



ASGCO[®]

Complete Conveyor Solutions

QUARRY-FLEX™
Conveyor Belting

The Best Impact
and Rip Resistant
Conveyor Belting

Need Solutions...*to improve efficiency, safety and productivity?* **ask... ASGCO**[®]

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QUARRY-FLEX™ CONVEYOR BELTING



The Toughest Belt with the Best Splice and Warranty in the Industry!

ASGCO®'s **QUARRY-FLEX™** straight warp conveyor belt is engineered to provide excellent rip, tear and impact resistance as seen in hard rock mining (limestone, granite, trap rock and other aggregates) and recycling applications.

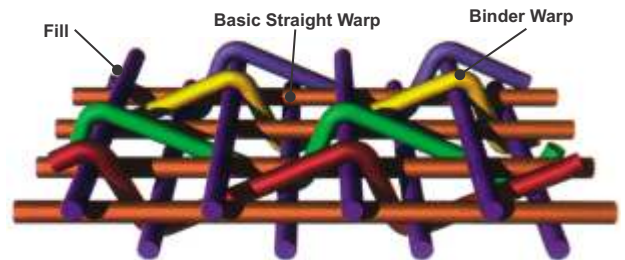
- Impact and rip resistance up to **three times** of standard multi-ply belts of equivalent rating
- High strength and minimal stretch or elongation when conveying large loads.
- Safety factor greater than 10:1.
- A1™ (ARPM Grade 1) cover compound is designed for high impact applications where cutting, 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 6" (150mm)
- Long haul applications
- Conveyors susceptible to presence of tramp material

STRAIGHTWARP



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.

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

In several applications, **QUARRY-FLEX™** belts are a preferred alternative to steel cord belts as they provide an inherent protection against rip and tear and at the same time offer excellent impact resistance and low elongation in service

QUARRY-FLEX™ Heavy Duty Straightwarp Conveyor Belting

Carcass Style	1 - 440		2 - 500		2 - 660		2 - 800		2 - 1000		2 - 1200	
Number of Plies	1		2		2		2		2		2	
Description	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
Carcass Gauge (in/mm)	0.152	3.85	0.232	5.9	0.244	6.2	0.268	6.8	0.327	8.3	0.386	9.8
Carcass Weight (lb/in/ft / kg/m)	0.056	3.3	0.097	5.7	0.104	6.1	0.103	6.06	0.136	8	0.158	9.3
Elastic Modulus (lbs/in N/mm)	77,658	13,600	97,072	17,000	116,487	20,400	135,901	23,800	194,145	34,000	242,681	42,500
Max Tension Rating (PIW / N/mm)	440	800	500	1000	660	1200	800	1400	1200	2000	1200	2500
Troughing / Empty - Min Belt Width (in/mm)												
20° idlers	24	600	30	750	36	900	36	900	42	1050	42	1050
35° idlers	30	750	36	900	42	1050	42	1050	48	1200	48	1200
Load Support - Max Belt Width (in/mm)												
20° idlers (0-40 lbs/ft / 0-640 kg/m)	54	1350	72	1800	72	1800	72	1800	84	2100	96	2400
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	54	1350	72	1800	72	1800	72	1800	84	2100	96	2400
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	48	1200	72	1800	72	1800	72	1800	84	2100	96	2400
35° idlers (0-40 lbs/ft / 0-640 kg/m)	54	1350	72	1800	72	1800	72	1800	84	2100	96	2400
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	48	1200	72	1800	72	1800	72	1800	96	2100	96	2400
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	48	1200	60	1500	60	1500	60	1500	96	2100	96	2400
Minimum Pulley Diameters (in/mm)												
81 - 100% belt rated tension	20	500	30	800	30	800	30	750	42	1050	48	1200
61 - 80% belt rated tension	16	400	24	600	24	600	24	600	30	750	42	1050
Up to 60% belt rated tension	12	300	20	500	20	500	20	500	24	600	30	750

COVER COMPOUNDS

1 (ARPM Grade 1)

- 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.

A2 (ARPM Grade II)

- 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 (150 mm³) standard specification which exceeds RMA Grade II requirements.

FR2 (ARPM Grade II)

- 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.

HT2 (ARPM Grade II)

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



ASGCO® “Complete Conveyor Solutions”

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