



MAXX ROCK™

High Impact & High Tear Resistant Belts

Product Feature:

Oriental has launched their MAXX ROCK range of belts to address the problems faced due to high impact, high tear in certain conveying applications. Typically, belts which are used for handling rocks in primary crushers suffer from continuous loading resulting in carcass fatigue and shortened belt life. Conventional multi-ply EP/NN belts are not able to withstand such abuse.

Our R&D team has developed the MAXX ROCK belts consisting of a specially designed fabric having high tenacity, MAXX ROCK threads and dense weft yarn construction. These belts are made in single or two ply construction and in strength rating from 315 KN/ M to 1000 KN/ M per single ply.

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

In several applications, MAXX ROCK belts are a preferred alternative to steel cord belts as they provide an inherent protection against rip and tear and at the same time offering excellent impact resistance and low elongation in service.

Benefits of MAXX ROCK:

- Endures most rigorous applications with extreme impact resistance.
- Low elongation at working load results in trouble free operation.
- Highest Tear resistance upto 5 times greater than conventional multi-ply belts.
- Lower belt weight compares favorably to equivalent steel cord ratings, thereby reducing installation and operating costs.
- Excellent Load support and troughability.

- Very good longitudinal flexibility - works on smaller pulleys.
- Excellent suitability to mechanical splicing.
- Energy saving due to low weight to strength ratio.

Product Characteristics:

Width	: 500 to 1800 mm
Ply	: One or Two ply
Carcass Variety Available	: Special MAXX ROCK
Belt Rating	: In one Ply Construction: MR 315/1, 400/1, 500/1, 630/1, 800/1, 1000/1
	: In two Ply Construction: MR 630/2, 800/2, 1000/2, 1200/2, 1600/2, 2000/2
Rubber Cover Compounds	: Oriental recommends HAR or SAR cover grades. Other grades available on request.
Rubber Covers Thickness	: For 1 ply belt : 2: 1 cover ratio (minimum 3 mm bottom cover)
	: For 2 ply belts : 3: 1 cover ratio (minimum 3 mm bottom cover)
Rubber	: Black
Surface Finish	: Smooth
Edge	: Cut Edge / Molded Edge
Minimum Pulley Diameter	: Please refer table on the next page
Splicing Method	: Mechanical splice / Hot finger splice
Packing Available in	: Single Rolls of 300 M; higher rolls on request
Belt Identification	: "MR" as a prefix after designated grade of the belt. Unique Product Identification Number (PIN) at every 10 meters.

Product Application:

The MAXX ROCK Belt is ideally suited for the following applications:

- High impact applications e.g. rocks in primary crushers.
- High fall height of material.
- High lump size upto 500 mm and higher.
- Long haul applications with low elongation.
- High speed unloading and feeder applications prone to presence of tramp material.
- Scrap recycling plants, log decks.



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Belt Rating	No. of Plies	Nominal Carcass Thickness, mm	Nominal Carcass weight, kg/sq. mt	Tear strength, N	Rip Resistance, N	Minimum Recommended Pulley Diameter (mm)		
						Drive	Snub	Bend
MR 400	1	2.30	1.86	1800	1360	250	200	160
MR 400	2	5.30	4.70	2600	840	630	500	400
EP 400	4	4.10	5.00	450	830	500	400	315
MR 500	1	2.30	1.86	1800	1360	250	200	160
EP 500	4	4.70	5.50	500	1050	500	400	315
MR 630	1	3.14	2.14	2760	1530	400	315	250
MR 630	2	5.45	5.10	3800	1870	630	500	400
EP 630	4	5.10	6.00	680	1200	630	500	400
MR 800	1	3.85	2.90	5400	1700	500	400	315
MR 800	2	6.00	5.80	2850	1700	800	630	500
EP 800	4	5.70	6.30	1300	1300	630	500	400
MR 1000	1	4.13	3.30	1250	1050	500	400	315
MR 1000	2	6.00	5.80	2850	1700	800	630	500
EP 1000	4	6.50	7.20	1600	1970	800	630	500
MR 1200	2	7.70	6.40	6000	1920	1000	800	630
EP 1250	4	7.60	7.60	1800	1830	1000	800	630
MR 1600	2	8.50	7.95	8000	2360	1000	800	630
EP 1600	4	9.30	10.60	1950	1950	1250	1000	800
MR 2000	2	9.70	8.68	4000	2158	1250	1000	800

Belts suitable only for vulcanised joints also available on request.