

MAXX TUFF (GENERAL PURPOSE BELTS)

Product Feature:

MAXX TUFF belts are designed to suit a wide range of applications for bulk material handling. The cover rubber grades are specially designed with enhanced cut, gouge & wear properties. MAX TUFF belts are normally used for transporting crushed rock, limestone, coal, iron ore, sand, cement, wood chips, furnace slag, aggregate etc.

Oriental's MAXX TUFF Conveyor belts are extensively used in mining and mining related industries, including steel, non ferrous metal plants, cement plants, thermal power plants, quarrying and aggregate processing and several industrial and agricultural applications.

Our world class infrastructure enables us to manufacture large quantities with ease and our belts are known for their consistent, silk smooth finish.

Benefits of MAXX TUFF Belts:

- Designed tough to work tough.
- Made on world class manufacturing equipment.
- 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.
- Exceptional Cut and Gouge Resistance to negotiate heavy impact of large size lumps and sharp material.
- Carcass quality and design maintains belt troughability and longitudinal flexibility.
- Easy to splice using standard materials.

Product Application:

MAXX TUFF Belts are to be used in ambient operating conditions in Mines, Steel Plants, Cement Industries, Ports, Power Plants, Crushing Units, Quarries etc.



Product Characteristics:

Common Widths	: 500 mm to 2000 mm (higher width on request)
Carcass Variety Available	: EP / NN / PP
Common Belt rating	: 200 to 2500 KN/M
No. Of plies	: 2 ply to 6 ply
Rubber Cover Grades	: please refer to table of cover properties
Rubber Cover Thickness	: Minimum 1.0 mm to 20 mm
Rubber	: Black
Surface Finish	: Smooth both sides
Edge	: Cut Edge or Molded Edge
Splicing Method	: Hot / Cold / Mechanical splice
Packing Available in	: Single Rolls or Cassette
Belt Identification	: Unique Product Identification Number (PIN) at every 10m.

MAXX TUFF Cover Grades:

Cover Type	Standard & Grade	Minimum Tensile Strength (Mpa)	Minimum Elongation at Break (%)	Minimum Abrasion Loss (mm ²)	Application Characteristics	Reference Material
General	DIN-X	25	450	120	It has high tensile strength. Suitable for conveying large lumps, sharp edged rugged materials	Iron Ore, Coal, Lignite, Copper, Ore, Limestone, Blast Furnace Slag, Stone, Rock etc
	AS-M	24	450	125		
	IS-M-24	24	450	150		
	BS-M-24	24	450	150		
	SANS-M	24	450	120		
High Abrasion Resistant	SANS-N	17	400	150	Suitable for conveying moderately abrasive material	Sand, Current, Slaked Lime, Wood Chips, Pulp (Dry)
	DIN-Y/SANS-C	20	400	150		
	AS-N	17	400	200		
	IS-N-17	17	400	200		
	BS-N-17	17	400	150		
	JIS-S	18	450	200		
	DIN-Z	15	350	250		
	RMA 1	17	400	150		
	RMA 2	14	400	200		
	High Abrasion Resistant	HAR / DIN-W	18	400		
SAR / AS-A		17	400	70	Super Abrasion Resistance	Abrasive fine & granular materials
SAR - N		20	450	70	High cut & gouge property with Super Abrasion Resistance	Sharp big lumps with abrasive fine & granular materials



Belt Designation		Maximum Recommended Working Tension, KN/M	Nominal Carcass Thickness, mm		Nominal Carcass Weight, kg/ m 2		Minimum Recommended Pulley Diameter (mm) for 60 - 100 % Loading (Drive / Bend / Snub)	
Type	Rating	KN/M	NN	EP	NN	EP	NN	EP
General Duty	200/2	25	1.80	1.60	1.92	1.97	200 / 160 / 125	200 / 160 / 125
	250/2	25	1.90	2.00	2.00	2.23	200 / 160 / 125	250 / 200 / 160
	315/2	31	2.00	2.10	2.13	2.31	200 / 160 / 125	250 / 200 / 160
	315/3	30	3.05	2.75	3.51	3.59	315 / 250 / 200	315 / 250 / 200
	400/2	40	2.30	2.60	2.33	2.68	250 / 200 / 160	315 / 250 / 200
	400/3	40	3.20	3.35	3.65	3.98	315 / 250 / 200	400 / 315 / 250
	400/4	40	4.30	3.90	5.11	5.10	400 / 315 / 250	500 / 400 / 315
	500/3	50	3.35	3.50	3.83	4.10	315 / 250 / 200	400 / 315 / 250
	500/4	50	4.50	4.70	5.29	5.73	500 / 400 / 315	630 / 500 / 400
	500/5	50	5.55	5.05	6.70	6.83	630 / 500 / 400	630 / 500 / 400
Heavy Duty	630/3	63	3.80	4.25	4.13	4.65	400 / 315 / 250	500 / 400 / 315
	630/4	63	4.70	4.90	5.53	5.89	500 / 400 / 315	630 / 500 / 400
	800/3	80	4.10	4.70	4.32	4.98	400 / 315 / 250	630 / 500 / 400
	800/4	80	5.30	5.90	5.93	6.63	500 / 400 / 315	800 / 630 / 500
	1000/3	100	4.40	5.30	5.49	5.40	400 / 315 / 250	630 / 500 / 400
	1000/4	100	6.00	6.80	6.54	7.42	630 / 500 / 400	800 / 630 / 500
	1250/4	125	6.10	7.30	7.75	7.63	630 / 500 / 400	800 / 630 / 500
	1250/5	125	7.30	8.30	8.05	9.15	800 / 630 / 500	1000 / 800 / 630
	1400/4	140	7.20	8.40	7.50	9.06	800 / 630 / 500	1000 / 800 / 630
	1600/4	160	7.40	9.60	7.74	9.62	800 / 630 / 500	1250 / 1000 / 800
	1600/5	160	8.20	9.70	10.47	10.32	800 / 630 / 500	1250 / 1000 / 800
	2000/4	200	8.80	10.40	9.38	10.02	1000 / 800 / 630	1250 / 1000 / 800
	2000/5	200	9.45	12.20	10.02	12.37	1000 / 800 / 630	1400 / 1250 / 1000
	2500/5	250	11.20	13.20	12.07	12.87	1250 / 1000 / 800	1600 / 1250 / 1000