

# CONVEYOR APPLICATION GUIDE

CONVEYOR TYPE	STD SPEEDS	MAX LOAD PER DRIVE	MAX LOAD PER ROLLER	MAX LENGTH CONVEYOR PER DRIVE	OPERATIONAL TEMPS	NOTES
<b>MC 2/B Dual Strand</b>	33 FPM (10 MPM) 50 FPM (15 MPM) 66 FPM (20 MPM)	450 Lbs (204 Kg)	Belt	40 Ft (12 M)	-14 to 160°F (-10 to 70°C)	
<b>MC 2/C Dual Strand</b>	28 FPM (8 MPM) 42 FPM (12 MPM) 56 FPM (17 MPM)	1750 Lbs (794 Kg) 1250 Lbs (567 Kg) 850 Lbs (386 Kg)	Side Flexing Flat Top Chain Plastic	50 Ft (15 M)	-14 to 160°F (-10 to 70°C)	
<b>MC 2/R Dual Strand</b>	28 FPM (8 MPM) 42 FPM (12 MPM) 56 FPM (17 MPM)	2500 Lbs (1134 Kg) Lubricated 1040 Lbs (472 Kg) Dry	Plastic Roller 1" Pitch 4.5 Lbs (2 Kg)	50 Ft (15 M)	-14 to 160°F (-10 to 70°C)	
			Steel Roller 1" Pitch 11.2 Lbs (5 Kg)			
<b>MC 3/C Dual Strand</b>	39 FPM (11 MPM) 49 FPM (14 MPM) 66 FPM (20 MPM)	2500 Lbs (1134 Kg) 2100 Lbs (952 Kg) 1500 Lbs (680 Kg)	Side Flexing Flat Top Chain Plastic	50 Ft (15 M)	-14 to 160°F (-10 to 70°C)	
<b>MC 3/R Dual Strand</b>	39 FPM (11 MPM) 49 FPM (14 MPM) 66 FPM (20 MPM)	4500 Lbs (2041 Kg) Lubricated 1850 Lbs (839 Kg) Dry	Plastic Roller 1.5" Pitch 20.2 Lbs (9 Kg)	60 Ft (18.5 M)	-14 to 160°F (-10 to 70°C)	
			Steel Roller 1.5" Pitch 31.5 Lbs (14 Kg)			
<b>MC 4/R Dual Strand</b>	22 FPM (7 MPM) 28 FPM (9 MPM) 36 FPM (11 MPM) 44 FPM (14 MPM) 55 FPM (17 MPM)	22,000 Lbs (10,000 Kg) Dry	Plastic Roller 1.5" Pitch 22 Lbs (10 Kg)	70 Ft (22 M)	-14 to 160°F (-10 to 70°C)	3/4 HP to 7.5 HP Plastic Rollers = Plastic Wearstrip Steel Rollers = Steel Wearstrip Do NOT use chain clips w/ Center Drives
			Steel Roller 1.5" Pitch 66 Lbs (30 Kg)			
<b>MC 5 Synchronous w/ Fixtures</b>	33 FPM (10 MPM)	2x Dbl 40 Series Attachment Chain 5280 Lbs (2395 Kg)	Steel Roller 0.5" Pitch Single Strand Chain	50 Ft (15 M) Longer Conveyors Available w/Less Payload	-14 to 160°F (-10 to 70°C)	1.5 HP
<b>MC 5 Non-Synchronous w/ Trapped Pallets</b>			2x Triple 40 Series Chain 7260 Lbs (3293 Kg)			Steel Roller 0.5" Pitch Triple Strand Chain
<b>MC 6 Dual Strand</b>	45 FPM - 200 FPM (11 MPM - 60 MPM)	3080 Lbs (1397 Kg)	Plastic Roller 1.5" Pitch 8.4 Lbs (3.8 Kg)	60 Ft (18.5 M)	-14 to 160°F (-10 to 70°C)	Steel Roller NOT Preferred
		3915 Lbs (1776 Kg)	Steel Roller 1.5" Pitch 17 Lbs (7.7 Kg)			
<b>MRC 300 MM 400 MM 500 MM</b>	16 FPM - 65 FPM (5 MPM - 20 MPM)	3000 Lbs (1364 Kg)	Steel Roller 2" (50 MM) Dia. 220 Lbs/Rlr (100 Kg)	40 Ft long @ 35 FPM @ 3000 lbs benchmark Consult Engineering for Actual	-14 to 160°F (-10 to 70°C)	
<b>MF83</b>	15 FPM - 100 FPM (4 MPM - 30 MPM)	300 Lbs (136 Kg)	Side Flexing Flat Top Chain Plastic	35 Ft (10 M)	-14 to 160°F (-10 to 70°C)	Aluminum Drive Sprocket
<b>MF83 450</b>		450 Lbs (204 Kg)				
<b>Modu-Matt</b>	16 FPM - 23 FPM (4 MPM - 7 MPM)	485 Lbs (220 Kg)	Matt-Top Chain	50 Ft (15 M)	-14 to 160°F (-10 to 70°C)	Max Incline 5°
<b>PZR Med Duty Hvy Duty Hvy Duty w/ CTR Rail</b>	29.5 FPM (9 MPM) 12.3 FPM (3 MPM) 12.3 FPM (3 MPM)	350 Lbs (159 Kg) 700 Lbs (318 Kg) 1000 Lbs (454 Kg)	Steel Plastic Friction Chrome Plated	Zone Length 25" (635 MM) 30" (762 MM) 50" (1270 MM)	-14 to 160°F (-10 to 70°C)	
<b>Flex Con III</b>	4 FPM - 50 FPM (1.5 MPM - 16 MPM)	3500 Lbs - 5000 Lbs (1588 Kg - 2268 Kg)	Side Flexing Flat Top Chain Plastic	150 Ft (45 M)	-14 to 160°F (-10 to 70°C)	1/4 HP - 2 HP Drive
<b>SR Dual Strand 20MM</b>	10 FPM - 90 FPM (3 MPM - 30 MPM)	600 Lbs (272 Kg)	20MM Straight Running Plastic	30 Ft (9 M)	-14 to 160°F (-10 to 70°C)	1/8 HP - 1/2 HP Drive
<b>SR Dual Strand 30MM</b>		1000 Lbs (460 Kg)	30MM Straight Running Plastic			

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LIFT & LOCATES	TRANSFERS	ROTATES	DIVERTERS	MERGES	REVERSIBLE	TUNNEL STATIONS	SHUTTLES	OVERHEAD GUIDED VEHICLES	ROLLOVERS	TURNTABLE CORNERS
X	X	X			X	X	X			
X	X	X				X	X			
X	X	X			X	X	X			
X	X	X				X	X			
X	X	X			X	X	X			
X	X	X			X	X	X			
X										
X	X	X			X	X	X			
X	X	X	X	X	X	X	X			X
X	X		X	X		X				
X	X		X	X		X				
X		X		X	X		X	X	X	X
X			X	X		X	X			X
X	X	X			X		X			X