

partnered with



12" Tabletop Conveyor Specifications

Complete Conveyor Systems and Equipment

Conveyor Specifications									
Frame	Material Thickness	Material	Finish	Design					
	12 GA	Mild steel	"Stardust Silver" powder coat paint	 Open top Safety design to prevent pinch points 					
	12 GA	Stainless Steel	#4 polish finish						
Standard	Parts								
Modules	 Idle ends Drive ends 45°, 90° Turns Intermediates Copes Adjustable vertical turns 								
Wearstrips	Carryway	Carryway	Return						
	 ¾" Thick UHMW in straights Turns: UHMW outside Duravar inside < 200 FPM 	Options Turns: Nylatron inside > 200 FPM	Slider on tab in straights & turns						
Motor/	Prand/Style	Voltage	Body Frama	Mounting	Ontions				
Reducer	Nord • "C" face motor • Inverter duty • VFD & IP55 rated	230/460-3	Corrosion resistant aluminum	"C" face	Below or above Washdown-painted				
	NordHollow bore reducer	N/A	Corrosion resistant aluminum	Vertical shaft with torque arm					
Convovor	Standard Naminal (EDM)	Minimum	Maximum	Abovo Maximum					
Speeds	• 40	30 FPM*	300 FPM*	Consult factory for					
opeeus	• 60 • 100 • 125 • 165 • 250	*Speed obtained using a VFD	*Speed obtained using a VFD	speeds above 300 FPM					
Supports	Style	Elevation Change	Elevation Range	Options					
	 "H" Formed 2"x2" Angled Bolt pad base Formed sanitary channel w/spacers & bolt pad base 	±2"	Nominal 22" - 50"	 Ceiling hanger brackets 1½" Square tube, El. range 24-45" (±3) 					

Conveyor Specifications							
Bearings	Construction	Finish	Options				
	 2-Hole flange Steel insert with set-screw	PaintedSealed for lifeGeneral purpose lube	 Polymer housing Food grade lube Zinc plated or Stainless Steel inserts Safety covers 				
		1					
Shafts	Diameter						
	Idle = 1.0"Drive = 1.25"						
Conveyor	Parts	Options					
Accessories	Low Back Pressure (LBP) roller transferStainless Steel dead plate	Single roller transferPowered transfer					
Guide Rail & Brackets							
• See page 9							
Tabletop Chains and Sprockets							
See page 10)						











Part Specifications								
Guide Rail	Standard Configurations (Illustrated below)			Optional Configurations				
	Single highDouble high			Sheet railUHMW	Sheet rail UHMW			
	VG-SSR Round Face VG-SST 1.25" T- Face VG-SST 2.25" T- Face Aluminum Channel w/UHMW Cover							
	Guide Rail O			Openings	penings			
	Min.	Max.*	Min.	SI Max.*	Aium. Min.	Max.*		
	67⁄8"	14%"	65⁄8"	14 ³ ⁄8"	71⁄8"	141/8"		
	*Consult factory for wider openings							
		('			P'			
Bracket	 Standard Configuration Adjustable formed "L" shaped brackets 7 GA Mild or Stainless Steel Mild Steel is "Stardust Silver" powder coated painted 			Optional Configurations Gusseted "L" shaped brackets Molded plastic brackets Tool-less adjust-ability				
Supports	Standard Configura	tion		Optional Confi	gurations			
	 "H" style formed 2"x 2" angled with bolt pad base ±4 elevation change Normal elevation range 22" - 50" 7 GA Mild or Stainless Steel Mild Steel is "Stardust Silver" powder coated painted Drop rods PROVIDED BY CUSTOMER 			Mild or Stainless Steel				
	Formed Angle			Ceiling Hanger				



Maintenance Information

1. Pre-Start Checklist

- Fasteners Some may have loosened during shipment. Re-tighten as required
- Inspect all splice points for proper wearstrip alignment
- Hand run a 48" long chain section through conveyor, both carryway and return paths, to check for binding
- Verify motor rotation
- Verify chain direction is correct (See Figure 1)
- Guide Rail Check for proper product width before operation

2. Start-up/Break-in

- During first 250 hours of operation Monitor the following
 - ▶ Initial chain stretch Chain will have an initial stretch. Monitor catenary length, as described below, and remove excess links.
 - ► Chain dusting Normal occurring issue that subsides after the first 250 hours of run time. Clean as required

3. Maintenance

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- Catenary length (See Figure 2)
 - ▶ Chain length Replace when 80 links > 123" or 40 links > 61.5"
 - Sprocket wear Look for excessive wear or hooked teeth
 - Reducer Look for leaking seals
- Wearstrip wear
 - ► Inside turn When edge of chain is 1/32" or less from inside edge of frame, it is time to replace wearstrip (Figure 3)
- Chain Surging (Slip Stick)
 - ▶ Hard to predict natural phenomenon that depends on speed, load, construction and lubrication
 - Most common in long and/or slow running conveyors
 - Poses no operational concerns unless it causes product tipping
 - Look for chain binding at turns and copes in both carryway (product path) and the return path
- Motor Hop & Wobble
 - ► Natural phenomenon that is desirable
 - Poses no operational concerns with life expectancy of conveyor or reducer
 - ▶ Wobble releases stress build-up due to normal machining tolerances in rotating shaft
 - Increases equipment longevity compared to rigidly mounted reducers where misalignments are trapped
 - Longer reducer life
 - $\,\circ\,$ Longer bearing life
 - Longer shaft life

run time. Clean as required

Figure 2



Figure 3



Warranty

MODULAR CONVEYOR EXPRESS WARRANTY

MODULAR CONVEYOR EXPRESS will repair or replace any products that have failed under normal use due to faulty material or defective workmanship for 1 year. Motors and chain carry the manufacturer's warranty. No other warranty is expressed or implied unless otherwise set forth in writing and approved by representative duly authorized to extend such approval by MODULAR CONVEYOR EXPRESS. All rights of design and invention are reserved.

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