

QUARRY-FLEX® CONVEYOR BELTING



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



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.

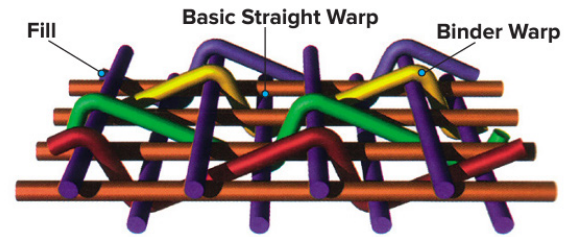
- Impact and rip resistance up to three times of standard multi-ply belts of equivalent rating.
- High strength and minimal stretch or elongation when conveying large loads.
- Safety factor greater than 10:1.
- A1™ (ARPM Grade 1) cover compound is designed for high impact applications where cutting,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



QUARRY-FLEX®

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Conveyor Belting!

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



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.

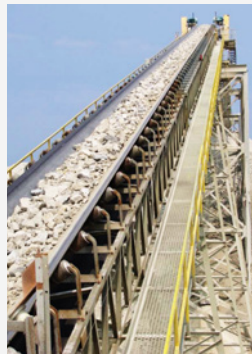
- We stock and install any conveyor belt for your facility.
- We stock 18” through 84” wide conveyor belting.

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.

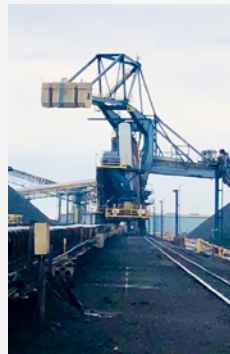


MINE-PLUS™



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.

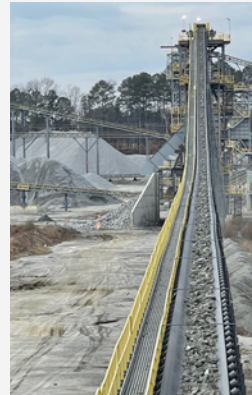


QUARRY-FLEX®



The best impact and rip resistant conveyor belting!

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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.

