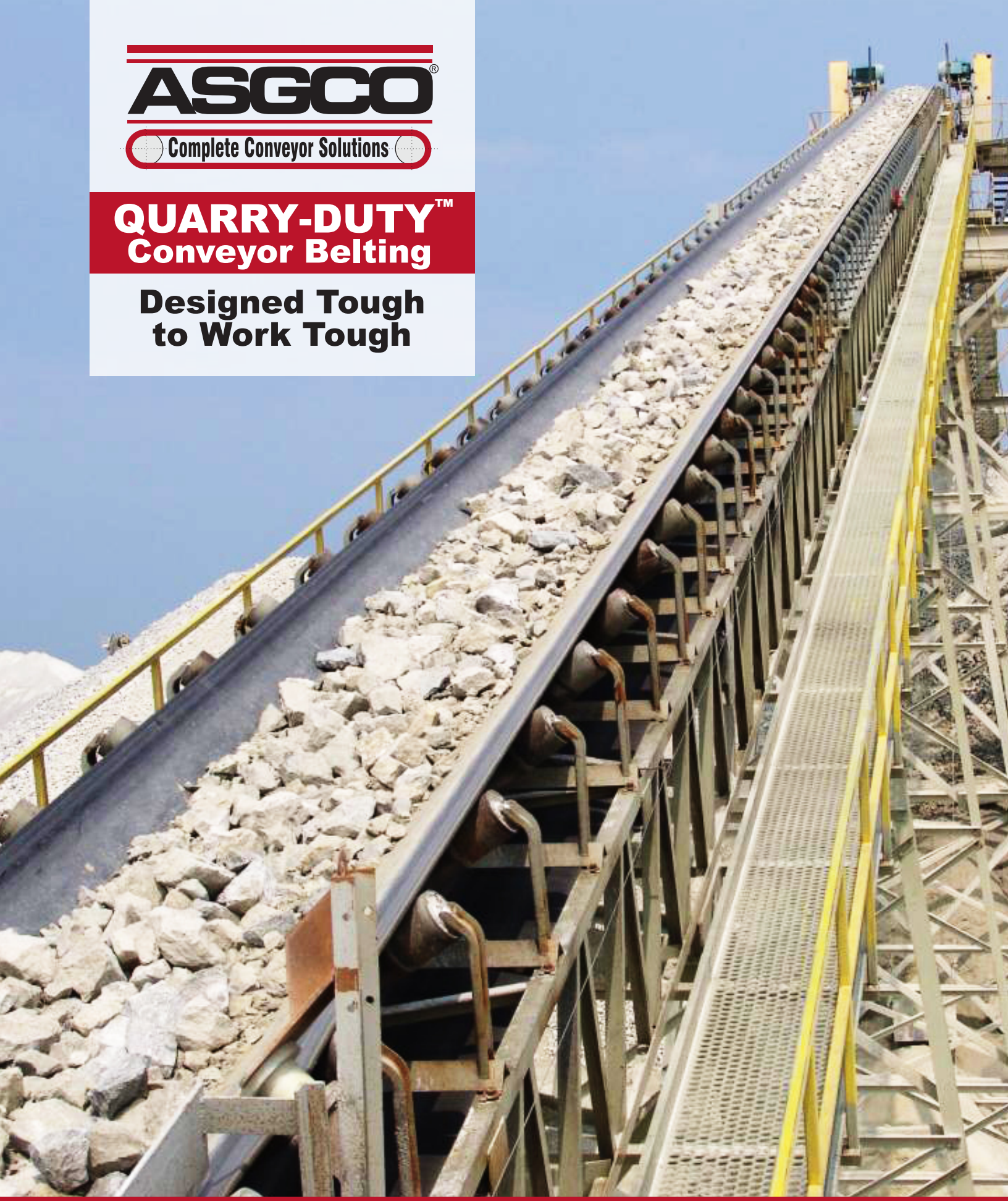
ASGCO®

Complete Conveyor Solutions

QUARRY-DUTY™ Conveyor Belting

Designed Tough to Work Tough



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

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QUARRY-DUTY™ CONVEYOR BELTING

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

ASGCO®'s Quarry-Duty™ plied conveyor belting is compounded to provide excellent abrasion resistance.

- *Available in 2, 3 or 4 ply constructions*
- *High abrasion resistance and low-stretch tension member*
- *Greatest adhesion between plies and covers*
- *Safety factor greater than 10:1*

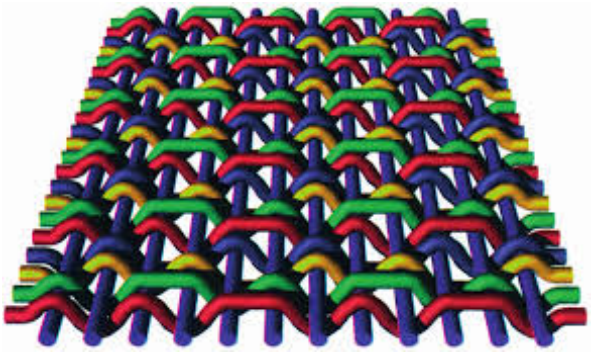
PRODUCT APPLICATIONS:

Our **Quarry-Duty™** Belts are used in Aggregate Quarries, Recycling, Steel Plants, Cements Industries, Ports, Power Plants, and other Bulk Material Handling Industries.

BENEFITS:

- Designed tough to work tough
- Exceptionally high adhesion levels provide an enduring bond between covers and plies.
- Compounds developed to perform in tough and rigorous applications providing high wear resistance to abrasive materials.
- Special custom cover compounds available.

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 as importantly the aging and flex properties, which actually determine the longevity of the belt.

Characteristics:

- Belt Rating - 110 to 1800PIW
- No. if Plies - 2ply to 7 ply
- Rubber Cover Thickness - 1/16" to 1"
- Splicing Method - Hot/Cold/Mechanical

QUARRY-DUTY™										
Carcass Style	2 - 220		3 - 330		4 - 440		3 - 600		4 - 800	
Number of Plies	2		3		4		3		4	
Description	**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
Carcass Weight (lb/in/ft / kg/m)	.046	2.7	.08	2.032	.111	6.7	.96	5.5	.157	9.2
Elastic Modulus (lbs/in N/mm)	22,840	4,000	35,974	6,300	45,681	8,000	59,956	10,500	79,942	1,400
Max Tension Rating (PIW / N/mm)	220	400	330	660	440	800	600	1,050	800	1,400
Troughing / Empty - Min Belt Width (in/mm)										
20° idlers	18	508	24	711	30	750	36	900	42	1050
35° idlers	24	600	30	750	36	900	40	1000	48	1200
Load Support - Max Belt Width (in/mm)										
20° idlers (0-40 lbs/ft / 0-640 kg/m)	60	1500	84	2100	96	2400	96	2400	96	2400
20° idlers (41-80 lbs/ft / 641-1280 kg/m)	54	1400	72	1800	96	2400	96	2400	96	2400
20° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	48	1200	72	1800	84	2100	84	2100	84	2100
35° idlers (0-40 lbs/ft / 0-640 kg/m)	54	1400	72	1800	84	2100	84	2100	96	2400
35° idlers (41-80 lbs/ft / 641-1280 kg/m)	48	1200	60	1500	72	1800	84	2100	84	2100
35° idlers (81-120 lbs/ft / 1281 - 1920 kg/m)	48	1200	60	1500	72	1800	72	1800	72	1800
Minimum Pulley Diameters (in/mm)										
Drive: 81 - 100% belt rated tension	12	300	20	500	30	750	24	600	36	900
Snub: 61 - 80% belt rated tension	10	250	16	400	24	600	20	508	30	750
Bend: Up to 60% belt rated tension	8	200	12	300	20	500	16	400	24	600

COVER COMPOUNDS:

AR1 (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 mm^3) standard specification which exceeds RMA Grade 1 requirements.

AR2 (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 (175 mm^3) 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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