



THE TOUGH ONE

MAX^X TUFF UNOTM
Flexible and Impact Resistant Belts

Product Features:

Our Maxx Tuff range of belts have performed admirably in most general purpose applications, successfully conveying millions of tons of material in locations around the world. The conventional multi-ply construction gives many options for configuring the belt, with 2, 3 and 4 ply belts being the most popular.

However, customer needs are ever evolving and your need for a strong, multipurpose belt with excellent all round properties has led to our introduction of the **MAXX TUFF UNO™**, a single ply belt, that will provide enduring value in your conveying applications.

Oriental has focussed on creating two belts – **MAXX TUFF UNO™ 3** that can replace the light belts upto 400 kN/M, **MAXX TUFF UNO™ 6** that replaces medium duty belts upto 630 kN/M.

It's time to move to the **Tough One!**

BENEFITS OF **MAXX TUFF UNO™** v/s conventional EP belts:

- Super flexible around pulleys upto 50% smaller pulleys
- Dense, high strength carcass for high impact resistance upto 4 times better *
- Improved rip & tear resistance
- Hot joint strength exceeds 75% belt rating**
- Mechanical splice strength upto 75% belt rating ***
- Reduces your belt inventory since one specification replaces many!
- Excellent load support and troughability
- Low stretch, yet flexible carcass for maintenance free operations



Product Applications:

MAXX TUFF UNO™ belts are specially targeted at following applications:

- Primary and secondary aggregate crushing
- Mobile crushing and screening conveyors
- Recycling units
- High speed, sacrificial belts
- General purpose applications
- Excellent emergency replacement belt due to excellent joint strength since one specification covers many!

Product Characteristics:

Common Widths	: 500mm - 2100mm (20"to 84")
Carcass	: Special Polyester carcass, flexible and impact resistant
Common Belt Ratings	: 315 kN/m (180 PIW) & 630 kN/m (330 PIW)
No. of Ply	: 1
Cover types	: Wear Resistant, Heat Resistant, Fire Resistant, Oil Resistant
Thickness (mm)	: 3+1.5, 4+2, 5+2, 6+2 standard
(in)	: 1/8" + 1/16", 3/16" + 3/32", 1/4" + 3/32"
Splicing Method	: Finger Splice, Oriental O splice, Mechanical
Edge	: Cut / Moulded Edge

	Replaces (Metric)	Replaces (Imperial)
UNO 3	315/2	2 - 180
	315/3	3 - 180
	400/3	3 - 220
	400/4	4 - 220
UNO 6	500/3	3 - 275
	500/4	4 - 275
	630/3	3 - 330
	630/4	4 - 330

MAXX TUFF UNO™ 3:

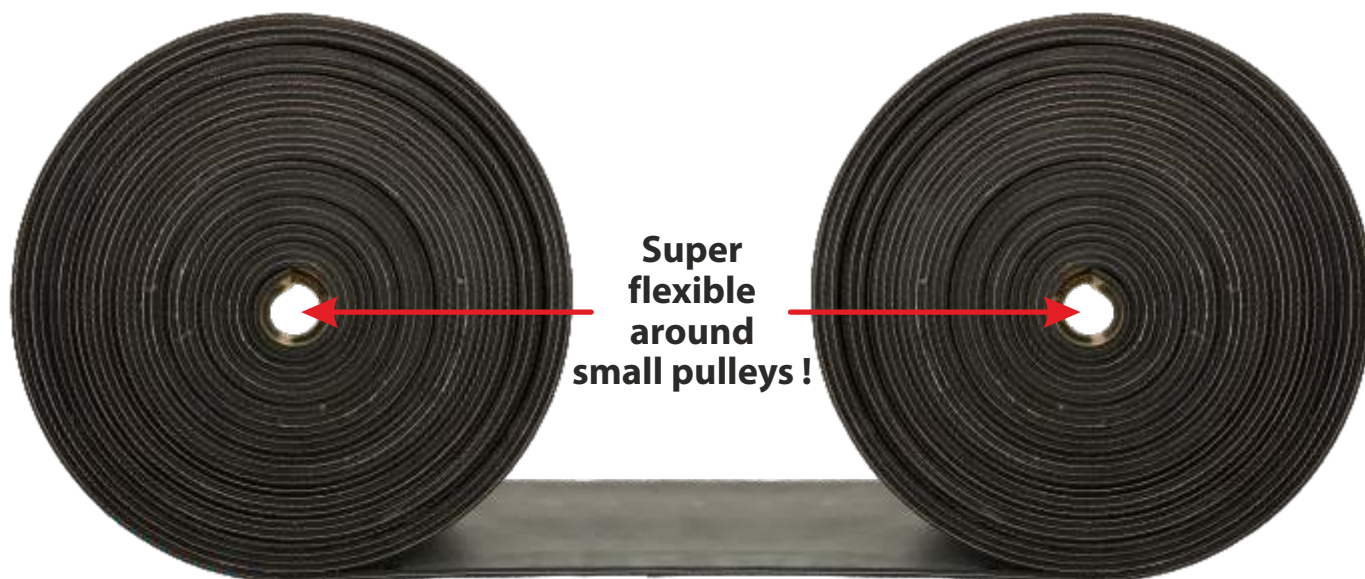
is designed to replace the 315/2, 315/3, 400/3, 400/4 belts

MAXX TUFF UNO™ 6: is designed to replace the 500/3, 500/4, 630/3, 630/4 belts (even upto 800/4 belts in some belts)

* Oriental Test Method | ** By Oriental recommended splice method | *** As compared to maximum 50% for Multi plied belts

MAXX TUFF UNO™

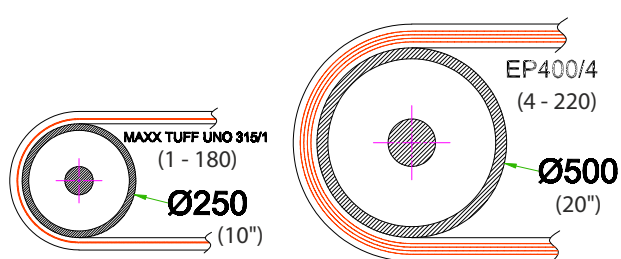
Flexible and Impact Resistant Belts



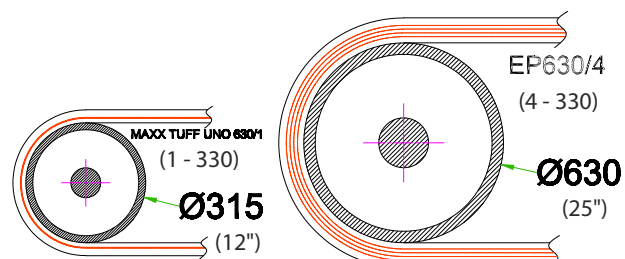
Belt Type	Nominal Carcass Thickness (mm)	Nominal Carcass weight (kg/m ²)	Min. Cover Thickness (mm)	Min. Belt width (mm) for Troughing		Max. Belt Width (mm) for load support at a material weight (t/m ³)						Minimum Recommended Pulley Diameters (mm) (60 to 100% belt rated tension)		
				20° Idlers	35° Idlers	20° Idlers			35° Idlers			Drive	Snub	Bend
						0 - 1.28	1.29 - 1.92	>1.92	0 - 1.28	1.29 - 1.92	>1.92			
MU 315/1	2	1.62	3+1.5	400	450	1200	1000	900	1050	900	750	250	200	160
MU 630/1	3.6	2.7	3+1.5	450	500	1600	1400	1200	1400	1200	1000	315	250	200

Comparison of Pulley Diameters

MAXX TUFF UNO™ 3 V/S EP



MAXX TUFF UNO™ 6 V/S EP



INDUSTRIES



Mining



Steel



Cement



Ports



Power



Locations shown are for graphical representation only. Map is not to scale.

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Wear Resistant



Heat Resistant



Fire Resistant



Oil Resistant



Energy Saving

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