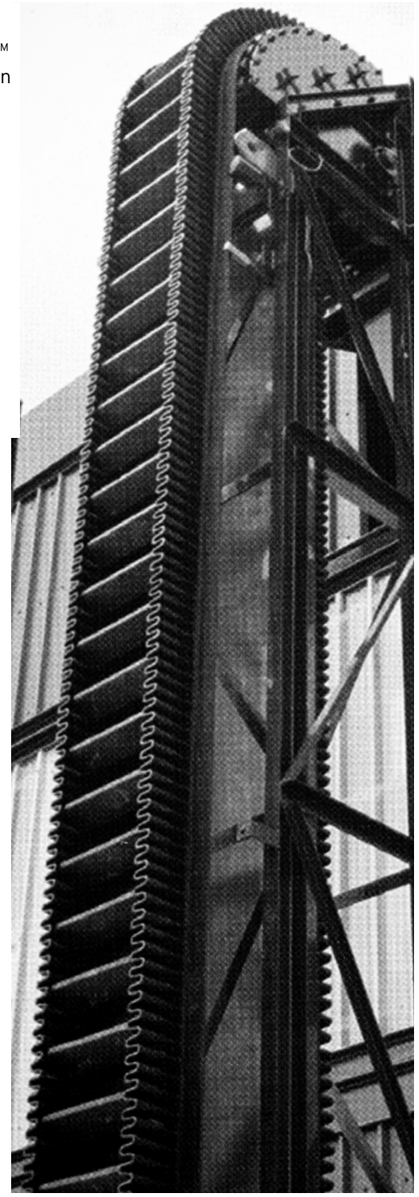
HEAVY-DUTY

HEAVY-DUTY CORRUGATED SIDEWALLS

Apache offers two types of corrugated sidewall belting – DUROWALL™ and PAC-WALL®, and our exclusive sizing program can engineer a sidewall belt for any system.

DUROWALL™ – CONVENTIONAL

- As Apache's flagship brand, our conventional DUROWALL™ sidewall belts have a successful track record. With a proven performance spanning four decades, this product offering comprises thousands of successful installations.
- State-of-the-art hydraulic presses apply consistent and uniform pressure, ensuring high adhesion levels between corrugated sidewall bases and conveyor belt covers
- Quality materials, precise work instructions, and attention to detail are standards at Apache
- Our experienced technicians fabricate every belt to ISO standards
- Automated, precision buffing machines are able to grind sidewalls and belt covers to the exact depths, maximizing needed component bond strengths



PAC-WALL® – HOT VULCANIZED

Apache's hot vulcanized sidewall product offering, PAC-WALL®, can improve belting performance in applications where a higher level of sidewall adhesion is required.

Specific applications that may be better suited to PAC-WALL® include:

- High temperature environments – eliminates the need for hardware attachments to the base belt
- Side loading conveyors where the material initially impacts the sidewall first and requires additional bond strengths
- Belts operating on conveyors with material build up in the horizontal return sections, where higher adhesion levels ensure sidewalls remain bonded to belt covers
- Hard to access conveyors where elevated adhesion values serve as an economical insurance policy when regular maintenance is not practiced

POPULAR APPLICATIONS INCLUDE:

- Mining
- Power
- Waste water treatment
- Recycling
- Cement
- Tunneling
- Dairies
- Steel manufacturing
- Food processing

HEAVY-DUTY CROSS-RIGID BASE BELTING

- Cross-rigid base belting helps deliver material in an efficient, cost-effective manner for applications that may challenge standard belts. That means a more efficient system without worry of belt failure or downtime.
- Our cross-rigid belting is specifically designed to provide lateral stiffness and eliminate belt bowing and cupping at directional change points on the conveyor. It also helps reduce belt sag on the return run.
- Although the belt is rigid in the transverse direction, it remains flexible in the longitudinal direction. This unique design allows the belt to operate on standard pulleys and not interfere with the conveyor structure.

HEAVY-DUTY CROSS-RIGID BELTING

STYLE	TOTAL PLIES	TENSION PLIES	PIW RATING	CROSS-RIGID PLIES	COVERS	PIW WEIGHT	OVERALL GAUGE (OAG)	MINIMUM PULLEY	COLOR	COMPOUND
AXB 150	3	2	150	1	1/16" x Bare MOR	0.140	0.25	4"	Black	Rubber
AXB 220	4	2	220	2	1/8" x 1/16" *	0.295	0.465	14"	Black	Rubber
AXB 225	3	1	225	2	1/8" x Bare MOR	0.160	0.25	8"	Black	Rubber
AXB 330	5	3	330	2	1/8" x 1/16" *	0.325	0.51	16"	Black	Rubber
AXB 440	6	4	440	2	3/16" x 1/16" *	0.360	0.605	24"	Black	Rubber
AXB 550	7	5	550	2	3/16" x 1/16" *	0.400	0.7	30"	Black	Rubber

* Available rubber compounds: Black Standard, Black-Oil-Resistant, Black Static-Conductive, Black (MSHA), and Black Heat-Resistant (400°F)

Conventional Belting
Carrying Side

Cross-Rigid Belting
Carrying Side

Conventional Belting
Return

Cross-Rigid Belting
Return

MOR = Moderate Oil Resistance

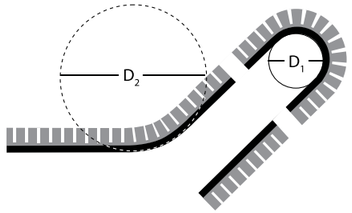
MSHA = Mine, Safety and Health Administration

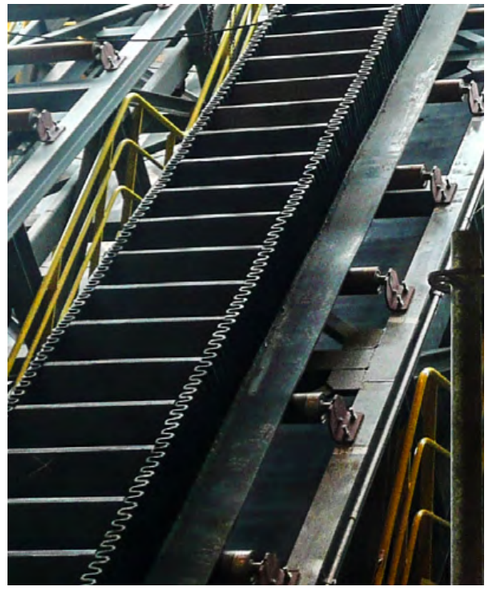
HEAVY-DUTY

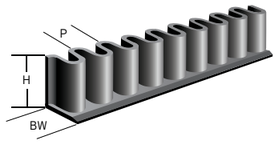
HEAVY-DUTY CORRUGATED SIDEWALL SIZING

Apache's DUROWALL™ and PAC-WALL® corrugated sidewalls (available in heights from 1" to 12") are manufactured in a variety of compounds to best suit your application needs.

All of our corrugated sidewalls have high tensile strength properties for added flexibility and toughness in order to withstand cutting, tearing, and abrasion. We also offer fabric reinforced sidewalls for products greater than 6" tall to provide additional strength and tear resistance.

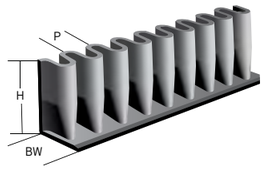






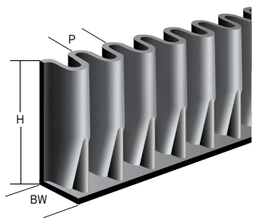
APACHE CORRUGATED SIDEWALLS
ADD 25% TO MINIMUM PULLEY DIAMETER FOR OTHER THAN BLACK STANDARD

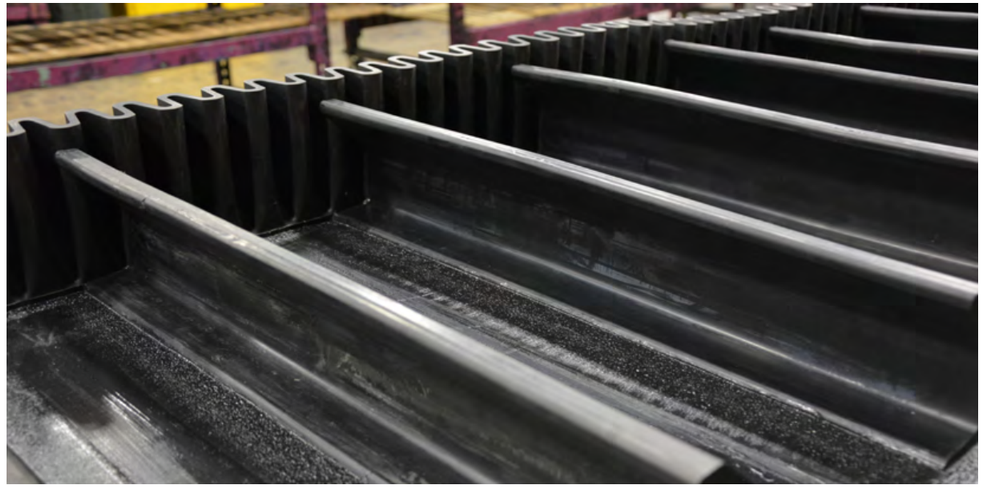
HEIGHT (H)	BASE WIDTH (BW)	PITCH (P)	WEIGHT (PER FOOT/ LBS.)	CLEAT HEIGHT (RECOMMENDED)	D1 (MIN. PULLEY DIA.)	D2 (MIN. DEFLECTION DIA.)
1"	1-1/2"	1"	.30	-	2"	8"
1-1/2"	1-1/2"	1"	45	1"	3"	8"
2"	1-1/2"	1"	.60	1-1/2"	3"	8"
2"	2"	1-5/8"	.80	1-1/2"	6"	10"
2-1/2"	2"	1-5/8"	.95	2"	6"	12"
3"	2"	1-5/8"	1.10	2-1/2"	8"	16"
4"	2"	1-5/8"	1.40	3-1/2"	10"	18"
5"	2"	1-5/8"	1.75	4-1/2"	12"	20"
6"	2"	1-5/8"	2.20	5-1/2"	14"	24"



APACHE FABRIC REINFORCED CORRUGATED SIDEWALLS
ADD 25% TO MINIMUM PULLEY DIAMETER FOR OTHER THAN BLACK STANDARD

HEIGHT (H)	BASE WIDTH (BW)	PITCH (P)	WEIGHT (PER FOOT/ LBS.)	CLEAT HEIGHT (RECOMMENDED)	D1 (MIN. PULLEY DIA.)	D2 (MIN. DEFLECTION DIA.)
6"	3"	2-13/32"	3.0	5-1/2"	14"	24"
8"	3"	2-13/32"	4.3	7"	16"	32"
10"	3"	2-13/32"	5.5	9"	20"	40"
12"	3"	2-13/32"	6.8	11"	24"	48"

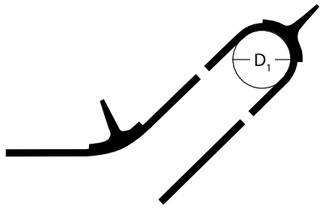




HEAVY-DUTY SIDEWALL CLEAT OPTIONS

We designed our DUROWALL™ and PAC-WALL® belting with a variety of cleating styles and compounds to allow for maximum operational efficiency based on the required capacity and angle of inclination.

Many of the larger cleats we provide are fabric reinforced to withstand punishment at loading points (two-piece cleat compounds include rubber, polyurethane, high-temp polyurethane, and UHMW). Taller cleats are normally bolted to the sidewalls to reinforce "pocket" strength.



UHMW = Ultra High Molecular Weight

T-CLEAT ADD 25% TO MINIMUM PULLEY DIAMETERS FOR SPECIAL COMPOUNDS

Cleat Height	1"	1.5"	2"	2.5"	3"	3.5"	4"	5"	6"
Min. Pulley Dia. (D1)	4"	5"	6"	8"	10"	14"	14"	18"	18"

C-CLEAT (SCOOP CLEAT) ADD 25% TO MINIMUM PULLEY DIAMETERS FOR SPECIAL COMPOUNDS

Cleat Height	2"	2.5"	3"	3.5"	4"	4.5"			
Min. Pulley Dia. (D1)	6"	8"	8"	10"	14"	14"			

S-CLEAT ADD 25% TO MINIMUM PULLEY DIAMETERS FOR SPECIAL COMPOUNDS

Cleat Height	3"	3.5"	4"	4.5"	5"	5.5"	7"	9"	
Min. Pulley Dia. (D1)	8"	11"	12"	12"	16"	16"	16"	20"	

BOLTED CLEAT (S OR T) STYLE PADDLE ADD 25% TO MINIMUM PULLEY DIAMETERS FOR SPECIAL COMPOUNDS

Cleat Height	4.5"	5"	5.5"	6"	7"	9"			
Min. Pulley Dia. (D1)	14"	14"	14"	14"	14"	14"			

LIGHTWEIGHT

HTD = High Torque Drive

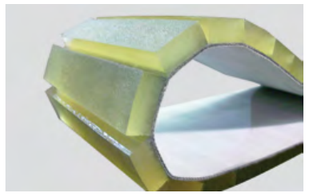
LIGHTWEIGHT BELTING & CUSTOM FABRICATIONS

Apache is continually adding new products and expanding our capabilities to help you create the products you need. Our fabrications demonstrate our capabilities to utilize new technology, modern equipment, and cutting-edge techniques. The outstanding quality of this workmanship relates directly to the solid experience and training of our belt fabricators. We offer all standard fabrications plus several of our own specialties.

CUSTOM COVERS & SPECIALTY BELTING

SPECIALTY AND COVERED PRODUCTS

We offer custom coverings for flat belt, V-belts, and timing belts including urethane, steel/Kevlar® reinforced, neoprene, rubber, and HTD. Products like these are highly effective in a variety of applications from vacuum systems, to orienting and pulling product down the line.



MATERIALS AND STYLES:

- Blue Lycra Covered Sponge
- Gum
- Neoprene Sponge (Closed Cell)
- Nitrile (White or Black)
- Red Natural Rubber
- Roughtop (Gum or Nitrile)
- Scrubber Matting
- Urethane Foam
- Urethane Foam Adhesive Top
- Urethane Sheeting

* Additional coverings available upon request.

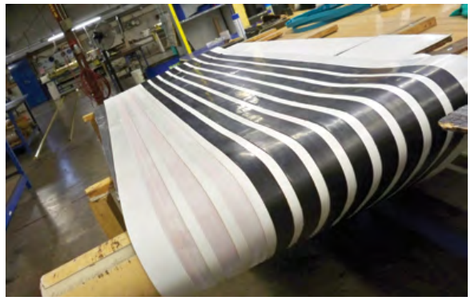
URETHANE FOAM COVERING

Our green, urethane foam is created to coat and back flat belts, timing belts and V-profiles. Features include:

- Belt surface with high grip properties
- Excellent abrasion resistance
- Soft, yet durable coating
- Non-marking to the items being conveyed
- Because the coating is made of urethane, we can heat-weld this product to the base belt and help you sidestep the higher production costs of chemical bonding.


CONDUCTIVE STRIP BELTS

Conductive strip belts enable the unique powder paint booth process.




SPLICED TIMING BELTS

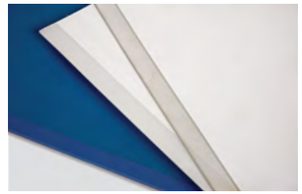
We splice custom length H pitch neoprene timing belts.

H pitch refers to the space between the teeth of the timing belt.

EDGE-CAPPING

Edge capping is applied to exposed conveyor belt edges to avoid contamination of products, particularly in food applications, as well as the equipment with stringing from the plies/edge fray. Our high frequency (HF) edge capping has a smaller edge when applied, making it less susceptible to pitting. When applied, this provides another level of hygiene by protecting the plies of our fabric belts from becoming saturated with fluids creating contamination with other harmful bacteria.

More about HF (high frequency) Welding on p. 62.

LIGHTWEIGHT & HEAVY-DUTY

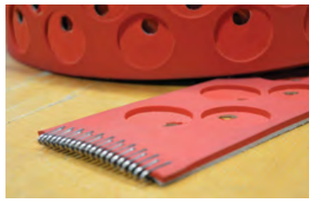
Reference p. 76 and 46-49 for elevator buckets and specs.

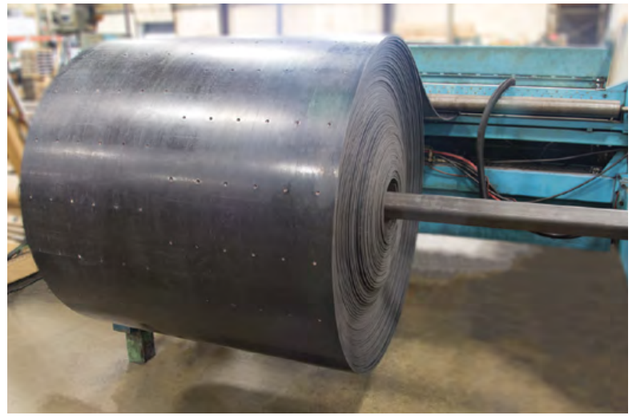
Hole Punch Pattern Worksheet p. 99.

HOLE PUNCHING & PERFORATIONS

Apache can supply a wide variety of hole-punching and perforation patterns. Whether you have a lightweight vacuum application or a heavy-duty application such as filtration, dewatering or elevator service, we have the experience and technology to supply the hole configuration you require.

- Our elevator belting production process is part of our ISO certification, ensuring that the proper steps and procedures are consistently followed to provide the needed hole sizes, patterns and spacing for your order.
- We have a wide range of dies to provide precise, clean and tight fitting holes for bucket elevators.





ACCESSORIES

In addition to our industry-leading belts, Apache carries many of the products and materials you require to keep your operation running. Skirtboard, pulleys, elevator buckets, and more – whatever your accessory needs, make Apache your first call.

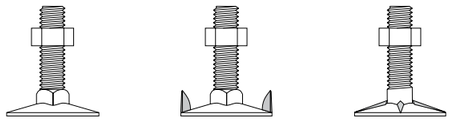
LIGHTWEIGHT & HEAVY-DUTY

ELEVATOR BUCKETS & BOLTS

Apache offers a variety of elevator buckets to meet the needs of your application, and an assortment of bolts.

ELEVATOR BOLTS

- Steel, zinc-plated, and stainless steel available
- Bolts include nuts without washers
- Also available are fanged and Norway bolts styles, nylon inserted lock-nuts, and locking or flat washers



Flat Head | Fanged | Norway

STEEL FLAT HEAD BOLTS		
SIZE	QTY./BOX	LBS./BOX
1/4" x 3/4"	100	3.1
1/4" x 1"	100	3.2
1/4" x 1-1/4"	100	3.6
1/4" x 1-1/2"	100	3.9
5/16" x 1"	100	5.3
5/16" x 1-1/4"	100	5.8
5/16" x 1-1/2"	100	6.1
5/16" x 2"	100	7.3
3/8" x 1"	50	3.8
3/8" x 1-1/4"	50	4.0
3/8" x 1-1/2"	50	4.4
3/8" x 2"	50	5.0

ELEVATOR BUCKETS

Buckets are available in metal, nylon, urethane, and polyethylene to handle a variety of materials. The bolt holes can be punched in any required pattern.

CBS = Cover Both Sides

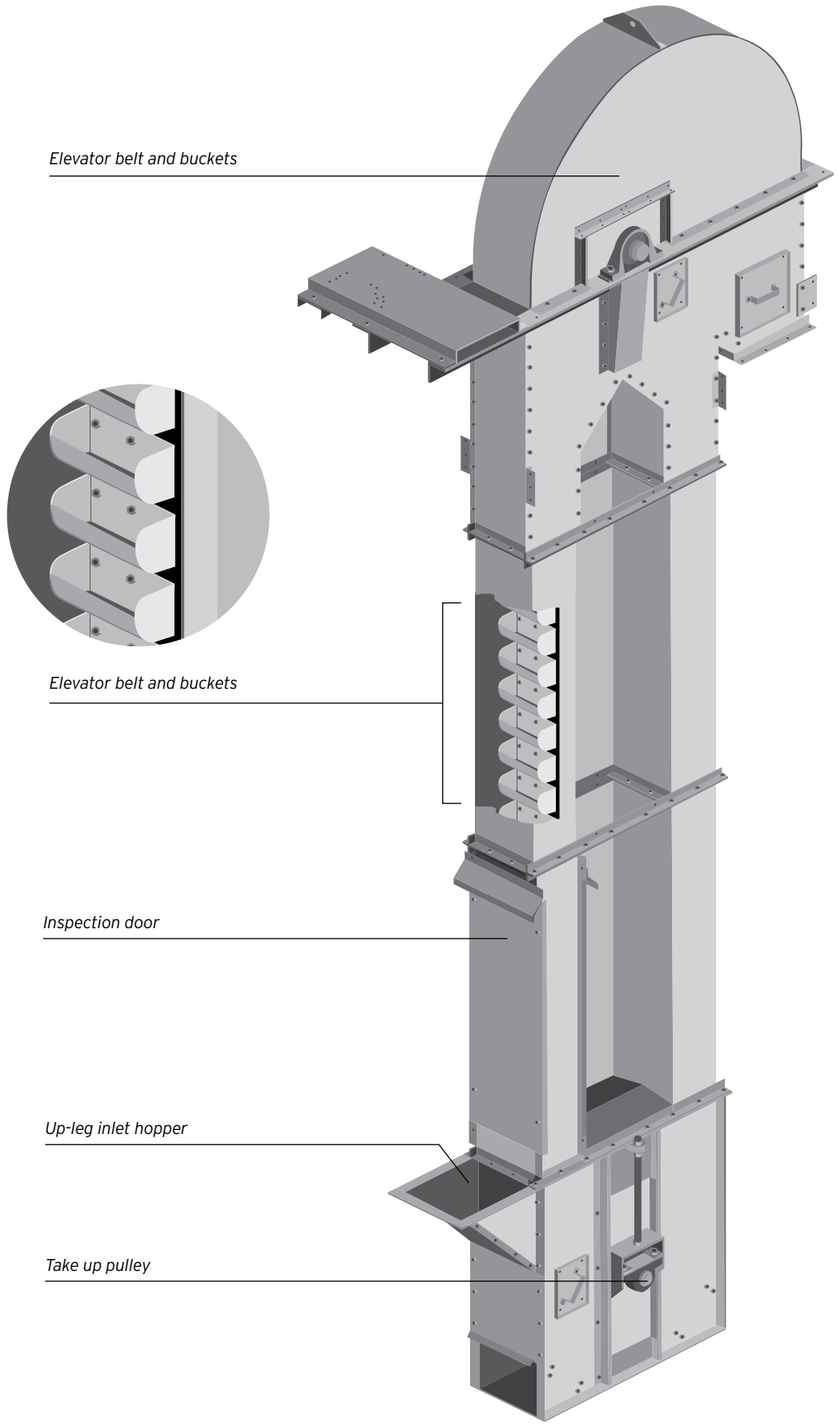
PVC = Poly Vinyl Chloride

PVGE = Poly Vinyl Grain Elevator

ORSC= Oil Resistant/ Static Conductive

SCORFR = Static Conductive /Oil Resistant/ Fire Resistant

ELEVATOR BUCKET PROJECTIONS				
PVC ELEVATOR BELT				
SPEC#	PART#	BELT DESCRIPTION	MAX. BUCKET PROJECTION	BELT COLOR
66A	20038199	PVC 150# Black CBS	4"	Black
67B	20038509	2-ply 220# 1/16 x 1/16 PVGE	6"	White
69A	20038206	PVC 200# Black ORSC CBS	6"	Black
69B	20038500	PVC 250# Black ORSC CBS	6"	Black
72	20039000	PVC 350# Black ORSC CBS	7"	Black
73	20040009	PVC 450# Black ORSC CBS	8"	Black
259	20040015	PVC 600# Black ORSC CBS	9"	Black
RUBBER ELEVATOR BELT				
SPEC#	PART#	BELT DESCRIPTION	MAX. BUCKET PROJECTION	BELT COLOR
23A	20021628	2-ply 220# 1/16 x 1/16 SCORFR Grain	6"	Black
25A	20021630	3-ply 330# 1/16 x 1/16 SCORFR Grain	8"	Black
27A	20021635	3-ply 600# 1/16 x 1/16 SCORFR Grain	10"	Black
27B	20021640	4-ply 440# 1/16 x 1/16 SCORFR Grain	9"	Black
43A	20026790	3-ply 330# 1/4 x 1/16 700° Super-Heat	8"	Black
177	20026766	3-ply 33-# 1/4 x 1/16 450° Maxi-Heat	8"	Black
284	20026819	4-ply 440# 1/4 x 3/32 400° Maxi-Heat	9"	Black

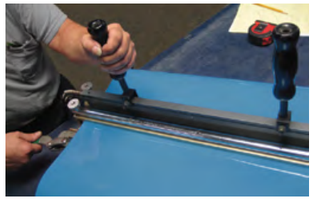


Elevator Belt Punching Worksheet p. 102.

LIGHTWEIGHT

VOLTA SPLICING TOOLS

A variety of tools are available for fabrication of Volta belting, including the following splicing tools for low-cost and easy installations.



FLAT BUTT WELDING SYSTEM

The FBW splicing tool is lightweight and easy to use, it requires only a standard electrical connection. This tool offers quick set-up and shortens downtime for the customer. The flat butt welding system is available to splice belts as narrow as 12" or up to 83" wide. A 230V press must be used for the maximum width of 83", and a 110V press offers a maximum width of 51". All profiles and flat belting are compatible for splicing with this equipment.

FT ELECTRODE WELDING SYSTEM

The FT electrode welding system is lightweight and easy to use. This system uses a router to cut the bevel on the belt edges and to trim the weld. A hot air gun and Volta electrode are used for this weld option. Different electrode sizes are selected based on the thickness of belt being spliced.

Reference p. 21-28 for Volta specs.

LIGHTWEIGHT

VOLTA V & ROUND (VAR) PROFILES

Apache offers a wide range of Volta extruded profiles in both V and Round cross sections. This thermoplastic belting option comes in a variety of colors and durometers. They also include the ability to be reinforced, or to come with a molded grip top cover.

CUSTOM COVER

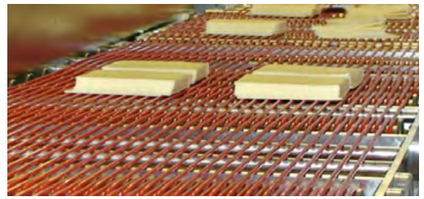
Additionally, Apache can custom cover the Vs with an assortment of compounds, including:

- Gum rubber
- Linatex®
- Nitrile
- Sponge

APPLICATIONS

Profiles are sold in 100' reels or made endless to your specification. Many V and Round products are USDA/FDA/3A Dairy and EU certified for food contact. These versatile belts are found in many applications including:

- Food production
- Can cable/canning lines
- Packaging
- Wood processing
- Ceramics
- Powering live rollers
- Shingle production



Reference p. 21-28 for Volta specs.

DESCRIPTION ABBREVIATION KEY

EU = European Union

FDA = Food and Drug Administration

USDA = United States Department of Agriculture

LIGHTWEIGHT & HEAVY-DUTY

PULLEYS & IDLERS

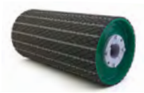
Apache conveyor system accessories include a variety of pulleys, idlers, and components. Whether it is a belt to convey or elevate, Apache has the experience you can depend on to help keep your maintenance costs down by selecting the right components and belting for your application.

DRUM PULLEY

High-strength steel-faced pulleys: available with rubber lagging for improved traction.

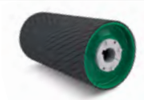
WING PULLEY

Self-cleaning angled gussets remove excessive build-up, improving the efficiency of your conveyor system. Wing pulleys increase traction and reduce damage and abrasion on both the belt and the pulleys. Not recommended for cleated belts.



REPLACEABLE LAGGING

Vulcanized rubber bonded to metal backing that can be fitted or welded to the pulley face.



VULCANIZED RUBBER LAGGING

60 durometer SBR, available in oil resistant and MSHA. Wide variety of thicknesses and grooving patterns available, such as herringbone, chevron, and diamond.

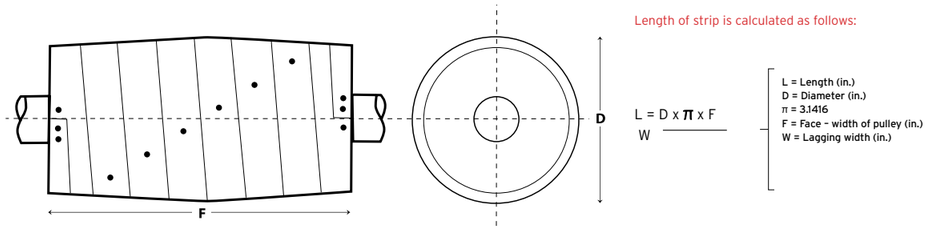
VOLTA POSTIVE DRIVE SPROCKETS & PULLEYS

Standard drive components for the SuperDrive™ and DualDrive series of belts, including drive, tail, and support pulleys, and all the locking collars. Custom made pulleys also available.

Reference p. 25-26 for Volta positive drive belts.

PULLEY LAGGING

For this method of pulley lagging, a long strip of roughtop is spiralled around the pulley from end-to-end and centered for good adhesion. The ends may be notched per sketch for neat application. Bolt or screw ends intermittently throughout.



MSHA = Mine, Safety, and Health Administration

SBR = Styrene Butadiene Rubber

LIGHTWEIGHT & HEAVY-DUTY

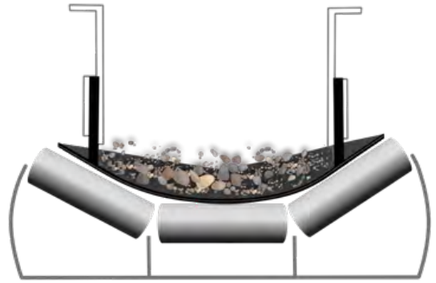
SKIRTBOARD RUBBER

Apache stocks a wide variety of materials to protect and improve conveyor system and equipment performance. SBR and Natural Rubber Skirting are used to minimize material spillage at loading and transfer points on conveyors.

SBR SKIRTING

Gauges/thicknesses begin at 1/8" and run through 1-1/2" for SBR skirting. Select sizes are available with at 45° beveled edge. Standard rubber skirting has a 60 durometer hardness and is available in 50' rolls for immediate shipment.

Not all available materials and applications are listed. For additional information please contact our inside sales department at 800.553.5455.



Old conveyor belt should never be used as skirtboard. Fabric in the belting can absorb fine particles and lead to severe degrading of the belt top cover.

SBR = Styrene Butadiene Rubber

PRE-CUT SBR SKIRTBOARD RUBBER

- Durometer: 60+/-5
- Sold in 50' rolls; widths up to 48"
- Other thickness & widths available

STANDARD SBR SKIRTBOARD WIDTHS (INCHES) FROM INVENTORY							
1/4" THICK							
Width	4"	5"	6"	8"	10"	12"	48"
Part#	60002200	60002210	60002214	60002209	60002211	60002212	60000018
Roll Weight	29#	36#	44#	58#	81#	97#	360#
3/8" THICK							
Width	4"	5"	6"	8"	10"	12"	48"
Part#	60002220	60002230	60002240	60002249	60002250	60002251	60000506
Roll Weight	43#	54#	65#	86#	108#	129#	540#
1/2" THICK							
Width	4"	5"	6"	8"	10"	12"	48"
Part#	60002255	60002260	60002270	60002277	60002280	60002400	60001006
Roll Weight	57#	71#	85#	114#	142#	170#	720#
3/4" THICK							
Width	4"	5"	6"	8"	10"	12"	48"
Part#	60002416	60002424	60002426	60002428	60002430	60002429	60001502
Roll Weight	94#	118#	130#	174#	216#	260#	1100#
1" THICK							
Width	4"	5"	6"	8"	10"	12"	48"
Part#	60002434	Custom Cut	60002440	60002444	60002445	60002467	60002002
Roll Weight	119#	143#	171#	228#	285#	342#	1460#

UHMW-PE = Ultra High Molecular Weight Polyethylene

LINING MATERIAL

Apache carries a variety of materials for hopper & bin lining as well as general metal surface protection in extreme wear applications.

Rubber - SBR & Natural RBR formulations with and without bonding layer for faster, easier installation

Polyurethane - Available in general purpose, ceramic chip inserted (applications with sharp particles or very high volumes of abrasive material) and expanded metal (makes sheet rigid and flat, creates a hard point for bolt heads or cotton fabric backing (allows adhering to other substrates with commercial adhesives)

Polyethylene: Low to ultra-high density materials are available in natural/virgin and reprocessed formulations

HEAVY-DUTY

PROTECTION & REPAIR SYSTEMS

Wear and abrasion resistance are key to protecting equipment and minimizing downtime. PAC-WEAR® protection systems are specially formulated to provide superior protection from impact and cutting forces. Select sizes are available with a 45° beveled edge.

ORANGE PAC-OR45 SKIRTING

PAC-OR45 is a premium-quality, cost effective, containment solution used in extreme applications to reduce material spills at transfer points. Featuring outstanding wear resistance and service life, PAC-OR45 skirting is softer than your conveyor belt, ensuring an effective seal without the risk of damaging the covers of your belt.

- 1/8" to 1" thick skirting
- Stocked in pre-cut 50' rolls
- Durometer: 45+/-5
- Sold in bulk 60" x 50' rolls or cut to your specific requirements
- Red PAC-RD45 skirting is available in select sizes

PRE-CUT OR45 SKIRTBOARD RUBBER							
1/4" THICK							
width	4"	5"	6"	8"	10"	12"	60"
part #	60003034	60003036	60003038	60003040	60003042	60003044	60003048
roll weight	24#	30#	36.5#	48.5#	60.5#	72.5#	367.5#
3/8" THICK							
width	4"	5"	6"	8"	10"	12"	60"
part #	60003054	60003056	60003058	60003060	60003062	60003064	60003066
roll weight	36#	45#	54.5#	70.5#	90.5#	108.5#	532.5#
1/2" THICK							
width	4"	5"	6"	8"	10"	12"	60"
part #	60003074	60003076	60003078	60003080	60003082	60003084	60003088
roll weight	48.5#	60.7#	72.5#	96.5#	121#	145#	735#
3/4" THICK							
width	4"	5"	6"	8"	10"	12"	60"
part #	60003094	60003096	60003098	60003100	60003102	60003104	60003108
roll weight	72.5#	90.7#	109#	145#	181.5#	217.5#	1102.5#
1" THICK							
width	4"	5"	6"	8"	10"	12"	60"
part #	60003114	60003116	60003118	60003120	60003122	60003124	60003128
roll weight	96.5#	120.7#	145#	193.5#	242#	290#	1470#

PAC-BL45 WITH BONDING LAYER

PAC-BL45 Orange lining is a highly abrasion resistant, premium quality, natural rubber used as a protective shield in heavy-duty applications. BL45 features a special neoprene bonding layer which makes installation easier in hoppers and as a lining. BL45 provides excellent adhesion when used with two part cold bonding adhesive.

- 1/8" to 1" thick
- Sold in bulK 60" x 50' rolls or cut to your specific requirements
- Bonding layer eliminates need to buff the rubber prior to bonding

TYPICAL APPLICATIONS

- Slurry handling
- Aggregate material washing & classifying
- Under screen pans
- Tank/chute/ hopper & bin linings
- Pipe elbows
- Vibrating feeders
- Launders
- Cyclones & floatation cells

SCRAPERS

PAC-WEAR™ MULTI-DURO SCRAPERS

Our BI-DURO and TRI-DURO belt scrapers are made from high quality, natural, and synthetic rubber vulcanized together to form a tight seal when used in wet and sticky scraper/squeegee applications. This material can also be used in lining, impact chute, vibration dampening, and many more other applications.

BLACK-ORANGE BI-DUROMETER RUBBER SKIRTING / BELT WIPER-SCRAPER

High quality 1635 PSI black 60A bonded to 2100 PSI orange 45A rubber. Available in 1/2", 3/4", and 1" gauge. (Custom cut widths/cs, and bulk rolls up to 60" x 50' are available).

BLACK-ORANGE-BLACK HEAVY DUTY TRI-DUROMETER RUBBER BELT WIPER-SCRAPER

High quality 2100 PSI orange and 45A rubber sandwiched between 2 layers of 170 PSI black 60A rubber. Available in 3/4" and 1" gauge x 6" and 8" pre-slit widths. (Custom cut widths/pcs, and bulk rolls up to 60" x 50' are available).

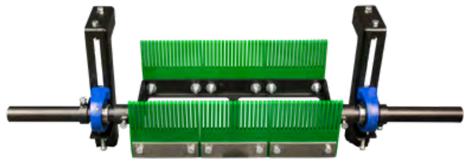
BLACK-GREY-BLACK EXTREME DUTY TRI-DUROMETER RUBBER BELT WIPER-SCRAPER

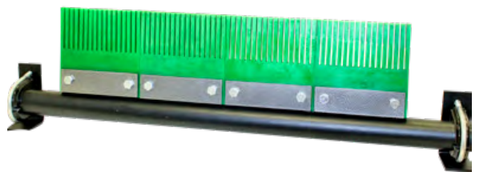
High quality 2100 PSI grey 60A rubber sandwiched between 2 layers of 1700 PSI black 85A rubber. Available in 1" gauge x 6" and 8" pre-slit widths. (Custom cut widths/pcs, and bulk rolls up to 60" x 50' are availabel).

Single row scraper ideal for restricted space installation.

INFINITY BELT SCRAPERS

With Apache's Infinity Finger Scraper, cleated, non-cleated, and textured/profiled conveyor belts are cleaned more effectively. Scrapers are designed to replace conventional bristle brush cleaners that are prone to material build up throughout the bristle.

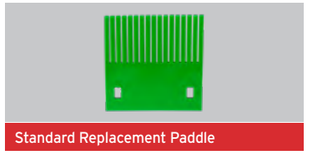


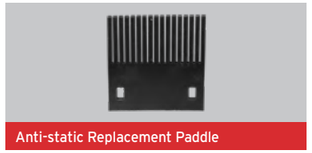


Single or dual rows of high durometer, urethane fingers effectively clean the surface of the cleated/textured belt with their patented “flicking” motion – without the use of brush bristles that break off and eventually cause clogs, losing their effectiveness. The Infinity Finger Scraper installs easily, and is designed for high performance in any weather conditions.

- Durable aluminum body is lightweight for easy installation and efficient shipping
- Easily adaptable to field working conditions and can be located anywhere between center shaft to center shaft of your conveyor
- Highly visible wear components make it easy for maintenance and operational staff to safely inspect the system
- Paddle style fingers are composed of a highly wear resistant urethane that requires only minimal adjustments once unit is installed

INFINITY FINGER SCRAPER	
DESCRIPTION	**PART #**
DUAL ROW SCRAPER KITS	
Infinity Finger Scraper Kit - 24"	27072000
Infinity Finger Scraper Kit - 32"	27072001
Infinity Finger Scraper Kit - 40"	27072002
Infinity Finger Scraper Kit - 48"	27072003
Infinity Finger Scraper Kit - 56"	27072004
Infinity Finger Scraper Kit - 64"	27072005
SINGLE ROW SCRAPER KITS	
Infinity Finger Scraper Kit - 16"	27072040
Infinity Finger Scraper Kit - 24"	27072041
Infinity Finger Scraper Kit - 32"	27072042
Infinity Finger Scraper Kit - 40"	27072043
Infinity Finger Scraper Kit - 48"	27072044
Infinity Finger Scraper Kit - 56"	27072045
Infinity Finger Scraper Kit - 64"	27072046
Infinity Finger Scraper Kit - 72"	27072047
REPLACEMENT PARTS	
Urethane Finger Replacement Paddle - Standard	27072006
Urethane Finger Replacement Paddle - Anti-Static	27072007
Main Body Frame - 24"	27072008
Main Body Frame - 32"	27072009
Main Body Frame - 40"	27072010
Main Body Frame - 48"	27072011
Main Body Frame - 56"	27072012
Main Body Frame - 64"	27072013
Urethane Finger Mounting Plate	27072014
Mounting Tube - 16"	27072015
Replacement Bearing	27072016
Main Mounting Leg	27072017
Adjustable L Bracket	27072018
Locking Collar	27072019
Nuts & Bolts Assembly Pack - 24"	27072020
Nuts & Bolts Assembly Pack - 32"	27072021
Nuts & Bolts Assembly Pack - 40"	27072022
Nuts & Bolts Assembly Pack - 48"	27072023
Nuts & Bolts Assembly Pack - 56"	27072024
Nuts & Bolts Assembly Pack - 64"	27072025


Standard Replacement Paddle


Anti-static Replacement Paddle


Main Body Frame


Mounting Plate


Mounting Tube


Replacement Bearing


Main Mounting Leg


Adjustable Bracket


Locking Collar


Nuts & Bolts Pack

BELT REPAIR KITS

BELT BAND-AID (PICTURE TO THE RIGHT)
Reduce downtime with our fast setting, polyurethane conveyor belt repair adhesive. Repair tears and worn spots with an easy to control gun and automatic one-step mixing/dispensing tip. This product is abrasion resistant, and remains flexible in low temperatures. Packaged as 1:1 ratio liquids in duo-pack cartridges.

BELT BEND-AID AVAILABLE IN KIT OR INDIVIDUAL COMPONENTS:

- 1 Reusable dispenser gun
- 1 Dual cartridge adhesive tube
- 3 Disposable mixer tips

LIGHTWEIGHT

LIVE ROLLER CONVEYORS

In today's distribution centers, there are a wide variety of ways to convey your customers' product. Apache offers the following solutions for live roller-driven conveyors:

FRICTION PAD

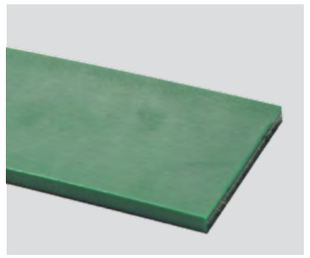
Our friction pad is made with top quality resins, and has conical-shaped perforations – ensuring stronger pin retention and better performance. With high durability and longer life, the friction pad offers a great option for original equipment replacement. It is available in 500' lengths as a replacement only.

- Part#: 60082275

POWER GRAVITY ROLLER BELT

The power gravity roller (PGR) belt, with its embossed top and brushed bottom, is designed for quiet operation and a long life. Its adhesive-free joining process increases productivity and lowers maintenance costs. The PGR belt works with your customers' existing tooling, and splices into the OEM belt, which provides even more cost savings. It is available in 656' coils.

- Part#: 20101190
- 45 mm wide
- 100 mm minimum pulley
- Black



- Part#: 20101101
- 45 mm wide
- 102 mm minimum pulley
- Green

CUT & MOLDED PRODUCTS

We turn ideas into solutions. Our product and engineering staff are here to help, partnering with you to develop quality, cost-effective, cut and molded parts. Plus, with locations across the U.S., we provide fast customer response and service time.

CUT PARTS

At Apache, our experience and fabrication capabilities have made us a leader in the production of cut parts since 1963. Parts are processed to exact specifications using your CAD files (.dxf, .dwg formats). If files are not available, we can identify and replicate the part you need.

Cut Parts Worksheet p. 103.

CUTTING PROCESSES
We produce our customers' parts using one of four cutting processes: waterjet, flashcut, die-cut and hand-cut.

WATERJET

Waterjet cutting allows for the precision cutting of custom parts when extremely tight tolerances are critical or complicated patterns are called for. This CNC-controlled process produces parts with exceptional quality and clean cut edges without causing thermal damage. What's more, the waterjet can be used to cut a wide range of materials and dimensions.

FLASHCUT

Die-less knife cutting offers the precision and tight tolerances of a waterjet without the use of water. The CNC-controlled flashcut operates on AutoCAD files like a waterjet, and is ideal for cutting soft and semi-rigid materials without the mess and cleanup of water cutting.

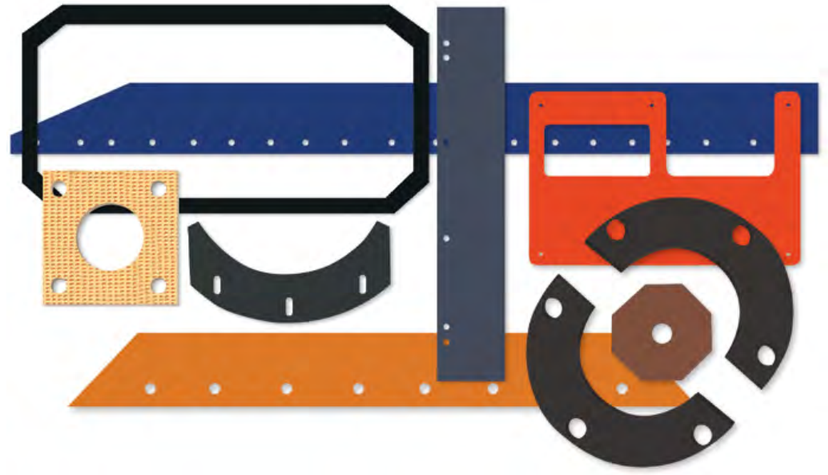
DIE-CUT

Die-cutting results in very precise parts with tight tolerances. It can be used to produce both low- and high-volume production runs in a wide range of materials.

HAND-CUT

Hand-cutting is often the right choice for certain limited quantity, lower-tolerance and prototype parts. Our craftsmen have the skill to produce prototypes and low-volume production runs from a wide variety of materials and for a range of industries.

CUT PARTS
CUT & MOLDED PRODUCTS



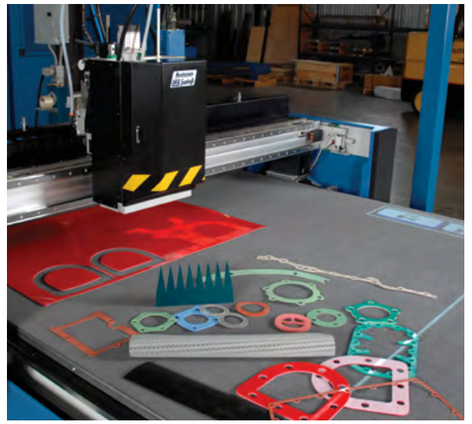
CUT RUBBER MATERIAL OPTIONS

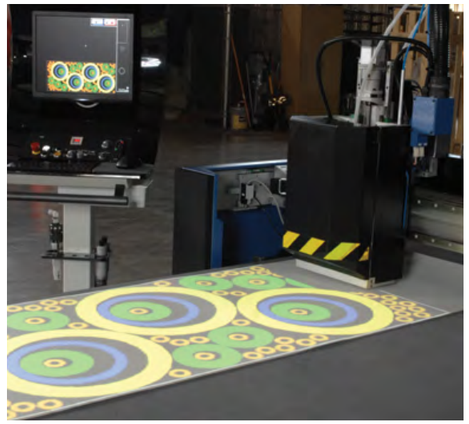
INDUSTRIAL GASKET AND SHEET PACKING MATERIALS

- Lightweight and heavy-duty rubber and PVC conveyor belt
- Lightweight thermoplastic belt
- Oil- and non-oil resistant rubber:
  - Diaphragm and cloth-inserted rubber sheet
  - Rubber sheet packing (all polymers)
  - Pure gum (natural rubber)
  - Open and closed cell sponge and foam
  - Cork/rubber sheet
  - White FDA food grade rubber
  - Silicone rubber
  - Masticated rubber
  - Compressed non-asbestos sheet
- We work with the top material suppliers in the business, so if we don't happen to have it on the shelf, we can get it quickly.

SPECIALTY APPLICATION MATERIALS

- UHMW polyethylene (Ultra-High Molecular Weight)
- HDPE (High Density Polyethylene)
- LDPE (Low Density Polyethylene)
- Lining materials for abrasion and wear protection
- AASHTO shock and structural bearing material
- Military specifications
- Ballistic materials
- Various composite materials





INDUSTRIES SERVED
Agricultural
Automotive
Chemical
Construction & Concrete
Electrical
Fitness
Food & Beverage
Government
Heavy Equipment
High-Tech
Hydroelectric
Industrial
Irrigation
Manufacturing
Marine
Material Handling
Military
Municipalities
Oil & Gas
Power Production
Pulp & Paper
Rail & Bridge
Recreation
Robotics
Trucking & Transport
Utilities
Waste Water

WARNING: Cancer and Reproductive Harm—www.P65Warnings.ca.gov

CUT RUBBER MATERIAL OPTIONS (CONTINUED)

COMMON SHEET PACKING POLYMERS

- **Butyl (IIR / isobutyl-isoprene):** Excellent weathering and dialectic properties with low air permeability. Good physical properties. Poor resistance to petroleum-based fluids.
  TEMP: -30°F to +212°F
- **EPDM (ethylene-propylene diene):** Excellent ozone, chemical, heat and aging resistance. Poor resistance to petroleum-based fluids. TEMP: -40°F to +250°F
- **Hypalon® (CSM / chloro-sulfinated polyethylene):** Excellent ozone, weathering, and acid resistance. Good abrasion and heat resistance. Fair resistance to petroleum-based fluids.
  TEMP: -20°F to +170°F
- **Natural Rubber (NR / Gum Rubber):** Excellent physical properties, including abrasion and resistance. Good flexibility at low temperature. Poor resistance to petroleum-based fluids.
  TEMP: -20°F to 180°F
- **Neoprene (CR / polychloroprene):** Good weather resistance and good inherent flame resistance. Moderate resistance to petroleum-based fluids. Good physical properties.
  TEMP: -20°F to 190°F
- **Nitrile (NBR / Buna-N / butadiene-acrylonitrile):** Excellent resistance to petroleum-based fluids. Good physical properties.
  TEMP: -40°F to +200°F
- **Silicone (SI / Dimethyl-Polysiloxame):** Excellent high and low temperature properties, fair physical properties.
  TEMP: -80°F to +500°F
- **SBR (Styrene Butadiene Rubber)**: Excellent abrasion resistance and low temperature properties.
  TEMP: -20°F to +180°F
- **Urethane (polyurethane):** Good aging and excellent abrasion, tear and solvent resistance. Poor high temperature properties.
  TEMP: -58°F to +180°F
- **Viton® (FKM / Fluorocarbon - Elastomer Type A):** Excellent oil-and air-resistance at both low and high temperatures. Very good chemical resistance.
  TEMP: -20°F to +450°F

COMMON PROFILES

Round and Oval Cord Stock
Tubing
Squares
Rectangles
Half Rounds
Trapezoids
P-Seals
Tadpoles
Hatch Door Seal
Channels

EXTRUDED PARTS

Apache has the capability to create extruded parts from a wide variety of compounds. Customers can choose from a vast selection of extrusion die profiles, or our in-house die shop can rapidly create one for quick production.

EXTRUSIONS

Extrusions can be processed into cut-to-length pieces, hot-vulcanize spliced to specific lengths or preformed for un-split applications. We cure extruded parts using static vulcanization to a typical tolerance of RMA Commercial Class-E3.

SPECIALTY SERVICES

Have multi-component parts that need to be delivered ready to install? We offer sub-assembly services to save you time and money!

COMMON EXTRUSION MATERIAL OPTIONS		
▸ Neoprene	▸ Isoprene (Synthetic rubber)	▸ EPDM
▸ Natural rubber	▸ Silicone	▸ Hypalon®
▸ SBR	▸ Nitrile (Buna-N)	▸ Viton®

MOLDED RUBBER PARTS

We manufacture molded parts using modern computer-controlled and-monitored presses. We offer both compression and transfer molding production processes, and we can help you determine which method is best for your application.

COMPRESSION MOLDING

Compression molding is ideal for products with industrial tolerances (typically RMA Commercial-A3). This process produces less scrap material weight and the tooling typically costs less than other transfer molding. Product sizes range from very small to up to 12 feet long.

TRANSFER MOLDING

Transfer molding can produce tighter tolerance parts than compression molding and generally leaves less flash on the mold parting line.

COMMON MOLDING MATERIAL OPTIONS		
▸ Neoprene	▸ Isoprene (Synthetic rubber)	▸ EPDM
▸ Natural rubber	▸ Silicone	▸ Hypalon®
▸ SBR	▸ Nitrile (Buna-N)	▸ Viton®

COMMON PARTS

Rings / Washers
Truck & Industrial Bushings
Cut Pads
Cushion / Sound Strips
Bumpers
Grommets
Plugs & Stoppers
Vibration Mounts
Bellows
Seals
Recycling Stars
Flanges
Solid / Hollow Profiles
Blocks
Special Transition Corners

Molded & Extruded Parts Worksheet p. 104.

OTHER SPECIALTY SERVICES

In addition to producing custom cut, molded, and extruded parts, Apache has many years of experience with custom fabrication, vulcanization, and bonding.

CUSTOM FABRICATIONS / SPECIALTY SERVICES		
▸ Boots/sleeves	▸ Slitting	▸ Sub-assembly
▸ Hole punching/perforating	▸ Splicing	▸ Labeling
▸ Laminating	▸ Stripping	▸ Packaging
▸ PSA application (pressure sensitive adhesive)	▸ Vulcanizing	▸ Kitting

RUBBER VULCANIZATION AND RUBBER-TO-METAL BONDING

Parts for vulcanization and rubber-to-metal bonding require specific preparation processes to ensure proper adhesion of the materials. The team at Apache will design a process for your parts that meet the requirements of your industry and application.

COMPOUNDING / BLENDING CAPABILITIES

Standard and custom-blended compounds are produced to your requirements in specific batch sizes made for each application and production run. Small prototype or large production batch runs are available for almost any size, shape or quantity of extruded or molded product.

REFERENCE CHARTS

Need more detailed information about any of our belting materials? Use the following charts – which include resistance ratings for an exhaustive list of chemicals – to pick the right belt for you application.

CHEMICAL RESISTANCE

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	0°F TO 180°F	-20°F TO 180°F	-20°F TO 180°F	-25°F TO 250°F	0°F TO 250°F	-20°F TO 200°F	-10°F TO 200°F	-20°F TO 400°F	-65°F TO 300°F	-40°F TO 200°F
ABRASION RESISTANCE	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT
CUT/GOUGE RESISTANCE	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	EXCELLENT
OIL RESISTANCE	GOOD	EXCELLENT	EXCELLENT	NOT RECOMMENDED	EXCELLENT	GOOD	EXCELLENT	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL										
Acetaldehyde	NR	NR	NR	NR	NR	NR	NR	G	G	F
Acetic Acid-Glacial	NR	NR	E	F	NR	NR	NR	F	E	F
Acetic Acid-30%	E	E	E	F	F	F	F	F	F	F
Acetic Anhyride	F	F	NR	F	NR	F	F	NR	F	F
Acetone	NR	NR	NR	NR	NR	NR	NR	F	G	NR
Alcohols	F	G	NR	G	E	G	E	G	E	G
Aluminum Chloride	E	E	E	E	E	E	E	E	E	E
Alumina Non-Activated	NR	NR	E	G	E	E	E	E	E	G
Alumina Nitrate	E	E	E	E	E	E	E	E	E	E
Ammonium Carbonate	E	E	E	E	NR	E	E	E	E	E
Ammonium Hydroxide (dil)	E	U	E	NR	NR	NR	NR	E	E	NR
Ammonium Nitrate	E	E	E	E	E	E	E	E	E	F
Ammonium Persulfate	NR	NR	NR	NR	NR	NR	NR	E	E	E
Ammonium Phosphate	G	E	E	E	E	E	E	E	E	G
Ammonium Sulfate	G	E	E	G	E	E	E	E	E	E
Aniline Dyes	G	G	G	G	NR	F	NR	G	G	G
Animal Fats	NR	G	G	NR	G	F	G	G	G	NR
Asphalt-Hot	NR	NR	E	NR	G	NR	NR	NR	NR	NR
Barium Chloride	E	E	E	E	E	E	E	E	E	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E	E
Barium Sulfide	E	E	E	G	E	E	E	E	E	E
Benzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzyl Alcohol	F	U	NR	NR	NR	NR	NR	NR	G	NR
Borax	E	E	E	G	G	G	G	E	E	G

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	0°F TO 180°F	-20°F TO 180°F	-20°F TO 180°F	-25°F TO 250°F	0°F TO 250°F	-20°F TO 200°F	-10°F TO 200°F	-20°F TO 400°F	-65°F TO 300°F	-40°F TO 200°F
ABRASION RESISTANCE	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT
CUT/GOUGE RESISTANCE	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	EXCELLENT
OIL RESISTANCE	GOOD	EXCELLENT	EXCELLENT	NOT RECOMMENDED	EXCELLENT	GOOD	EXCELLENT	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL										
Boric Acid (dil)	E	E	E	E	E	E	E	E	E	E
Brine	E	E	E	E	E	E	E	E	E	E
Bunker Oil	F	U	E	NR	E	F	E	NR	NR	NR
Butter	F	G	G	NR	E	NR	G	F	G	NR
Butyl Acetate	NR	NR	NR	NR	NR	NR	NR	G	G	NR
Butyladehyde	NR	NR	F	NR	F	NR	NR	G	G	NR
Calcium Bisulfite	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Calcium Chloride	E	E	E	E	E	E	E	E	E	E
Calcium Hydroxide	E	E	E	E	E	E	E	E	E	E
Calcium Hypochlorite	G	U	E	NR	F	F	F	E	E	NR
Calcium Nitrate	E	E	E	E	E	E	E	E	E	E
Calcium Sulfide	E	E	E	G	G	F	G	E	E	G
Caliche (Sodium Nitrate)	E	E	E	G	G	G	G	E	E	G
Carbolic Acid-attacks PE/Nylon	NR	NR	E	NR	NR	NR	NR	NR	NR	NR
Carbon Bisulfide	NR	NR	NR	NR	F	NR	F	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	F	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	F	NR	NR	NR	NR	NR
Castor Oil	F	E	F	NR	E	F	E	G	G	NR
Cellosolve	NR	NR	G	NR	NR	NR	NR	G	G	NR
Chinawood Oil	NR	U	NR	NR	G	F	G	NR	G	NR
Chlorinated Solvents	NR	NR	G	NR	NR	NR	NR	NR	NR	NR
Chlorine Solutions	E	E	NR	G	G	G	G	E	E	G
Chrome Plating Solutions	F	U	E	NR	NR	NR	NR	NR	NR	NR
Chromic Acid	NR	NR	NR	NR	NR	NR	NR	F	F	NR
Citric Acid	E	E	NR	E	E	E	E	E	E	E

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	**0°F TO 180°F**	**-20°F TO 180°F**	**-20°F TO 180°F**	**-25°F TO 250°F**	**0°F TO 250°F**	**-20°F TO 200°F**	**-10°F TO 200°F**	**-20°F TO 400°F**	**-65°F TO 300°F**	**-40°F TO 200°F**
ABRASION RESISTANCE	**GOOD**	**GOOD**	**EXCELLENT**	**EXCELLENT**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**FAIR**	**EXCELLENT**
CUT/GOUGE RESISTANCE	**GOOD**	**GOOD**	**EXCELLENT**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**EXCELLENT**
OIL RESISTANCE	**GOOD**	**EXCELLENT**	**EXCELLENT**	**NOT RECOMMENDED**	**EXCELLENT**	**GOOD**	**EXCELLENT**	**NOT RECOMMENDED**	**NOT RECOMMENDED**	**NOT RECOMMENDED**
CHEMICAL										
Coal-Oil Treated	F	U	E	NR	E	G	E	NR	NR	NR
Coconut Oil	F	E	E	NR	E	F	E	E	E	NR
Copper Chloride	E	E	E	E	E	E	E	E	E	E
Copper Sulfate	E	E	E	G	E	E	E	E	E	G
Corn Oil	NR	E	G	NR	G	F	G	F	G	NR
Cotton Seed Oil	NR	G	G	NR	G	F	G	E	F	NR
Cresol-Attacks PE/Nylon	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Creosote	F	U	E	NR	G	NR	NR	NR	NR	NR
Cresylic Acid	NR	NR	NR	NR	F	NR	NR	NR	NR	NR
Denatured Alcohol	E	G	F	E	E	E	E	E	E	E
Developing Liquids	E	E	E	G	E	G	E	G	G	E
Diacetone Alcohol	NR	NR	NR	NR	NR	NR	NR	E	E	NR
Diesel Oil	F	E	E	NR	E	F	E	NR	NR	NR
Diethylene Glycol	E	U	E	G	E	E	E	E	E	G
Ethyl Acetate	NR	NR	NR	NR	NR	NR	NR	G	G	NR
Ethyl Alcohol	G	G	NR	E	E	E	E	E	E	E
Ethyl Cellulose	E	G	E	G	G	G	G	G	G	G
Ethylene Glycol	NR	F	G	G	E	E	E	E	E	G
Fatty Acids	NR	G	G	NR	G	F	G	NR	NR	NR
Ferric Chloride	E	E	E	E	E	E	E	E	E	E
Ferric Sulfate	E	E	E	E	E	E	E	E	E	E
Formaldehyde (Aqueous)	E	E	E	NR	G	F	G	E	E	NR
Formic Acid-Attacks Nylon	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fuel Oil	F	E	E	NR	E	F	E	NR	NR	NR
Furfural	NR	G	NR	NR	E	NR	F	G	G	NR

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	**0°F TO 180°F**	**-20°F TO 180°F**	**-20°F TO 180°F**	**-25°F TO 250°F**	**0°F TO 250°F**	**-20°F TO 200°F**	**-10°F TO 200°F**	**-20°F TO 400°F**	**-65°F TO 300°F**	**-40°F TO 200°F**
ABRASION RESISTANCE	**GOOD**	**GOOD**	**EXCELLENT**	**EXCELLENT**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**FAIR**	**EXCELLENT**
CUT/GOUGE RESISTANCE	**GOOD**	**GOOD**	**EXCELLENT**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**GOOD**	**EXCELLENT**
OIL RESISTANCE	**GOOD**	**EXCELLENT**	**EXCELLENT**	**NOT RECOMMENDED**	**EXCELLENT**	**GOOD**	**EXCELLENT**	**NOT RECOMMENDED**	**NOT RECOMMENDED**	**NOT RECOMMENDED**
CHEMICAL										
Gasoline	NR	E	G	NR	E	F	G	NR	NR	NR
Gelatin	E	E	E	E	E	E	E	E	E	E
Glucose	E	E	E	E	E	E	E	E	E	E
Glycerine	E	E	E	E	E	E	E	E	E	E
Glycols	F	U	E	E	E	E	E	E	E	E
Green Sulphate Liquor	E	U	G	G	G	G	G	E	E	G
Hydraulic Oil	NR	G	NR	NR	G	G	G	NR	NR	NR
Hydrochloric Acid (dil)	E	E	E	G	G	G	G	E	E	G
Hydrogen Peroxide	E	U	NR	NR	NR	NR	NR	F	F	NR
Hydrobromic Acid (dil)	E	E	E	F	NR	E	E	E	E	E
Isoctane (Gasoline)	NR	NR	E	NR	E	NR	NR	NR	NR	NR
Isoprpyl Acetate	NR	NR	NR	NR	NR	NR	NR	E	E	NR
Kerosene	NR	G	G	NR	G	NR	G	NR	NR	NR
Lacquers	NR	F	NR	NR	NR	NR	NR	NR	NR	NR
Lacquer Solvents	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Lactic Acid	E	E	E	E	E	E	E	E	E	E
Lard	NR	G	G	NR	G	F	G	NR	NR	NR
Latex Adhesive	G	U	NR	NR	E	F	G	NR	NR	NR
Lime Sulfur	F	U	NR	NR	NR	NR	NR	E	E	NR
Limestone	E	E	E	E	E	E	E	E	G	E
Linolic Acid	F	F	G	NR	G	NR	G	F	F	NR
Linseed Oil	G	G	NR	NR	E	F	E	G	G	NR
Lube Oil	F	U	E	NR	E	F	E	NR	NR	NR
Lubricating Oils	F	E	E	NR	E	F	E	NR	NR	NR
Magnesium Chloride	E	E	E	E	E	E	E	E	E	E

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	0°F TO 180°F	-20°F TO 180°F	-20°F TO 180°F	-25°F TO 250°F	0°F TO 250°F	-20°F TO 200°F	-10°F TO 200°F	-20°F TO 400°F	-65°F TO 300°F	-40°F TO 200°F
ABRASION RESISTANCE	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT
CUT/GOUGE RESISTANCE	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	EXCELLENT
OIL RESISTANCE	GOOD	EXCELLENT	EXCELLENT	NOT RECOMMENDED	EXCELLENT	GOOD	EXCELLENT	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL										
Magnesium Hydroxide	E	E	E	G	G	G	G	E	E	G
Magnesium Sulfate	E	E	E	G	E	E	E	E	E	G
Meat and Bone Meal	NR	U	G	NR	G	F	G	NR	NR	NR
Methyl Alcohol	G	G	E	E	E	E	E	E	E	E
Methyl Butyl Ketone	NR	NR	G	NR	NR	NR	NR	E	E	NR
Methyl Ethyl Ketone	NR	NR	G	NR	NR	NR	NR	E	E	NR
Milk	E	E	E	E	E	E	E	E	E	E
Mineral Oil	F	E	E	NR	F	F	E	NR	G	NR
Mineral Spirits	NR	E	G	NR	NR	NR	NR	E	F	NR
Molasses	E	E	E	E	E	E	E	E	E	E
Mustard	NR	U	G	NR	G	F	G	NR	NR	NR
Naptha	NR	F	F	NR	F	NR	F	NR	NR	NR
Nickle Chloride	E	E	E	E	E	E	E	E	E	E
Nickel Sulfate	E	E	E	G	E	E	E	E	E	G
Nitric Acid (dil)	E	E	NR	NR	NR	NR	NR	G	G	NR
Oleic Acid	NR	U	G	G	F	F	F	G	G	G
Olive Oil	NR	U	G	NR	E	F	G	G	G	NR
Oil Sands	F	E	E	NR	E	F	E	NR	NR	NR
Oil Shale	F	E	E	NR	E	F	E	NR	NR	NR
Oxalic Acid	E	U	E	G	G	F	G	E	E	G
Oxygen	E	E	E	G	G	G	G	E	E	G
Ozone	E	E	E	NR	NR	NR	NR	E	G	NR
Palmitic Acid	NR	U	G	G	E	G	E	G	G	G
Paraffin	G	E	F	NR	E	G	E	G	G	NR
Peanut Oil	NR	E	G	NR	G	F	G	G	F	NR

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	0°F TO 180°F	-20°F TO 180°F	-20°F TO 180°F	-25°F TO 250°F	0°F TO 250°F	-20°F TO 200°F	-10°F TO 200°F	-20°F TO 400°F	-65°F TO 300°F	-40°F TO 200°F
ABRASION RESISTANCE	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT
CUT/GOUGE RESISTANCE	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	EXCELLENT
OIL RESISTANCE	GOOD	EXCELLENT	EXCELLENT	NOT RECOMMENDED	EXCELLENT	GOOD	EXCELLENT	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL										
Peel Oil	NR	U	G	NR	G	F	G	G	F	NR
Perchloric Acid	NR	NR	NR	NR	NR	NR	NR	G	G	NR
Petroleum Oils	F	G	E	NR	E	F	E	NR	G	NR
Phenol-Attackes PE/Nylon	E	NR	G	NR	NR	NR	NR	NR	NR	NR
Phosphate Ore	G	G	E	E	E	E	E	E	E	E
Phosphate-Processed	G	F	E	F	NR	F	F	G	G	F
Phosphoric Acid (dil)	E	E	E	F	G	F	G	E	E	G
Rapeseed Oil	NR	U	G	NR	G	F	G	E	E	NR
Salicylic Acid	E	E	E	G	E	G	E	E	E	E
Salt Water	E	E	E	E	E	E	E	E	E	E
Sewage	F	F	E	NR	E	F	E	F	NR	NR
Shellac (flakes)	E	E	E	E	E	E	E	E	E	E
Silicone Oil	F	E	E	F	E	G	E	G	E	F
Soap Solutions	E	U	E	G	E	E	E	E	E	G
Soda Ash	E	E	E	E	E	E	E	E	E	E
Sodium Bicarbonate	E	E	E	E	E	E	E	E	E	E
Sodium Bisulfate	E	E	E	G	E	G	E	E	E	E
Sodium Chloride	E	E	E	E	E	E	E	E	E	E
Sodium Hydroxide (dil)	E	E	E	E	G	E	G	E	E	E
Sodium Hypochlorite	E	E	E	F	G	F	G	G	G	F
Sodium Nitrate	E	E	E	G	G	G	G	E	E	G
Sodium Perborate	E	U	E	G	G	G	G	E	E	G
Sodium Peroxide	E	E	E	G	G	G	G	E	E	G
Sodium Phosphates	E	E	E	E	E	E	E	E	E	E
Sodium Silicate	E	E	E	E	E	E	E	E	E	E

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	0°F TO 180°F	-20°F TO 180°F	-20°F TO 180°F	-25°F TO 250°F	0°F TO 250°F	-20°F TO 200°F	-10°F TO 200°F	-20°F TO 400°F	-65°F TO 300°F	-40°F TO 200°F
ABRASION RESISTANCE	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT
CUT/GOUGE RESISTANCE	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	EXCELLENT
OIL RESISTANCE	GOOD	EXCELLENT	EXCELLENT	NOT RECOMMENDED	EXCELLENT	GOOD	EXCELLENT	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL										
Sodium Sulfate	E	E	E	G	E	E	E	E	E	G
Sodium Sulfide	E	E	E	F	NR	F	F	G	E	F
Sodium Thiosulfate	E	E	E	G	G	G	G	E	G	G
Sodium Chloride	E	E	E	E	E	E	E	E	E	E
Soybean Oil	F	E	U	F	E	U	U	U	U	U
Stearic Acid	G	U	E	F	F	F	F	F	E	F
Sugar Beets	E	E	E	E	E	E	E	E	F	E
Sugar Cane	E	E	E	E	E	E	E	E	E	E
Sugar Syrup	E	E	E	E	E	E	E	E	E	E
Sulfur	E	E	E	NR	NR	NR	NR	E	E	NR
Sulfuric Acid (dil)	E	E	E	F	NR	F	F	G	E	F
Sulfurous Acid	E	E	E	F	NR	F	F	G	G	F
Sunlight	E	E	E	G	G	G	G	G	G	G
Tannic Acid	E	E	E	G	E	G	E	E	E	G
Tanning Liquor	F	U	G	NR	G	F	G	NR	E	NR
Tar, Bituminous	F	E	E	NR	E	F	G	NR	NR	NR
Tartaric Acid	E	E	E	G	E	G	E	G	NR	G
Tetrachloroethylene	NR	NR	NR	NR	NR	NR	NR	NR	G	NR
Touene (Toluol)	NR	F	NR	NR	F	NR	F	NR	NR	NR
Transformer Oil	F	U	G	NR	E	F	E	NR	NR	NR
Transmission-Type A	F	U	G	NR	E	G	E	NR	NR	NR
Trichloroethylene	NR	NR	NR	NR	F	NR	NR	NR	NR	NR
Trichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tricresyl Phosphate	F	U	NR	NR	NR	NR	NR	F	E	NR
Trisodium Phosphate	E	U	E	E	E	E	E	E	E	E
Tung Oil	F	U	G	NR	E	G	E	F	F	NR

	PVC POLY VINYL CHLORIDE	RAV RUBBER & VINYL	URETHANE	SBR	NBR	MOR	SOR	EPDM	BUTYL	NATURAL RUBBER
TEMPERATURE RANGE	0°F TO 180°F	-20°F TO 180°F	-20°F TO 180°F	-25°F TO 250°F	0°F TO 250°F	-20°F TO 200°F	-10°F TO 200°F	-20°F TO 400°F	-65°F TO 300°F	-40°F TO 200°F
ABRASION RESISTANCE	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	GOOD	GOOD	FAIR	EXCELLENT
CUT/GOUGE RESISTANCE	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	EXCELLENT
OIL RESISTANCE	GOOD	EXCELLENT	EXCELLENT	NOT RECOMMENDED	EXCELLENT	GOOD	EXCELLENT	NOT RECOMMENDED	NOT RECOMMENDED	NOT RECOMMENDED
CHEMICAL										
Turpentine	NR	F	NR	NR	R	G	E	NR	NR	NR
Ultra-Violet (moderate exposure)	E	E	E	G	G	G	G	G	E	F
Urea	E	E	E	E	E	E	E	E	E	E
Urine	E	E	G	G	G	G	G	G	G	G
Vegetable Oils	NR	E	G	NR	E	G	E	F	F	NR
Vinegar	E	E	E	G	G	G	G	E	E	G
Water	E	E	E	E	E	E	E	E	E	E
Whiskey	G	G	G	E	E	E	E	E	E	E
Wines	G	G	G	E	E	E	E	E	E	E
White Pine Oil	F	U	G	NR	E	G	E	NR	NR	NR
Wood Oil	F	E	E	NR	E	G	E	NR	NR	NR
Wood Chips	G	G	E	F	E	G	E	NR	NR	F
Xylene-Attacks Nylon	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Zinc Chloride	E	E	E	E	E	E	E	E	E	E
Zinc Sulphate	E	E	E	G	E	E	E	E	E	G

PVC – Poly Vinyl Chloride (PVC) is biologically and chemically resistant. PVC can be formulated
to meet fire resistant and anti-static requirements.

RAV – Rubber and Vinyl (RAV), also known as RMV, is a refined PVC formulation. If offers high resistance to fats, oils and chemicals. It is a popular compound for use in food applications.

Urethane – Urethane is a good choice for rough and/or oily applications. It enjoys excellent abrasion and oil resistance and/or oily applications. It enjoys excellent abrasion and oil resistance.

SBR – Styrene Butadiene Rubber (SBR) is also known as RMA Grade II rubber. Its abrasion resistance makes this compound popular for belting in the Aggregate Industry and package handling applications, among others. It has good resistance to the elements, ozone and sunlight but poor oil resistance.

NBR – Butadiene Acrylonitrile, also called Nitrile or Buna-N or NBR, gives resistance to oil, heat and grease. Examples: 1-2002, 1-6003

MOR – MOR stands for Moderate Oil Resistance. This compound performs well in wood, agriculture and light industrial applications where limited oils are present.

SOR – Super Oil Resistance (SOR) engenders extra oil resistance. It is used in high oil applications such as asphalt manufacture.

EPDM – Ethylene Propylene Diene Monomer Tripolymer (EPDM) is a formulation designed for extreme temperature, up to 350°F for fines and 400°F for lumps.

Butyl – Isobutylene Isoprene (Butyl) has very good temperature resistance. It can withstand environments from -65°F to 300°F. It is popular in food applications but has limited abrasion resistance.

Natural Rubber – Natural Rubber or Polyisoprene exhibits abrasion, gouge and cut resistance. It is generally used in non-marking belts.

CONVEYOR BELT SPEEDS & FORMULAS

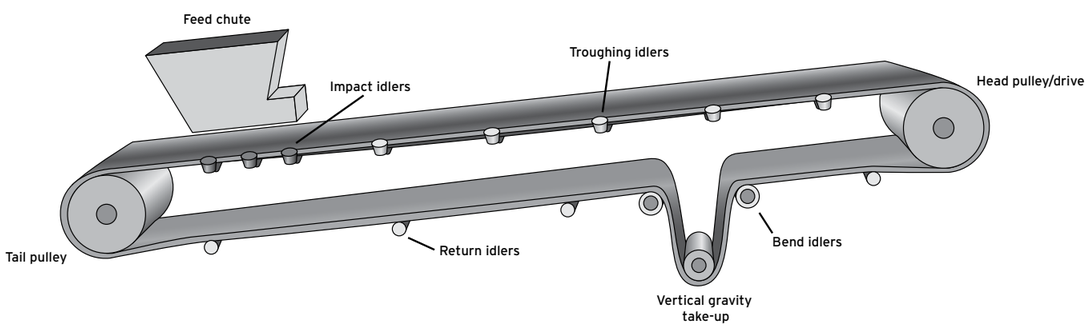
CONVEYOR BELT SPEEDS PULLEY REVOLUTIONS PER MINUTE & FORMULAS										
DIAMETER OF PULLEY IN INCHES	PULLEY CIRCUMFERENCE IN FEET	BELT SPEEDS IN FEET PER MINUTE								
		100	150	200	250	300	350	400	500	600
		PULLEY REVOLUTIONS PER MINUTE								
12	3.14	31.8	47.7	63.7	79.6	95.6	111.4	127.3	159.2	191.0
14	3.67	27.2	40.8	54.5	68.2	81.7	95.5	109.1	136.4	163.7
16	4.18	23.9	35.8	47.8	59.8	71.8	85.0	95.5	119.4	143.2
18	4.72	21.1	31.8	42.4	53.0	63.6	74.2	84.9	106.1	127.3
20	5.24	19.1	28.6	38.2	47.7	57.2	66.8	76.4	95.5	114.6
24	6.28	16.0	23.9	31.9	39.8	47.8	55.7	63.7	79.7	95.5
26	6.80	14.7	22.0	29.4	36.7	44.2	51.5	58.8	73.5	88.1
28	7.32	13.7	20.5	27.3	34.2	41.0	47.8	54.7	68.3	81.9
30	7.85	12.7	19.1	25.5	31.8	38.2	44.6	51.0	63.7	76.4
32	8.37	11.9	17.9	23.9	29.8	35.8	41.8	47.7	59.7	71.6
36	9.42	10.6	15.9	21.2	26.5	31.8	31.8	45.5	53.0	63.7

TO OBTAIN	HAVING	FORMULA
Belt speed feed per minute	Diameter (D) of pulley inches and revolutions per minute (RPM)	S = 0.2618 x D x RPM
Shaft Speed revolutions per minute (RPM)	Velocity (S) ft. per minute and diameter (D) of pulley inches	RPM = $\frac{S}{0.2618 \times D}$
Diameter (D) of pulley inches	Velocity (S) ft. per minute and revolutions per minute (RPM)	D = $\frac{S}{0.2618 \times RPM}$

CALCULATING BELT LENGTH	
KEY TO SYMBOLS	BELT LENGTH
C - Center to Center distance (inches)	For a two pulley system with no snub pulley:
D - Diameter of Drive Pulley (inches)	$L = x\ 3.1416 + 2C \quad \frac{D + d}{2}$
D - Diameter of Tail Pulley (inches)	
L - Belt Length (inches)	

Must consider position of take up at tensions pulley when determining final length.

CONVEYOR BELT DIAGRAM



CONVERSIONS

CONVEYOR DESIGN INFORMATION DECIMAL & METRIC EQUIVALENTS								
FRACTIONS OF AN INCH	EQUIVALENTS		FRACTIONS OF AN INCH	EQUIVALENTS		FRACTIONS OF AN INCH	EQUIVALENTS	
	INCHES	MILLIMETERS		INCHES	MILLIMETERS		INCHES	MILLIMETERS
1/64	0.015625	0.396875	23/64	0.359375	9.128125	11/16	0.6875	17.4625
1/32	0.03125	0.79375	3/8	0.3750	9.5250	45/64	0.703125	17.859375
3/64	0.046875	1.190625	25/64	0.390625	9.921875	23/32	0.71875	18.25625
1/16	0.0625	1.5875	13/32	0.40625	10.31875	47/64	0.734375	18.653125
5/64	0.078125	1.984375	27/64	0.421875	10.715625	3/4	0.7500	19.0500
3/32	0.09375	2.38125	7/16	0.4375	11.1125	49/64	0.765625	19.446875
7/64	0.109375	2.778125	29/64	0.453125	11.509375	25/32	0.78125	19.84375
1/8	0.1250	3.1750	15/32	0.46875	11.90625	51/64	0.796875	20.240625
9/67	0.140625	3.571875	31/64	0.484375	12.303125	13/16	0.8125	20.6375
5/32	0.15625	3.96875	1/2	0.5000	12.700	53/64	0.828125	21.034375
11/64	0.171875	4.365625	33/64	0.515625	13.096875	27/32	0.84375	21.43125
3/16	0.1875	4.7625	17/32	0.53125	13.49375	55/64	0.859375	21.828125
13/64	0.203125	5.159375	35/64	0.546875	13.890625	7/8	0.8750	22.2250
7/32	0.21875	5.55625	9/16	0.5625	14.2875	57/64	0.890625	22.621875
15/64	0.234375	5.93125	37/64	0.578125	14.684375	29/32	0.90625	23.01875
1/4	0.2500	6.3500	19/32	0.59375	15.08125	59/64	0.921875	23.415625
17/64	0.265625	6.756875	39/64	0.609375	15.478125	15/16	0.9375	23.8125
9/32	0.28125	7.14375	5/8	0.6250	15.8750	61/64	0.953125	24.209375
19/64	0.296875	7.540625	41/64	0.640625	16.271875	31/32	0.96875	24.60625
5/16	0.3125	7.9375	21/32	0.65625	166875	63/64	0.984375	24.003125
21/64	0.328125	8.334375	43/64	0.671875	17.065625	1	1.0000	25.4000
11/32	0.34375	8.73125						

METRIC / IMPERIAL FABRIC & TENSION RATINGS

METRIC / IMPERIAL FABRIC ABBREVIATIONS		
FABRIC / CARCASS CONSTRUCTION	IMPERIAL	METRIC
Polyester	P	E
Nylon	N	P
Poly/Nylon	PN	EP
Nylon/Nylon	NN	PP
Poly/Poly	PP	EE

IMPERIAL DEFINITIONS:

- P stands for polyester
- N stands for nylon

METRIC DEFINITIONS:

- E stands for ethylene glycol
- P stands for polyamide

Even when metric fabric belts are all nylon or some other fabric combination, they are at times incorrectly referred to as EP class belts.

TENSION RATINGS

- PIW designates working tension, and is measured as "pounds per inch of width"
- EP plus the number/rating designates breaking strength, not working tension, and is measured using metric unit – Newtons/millimeters

CONVERSION METHOD FOR CONVERTING EP RATING TO PIW RATING:

EP Breaking Strength x .571 = PIW Rating

Example: EP 800 x .571 = 457# PIW

CLEAT CENTER (PITCH) LOCATIONS FOR VOLTA POSITIVE DRIVE BELTS

Please use the chart below when using Volta's positive drive belts – SuperDrive™, DualDrive, and DualDrive Small Pulley – to complete the Volta Cleat Design Worksheet on p. 102. Cleats on these belts must be placed between lugs located on the bottom of the belt. The chart below will give you the center to center dimensions needed.

VOLTA CENTER TO CENTER (PITCH) DIMENSIONS											
SUPERDRIVE™ (SD) CENTER TO CENTER				DUALDRIVE (DP) CENTER TO CENTER				DUALDRIVE SMALL PULLEY (DDSP) CENTER TO CENTER			
# OF LUGS	MM	INCHES (DECIMALS)	INCHES (FRACTIONS)	# OF LUGS	MM	INCHES (DECIMALS)	INCHES (FRACTIONS)	# OF LUGS	MM	INCHES (DECIMALS)	INCHES (FRACTIONS)
2	79.4	3.126	3-1/8	2	99	3.898	3-7/8	3	60	2.362	2-3/8
3	119.1	4.689	4-11/16	3	148.5	5.846	5-7/8	4	80	3.15	3-1/8
4	158.8	6.252	6-1/4	4	198	7.795	7-13/16	5	100	3.937	3-15/16
5	198.5	7.815	7-13/16	5	247.5	9.744	9-3/4	6	120	4.724	4-3/4
6	238.2	9.378	9-3/8	6	297	11.693	11-11/16	7	140	5.512	5-1/2
7	277.9	10.941	10-15/16	7	346.5	13.642	13-5/8	8	160	6.299	6-5/16
8	317.6	12.504	12-1/2	8	396	15.591	15-9/16	9	180	7.087	7-1/16
9	357.3	14.067	14-1/16	9	445.5	17.539	17-9/16	10	200	7.874	7-7/8
10	397	15.63	15-5/8	10	495	19.488	19-1/2	11	220	8.661	8-11/16
11	436.7	17.193	17-3/16	11	544.5	21.437	21-7/16	12	240	9.449	9-7/16
12	476.4	18.756	18-3/4	12	594	23.386	23-3/8	13	260	10.236	10-1/4
13	516.1	20.319	20-5/16	13	643.5	25.335	25-5/16	14	280	11.024	11
14	555.8	21.882	21-7/8	14	693	27.283	27-5/16	15	300	11.811	11-13/16
15	595.5	23.445	23-7/16	15	742.5	29.232	29-1/4	16	320	12.598	12-5/8
16	635.2	25.008	25	16	792	31.181	31-3/16	17	340	13.386	13-3/8
17	674.9	26.571	26-9/16	17	841.5	33.13	33-1/8	18	360	14.173	14-3/16
18	714.6	28.134	28-1/8	18	891	35.079	35-1/16	19	380	14.961	14-15/16
19	754.3	29.697	29-11/16	19	940.5	37.028	37	20	400	15.748	15-3/4
20	794	31.26	31-1/4	20	990	38.976	39	21	420	16.535	16-9/16
21	833.7	32.823	32-13/16	21	1039.5	40.925	40-15/16	22	440	17.323	17-5/16
22	873.4	34.386	34-3/8	22	1089	42.874	42-7/8	23	460	18.11	18-1/8
23	913.1	35.949	35-15/16	23	1138.5	44.823	44-13/16	24	480	18.898	18-7/8
24	952.8	37.512	37-1/2	24	1188	46.772	46-3/4	25	500	19.685	19-11/16
25	992.5	39.075	39-1/16	25	1237.5	48.72	48-3/4	26	520	20.472	20-1/2
26	1032.2	40.638	40-5/8	26	1287	50.669	50-11/16	27	540	21.26	21-1/4
27	1071.9	42.201	42-3/16	27	1336.5	52.618	52-5/8	28	560	22.047	22-1/16
28	1111.6	43.764	43-3/4	28	1386	54.567	54-9/16	29	580	22.835	22-13/16
29	1151.3	45.327	45-5/16	29	1435.5	56.516	56-1/2	30	600	23.622	23-5/8
30	1191	46.89	46-7/8	30	1485	58.465	58-7/16	–	–	–	–

WORKSHEETS

These worksheets are a great way to get started with Apache belts, accessories, and parts. Fill them out and give us a call. One of our experienced team members will help identify the best products for your application.

BELT SELECTION WORKSHEET

Here's what we need from you.

NAME:
COMPANY:
PHONE #:
EMAIL:
DATE:

Follow this process to collect and provide the information that will allow Apache and to help you select the best solution for your application. Experienced sales team members are just a phone call away. Knowledgeable field representatives are available when a site visit may be necessary.

1 If the current belting product is providing satisfactory service simply match a sample of the belt to a product in our catalog. If time permits, send the sample to us for identification.

2 If the name and manufacturer of the belting product is known, call us. We will cross reference to a quality Apache product.

3 If this is a new application, or if the current belt is not providing satisfactory service, then complete this survey to the fullest extent possible:

BELT TYPE
- Exact length:
- Exact width:
- Overall gauge (belt thickness):
- Color:
- Ply:

FABRICATIONS

Lacing
- Mechanical fastener:
- Standard, recessed, overlap, hidden:

Endless
- Vulcanized skived splice:
- Finger splice:
- Double finger splice:
- Prepared ends for finger:
- Prepared ends skived:

Custom Cleating
- Cleat style:
- Height (inches):
- Centers:

Tracking Guides
- Tracking guide size:
- Number of guides:
- Centers off belt edge:
- Hole punching:
  Provide drawing or supply pattern number.

FOR YOUR PROTECTION

Any recommendations Apache may provide are based on information furnished by you. These recommendations are reliable based on our years of experience and technical expertise.

Recommendations cannot be a guarantee. Performance guarantees must involve an on-site inspection and must be made in writing.

CONVEYOR SYSTEM ANALYSIS
- Belt length: / Belt width:
- Belt style:
- Minimum pulley diameter:
- Head pulley diameter:
- Tail pulley diameter:
- Live load/FT:
- Conveyor type:
- Drive configuration:
- Belt speed FPM:
- Conveyor width (between frames):
- Conveyor length:
- Conveyor slope:
- Product being conveyed:
- Food product:
- Ambient temp: / Product temp:
- Oil condition:
- Chemical condition:
- Capacity average:
- Capacity maximum:
- Drop to belt (feet):

PREVIOUS BELT HISTORY
- Style:
- Manufacturer:
- Ply:
- Reason for failure or replacement:
- Any other pertinent information about this application:

VOLTA BELT SELECTION WORKSHEET

Here's what we need from you.

NAME:
COMPANY:
PHONE #:
EMAIL:
DATE:

Follow this process to provide the information that will allow Apache to help you select the best Volta solution for your application. Experienced sales team members are just a phone call away, and knowledgeable field representatives are available when a site visit may be necessary.

BELT TYPE
- Net length (mm/in):
  Center to center of pulley:
  Pulley diameter:
- Exact width (mm/in):
- Overall gauge (belt thickness):
- Top surface / profile:
- Color:
- Food association requirements (FDA, USDA, EU, 3A Dairy, etc.):

FABRICATIONS
- Splice / lacing:
  ☐ Butt weld endless ☐ Butt weld prepared ends ☐ Clipper®
  ☐ Volta hinge lace ☐ Plastic rivet ☐ Staple

Tracking Guides
- Size:
- Placement (top or bottom):
- Number of guides:

Single guide placement:
☐ Center pulley side ☐ Offset ☐ Flushed edge
☐ Indent from edge to center _____

Multiple guides:
☐ Center to center _____ ☐ Flushed edge

Custom Cleating (see Volta Custom Cleating Design Worksheet)

Sidewall (see Volta Footless Sidewall Design Worksheet)

DRAWINGS
- Provide drawing of profiles, placement of V-guides, etc.:

FOR YOUR PROTECTION

Any recommendations Apache may provide are based on information furnished by you. These recommendations are reliable based on our years of experience and technical expertise.

Recommendations cannot be guaranteed. Performance guarantees must involve an on-site inspection and must be made in writing.

CONVEYOR SYSTEM ANALYSIS
- Belt speed FPM (feet per minute):
- Minimum pulley diameter:
- Drive pulley placement (front, back, center):
- Degree of wrap (90°, 180°, 210°, etc.):

Level of the Belt
- Level (horizontal, incline, decline):
- Degree of angle:

Conveyor Bed Construction
- Flat (rollers or slider bed):
- Trough, degree:

Slider Bed Material
- Steel plate (smooth, corrugated, perforated, strips):
- UHMW (strips, solid):
- Other, specify:

Take Up
- Type (manual screw, pulley, quick master cylinder):
- Location:

Conditions
- Ambient temp: / Product temp:
- Product being conveyed:
- Product weight:
- Product accumulation?
- Cutting or chopping on belt?
- Presence of oil, water, or grease? (specify)
- Presence of solvents or acids? (specity)
- Cleaning agent(s) used:

PREVIOUS BELT HISTORY
- Style: / Manufacturer:
- Ply: / Belt life:
- Reason for failure or replacement:
- Customer expectations for new belt (check all that apply):
  ☐ Longer life ☐ Abrasion resistance ☐ Flexibility
  ☐ Less down time ☐ In house installs & repairs

VOLTA CUSTOM CLEATING DESIGN WORKSHEET

Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

Follow this process to provide the information that will allow Apache to help you select the best Volta cleat solution for your application. Experienced sales team members are just a phone call away, and knowledgeable field representatives are available when a site visit may be necessary.

CLEAT STYLE

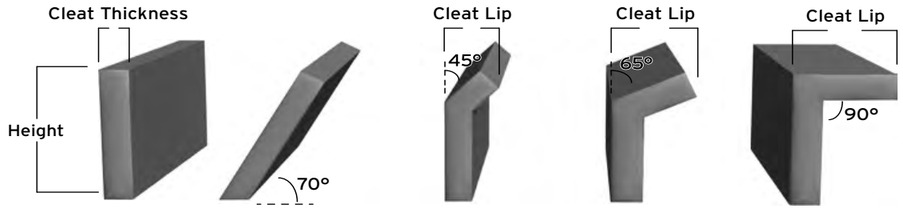
- Footed thinline: ☐ Straight
  - Height: ☐ 30 mm ☐ 40 mm ☐ 50 mm ☐ 60 mm
  - Color: ☐ White ☐ Blue
- Footless (see table below):
  ☐ Straight ☐ 70° Angle ☐ 45° Scoop ☐ 65° Scoop ☐ 90° Scoop
  - Height (mm):
  - Thickness (mm):
  - Lip size (mm):
- V-sections cleat (dimensions same as V-guides):
  - Size: ☐ 6 mm ☐ 8 mm ☐ 10 mm ☐ 13 mm ☐ 17 mm ☐ 22 mm
- Cleat centers:
  See reference chart Cleat Center Locations for Volta Positive Drive Belts when using Volta SuperDrive™, DualDrive, DualDrive Small Pulley belting. Cleats on these belts must be placed between the lugs located on the bottom of the belt.
- Width (mm)

DRAWINGS

- Provide drawing of cleat style, placement, notch-outs, tapers, "non-standard" cleat patterns, etc.:

VOLTA FOOTLESS CLEAT OPTION DIMENSIONS

	STRAIGHT	70° ANGLE	45° SCOOP	65° SCOOP	90° SCOOP
HEIGHT (MM)	10 – 150	30 – 150	60 – 150	60 – 150	60 – 150
THICKNESS (MM)	3, 4, 5, 6, 8	3, 4, 5, 6, 8	3, 4, 5, 6, 8	3, 4, 5, 6, 8	3, 4, 5, 6, 8
LIP SIZE (MM)	–	–	25, 38, 50, 63	25, 38, 50, 63	25, 38, 50, 63



NOTE: Not all cleat options are available on all Volta belt styles. Not all cleat thicknesses are recommended for all heights.

VOLTA FOOTLESS SIDEWALL DESIGN WORKSHEET

Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

To ensure your belt is manufactured with the proper footless sidewall specifications and proper placement on base belt, please refer to the below diagrams and complete the following:

BELT LENGTH AND WIDTH

- Length:
- Width (see illustration, #1):

SIZE OF SIDEWALL (#2)

- Height:
  ☐ 30 mm ☐ 40 mm ☐ 50 mm ☐ 60 mm ☐ 80 mm ☐ 100 mm ☐ 130 mm ☐ 150 mm ☐ Other _____

PLEASE NOTE PLACEMENT OF SIDEWALL

- Flush with edge of belt:
- Indent from belt edge to corrugation (#3):

INSIDE SPACE BETWEEN SIDEWALL

- Center to center of sidewall (#4):
- Inside corrugation to inside corrugation (#5):

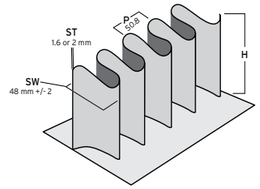
PLACEMENT OF CLEATS (IF APPLICABLE)
If cleats are required, please first complete the Volta Cleat Worksheet, then complete the cleat placement questions below in regards to sidewall.

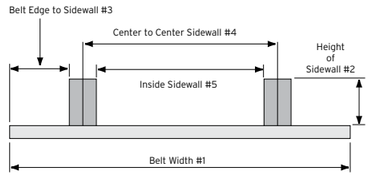
- Cleat spacing (distance between ends of cleats and inside of sidewall):
  Standard gap is 1/4", but can be reduced to 1/8". **IMPORTANT NOTE:** Wall corrugations are NOT symmetrical from one side of the belt to the other, cleats will not always align with the inside convolutions of the sidewall.
- Additional sidewall to be left loose for field joining?

FOOTLESS SIDEWALL MINIMUM PULLEY DIAMETERS

	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
HEIGHT "H"	1-1/4	30	1-1/2	40	2	50	2-3/8	60	3-1/8	80	3-15/16	100	5-7/64	130	5-29/32	150
SIDEWALL THICKNESS "ST"	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6	1/16	1.6	5/64	2	5/64	2
2 MM BELT THICKNESS																
NORMAL FLEX	3.15	80	3.54	90	3.94	100	4.33	110	Not Recommended							
BACK FLEX	4.33	110	4.72	120	5.91	150	7.09	180								
2.5 MM BELT THICKNESS																
NORMAL FLEX	3.15	80	3.54	90	3.94	100	4.33	110	Not Recommended							
BACK FLEX	4.33	110	4.72	120	5.91	150	7.09	180								
3 MM BELT THICKNESS																
NORMAL FLEX	3.15	80	3.54	90	3.94	100	4.33	110	5.12	130	6.30	160	8.27	210	9.84	250
BACK FLEX	4.33	110	4.72	120	5.91	150	7.09	180	9.06	230	11.81	300	15.75	400	17.72	450
4 MM BELT THICKNESS																
NORMAL FLEX	3.15	80	3.54	90	3.94	100	4.33	110	5.12	130	6.30	160	8.27	210	9.84	250
BACK FLEX	4.33	110	5.12	130	6.30	160	7.48	190	9.45	240	12.2	310	16.54	420	18.5	470
5 MM BELT THICKNESS																
NORMAL FLEX	3.94	100	3.94	100	4.33	110	4.72	120	5.91	150	7.09	180	8.86	225	11.02	280
BACK FLEX	5.12	130	5.91	150	7.09	180	8.66	220	10.24	260	13.39	340	17.72	450	19.69	500

For reinforced belts add 10% to table values





LIGHTWEIGHT DUROWALL™ DESIGN WORKSHEET

Here's what we need from you.

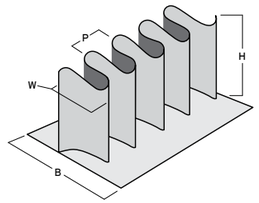
NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

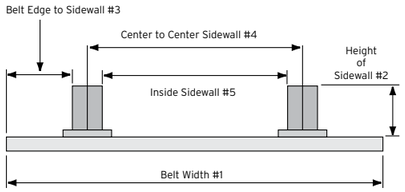
To ensure your belt is manufactured with a proper sidewall specification, please refer to the below diagrams and complete the following:

- BELT STYLE:
  - Part#:
  - Description:
- BELT LENGTH AND WIDTH:
  - Length:
  - Width (see illustration, #1):
- MINIMUM PULLEY DIAMETER:
- SIZE OF SIDEWALL (#2):
- PLEASE NOTE PLACEMENT OF SIDEWALL:
  - Flush with edge of belt:
  - Indent from belt edge to corrugation (#3):
- INSIDE SPACE BETWEEN SIDEWALL:
  - Center to center of sidewall (#4):
  - Inside corrugation to inside corrugation (#5):
- NOTE PLACEMENT OF CLEATS (IF APPLICABLE):
  - Cleat height:
  - Cleat spacing:
  - Cleat width:
  - Style: T-cleat, scoop, lug:
  - Flush to foot of wall / flush to corrugation / indent from sidewall cleat?
  - Additional sidewall to be left loose for field joining?

DUROWALL™ DIMENSIONS

	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
HEIGHT "H"	1-1/4	30	1-1/2	40	2	50	2-3/8	60	3-1/8	80	3-15/16	100
BASE WIDTH "BW"	1-3/16	30	1-3/16	30	2-3/8	60	2-3/8	60	2-3/8	60	2-11/64	55
SIDEWALL WIDTH "SW"	3/4	19	3/4	19	1-1/2	40	1-1/2	40	1-1/2	40	1-49/64	45
PITCH "P"	7/8	22	7/8	22	1-9/16	40	1-9/16	40	1-9/16	40	2	50





Note: All lightweight, white Durowall sidewall is measured using the standard metric system.

HEAVY-DUTY DUROWALL™ DESIGN WORKSHEET

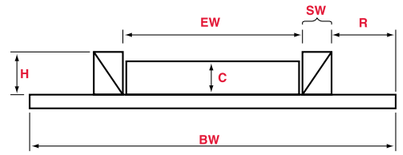
Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

Copies of this data sheet can be used to help determine your belting requirements. Accurate and complete information is necessary to recommended the proper solution for your application.

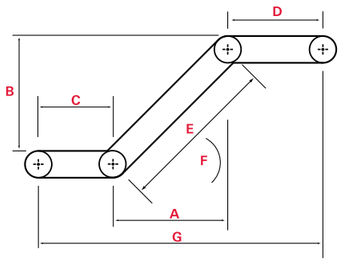
- CONTACT INFORMATION
  - City: | State: | Zip:
  - Contact: | Phone: | Fax:
  - Ref. Info.:
  - Material:
  - Density: | Size: | Min: | Max:
  - Surcharge: | Temperature: | Min: | Max:
  - Capacity: | Belt speed (check____if maximum):
  - Width preference: | Pulley diameter (check ____if maximum):
  - Oil resistance required? ☐ Yes ☐ No
- EXISTING BELT SPECIFICATION FOR REPLACEMENT PART/PRICING

CROSS SECTION OF BELT



CROSS SECTION OF BELT

SIDE VIEW OF CONVEYOR



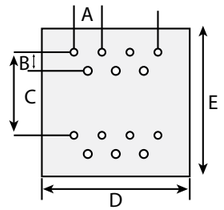
Belt length:	Belt Type:	Horizontal of incline (A):
Belt width (BW):	Pulley Dia.:	Lift (B):
Sidewall height (H):	Defl. Dia.:	Infeed/or horiz. conv. (C):
Sidewall recess (R):	Cleat Type:	Discharge (D):
Sidewall width (SW):	Cleat Spacing:	Incline length (E):
Effective width (EW):	Cleat Fastened to Wall?:	Incline angle (F):
Cleat height (C):	Fasteners:	Horizontal length (G):

ELEVATOR BELT PUNCHING DIAGRAM WORKSHEET

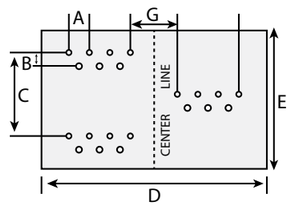
Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	
APPROVAL SIGNATURE:	
RETURN TO:	REF. P.O.#:

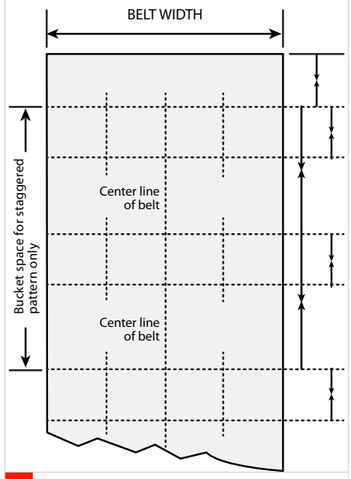
PUNCHING DIAGRAM MUST BE SIGNED AND APPROVED BEFORE PRODUCTION BEGINS. Unless otherwise specified belt will be punched the entire length with the spacing show.



CENTERED BUCKETS	
▸	Distance from end of belt to first row of buckets (mm/in):
▸	Hole Diameter (mm/in):
▸	Punch pattern (see below):
A	Center distance between hole (mm/in):
B	Row centers (mm/in): or N/A?
C	Bucket centers (mm/in):
D	Belt width:
E	Belt length:
▸	Special Instructions:

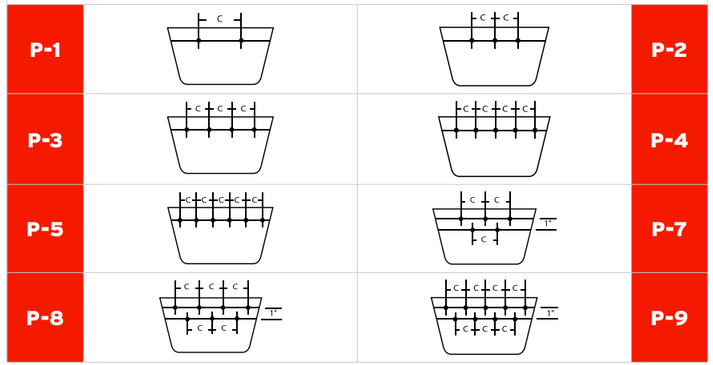


STAGGERED BUCKETS	
▸	Diameter of holes to be punched (mm/in):
▸	Punch pattern (see below):
A	Center distance between holes (mm/in):
B	Row centers (mm/in): or N/A?
C	Bucket centers (mm/in):
D	Belt width (mm/in):
E	Belt length (mm/in):
G	Center to center outside holes (mm/in):
▸	Special Instructions:



CUSTOM BUCKETS	
	Belt width (mm/in):
	Bucket centers (mm/in):
	Distance from end of belt to first row of buckets (mm/in):
	Distance between first row and second row of holes (mm/in):
	Diameter of holes to be punched (mm/in):
	SPACING OF HOLES
▸	First Row:
▸	Second Row:
	NUMBER OF HOLES
▸	First Row
▸	Second Row:
	BUCKET SIZE

BELT PUNCHING DIAGRAM



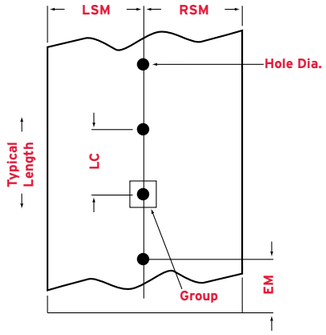
HOLE PUNCH PATTERN WORKSHEET

Here's what we need from you.

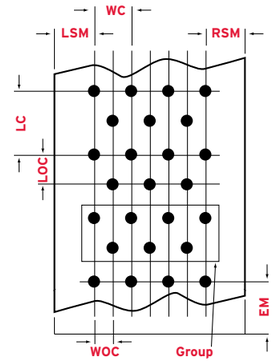
NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
PURCHASE ORDER #:	
APPROVED BY:	
DATE:	

Please mark which hole punch pattern you are requesting.

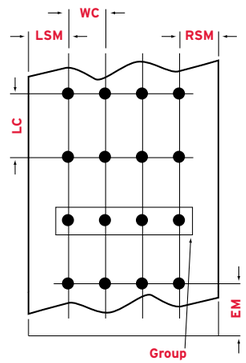
STRAIGHT



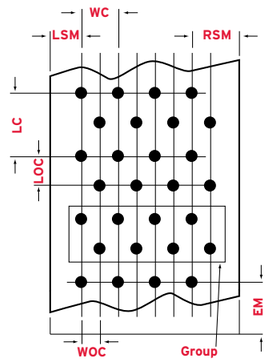
STAGGERED



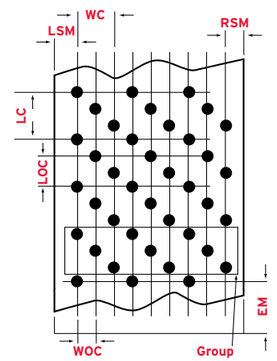
SQUARE



OFFSET



DIAGONAL



DIMENSIONAL DATA	
▸	Pattern Type:
▸	Hole Diameter:
▸	Left side margin (LSM):
▸	Right side margin (RSM):
▸	Length center (LC):
▸	Length offset center (LOC):
▸	Width center (WC):
▸	Width offset center (WOC):
▸	EM (Butt ends only):
	EM = Center line of last holes to belt end.
▸	Any other pertinent information about this application:

CUT PARTS WORKSHEET

Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

- **CAD DRAWING OF THE PART WITH TOLERANCES.** If material tolerances are not present, please tell us about the most critical dimensions (.dxf/.dwg file to cut from).
- **SAMPLE OF THE PART (IF AVAILABLE).** The sample will help us to determine what method of manufacturing has been used in the past.
- **MATERIAL SPECIFICATIONS OR POLYMER TYPE:**
  - The full ASTM (American Society for Testing & Materials) call-out of the material is best
  - If the ASTM is not available, please provide specifications for:
    - Material:
    - Shore A durometer:
    - Density:
    - Tensile:
    - Elongation:
    - Compression set:
    - UL recognition:
    - FDA (or other requirements):
    - PSA (Pressure Sensitive Adhesive):
    - Color:
- **TELL US ABOUT THE ENVIRONMENT WHERE THE PART WILL BE USED:**
  - Temperature:
  - Chemicals:
  - Ozone:
  - Application:
- **HOW WILL THE PART BE USED?** This is helpful in determining the part's critical features.
- **QUANTITY AND ESTIMATED ANNUAL USAGE:**
  - Do you require the parts all at once?
  - Is this a blanket order with periodic releases? At what intervals?
  - Or is this an repetitive, ongoing order?
- **DELIVERY REQUIREMENTS:**
  - When do you need the first shipment?
  - What is your preferred shipping method?
- **PACKAGING REQUIREMENTS OTHER THAN STANDARD BULK PACK:**
  - Labels (part number, UPC)?
  - Bagged or boxed quantity?

MOLDED & EXTRUDED PARTS WORKSHEET

Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

- **CAD DRAWING OF THE PART WITH TOLERANCES.** If rubber tolerances are not present, please tell us about the most critical dimensions (.stp or .igs file for tooling).
- **SAMPLE OF THE PART (IF AVAILABLE).** The sample will help us to determine what method of manufacturing has been used in the past.
- **MATERIAL SPECIFICATIONS OR POLYMER TYPE:**
  - The full ASTM (American Society for Testing & Materials) call-out of the material is best
  - If the ASTM is not available, please provide specifications for:
    - Material:
    - Shore A durometer:
- **TELL US ABOUT THE ENVIRONMENT WHERE THE PART WILL BE USED:**
  - Temperature:
  - FDA (or other requirements):
  - Chemicals:
  - Ozone:
  - Application:
- **HOW WILL THE PART BE USED?** Statically, dynamically, for sealing, etc.? This is helpful in determining a part's critical features.
- **QUANTITY AND ESTIMATED ANNUAL USAGE:**
  - Do you require the parts all at once?
  - Is this a blanket order with periodic releases? At what intervals?
  - Or is this an repetitive, ongoing order?
- **TOOLING:**
  - For molded parts, does tooling already exist?
  - If yes, do you own the tooling?
  - What type is it? Compression, transfer or injection?
  - Can it be moved from your current supplier?
- **DELIVERY REQUIREMENTS:**
  - When do you need the first shipment?
  - What is your preferred shipping method?
- **PACKAGING REQUIREMENTS OTHER THAN STANDARD BULK PACK:**
  - Labels (part number, UPC)?
  - Bagged or boxed quantity?

FOAM & SPONGE WORKSHEET

Here's what we need from you.

NAME:	
COMPANY:	
PHONE #:	
EMAIL:	
DATE:	

- **CAD DRAWING OF THE PART WITH TOLERANCES.** If material tolerances are not present, (and they frequently are not) inquire about the most critical dimensions. (R.M.A. Tolerances)
- **SAMPLE OF THE PART (IF AVAILABLE).**
- **MATERIAL SPECIFICATIONS OR POLYMER TYPE**
  - The full ASTM (American Society for Testing & Materials) call-out of the material is best
  - If the ASTM is not available, please provide specifications for:
    - Material:
    - Closed or open cell:
    - Shore 00 durometer:
    - Density:
    - Tensile. (die A):
    - Tear strength. (die C):
    - Elongation. (die A):
    - Compression deflection:
    - Compression set:
    - UL recognition:
    - FDA (or other requirements):
    - PSA (pressure sensitive adhesive, rubber or acrylic based):
    - Color:
- **TELL US ABOUT THE APPLICATION AND ENVIRONMENT WHERE THE PART WILL BE USED:**
  - Service temperature:
  - Chemical contact:
  - Ozone resistance:
  - Water absorption:
  - Combustion characteristics:
  - Application:
- **QUANTITY AND ESTIMATED ANNUAL USAGE:**
  - Do you require the parts all at once?
  - Is this a blanket order with periodic releases? At what intervals?
  - Is this a repetitive, ongoing order?
- **DELIVERY REQUIREMENTS:**
  - When do you need the first shipment?
  - What is your preferred shipping method?
- **PACKAGING REQUIREMENTS OTHER THAN STANDARD BULK PACK:**
  - Labels (part number, UPC)?
  - Bagged or boxed quantity?
- **TARGET :**
  - Current price and current supplier?

CONSTANTLY

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