ASGCO®
Complete Conveyor Solutions

PROVIDING THE WORLD'S MATERIAL HANDLING INDUSTRY WITH EFFICIENT, SAFE AND PRODUCTIVE "COMPLETE CONVEYOR SOLUTIONS".

HEAVY DUTY CONVEYOR BELTING




ASGCO® is one of the largest stocking distributors of conveyor belts in the United States!

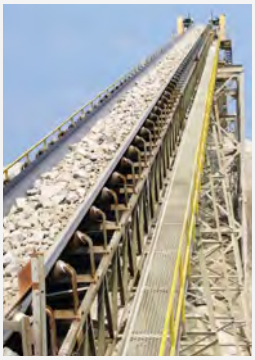
ASGCO® is proud to be one of the largest stocking distributors of conveyor belt in the United States. We represent the highest quality conveyor belt manufacturers from around the world to assist our customers in helping make their plant/mine/facility to become more efficient, safe and productive.
As a conveyor belt products distributor, with over 250,000 feet of conveyor belt in stock, ASGCO® is committed to providing all of your conveyor belt product requirements.

- **We stock and install any conveyor belt for your facility.**
- **We stock 18” through 84” wide conveyor belting.**

QUARRY-DUTY™

Designed tough, to work tough!

ASGCO’s Quarry-Duty™ plied conveyor belting is compounded to provide excellent abrasion resistance and long service life. These belts are normally seen in crushed stone (aggregates), limestone, cement, recycling, wastewater, steel and in the wood industry.



MINE-PLUS™

Engineered for tough above and underground mining!

ASGCO’s Mine-Plus™ conveyor belts are constructed with either standard or straight warp fabrics and special covers for coal-power generation, coal preparation plants and other types of above and underground mining applications.

QUARRY-FLEX®

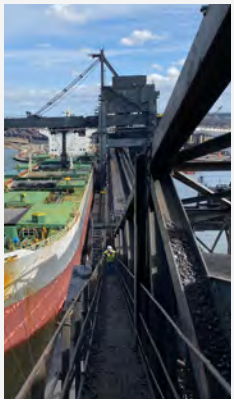
The best impact and rip resistant conveyor belting!

ASGCO’s Quarry-Flex® straight warp conveyor belt is engineered to provide excellent rip, tear and impact resistance as seen in hard rock mining, granite, trap rock, recycling, limestone and other conveyor applications hauling heavy, large sharp materials.

STEEL-FLEX®

High strength conveyor belting!

ASGCO’s Steel-Flex® steel cord conveyor belts are engineered for high strength, long-distance and large tonnage conveyor transportation of materials, which are widely seen in bulk shipping port facilities, large mining applications and long-distance conveyor systems.



ASGCO® CONVEYOR BELT COVER CHART

Cover Type	Int'l Standard Cover Grades	ASGCO Cover Grades	Minimum Tensile Strength (PSI)	Minimum Elongation at Break (%)	Maximum Abrasion Loss (mm3)	Application Characteristics	Reference Materials
General Purpose	DIN - Z	DIN Z	2200	350	250	Suitable for conveying moderately abrasive materials	Aggregates, sand, gravel, wood chips
	RMA 2	RMA 2	2200	400	200		
	ARPM RMA 2	AR2	2200	400	175		
Abrasion Resistance	RMA 1	RMA 1	2500	400	150	Suitable for conveying large sharp lumps, sharp edged rugged materials	Lime stone, iron ore, coal
	DIN - Y	DIN - Y	2900	400	150		
Rip, Tear and Abrasion Resistant	ARPM RMA 1	ARPM RMA 1	2500	400	125		
	DIN -X	RIP X	3600	450	120	High cut and gouge properties with excellent abrasion resistance	Trap rock, granite, hard rock, metal ores
	DIN - W	AR1	2600	400	90		
	CU	CU	2250	450	40	High cut and gouge resistance with acid resistance.	Copper ore handling
Above ground Fire Resistant	MSHA-2G	MSHA-2G	2200	350	190	Moderate resistance to flame for above ground applications	Coal, minerals, metal ores
	FR DIN-K	FR DIN-K	2465	400	175	Moderate resistance to flame for above ground applications	Coal, minerals, metal ores
	FR-110	FR-110	2500	400	110	Moderate resistance to flame for above ground applications, high abrasion resistance	Coal, minerals, metal ores
Underground Fire Resistant	MSHA Part 14	MSHA Part 14	2200	400	200	Excellent resistance to flame, suitable for underground mining	Underground coal
Heat Resistant	500F EPDM	HTR	2500	400	175	Good resistance to heat	Clinker, coke, foundries
	700F Kevlar	700F Kevlar	2500	400	175	Excellent resistance to heat	Pet. coke, clinker, foundries
Oil Resistant	MOR	MOR	1800	350	175	Moderate resistance to oily products	Pulp and Paper, seeds
	SOR	SOR	2500	350	200	Excellent resistance to oily products	Fertilizers, oil coated products

QUARRY-DUTY™
CONVEYOR BELTING

Designed tough, to work tough!

- **ASGCO®'s Quarry-Duty™** plied conveyor belting is specifically designed for outstanding abrasion resistance and long life.
- Available in 2, 3, 4 or 5 ply constructions
- Offers high abrasion resistance and low-stretch tension member
- Maximized adhesion between plies and covers
- Safety factor greater than 10:1

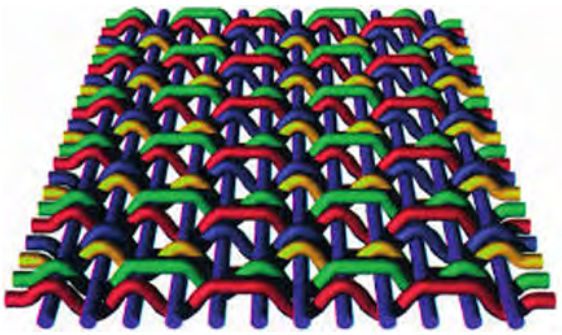
PRODUCT APPLICATIONS

Our **Quarry-Duty™** conveyor belts are widely used in industries such as crushed stone (aggregates), limestone, cement, recycling, steel and in the wood industry.

BENEFITS

- Exceptionally high adhesion levels ensures a long lasting bond between covers and plies.
- Compounds developed to perform in tough and rigorous applications providing high wear resistance to abrasive materials.
- Custom cover compounds are available to meet specific application needs.

PLAIN WEAVE



Traditional weave (warp/fill over and under)

Our **Quarry-Duty™** belt carcasses are distinguishable from the competition by their high adhesion, lower elongation and field performance. Our compounds have been engineered to protect the belt not only from wear and tear but, just as importantly, the aging and flex properties, which actually determine the longevity of the belt.

COVER COMPOUNDS

AR1

- Cover compound is engineered for high impact applications, where cutting, gouging and tearing of the covers is a primary concern.
- Ultimate high tensile strength rubber compounds that combines the best of impact and abrasion resistance.
- Meets ASTM DIN W (90 mm3) standards, surpassing RMA Grade 1 specifications.

AR2

- Cover compound is designed for excellent abrasion, cut and gouge resistance.
- Recommended for most abrasive conveying applications, such as aggregates, limestone, recycling, sand and gravel.
- Meets ASTM DIN Y (150 mm3) standards, exceeding RMA Grade II requirements.

MSHA-2G

- Fire retardant and abrasion-resistant compound that meets ARPM-FR Class 2 standards
- Recommended for us in power generation facilities, above ground coal or non-coal mining and coal prep plants.
- FR2 is fully resistan to ozone, UV, and abrasion.

HTR

- Recommended for cement, clinker, frac sand, refineries, mineral processing and chemical plants.

COVER CHARACTERISTICS

Compound Widths	24" to 84" Wider Available on Request
Carcass Variety Available	EP / NN
Common Belt Rating	110 to 2000 PIW
Number of Plies	2-Ply to 5-Ply
Rubber Cover Thickness	Minimum 1/16" to 1"
Edge	Cut Edge / Molded Edge
Splicing Method	Vulcanizing / Cold / Mechanical
Packing Available in	Single Roll or Cassette
Belt Identification	Unique Product Identification Number (Pin) Every 33' ft

QUARRY-DUTY ™ SPECIFICATIONS CHART

Carcass Style	2 - 220		3 - 330		4 - 440		3 - 600		4 - 800		5-1000	
Number of Plies	2		3		4		3		4		5	
Description	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**
Carcass Gauge (in/mm)	.102	2.6	.167	4.25	.232	5.9	.209	5.3	.33	8.4	.350	8.9
Carcass Weight (lb/in/ft / kg/m)	.054	2.7	.081	2.032	.100	6.7	.108	5.5	.152	9.2	.196	5.8
Elastic Modulus (lbs/N/mm)	22840	4000	35974	6300	45681	8000	59956	10500	79942	1400	833	2000
Max Tension Rating (PIW / N/mm)	220	39	330	58	440	77	600	105	800	140	1000	175
Troughing/Empty-Min Belt Width (in/mm)												
20° idlers	18	508	24	711	30	750	36	900	42	1050	42	1066
35° idlers	24	600	30	750	36	900	40	1,000	48	1200	42	1066
Load Support - Max Belt Width (in/mm)												
20° idlers (0-40 lbs/ft / 0-640 kg/m)	48	1200	60	1500	70	1800	84	2150	84	2150	84	2150
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	42	1050	54	1400	66	1700	72	1800	84	2150	84	2150
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	36	900	48	1200	60	1500	66	1700	84	2150	84	2150
35° idlers (0-40 lbs/ft / 0-640 kg/m)	42	1050	54	1400	54	1800	72	1800	84	2150	84	2150
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	36	900	48	1200	48	1500	60	1500	72	1800	84	2150
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	30	750	42	1050	42	1400	54	1400	66	1700	72	1800
Minimum Pulley Diameters (in/mm)												
81 - 100% belt rated tension	12	300	20	500	24	600	24	900	30	900	36	900
61 - 80% belt rated tension	10	250	16	400	20	508	20	750	24	750	30	750
Up to 60% belt rated tension	8	200	12	300	16	400	16	600	20	600	20	500

QUARRY-FLEX®

CONVEYOR BELTING

The best impact and rip resistant conveyor belting!

ASGCO®'s QUARRY-FLEX® straight warp conveyor belt is engineered to provide excellent rip, tear and impact resistance as seen in hard rock mining, granite, trap rock, limestone and other conveyor applications hauling heavy, large sharp materials.

The unique construction of the belt, special cushion, and 'cover' rubber ensure superior impact resistance and higher longitudinal flexibility of the belt while guaranteeing a very low elongation at working load compared to conventional EP/NN fabric belts.

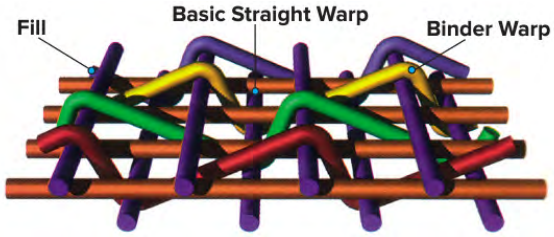
- Impact and rip resistance up to three times of standard multi-ply belts of equivalent rating.
- High strength and minimal stretch or elongation when conveying large loads.
- Safety factor greater than 10:1.
- A1™ (ARPM Grade 1) cover compound is designed for high impact applications where cutting, gouging and tearing of the cover is a primary concern.

PRODUCT APPLICATIONS

QUARRY-FLEX® Belt is ideally suited for the following applications:

- Heavy impact applications e.g. primary crushers
- Material fall height exceeding 6.5' (2m)
- Lump size more than 4" (100mm)
- Long haul applications
- Conveyors susceptible to presence of tramp material

STRAIGHT WARP



ASGCO® QUARRY-FLEX® belts are manufactured using a specially designed fabric having high tenacity, straight warp threads and dense weft yarn construction. These belts are available in single or two ply constructions and in strength rating from 180 to 1800 PIW i.e. 315 to 3150 kn/m.

COVER COMPOUNDS

AR1

- Cover compound is designed for high impact applications, where cutting, gouging and tearing of the covers is a primary concern.
- Ultimate high tensile strength rubber compounds that combines the best of impact and abrasion resistance.
- Meets ASTM DIN W (90 mm3) standard specification which exceeds RMA Grade 1 requirements.

AR2

- Cover compound is designed for good abrasion, cut and gouge resistance.
- Recommended for most abrasive conveying applications, such as aggregates, limestone, recycling, sand and gravel.
- Meets ASTM DIN Y (150 mm3) standard specification which exceeds RMA Grade II requirements.

MSHA-2G

- Fire retardant/abrasion resistant compound that meets ARPM-FR Class 2
- Recommended for power generation facilities, above ground coal or non-coal mining and coal prep plants.
- FR2 is fully ozone, UV and abrasion resistant.

HTR

- Recommended for cement, clinker, frac sand, refineries, mineral processing and chemical plants.

COVER CHARACTERISTICS

Compound Widths	24" to 72" Wider Available on Request
Carcass Variety Available	EP / NN / Kevlar
Common Belt Rating	1-Ply Construction: 180/1, 220/1, 280/1, 330/1, 440/1 & 550/1 PIW 2-Ply Construction: 330/2, 440/2, 660/2, 800/2, 1000/2 & 1200/2 PIW More available on application
Number of Plies	1-Ply or 2-Ply
Rubber Cover Thickness	For 1-Ply Belts: 2:1 Cover Ratio (min 1/8" bottom cover) For 2-Ply Belts: 3:1 Cover Ratio (min 1/8" bottom cover)
Edge	Cut Edge / Molded Edge
Splicing Method	Vulcanizing / Cold / Mechanical
Packing Available in	Single Roll or Cassette
Belt Identification	Unique Product Identification Number (Pin) Every 33' ft

QUARRY-FLEX® SPECIFICATIONS CHART

Carcass Style	1-330		1-440		2-500		2-660		2-800		2-1000		2-1200		2-1500	
Number of Plies	1		1		2		2		2		2		2		2	
Description	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
Carcass Gauge (in/mm)	0.132	3.34	0.152	3.85	0.244	6.2	0.244	6.2	0.268	6.8	0.327	8.3	0.386	9.8	0.446	11.3
Carcass Weight (lb/in/ft / kg/m)	0.041	2.42	0.056	3.3	0.103	6.07	0.104	6.1	0.103	6.06	0.136	8	0.158	9.3	0.188	11.05
Elastic Modulus (lbs/N/mm)	40000	71000	48000	8400	44000	7700	50000	8250	56000	9800	68000	11900	82000	14350	95000	16625
Max Tension Rating (PIW / N/mm)	330	600	440	800	550	1000	660	1200	800	1400	1200	2000	1200	2500	1500	3100
Troughing/Empty-Min Belt Width (in/mm)																
20° idlers	20	500	24	600	24	600	30	750	30	750	30	750	30	750	30	750
35° idlers	24	600	30	750	30	750	36	900	36	900	36	900	36	900	36	900
45° idlers	30	750	36	900	36	900	36	900	42	1050	42	1050	42	1050	42	1050
Load Support - Max Belt Width (in/mm)																
20° idlers (0-40 lbs/ft / 0-640 kg/m)	72	1800	84	2100	84	2100	72	1800	72	1800	84	2100	96	2400	84	2100
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	66	1670	72	1800	84	2100	72	1800	72	1800	84	2100	96	2400	84	2100
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	60	1500	66	1670	84	2100	72	1800	72	1800	84	2100	96	2400	84	2100
35° idlers (0-40 lbs/ft / 0-640 kg/m)	66	1700	72	1800	84	2100	72	1800	72	1800	84	2100	96	2400	84	2100
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	30	760	60	1500	72	1800	72	1800	72	1800	96	2400	96	2400	84	2100
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	24	600	54	1400	66	1700	60	1500	60	1500	96	2400	96	2400	84	2100
Minimum Pulley Diameters (in/mm)																
81 - 100% belt rated tension	14	360	20	500	24	600	30	800	30	800	42	1050	48	1200	36	900
61 - 80% belt rated tension	12	300	16	400	20	500	24	600	24	600	30	750	42	1050	30	750
Up to 60% belt rated tension	9	220	12	300	15	380	20	500	20	500	24	600	30	750	24	600

MINE-PLUS™

MINE-PLUS™ CONVEYOR BELTING

Engineered for tough above and underground mining!

ASGCO's MINE PLUS™ conveyor belts are constructed with either standard or straight warp fabrics and special covers for coal-power generation, coal preparation plants and other types of above and underground mining applications. ASGCO has developed our MINE PLUS™ line of conveyor belting that exceeds FR MSHA 2G fire retardant compounds to combat the harshest coal handling, power generating environments and non-underground coal mining environments.

HEAVY DUTY STRAIGHT WARP CONVEYOR BELTING

Carcass Style	1-440		2-660		2-800		2-1200	
Number of Plies	1		2		2		2	
Description	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**
Carcass Gauge (in/mm)	0.152	3.85	0.244	6.2	0.268	6.8	.347	8.3
Carcass Weight (lb/in/ft / kg/m)	.044	3.3	.117	6.1	.124	6.06	.162	8
Elastic Modulus (lbs/N/mm)	48000	8400	50000	8750	56000	9800	82000	14350
Max Tension Rating (PIW / N/mm)	440	800	660	1200	800	1400	1200	2000
Troughing/Empty-Min Belt Width (in/mm)								
20° idlers	24	600	30	900	36	900	36	1050
35° idlers	30	750	36	1050	36	1050	36	1200
Load Support - Max Belt Width (in/mm)								
20° idlers (0-40 lbs/ft / 0-640 kg/m)	84	2150	84	2150	84	2150	84	2150
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	72	1800	84	2150	84	2150	84	2150
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	66	1700	84	2150	84	2150	84	2150
35° idlers (0-40 lbs/ft / 0-640 kg/m)	72	1800	84	2150	84	2150	84	2150
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	60	1500	84	2150	84	2150	84	2150
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	54	1400	72	1800	84	2150	84	2150
Minimum Pulley Diameters (in/mm)								
81 - 100% belt rated tension	20	500	30	750	36	700	36	900
61 - 80% belt rated tension	18	450	24	600	24	600	30	750
Up to 60% belt rated tension	16	400	20	500	20	500	24	600

COVER COMPOUNDS

FR2 MSHA 2G is a fire retardant compound that meets MSHA FR and DIN K (150) requirements.
FR2 MSHA 2G - AR1 is a fire retardant compound that has excellent abrasion resistance (DIN 110) and meets MSHA FR requirements.
FR2 MSHA 2G - PART 14 meets MSHA FR underground requirements.

Available in 4 carcass constructions: Standard Plied, Heavy-Duty Straight warp, Kev-Flex and Steel-Flex.

- Fabric carcasses from 330 to 1500 PIW
- Compounds formulated to reduce belt curling and hardening
- Low rolling resistance bottom covers also available

COVER CHARACTERISTICS

Compound Widths	24" to 84" Wider Available on Request
Carcass Variety Available	EP / NN / Kevlar
Common Belt Rating	440 - 1200 PIW
Number of Plies	1, 2, 3, 4, 5
Rubber Cover Thickness	1-Ply Belts 2:1, 2-Ply Belts 3:1, 3-Ply Belts 4:1
Edge	Cut Edge / Molded Edge
Splicing Method	Vulcanizing / Cold / Mechanical
Packing Available in	Single Roll or Cassette
Belt Identification	Unique Product Identification Number (Pin) Every 33' ft

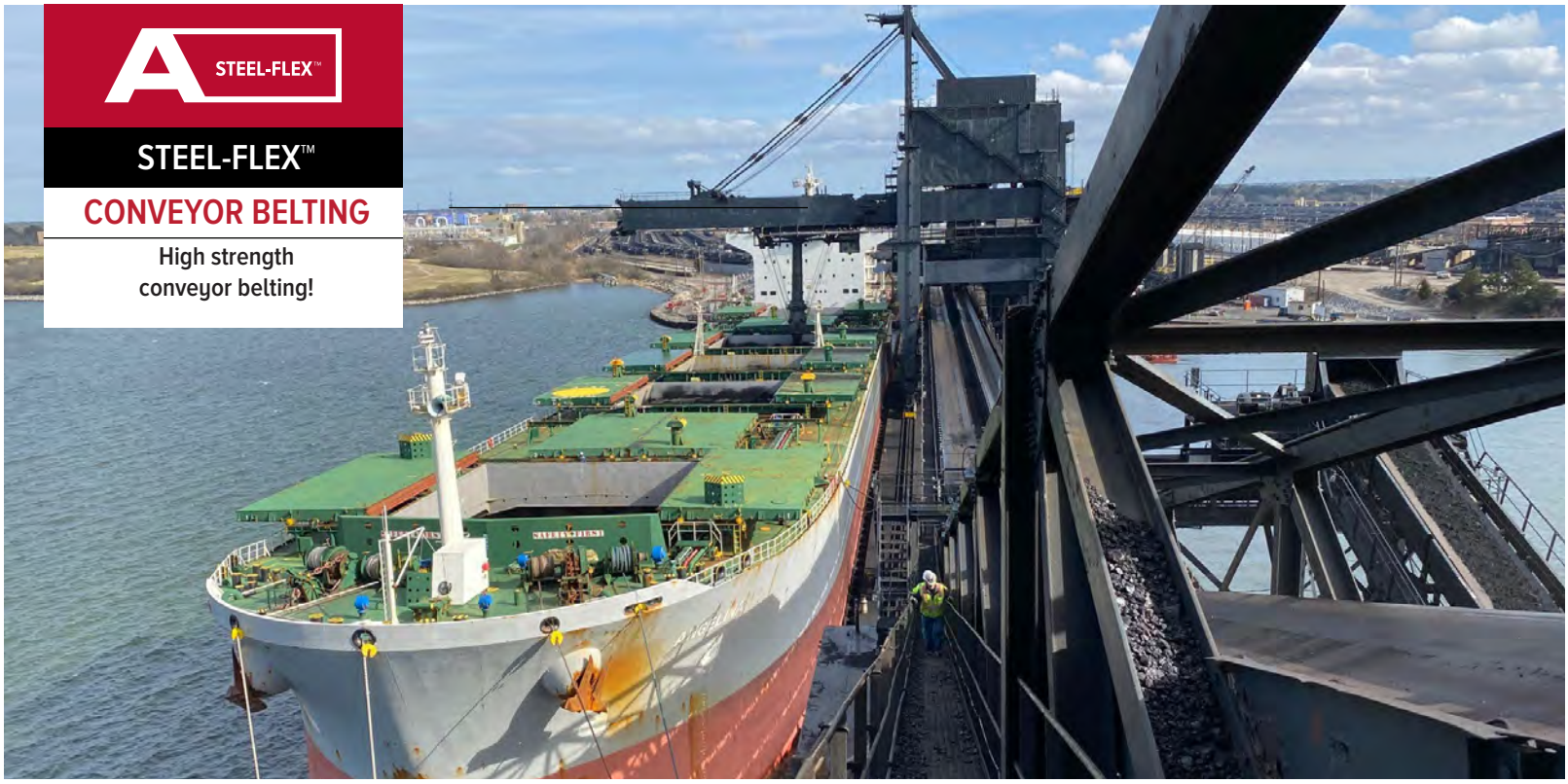
EP FABRIC CONVEYOR BELTING

Carcass Style	4-440		3-600		4-800		5-1000	
Number of Plies	4		3		4		5	
Description	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**	**Imperial**	**Metric**
Carcass Gauge (in/mm)	.213	5.41	.260	6.604	.354	8.99	.350	8.89
Carcass Weight (lb/in/ft / kg/m)	5.8	8.63	6.3	9.375	8.9	13.24	11.5	17.11
Elastic Modulus (lbs/N/mm)	48000	9625	50000	12600	66600	14350	83300	18375
Max Tension Rating (PIW / N/mm)	440	77	600	105	800	140	1,000	175
Troughing/Empty-Min Belt Width (in/mm)								
20° idlers	24	600	28	700	30	750	36	900
35° idlers	30	750	30	750	36	900	42	1,050
Load Support - Max Belt Width (in/mm)								
20° idlers (0-40 lbs/ft / 0-640 kg/m)	72	1800	84	2150	84	2150	84	2150
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	66	1700	72	2150	84	2150	84	2150
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	60	1500	66	2150	84	2150	84	2150
35° idlers (0-40 lbs/ft / 0-640 kg/m)	72	1800	72	1800	84	2150	84	2150
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	60	1500	60	1500	84	2150	84	2150
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	54	1400	54	1400	72	1800	72	1800
Minimum Pulley Diameters (in/mm)								
Drive: 81 - 100% belt rated tension	24	700	24	750	30	900	36	1050
Snub: 61 - 80% belt rated tension	20	550	20	600	24	750	30	900
Bend: Up to 60% belt rated tension	18	500	18	500	20	600	26	750

STEEL-FLEX™

STEEL-FLEX™ CONVEYOR BELTING

High strength conveyor belting!



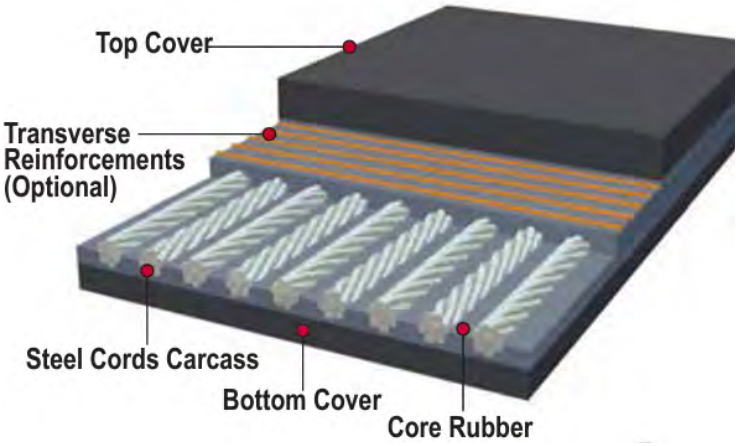
ASGCO®'s STEEL-FLEX® steel cord conveyor belts are engineered for high strength, long-distance and large tonnage conveyor transportation of materials, which are widely seen in bulk shipping port facilities, large mining applications and long-distance conveyor systems.

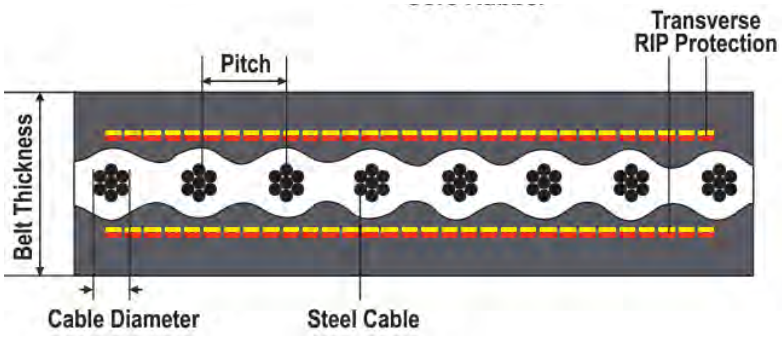
PRODUCT BENEFITS

ASGCO®'s STEEL-FLEX® is designed to perform in the following application:

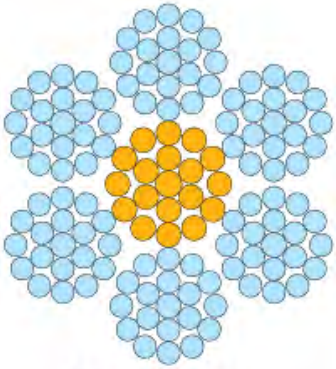
- High Tension conveyors
- Long haul conveyors, overland conveyors
- Heavy duty elevator belts

PRODUCT CHARACTERISTICS





The bond between the core rubber and the metallic surfaces as well as the complete filling of the spaces between the wires are essential for the long-term integrity of the belt carcass. The open cross-lay design ensures that the rubber penetrates thoroughly.



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COVER COMPOUNDS

COVER COMPOUNDS

FR2 MSHA 2G is a fire retardant compound that meets MSHA FR and DIN K (150) requirements.
FR2 MSHA 2G - AR1 is a fire retardant compound that has excellent abrasion resistance (DIN 110) and meets MSHA FR requirements.
FR2 MSHA 2G - PART 14 meets MSHA FR underground requirements.

Available in 4 carcass constructions: Standard Plied, Heavy-Duty Straight warp, Kev-Flex and Steel-Flex.

- Fabric carcasses from 330 to 1500 PIW
- Compounds formulated to reduce belt curling and hardening
- Low rolling resistance bottom covers also available

COVER CHARACTERISTICS

Compound Widths	24" to 96" Wider Available on Request
Carcass Variety Available	Steel Cable
Common Belt Rating	500 to 5000 PIW
Number of Plies	N/A
Rubber Cover Thickness	1-Ply Belts 2:1, 2-Ply Belts 3:1, 3-Ply Belts 4:1
Edge	Molded Edge Only
Splicing Method	Splice per ASGCO ® Recommendation
Packing Available in	Single Roll or Cassette
Belt Identification	Unique Product Identification Number (Pin) Every 33' ft

STEEL-FLEX ™ SPECIFICATIONS CHART

Strength Grade	Tensil Strenth (KN/m)	Cord Pitch		Cord Diameter		Min. Breaking Force (KN)	Min. Cover Thickness	
		in	mm	in	mm		in	mm
ST-500	500	.40	10	.10	2.5	5.5	.16	4
ST-630	630	.40	10	.11	2.8	7	.16	4
ST-800	800	.40	10	.12	3	8.9	.16	4
ST-1000	1000	.50	12	.15	3.7	12.9	.16	4
ST-1250	1250	.50	12	.16	4.2	16.1	.16	4
ST-1400	1400	.50	12	.17	4.3	18	.16	4
ST-1600	1600	.50	12	.19	4.7	20.6	.16	4
ST-2000	2000	.50	12	.21	5.3	25.6	.16	4
ST-2250	2250	.50	12	.21	5.3	29	.16	4
ST-2500	2500	.60	15	.27	6.8	40	.20	5
ST-2800	2800	.60	15	.28	7	44.8	.20	5
ST-3150	3150	.60	15	.31	7.8	50.5	.21	5.5
ST-3500	3500	.60	15	.32	8.2	56	.23	6
ST-4000	4000	.60	15	.35	8.8	63.5	.26	6.5
ST-4500	4500	.63	16	.38	9.7	76.3	.28	7
ST-5000	5000	.70	17	.43	10.9	91	.30	7.5