

QUARRY-DUTY™ CONVEYOR BELTING



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



# 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

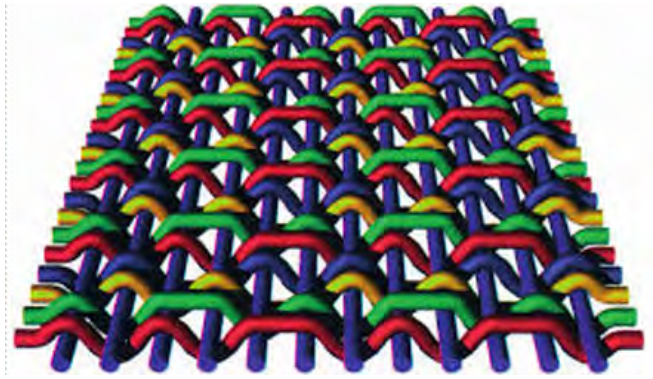
### PRODUCT APPLICATIONS

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.



**QUARRY-DUTY™**

**CONVEYOR BELTING**

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to work tough!



## 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 mm<sup>3</sup>) 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 mm<sup>3</sup>) standards, exceeding RMA Grade II requirements.

### MSHA-2G

- Fire retardant and abrasion-resistant compound that meets ARPM-FR Class 2 standards
- Recommended for use in power generation facilities, above ground coal or non-coal mining and coal prep plants.
- FR2 is fully resistant 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
<b>Carcass Gauge</b> (in/mm)	.102	2.6	.167	4.25	.232	5.9	.209	5.3	.33	8.4	.350	8.9
<b>Carcass Weight</b> (lb/in/ft / kg/m)	.054	2.7	.081	2.032	.100	6.7	.108	5.5	.152	9.2	.196	5.8
<b>Elastic Modulus</b> (lbs/N/mm)	22840	4000	35974	6300	45681	8000	59956	10500	79942	1400	833	2000
<b>Max Tension Rating</b> (PIW / N/mm)	220	39	330	58	440	77	600	105	800	140	1000	175
<b>Troughing/Empty-Min Belt Width</b> (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
<b>Load Support - Max Belt Width</b> (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
<b>Minimum Pulley Diameters</b> (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





# 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.

