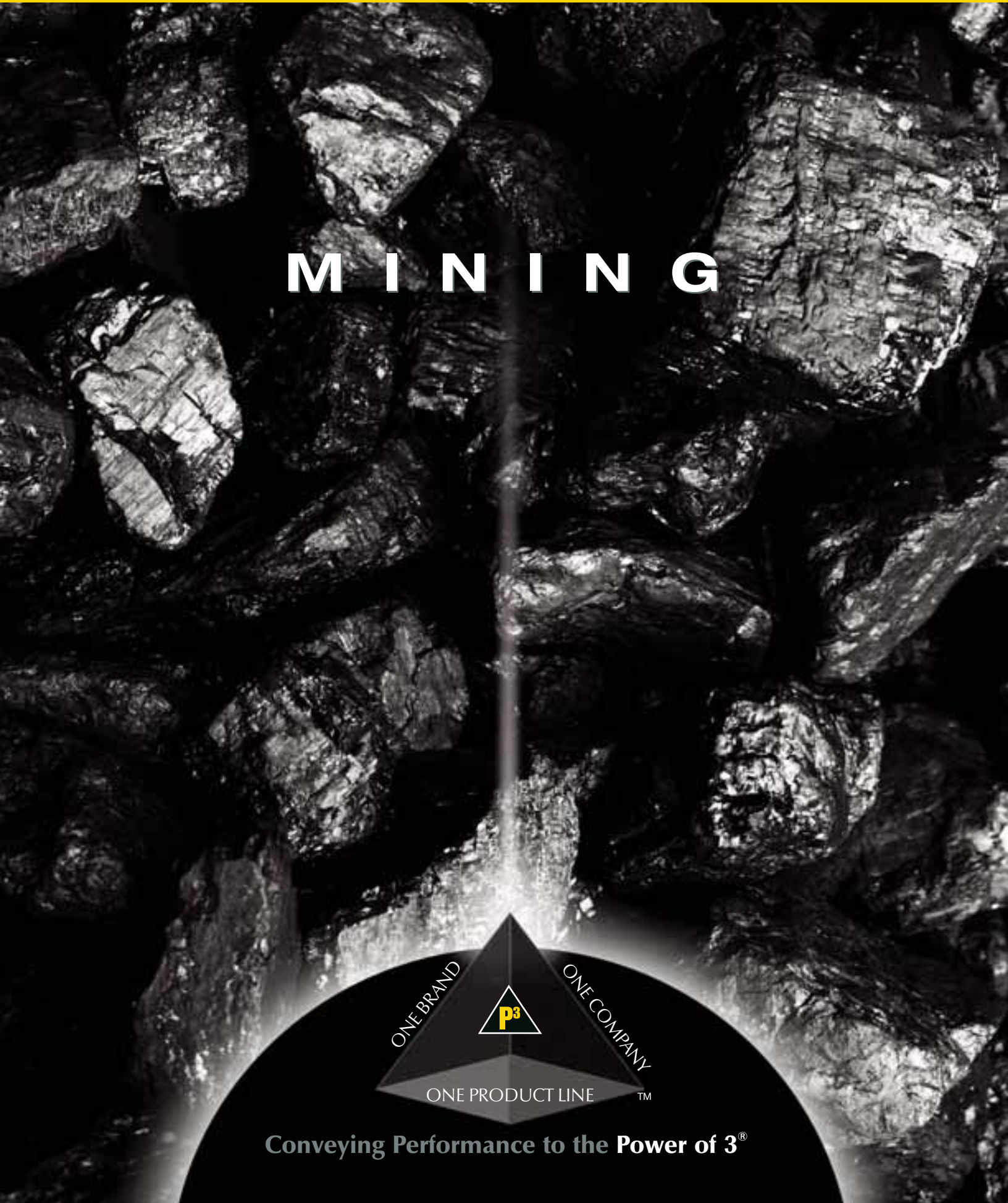
FENNER DUNLOP

CONVEYOR BELTING AMERICAS



Conveying Performance to the **Power of 3®**

Fenner Dunlop
produces the highest
quality fire-resistant,
anti-static rubber-plied,
straight-warp and steel
cord conveyor belting
for the Mining Industry.

SCANDURA & GEORGIA DUCK COMBINED

Long known throughout the Mining industry for its **Scandura** and **Georgia Duck** conveyor belt brands, **Fenner Dunlop Americas** has combined the best of both to produce a range of mining conveyor belts that consistently outperform the competition in rigorous above ground and below ground mining applications. But not only has Fenner Dunlop united the characteristics of both product lines, they have brought together over 200 years of manufacturing know-how, from five ISO 9001:2000 certified manufacturing facilities, to deliver measurable, sustainable results in the field, day in and day out.

Fenner Dunlop produces the highest quality fire-resistant, anti-static rubber-ply, straight-warp and steel cord conveyor belting for the Mining industry. Because Fenner Dunlop's core business is conveyor belting, focused attention is given to each belting order to ensure that the materials and processes used produce a belt that will assist the end-user in *reducing costs, avoiding costs and improving revenue*.

By weaving and treating its own fabrics, Fenner Dunlop can insure the integrity of its conveyor belting and monitor each step of the production process. To further expand production capabilities, Fenner Dunlop has invested in a new state-of-the-art textile facility which will house some of the most ultramodern equipment available today, including a highly advanced RFL fabric treater that spans eight stories high. The unique RFL treater will utilize a very different and improved process to maximize rubber to fabric adhesions, resulting in unsurpassed strength and durability. Pair this technology with advanced production equipment that will produce 96" steel cord belt and plied rubber belt and the result will be conveyor belting unmatched by any competition.

FENNER DUNLOP
CONVEYOR BELTING AMERICAS

Support available when you need it!

The formation of the **Mining Support Team** was a direct result of Fenner Dunlop's recognition that support begins before the purchase of a conveyor belt and does not end until the customer is satisfied with their belting purchase.

Many factors, such as the conveyor system, materials conveyed, safety measures, and conveying environment, are taken into consideration before an order is placed for a conveyor belt. The **Mining Support Team** provides a multitude of services to assist in belt selection, installation, maintenance and belt monitoring throughout the life of the belt.

Services include:

- **Belt Wizard™ advanced belt calculation program**
- **On-site surveys**
- **Product and Maintenance Training**
- **Application Engineering**
- **Technical Support**
- **Certified Splice Program**
- **EyeQ™ Belt Monitoring System**
- **rEscan™ Steel Cord Scanning Service**
- **X-ray Services**

PEOPLE PRODUCTS P3 TM
SOLUTIONS
CONVEYING PERFORMANCE TO THE POWER OF 3®

Operating Conditions Demand the Correct Cover Compound

Fenner Dunlop covers are designed for specific applications to ensure greater safety and belt life, which equates to cost savings and peace-of-mind for the customer. Each cover compound is derived and engineered from natural and/or synthetic rubber polymers to make the highest quality fire-resistant, anti-static conveyor belting.

FEATURES	MINING-FAR	MINING-FSAR	MINING-FFAR	MINING-FFSAR
• Meets MSHA Title 30, Section 18.65 Fire Retardant Conveyor Belting	▲	▲	▲	▲
• Underground use only, not designed for continuous ozone and ultraviolet exposure	▲	▲		
• Underground and Surface Use, Meets MSHA Title 30 requirements as well as UV and Ozone protection. Designed for slope as well as outside applications where MSHA certification is desired			▲	▲
• Excellent Abrasion Resistance, suitable for most mining applications	▲		▲	
• Premium Abrasion Resistance, For use in high trip rate and/or abrasive applications		▲		▲
• Premium Abrasion Resistance, Meets RMA Grade 1 for tensile and elasticity of compound as well as wear resistance. Suitable for abusive cut and abrasive applications				▲

ZR1™ (High Abrasion Rubber Compound)

Note: Surface Applications Only

- ▲ Designed for Fenner Dunlop's premium LongHaul™ mine duty surface belt
- ▲ Provides increased service life without increasing cover thickness
- ▲ Highest abrasion resistance in the industry
- ▲ Exceeds RMA Grade I requirements
- ▲ Suitable for applications not requiring MSHA approval per Title 30, Section 18.65

COVER COMPOUNDS continued

Specialty Compounds

As new mining safety standards are introduced, Fenner Dunlop's research and development has designed compounds to meet the proposed safety requirements of the B.E.L.T., Factory Mutual Specifications and ISO 340 for flame retardant conveyor belting.

Fenner Dunlop is able to supply covers which meet the fire performance requirements of several regulatory authorities such as CSA (Canadian Standards Association).

CSA-FF

- Fire Retardant cover compound with abrasion resistance for mining and industrial applications
- Meets Canadian Standards Association M422-M87 current specification for Grade C
- For surface applications

CSA-FFAR

- Fire Retardant cover compound with greater abrasion resistance for mining and industrial applications
- Meets Canadian Standards Association M422-M87 current specification for Grade C
- For surface applications

Fenner Dunlop's **Mining Support Team** is available to assist in selecting the cover compound that will maximize belt life. Each cover has carefully defined properties, which make it an outstanding choice for its intended service and Fenner Dunlop offers a multitude of additional compounds that may provide the best protection for your belting needs.

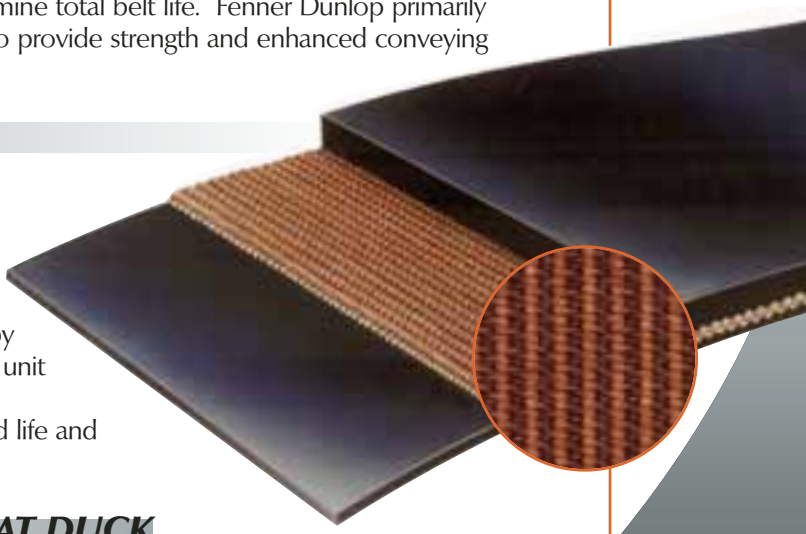
Contact a member of the Mining Support Team for special applications and/or cover compounds.

FABRIC CONSTRUCTION

Belt Strength Starts With Superior Fabric Construction

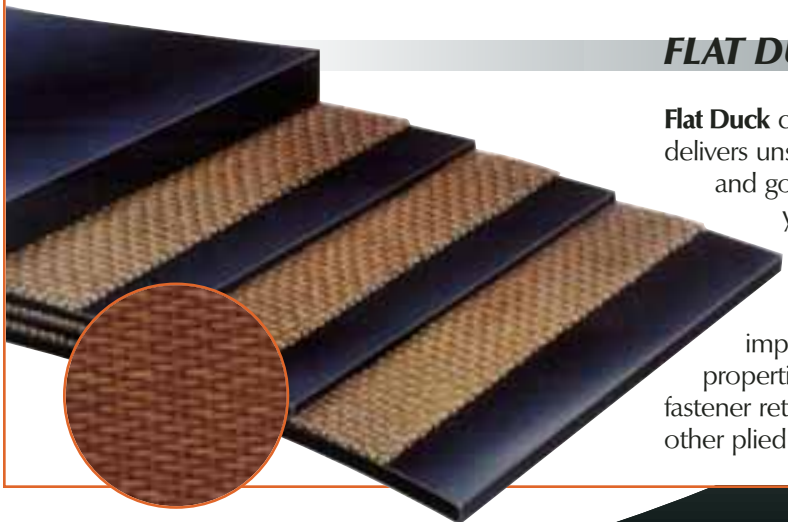
The proper carcass material in many applications will determine total belt life. Fenner Dunlop primarily utilizes two proven fabric constructions in its mining belts to provide strength and enhanced conveying performance.

STRAIGHT-WARP



Straight-warp construction, as used in **MineFlex**® belting, incorporates a unique concept that provides unrivaled rip, tear and impact resistance. Strength is concentrated length-wise and cross-wise in parallel planes of heavyweight, high-strength straight yarns, locked together by a unique binder system. The synthetic fibers yield a higher unit strength and exceptional resistance to abrasion, cutting and snagging. The result is high load-carrying capacity, extended life and very low stretch.

FLAT DUCK



Flat Duck construction, as used in **MineHaul**® belting, delivers unsurpassed resistance to abrasion, cutting and gouging due to the use of polyester warp yarns and nylon weft or crosswise yarns. The design offers the advantages of low overall stretch and excellent impact resistance from sharp objects and impingement from trapped materials. These properties along with excellent load support and fastener retention offers longer service life than most other plied belts in mining applications.

Maximum Rip, Tear, and Impact Resistance

MineFlex® combines the unique straight-warp carcass with specially compounded fire-retardant rubber covers. Straight-warp fabric, unlike conventional crimp weave fabrics, is a very unique weave process. The lengthwise and crosswise strength is concentrated in parallel planes of straight, heavyweight, high-strength synthetic yarns joined together by a unique binder system. The carcass binder system acts as a built-in breaker to resist impact and puncture.

Applications: *(where fire retardant belts may be mandatory)*

- Coal
- Copper
- Gold
- Limestone
- Potash
- Salt
- Trona
- Zinc
- Coal Preparation Plants

Reasons to Count on MineFlex®

- Maximum belt strength and low stretch even with large loads
- Superior troughability, tracking and load support due to balanced covers
- Unsurpassed impact resistance up to 3 times greater than traditional plied belting
- Greater flexibility than plied belts – Available in single or dual unit carcass
- Up to 5 times more longitudinal rip resistance than standard reduced ply constructions
- Superior carcass adhesion
- Resistant to moisture, mildew and acid mine water
- State-of-the-art Finger Splice Technique prolongs belt life
- Meets MSHA standards for flame retardance
- Available in polyester and nylon constructions

MINEFLEX® SPECIFICATIONS

BELT STYLE	S4	S5	D5	D6	D8	D10	D12	D15
NUMBER OF PLIES	1	1	2	2	2	2	2	2
TENSION RATING								
CARCASS GAUGE (INCHES)	0.151	0.169	0.234	0.269	0.301	0.321	0.38	0.39
CARCASS WEIGHT (LBS/IN/FT)	0.074	0.083	0.098	0.123	0.132	0.148	0.165	0.168
IMPACT RATING * (FT-LBS)	1170	1375	1560	1820	2185	2450	2745	3050
RIP	7400	8200	7200	9200	9800	9200	9200	11000
MODULUS	45000	50000	45000	50000	60000	70000	85000	92000
CONVEYOR	**MINIMUM PULLEY DIAMETER**							
81%-100% TENSION	20	20	24	30	36	36	36	36
61%-80% TENSION	18	18	20	24	24	30	30	30
UP TO 60% TENSION	16	16	18	20	20	24	24	24
	MINIMUM BELT WIDTH (INCHES) FOR EMPTY BELT TROUGHING							
IDLER TYPE								
20º	24	24	24	24	30	30	30	30
35º	30	30	30	30	36	36	36	36
45º	36	36	36	36	42	42	42	42
	MINIMUM BELT WIDTH (INCHES) FOR LOAD SUPPORT							
20º IDLER								
0-40 #CUFT	84	84	84	84	84	84	84	84
41-80 #CUFT	72	72	84	84	84	84	84	84
81-120 #CUFT	66	72	84	84	84	84	84	84
OVER 120 #CUFT	60	66	72	72	84	84	84	84
35º IDLER								
0-40 #CUFT	72	72	84	84	84	84	84	84
41-80 #CUFT	60	66	72	84	84	84	84	84
81-120 #CUFT	54	60	66	72	84	84	84	84
OVER 120 #CUFT	48	54	60	72	84	84	84	84
45º IDLER								
0-40 #CUFT	60	66	72	84	84	84	84	84
41-80 #CUFT	54	60	72	84	84	84	84	84
81-120 #CUFT	48	54	60	72	84	84	84	84
OVER 120 #CUFT	42	48	54	66	72	72	84	84

[1] Maximum impact is based on 10% lumps, with 90% fines (or sized material, up to 4" lumps), plus the use of the appropriate rubber idlers and good design of the loading and transfer conditions. If these conditions are not met, fully, down-rate impact to one-half (or less) than that shown.

[2] Troughability and Load Support Tables can be influenced by certain cover gauge and compound combinations used.

[3] Tension Ratings reflect a minimum 10:1 per ply safety factor. With the appropriate selection & installation, a minimum of 4:1 safety factor can be applied with mechanical fasteners.

[4] Add gauge of both covers to carcass gauge to obtain the overall gauge.

[5] Add carcass weight to appropriate cover weight to obtain the total belt weight (In pounds per inch of width per linear foot of length).

MINEHAUL® ...Stable, Flexible & DEPENDABLE!

Unsurpassed Abrasion, Cut, and Gouge Resistance

MineHaul® is Fenner Dunlop's premium multi-ply conveyor belt designed specifically for the heavy duty mining industry. An exceptional synthetic ply construction combined with highly engineered cover compounds are designed to handle loads in the toughest mining applications. **MineHaul**® has a proven history in the mining industry for dependability and performance, delivering very low stretch, superior load support and excellent troughability.

Applications: *(where fire retardant belts may be mandatory)*

- Coal
- Copper
- Gold
- Limestone
- Potash
- Salt
- Trona
- Zinc
- Coal Preparation Plants

MineHaul® - When You Need the Right Belt for the Job

- Low stretch
- Excellent troughability and load support
- Greater flexibility than other traditional plied belts
- Excellent mechanical fastener retention
- Resistant to moisture, mildew and acid mine water
- Uses traditional diagonal lapped splice or fingers
- Excellent adhesion between the covers and plies
- Available in poly/nylon, poly/poly, and nylon/nylon constructions
- Meets MSHA standards for flame retardance

LONGHAUL™ ...Mine Duty Surface Belt With Endurance!

Outstanding trackability, stable performance and dependability

LongHaul™ belting is designed for moderate to severe surface conveying applications when the rip, tear and impact resistance of MineFlex® belting is not required. LongHaul™ comes standard with our premium **ZR1™** compound which exhibits excellent tensile and superior abrasion resistance. The Fenner Dunlop designed polyester warp, nylon weft fabric is designed for outstanding trackability, stable performance and dependability in mine duty surface applications. From 400 PIW to 2000 PIW, LongHaul™ covers the breadth of heavy duty fabric belting.

Applications: (surface duty only)

- Coal Preparation Plants
- Refuge
- Overland/Transfer Conveyors
- Surface Mining

Performance You Can Measure

- Excellent load support
- Low stretch
- Resistant to abrasion, cutting, gouging and tearing
- Outstanding fastener retention
- Longer service life than most other plied belts in surface applications
- Decreased downtime
- More material conveyed
- Savings to the bottom line!

	MH	MH	MH	MH	MH	MH/LH	MH/LH
BELT STYLE	**3-400**	**4-500**	**2-300**	**3-500**	**4-600**	**2-400**	**3-600**
NUMBER OF PLIES	**3**	**4**	**2**	**3**	**4**	**2**	**3**
TENSION RATING	400	500	300	500	600	400	600
CARCASS GAUGE (INCHES)	0.197	0.246	0.15	0.183	0.252	0.178	0.225
CARCASS WEIGHT (LBS/IN/FT)	0.086	0.109	0.065	0.08	0.113	0.082	0.108
IMPACT RATING * (FT-LBS)	730	1035	665	875	1250	805	1005
LENGTHWISE RIP	1200	1400	500	1500	2100	1200	2000
MODULUS	35000	40000	37000	47000	57000	44000	72000
CONVEYOR	**MINIMUM PULLEY DIAMETER**						
81%-100% TENSION	20	28	18	22	28	20	24
61%-80% TENSION	18	24	16	18	24	18	20
UP TO 60% TENSION	16	20	14	16	20	16	18
	MINIMUM BELT WIDTH (INCHES) FOR EMPTY BELT TROUGHING						
IDLER TYPE							
20º	20	30	18	24	30	20	28
35º	24	30	20	30	36	24	30
45º	30	36	28	36	42	30	36
	MINIMUM BELT WIDTH (INCHES) FOR LOAD SUPPORT						
20º IDLER							
0-40 #CUFT	72	84	60	72	84	66	84
41-80 #CUFT	60	72	54	60	84	60	72
81-120 #CUFT	54	66	48	54	72	54	66
OVER 120 #CUFT	48	60	42	48	66	48	60
35º IDLER							
0-40 #CUFT	60	72	54	66	84	60	72
41-80 #CUFT	60	66	48	60	72	54	60
81-120 #CUFT	54	60	42	54	66	48	54
OVER 120 #CUFT	42	54	36	42	54	42	48
45º IDLER							
0-40 #CUFT	60	72	48	60	72	54	66
41-80 #CUFT	54	60	42	54	66	48	60
81-120 #CUFT	48	54	36	48	60	42	54
OVER 120 #CUFT	36	48	30	36	54	36	42

[1] Maximum impact is based on 10% lumps, with 90% fines (or sized material, up to 4" lumps), plus the use of the appropriate rubber idlers and good design of the loading and transfer conditions. If these conditions are not met, fully, down-rate impact to one-half (or less) than that shown.

[2] Troughability and Load Support Tables can be influenced by certain cover gauge and compound combinations used.

MH/LH 4-800 4	MH/LH 5-1000 5	MH/LH 2-500 2	MH/LH 3-750 3	MH/LH 4-1000 4	MH/LH 5-1250 5	MH/LH 2-600 2	MH/LH 3-900 3	MH/LH 4-1200 4	MH/LH 5-1500 5	MH/LH 2-1000 2	MH/LH 3-1500 3	MH/LH 4-2000 4
800	1000	500	750	1000	1250	600	900	1200	1500	1000	1500	2000
0.308	0.391	0.192	0.246	0.365	0.426	0.176	0.276	0.376	0.476	0.268	0.414	0.56
0.153	0.196	0.086	0.115	0.162	0.208	0.077	0.128	0.181	0.234	0.114	0.186	2.52
1290	1455	915	1110	1300	1480	915	1130	1340	1555	1300	1400	1750
2500	3200	2000	2200	4000	3400	2000	2200	3500	3800	3200	4000	4250
82000	105000	62000	72000	100000	98000	63000	94000	100000	108000	85000	108000	134000
28	36	20	24	28	40	20	28	36	48	36	42	48
24	32	18	20	24	32	18	22	30	36	30	36	42
20	26	16	18	20	28	16	18	24	30	24	30	36
30	36	24	30	36	42	28	30	36	48	36	42	48
36	42	30	36	42	48	30	36	42	54	42	48	54
42	48	36	42	48	54	36	42	48	60	48	54	60
84	84	72	84	84	84	72	84	84	84	84	84	84
84	84	66	72	84	84	72	84	84	84	84	84	84
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72	84	54	60	72	84	54	66	72	84	66	84	84
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72	72	54	60	72	84	54	60	72	84	60	84	84
60	66	48	54	66	72	48	54	66	84	54	72	84
72	84	60	72	84	84	66	72	84	84	72	84	84
72	84	54	66	72	84	54	66	72	84	66	84	84
60	72	48	54	60	84	48	60	66	84	60	72	84
54	66	42	48	54	72	42	54	60	72	54	72	72

[3] Tension Ratings reflect a minimum 10:1 per ply safety factor. With the appropriate selection & installation, a minimum of 4:1 safety factor can be applied with mechanical fasteners.

[4] Add gauge of both covers to carcass gauge to obtain the overall gauge.

[5] Add carcass weight to appropriate cover weight to obtain the total belt weight (In pounds per inch of width per linear foot of length).

Custom Designed Means an Ideal Match for Your Needs

Fenner Dunlop understands the importance of reliable conveyor belting operations. We are the world's leader in supplying the right belt to do the best job, whether the belt is loading coal into a ship or lifting copper ore from an open pit mine. Every belt we make is backed by our experience and reputation.

DynaFlight® Steel Cord Belting is made to withstand the toughest applications. These belts deliver real performance carrying the roughest loads, over the longest distances, and at the highest tensions.

DynaFlight® is manufactured with specially designed and coated cables to maximize adhesion and minimize corrosion. These features are necessary to withstand the rigors of heavy duty, bulk material handling. **DynaFlight®** is ideally suited for high tension/low-stretch applications such as overland conveying systems. **DynaFlight®** steel cord belts are carefully constructed and pre-tensioned to ensure the best possible tracking on long hauls of bulk material.

Dynacord Breakers are a special feature available upon request. Dynacord Breakers provide active rip and penetration protection and extends belt life.

For additional protection, Fenner Dunlop offers two highly advanced Electronic Rip Detection Systems. The **Rip Ranger** and **EyeQ™** systems will give you confidence and comfort knowing your belt line is protected and unexpected damage will be kept to a minimum.

Your Best Investment for Long Hauls Of Bulk Material

Quality is at the core of Fenner Dunlop's reliability. Carefully selected raw materials for DynaFlight® steel cord belting are processed on the most advanced equipment available. These components are assembled into a precisely engineered belt which is inspected at every stage of production to make sure that there is strict adherence to our stringent specifications and ISO 9001:2000 certification.

Fenner Dunlop knows that the service you get from your belt begins with our attention to precise dimensional tolerances, equal cord tensioning and the highest quality materials. This assures a durable finished belt that tracks straight and is problem-free.

Experience You Can Trust

Conveyor belt recommendations made by Fenner Dunlop are based on in-depth technical knowledge of conveyor operations and belting designs. Fenner Dunlop brings a century of experience with the benefits of the latest computer technology to assure optimum belt design. Cord construction, cord diameter, cord pitch, cover thickness, belt style, safety factors and Dynacord Breakers are carefully selected to match tension, impact, spliceability, and geometrical demands of the conveyor system. Furthermore, Fenner Dunlop gives special consideration to material costs and load demands to produce the highest quality belt at the most economical price. Combine this with our history of product quality, technical expertise and hands-on experience and you can see why we promise that you will have confidence in DynaFlight® Steel Cord Belting.

Fenner Dunlop covers are engineered to meet the service requirements of any operation and to deliver the best possible performance.

Rugged Belt for Long, Rugged Loads

Dynacord Breakers Extend Belt Life

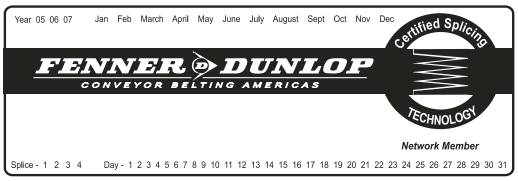
When a belt gets added abuse because of severe loading conditions or difficulty in maintaining good housekeeping, Dynacord Breakers protect the belt from crushing impacts or penetration by sharp objects. By increasing rip and penetration resistance, Dynacord Breakers pay for themselves in extended belt life.

Choose the Cover Best Suited To Your Operation

Fenner Dunlop covers are engineered to meet the service requirements of any operation and to deliver the best possible performance. Each cover has carefully defined properties, which make it an outstanding choice for its intended service. Careful cover selection is essential to maximize belt life. Fenner Dunlop will help you select the cover, which provides the best protection for your belting needs.

Consider These Advantages

- *High Capacity* – High belt speeds and deep troughing keep materials moving.
- *Straight Tracking* – Belts are pre-tensioned during manufacture with alternating S & Z twist cords.
- *Minimum Load Disturbance* – High tensile strength means transfer points are reduced or eliminated and loads are conveyed smoothly, without surges, over the idlers.
- *Maximum Impact Resistance* – The strength of steel is combined with the toughness of highest quality cover compounds.
- *Unsurpassed Durability* – Careful construction using corrosion resistant zinc coated cords, tightly adhering cord bonding rubber, all protected with a hard wearing cover means extra long belt life on the job.
- *Meets MSHA standards for flame retardance* – MSHA and CSA cover compounds available for specific operating conditions.



Splicing and Scanning Services Reduce Downtime and Lost Production

Certified Splicing Program

Value added services continue to make the difference in winning and maintaining customer business in a competitive market. Fenner Dunlop Americas recognizes the importance of equipping its distributor network with the tools necessary to provide competent field service to their end-users. Fenner Dunlop has established a **Certified Splicing Program** to educate its distributor network.

As a leader in conveyor belt technology, Fenner Dunlop has developed splicing systems that have been engineered and field-proven to ensure optimum conveying. A wide range of textiles and elastomers are used in the manufacturing of Fenner Dunlop's high performance conveyor belt lines. Authorized distributors are accredited through Fenner Dunlop's Certified Splice Program in specific areas of training which include Plied, Straight-warp, and Steel Cord belting to ensure your belt is installed with the correct Fenner Dunlop splice.

The **Certified Splice School** program is based on field experience and certification classes. Attendees are trained in the latest splice procedures and material usage for Fenner Dunlop conveyor belting. The Fenner Dunlop Splice Management team customizes each training session to ensure that participants increase their skill level and knowledge base in the areas needed to improve their level of service to their customers.

Belt Condition Monitoring For Peace of Mind

With the emergence of new technologies, Fenner Dunlop Americas continually searches for innovative ways to provide total solutions-based service programs for the end-user. Fenner Dunlop offers diagnostic and belt scanning/monitoring services that will detect and alert customers of potential belt damage and failure in steel cord belting.

EyeQ™, The Intelligent Belt Monitoring System

EyeQ™ is the most advanced combined rip detection and continuous belt monitoring system in the world. Called **EyeQ™** because it utilizes a sophisticated computer system giving users instant access to information about the conveyor belt condition and works in concert with the conveyor's control system to sound an alarm or stop the belt should any significant damage occur. The system is based on the principle of magnetic flux leakage.

EyeQ™
the intelligent steel cord belt MONITORING SYSTEM

The program carries a recording of the conveyor belt's magnetic signature. The information received from the sensor is constantly compared to this recording and any changes are highlighted. There are configurable outputs within the system, which can be set to alarm or trip at various levels of damage, dependent on customer requirements.

The **EyeQ™** system uses 'panels' of small diameter steel cord mounted in the belt at a uniform spacing. The belt scanning system can detect when these panels are 'ripped' and can shut the conveyor system down.

The benefits of installing **EyeQ™** can be enormous. Continuous belt monitoring gives operators much tighter control over finances by enabling them to recognize potential trouble spots and take affirmative action before costly, and in some cases, unnecessary damage occurs.

rEscan Technology

Fenner Dunlop's newest business unit**, rEscan™,** provides monitoring systems and services for the detection of early splice failure, cord/strand breaks, cord corrosion and carcass defects in steel cord belting. **rEscan™** monitoring systems use a combination of specially developed software, purpose built hardware and NDT methodologies including; magnetic flux leakage, ultrasonics, laser and inductive methods for the monitoring and detection of conveyor belt defects.

rEscan™ has developed different system levels to accommodate individual customer needs:

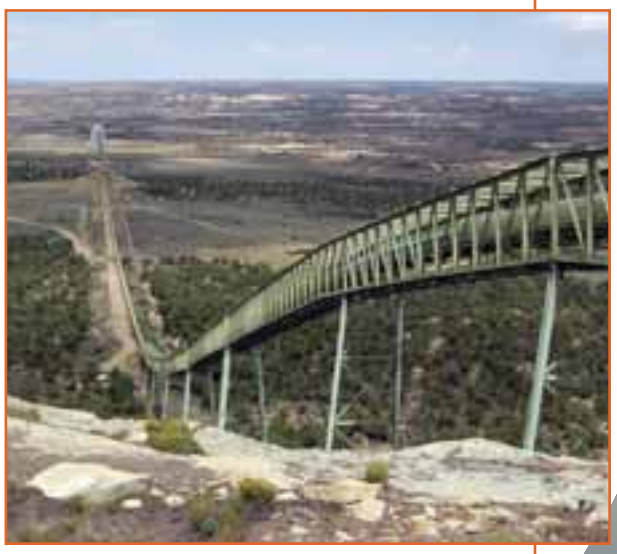
rEscan™ Remote Scanning System

The rEscan™ Remote Conveyor Belt Monitoring System is a permanently installed conveyor diagnostics tool designed for the analysis of splice condition, lay-up, cord damage, and cord corrosion without the need to stop production.

Steel cords are magnetized within the belting then measured for the amount of magnetic flux leakage within the belt. As the belt passes by the transducer, a signal is sent directly to a **rEscan™ Remote** computer system. Via VPN access, data is downloaded, analyzed and an electronic report is sent to tell you the location of damage within your belt with millimeter precision.

rEscan™ Full Manual Scanning System

rEscan™ Manual Scanning involves a trained **rEscan™ Technician** to travel on-site and perform a full longitudinal scan, condition inspection, cover profiles and life predictions of the conveyor belt. Requiring two to six hours of belt isolation, the scanning service can be carried out in one full day. A detailed report will be compiled to identify all locations of damage within your belt.



rEscan™ AIM System

An **Analogue Inductive Meter (AIM)** can quickly and accurately ascertain cover thickness on steel cord conveyors. This device uses an Inductive Proximity Probe to accurately measure the thickness of rubber from the steel cord layer. Ultrasonic thickness testing is used for the measuring of fabric and solid woven belting. Once a **rEscan™ Technician** has performed at least two contiguous sets of cover profiles, a cover life prediction can be made.

rEscan™ SMS System

The **Splice Monitoring System (SMS)** is a permanently installed diagnostics tool designed to monitor all types of joints in fabric and in solid woven conveyor belting.

The **rEscan™ SMS** system monitors the length of each splice as it passes the sensor. This distance can be accurately measured (left, center and right). Should any splice fall outside allowable limits, **rEscan™ SMS** can alert onsite personnel who can then inspect the identified joint/s.

Pulsed Digital X-ray Service

Fenner Dunlop performs **Pulsed Digital X-ray** inspections to visualize and quantify anomalies found in a scan. Clear images displayed in "real time" at 16, 383 levels of gray allow for close inspection to determine the best course of action. Unlimited x-rays can be done and stored for later comparison. No hazardous chemicals are used.

Mining Sales:
(800) 537-4483
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Steel Cord and Export Sales:
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(705) 645-2228

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Contact your authorized Fenner Dunlop Distributor for any and all of your conveyor and elevator belting applications.

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