

Quality Conveyors Since 1948

DISTRIBUTOR CATALOG

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Note: The cover's 3D drawings were created with New London's Autodesk® Inventor software.

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MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
150	Standard duty low profile conveyor	12	1.75"	1.3125"	CF knurled	.625"	1.3125"	FF	.5"	2 ply black PVC 70	Shaft Mt-RA	Gearmotor drives, pressed bearings on end drives, flange bearings on CDTU
250	Heavy duty low profile conveyor	12	1.75"	2.875"	CF knurled	.75"	1.3125"	FF	.5"	2 ply black PVC 70	BM	Motor/reducer drive, 2 bolt flanged bearings
180	Directional change turn table	12	2"		2.5 revolu in sorting a 180 deg units can	tions per m application ree turn in a not fit.	inute – Typio systems tha a space tradi	cally used at require itional		3-1/2" stationary rails	BM	Turntables are available in standard 3' – 8'
181	Accumulation turn table	12	2"		1-3 revolu accumulat	itions per m tion or sorti	inute – Useo ng applicatio	d in ons.		6" rotating rails	BM	table diameters
200	Standard duty slider bed	12	2.75"	4.625"	CFRL	1.1875"	4"	CF	1.1875"	2 ply black PVC 120	BM	Base length = 5'
205- 208	One piece frame model 200's	12	2.75"	4.625"	CFRL	1.1875"	4"	CF	1.1875"	2 ply black PVC 120	BM	M205–3' M206–3.5' M207–4' M208–4.5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL	1.4375"	4"	CF	1.1875"	2 ply black PVC 120	BM	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL	1.4375"	4"	CF	1.1875"	2 ply black PVC 120	BM	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL	1.6875"	4"	CF	1.4375"	2 ply black PVC 120	BM	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	BM	V-Guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	BM	V-Guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	BM	Heavy shaft M311
351	Standard duty V-guided cleated conveyor	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M500
361	Standard duty V-guided type II, III & IV conveyor**	12	6.625"	4.625"	FFRL "A" section	1.1875"	4.25"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M521

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard **Type II = Horizontal to Incline; Type III = Horizontal to Incline to Horizontal; Type IV = Incline to Horizontal



MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY SHAFT DIA.	STANDARD BELT	STD. Drive*	OTHER
410	Medium duty floor to floor conveyor	12	2.75"	4.625"	CFRL	1.1875"	4"	CF	1.1875"	2 ply 150 black rubber rough top	BM	Unit includes an adjustable nose over. Inclines use a M200 frame (Power feeders are optional)
420	Heavy duty floor to floor conveyor	12	5.5"	8.625"	CFRL	1.4375"	4"	CF	1.1875"	2 ply 150 black rubber rough top	BM	Unit includes an adjustable nose over. Inclines use a M220 frame (Power feeders are optional)
500	Standard duty cleated incline conveyor	12	6.625"	4.625"	CFRL	1.1875"	4"	CF	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers	Тор	Unit includes 1-1/2" or 3/12" rails and a bottom pan
505	Medium duty cleated incline conveyor	10	13"	8.625"	CFRL	1.4375"	8"	CF	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Unit includes 6" high siderails
506	Heavy duty cleated incline conveyor	10	13"	8.625"	CFRL	1.6875"	8"	CF	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Heavy drive shaft M505
521	Light duty parts or bulk material handling conveyor (see worksheet below)	12	6.625"	4.5"	CFRL	1.1875"	4"	CF	1.1875"	 3 ply RMV with 1-1/2" cleats on 12" centers 1-1/2" high wall x 1" cleats for bulk applications 	Тор	 1-1/2" or 3-1/2" side rails 1-7/8" dia. x 3/4" face cam hold down wheels 30°, 45° and 60° inclines std
590	Medium duty parts or bulk material handling conveyor (see worksheet below)	10	13"	10"	CFRL	1.4375"	8"	CF	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 3" high wall x 2-1/2" cleats for bulk app. 	Тор	 (2) 12" dia. x 2" wide deflection hold down wheels
591	Heavy duty parts or bulk material handling conveyor (see worksheet below)	10	13"	10"	CFRL	1.6875"	8"	CF	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 3' high wall x 2-1/2" cleats for bulk app. 	Тор	 Heavy drive shaft M590 (2) 12" dia. x 2" deflection hold down wheels

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Model 521, 361, 590 & 591 Worksheet

Model 521 & Model 361 Belt Recess Guidelines

Model	General Guidelines	Hold Down Wheels	Minimum cleated belt recess per side = Belt Width x .10
521 & 361	Maximum recommended length is 20'	45 & 60° (4) cams per side rather than (3)	Minimum corrugate belt recess per side = (Belt Width + Sidewall Height) x .10
590 & 591	Consult NLE	(2) 12" hold down wheels	Effective Width = Belt Width – (Recess + Corrugated wall width)

	MODEL	. 521 & 36	1 CLEATE	D ONLY	MOD Cleate)el 521 & Ed & Side	361 WALLS	MODEL 590 & 591 CLEATED ONLY (3"/SIDE BELT RECESS REQUIRED)				MODEL 590 & 591 CLEATED & SIDEWALLS (3"/SIDE BELT RECESS + 2"/SIDE WALL WIDTH REQUIRED)					
Belt Width	8"	12"	18"	24"* Max.	12"	18"	24"* Max.	12"	18"	24"	30"	36" Max.	14"	18"	24"	30"	36" Max.
Effective Width	5"	9"	15"	21"	6"	12"	18"	6"	12"	18"	24"	30"	6"	8"	14"	20"	26"

*These are the maximum widths available.



MODEL	DESCRIPTION	FRAME	FRAME			DRIVE PULLEY SHAFT.			INFEED PULLEY SHAFT	STANDARD	STD.	OTHER
600	Medium duty belt driven live roller	12	6.5"	4.625"	CFRL	1.1875"	4"	CF	1.1875"	2 ply black PVC 120	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
610	Heavy duty belt driven live roller	12	6.5"	8.625"	CFRL	1.4375"	4"	CF	1.1875"	2 ply black PVC 120	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
630 631 645 646 690 691	V-belt drive 30° curve M630 tapered rollers V-belt drive 45° curve M645 tapered rollers V-belt drive 90° curve M690 tapered rollers	12	8" 	3.8"	Sheave drive	1.1875"	3.8"	Sheave	1.1875"	V Belt: "B" section drive belt	BM @ infeed	V-Belt driven live roller curves Rollers – 2" dia. x 16 ga. x .4375" hex on 2-5/8" centers inside rail
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL	1.4375"	4"	CF	1.1875"	2 ply black PVC 120	BM @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
660	Belt driven live roller with accum. zones	12	6.5"	8.625"	CFRL	1.4375"	4"	CF	1.1875"	2 ply black PVC 120	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
670	Medium duty chain driven live roller	7	6.5"	2.5"		0.688" hex	#60A 16 x 2-1/2" bore sprocket			CDBM	Rollers – 2-1/2" – 11 ga. x 0.6875" hex on 6" centers	
675	Heavy duty chain driven live roller	1/4"	8"	3.5"		1.063" hex	#60A 20 x 3-1/2" bore sprocket			CDBM	Rollers – 3-1/2" x .300 wall 1.0625" hex on 6" centers	

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MODEL	DESCRIPTION	FRAME GAUGE	FRAME	DRIVER SIZE	*DRIVER TYPE*	DRIVE Shaft Dia.	IDLER SIZE	IDLER TYPE	IDLER Shaft Dia.	STAN CAR	DARD Rier	STD. DRIVE	OTHER		
700	Standard duty magnetic conveyor	12	6.625"	13 tooth	3.1" pd	1.1875"	13 tooth	3.1" pd	0.6875" hex	Magnets 12" cente	on rs	Shaft	Standard duty and heavy duty magnets are available		
711 716	Single strand drag Dual strand drag	12	8.5"	12 tooth	3.854" pd	1.4375"	12 tooth	3.854" pd	1.1875"	1-1/2" UH cleats	MW	Тор	Available with standard or liquid tight bottom pan		
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga apro 5/8" cleat 12" center	ons, s on s	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge		
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga apro 1-3/8" cle 12-1/2" ce	ons, ats on nters	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721		
721 724	Standard duty chip conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga apro 1-3/8" cle 12-1/2" ce	ons, ats on nters	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high		
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga apro 7/8" cleats 12-1/2" ce	ons, s on nters	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high		
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga apro 7/8" cleats 12-1/2" ce Conventior	12ga aprons, 7/8" cleats on 12-1/2" centers Conventional top only		Frame tapers from 5-3/8" to 6-5/8" @ discharge		
727	Tapered infeed – cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga apro 5/8" cleat 12-1/2" ce	ons, s on nters	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"		
751 750	4" pitch HSB Hvy drive shaft M751	10 10	15.25" 15.25"	6 tooth 6 tooth	8" pd 8" pd	1.9375" 2.9375"	6 tooth 6 tooth	8" pd 8" pd	1.6875" 1.9375"	10ga apro cleats on centers	ons, 2-3/8" 24"	Тор	M750 Std Takeup at Infeed M751 Std Takeup at Drive		
760	6" pitch HSB	Channel	23.25"	6 tooth	12" pd	3.4375"	6 tooth	12" pd	2.9375"	1/4" aproi 4" cleats o 48" center	ns, on s	Тор	Heavy duty applications		
770	Slat conveyor	7	23"	8 tooth	15.68" pd	2.9375"	8 tooth	15.68"	2.1875"	5-7/8" x 1 x 7 ga.	-1/2"	Side	Slat conveyor		
800 801 802	Herringbone style bed Roller bed UHMW wear strip bed	12	6.5"	13 tooth	4.1" pd	1.1875"	13 tooth	4.1 pd	1.1875"	1/2" x 1" g flat wire r	galvanized nesh	BM	Wire mesh conveyors		
901 910 911 920 921	100# roller rating 240# roller rating 280# roller rating 600# roller rating 650# roller rating	12 10 10 Channel Channel	2.5" 3.5" 3.5" 4" 4"	Rollers 90 Rollers 91 Rollers 91 Rollers 92 Rollers 92	01 – 1.38" x 0 – 2" x 16 1 – 2" x 13 20 – 2.5" x 1 21 – 2.63" x	18 ga x .3 ga x .437 ga x .437 1 ga x .68 7 ga x6	113 5 5 175 875	Gravity C	onveyors				Standard duty apps. Medium duty apps. Medium duty apps. Heavy duty apps. Heavy duty apps.		
MODEL	DESCRIPT	ION	FRAME GAUGE	FRAME DEPTH	FRAM	E I	FRAME Spreader	SHAF	TS	RETURN Rollers	WEA	R STRIPS	COMMON DEFINITIONS		
1000	Narrow width, lig weight products	ghter	12	6-1/2"	BW + 1/2	" 12 for	12 ga. formed angle		-3/16" 2" x 7/16" hex ound shafts		7/16" hex - Longitudinal UHM		W – Table Top Chains		
2000	Wider widths, he and larger produ	avy cts	10	7-5/8"	BW + 7/8	" 10 for	ga. med channel	1-1/2" share s	2- hafts 1	-1/2" x 1/16" hex	– Longitudinal UHMV – Chevron style UHV		2" x – Longitudinal UHI 6" hex – Chevron style UH		W – Mat Top /W Belts



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Low Profile Conveyors – ToughTrak – Tough and Durable Low Profile Conveyors

Low profile slider beds are designed for use **where space is limited**. These units are designed to fit into places other slider beds can't. Due to its small drive pulley, all Model 150 lengths greater than 10' require a center drive. We do not recommend lengths greater than 20'6" on either ToughTrak model.

MODEL	DESCRIPTION	DISTINCTIVE FEATURES	MODEL DISTINCTIONS	TYPICAL PRODUCTS Conveyed
150	Standard duty low profile conveyor	Gearmotor drives, Pressed in drive bearings	 Very small overall width compared to other slider beds The pressed in drive side bearings combined with the compact gear motors result in an overall drive width from 1-4" narrower than other slider beds. The infeed is approximately 3" narrower than other slider beds. Tight conveyor to conveyor transfers The 1-5/16" infeed pulley also allows tight conveyor-to-conveyor transfers. 	 Used in tight fit applications to carry all sorts of lightweight packages full of products like candy, gum or napkins.
250	Heavy duty low profile conveyor	Motor & reducer drive, 2 bolt flanged drive bearings	 Longer run low profile applications Designed for the heavier duty low profile applications. Its drive (motor/reducer combination, 2 bolt flanged bearings) is designed to convey more weight, longer distances than the Model 150. Small overall width compared to other slider beds The Model 250 compact drive is approximately 2-4" narrower than a traditional slider bed. The infeed is approximately 3" narrower than other slider beds. Tight conveyor to conveyor transfers The 1-5/16" infeed pulley also allows tight conveyor-to-conveyor transfers. 	 Also used in limited space applications in the metal stamping industry to carry small, lightweight metal stampings, chips or small metal parts.

ToughTrak Common Features

FRAME	INFEED PULLEY	DRIVE PULLEY FACE	STANDARD BELT	SUPPORTS
12 Gauge x 1³/4" Deep (Frame Width is BW + 31/32")	1 ⁵ /16" Diameter Flat Face x ¹ /2" Bore	Crown Face Knurled	2-Ply Black PVC with #36 Unibar Lacing	Adjustable 12 Gauge Unistrut

Model 150 Drive







Design and Construction Features

ToughTrak low profile conveyors are lean and mean working machines. These steel fabricated, tough and durable conveyors are built to survive the extreme tests of the manufacturing environment. ToughTrak is not only built to last, they can be built to your exact length and width specifications at a cost lower than any other low profile conveyor.

ToughTrak Low Profile Conveyors are American made and American engineered to work harder and last longer than any competitor in its class. That's why they are called ToughTrak!



APPLICATION GUIDE Horizontal Conveyors

Slider Beds A slider bed's simple low cost construction is typically the least expensive and most **economical** powered conveyor to purchase and operate. They are commonly used to convey packages or loose irregularly shaped products either horizontally or up slight inclines.

Belt Over Roller These units use rollers as the bed surface rather than the steel deck of a slider bed. These rollers reduce friction resulting **more live load capacity**. Roller beds are not recommended if product tipping is an issue. Since the belt rides on a roller-to-roller surface, the product travel is not as smooth as a slider bed.

V-Guided Slider bed has a rubber guide vulcanized to the back of the belt. The frame and pulleys are notched to provide a track for the rubber-vulcanized belt. This "guided" system keeps the belt centered for use in **side loading and short but wide applications**. V-guides are also necessary when the application is as **short as it is wide**. (i.e. 30" wide x 36" long) Typically, V-guides are recommended if the conveyor length is less than 2.5 times the belt width.

ТҮРЕ	MODEL	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY Shaft dia.	MODEL DISTINCTIONS	APPLICATIONS / (APACIT	IES	
	Model 200	2.75"	4.625"	1.1875"	- Low cost slider bed construction		M20	0 1	//210
					– Low profile frame	Max. load/ft at 60 FPM	50#		50#
					2.75" deep frames are designed for	Maximum live load	600;	# 1	000#
	Model 010	0.75"	0.005"	1 4075"	tight fit, shorter run, lighter weight	Maximum width	30"		36"
er Beds	Model 210	2.75	0.025	1.4375	 The Model 210 larger drive pulley can handle wider and longer runs than the Model 200. 	Maximum length	40'		100'
Slide	Model 220	5.5"	8.625"	1.4375"	– Low cost slider bed construction		M22	0 1	/1221
					– Deeper frame construction and	Max. load/ft at 60 FPM	100;	# ·	100#
					larger drive pulleys These units' are designed for longer	Maximum live load	1200	# 1	500#
	Model 221	5.5"	8.625"	1.6875"	wider and heavier weight	Maximum width	48"		48"
						Maximum length	100		100'
					 The Model 221 larger drive shaft adds strength and torque capacity. 				
5	Model 640	6.5"	8.625"	1.4375"	- Used for heavy loads			M640	
Rollé					This unit's roller bed surface reduces friction, increasing live loads.	Max. load/ft at 60 FPM	100#		
)ver					Typically used to convey heavy	Maximum live load		3000#	
3elt (products like loaded pallets.	Maximum width		36"	
						Maximum length		100'	
	Model 301	6.625"	4.625"	1.1875"	- Deeper Frame Construction		M301	M311	M321
spa					for short x wide runs	Max. load/ft at 60 FPM	50#	50#	100#
er B(Model 311	6.625"	8.625"	1.4375"	– The Model 301 & 311 drives are	Maximum live load	600#	600#	1500#
Slid					designed for lighter weight	Maximum width	30"	30"	48"
ided					v-yulutu ust. _ The Model 321 is a heavy duty drive				
V-Gu	Model 321	6.625"	8.625"	1.6875"	shaft M311 designed to add strength and torque capacity for "V" guided applications with heavier products.				

APPLICATION GUIDE Horizontal Conveyors



Primarily used to convey boxed (packaged items) up inclines.

These units are typically used to carry boxes (packaged items) up inclines or down declines. What differentiates these units from cleated belt conveyors are its **cost**, **belt and a nose-over feature**. These units typically use a **rubber rough top belt rather than a cleated belt** to move products. The low cost of a rough top belt compared to a cleated belt combined with a low cost slider bed construction makes these units an **economical incline/decline conveyor choice**. The **nose-over** is designed to provide a smooth transition from the incline to the horizontal.

Note: For most applications, the maximum incline angle is 30 degrees. If a 30-degree incline is exceeded boxes may slip or tumble. Consider using a cleated inclined conveyor for these steeper incline applications (Model 500 series). Please also note, a center drive is recommended for reversing applications.

MODEL	DESCRIPTION	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY Shaft dia.	MODEL DISTINCTIONS	APPLICATIONS/C	APACITIES					
410	Medium duty	2.75"	4.625"	1.1875"	– Low cost slider bed construction		M410	M420				
	floor to floor conveyor				– Adjustable Nose over (0-30°)	Max. load/ft at 60 FPM	50#	50#				
	(This unit				over to allow a smooth transition	Maximum live load	600#	1200#				
	uses a M200				from the incline to the horizontal	Maximum width	30"	48"				
	lialle)				– Low profile frame	Maximum length	40'	100'				
					These units' somewhat low profile 2.75" deep frames are designed for tight fit, shorter run, lighter weight applications.							
420	Heavy duty	5.5"	8.625"	1.4375"	– Low cost slider bed construction	– Power feeders						
	floor to floor conveyor (This unit				 Adjustable Nose over (0-30°) Unit includes an adjustable nose over to allow a smooth transition 	 Since an adjacent conv power feeder, they are option 	veyor driv an inexpe	es the ensive				
	uses a M220				from the incline to the horizontal	– Power feeders transfer	r packages	s from a				
	ITallie)				 Deener frame construction and 	horizontal position to a	an incline					
					larger drive pulley	Note: Power feeders are optional.						
					longer, wider and heavier weight incline/decline applications.							
	incline/decline applications.											
6	****	8k		2 0/4		plication Summary	nnligation					
		*** ***		Note: are op	– S Power feeders tional.	norter and lighter weight a	аррпсацог	15				
	Model 420											
Ø		ele ele		- 51/2	2" FD – Li	ong run, wider application	S					
		8		Note:	w Power feeders	ith heavier loads						
-		and the second second		are op	tional.							

These units use cleated belts to carry loose unpackaged items like plastic parts, nuts, bolts and stampings up inclines.

These units include two features **(side rails and cleats)** specifically designed to catch, carry and contain loose, unpackaged items like plastic parts, nuts and bolts or stampings. The cleats catch the loosely wrapped products and carry them upwards while the side rails contain products within the cleat and the conveyor sides. Typically unboxed, loose products like plastic parts are loaded into a hopper and then discharged into bins or drums. To prevent "spill over", the Model 500 should not exceed a 45-degree incline angle (consider using the deeper frame, taller cleat Model 505).

The Model 351 V-Guided system keeps the belt centered for use in side loading and short but wide applications.

MODEL	DESCRIPTION	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY Shaft dia.	INFEED PULLEY SIZE	INFEED PULLEY Shaft dia.	STANDARD Cleat Heights	SIDE RAILS	APPLICATIONS			
500	Standard duty inclining conveyor	6.625"	4.625"	1.1875"	4"	1.1875"	1-1/2" cleats on 12" centers	Unit includes 1-1/2" or 3-1/2" rails	Used to convey lighter weight products like empty plastic bottles or cans, bottle caps, screws, nuts & bolts, small stampings			
505	Medium duty inclining conveyor	13"	8.625"	1.4375"	8"	1.4375"	3" cleats on 12" centers	Unit includes 6" high siderails	This unit's deeper frame and taller cleats are used to convey larger & heavier products like filled cans or bottles & large, heavy and bulky parts. The taller cleat also provides more carrying capacity for high volumes .			
506	Heavy duty inclining conveyor	13"	8.625"	1.6875"	8"	1.4375"	3" cleats on 12" centers	Unit includes 6" high siderails (Heavy drive shaft Model 505)	The heavy-duty drive shaft adds strength and allows increased torque for conveying heavier products. The taller cleat also provides more carrying capacity for high volumes.			
351 Standard duty V-guided inclining conveyor				1.1875"	4"	1.1875"	1-1/2" cleats on 12" centers "A" section	Unit includes 1-1/2" or 3/12" rails (V-guided Model 500)	Used in "V" guided applications for lighter weight products like empty plastic bottles or cans, bottle caps, nuts, bolts, stampings & light weight auto parts			
				-	Load (Capacities	@ 60 FPM					
Model	Horizont		m Live Loa	Id	30°	Incline Ma	ximum Live Lo	oad 45	"Incline Maximum Live Load			
505		1800#				3 0	00# 00#	800#				
506		1800#				9	00#	800#				
351		700#				3	00#		250#			
6 5		.		.				Nodel 500 Application – Used for ligi	Summary nter weight products			
	Model 505 & 506 Application Summary 13 1/8" FD											
Model 351 6 5/8" FD V-GROOVED Model 351 Application Summary – Lighter weight V-guided incline applications												

Horizontal to Incline (Type II) – Horizontal to Incline to Horizontal (Type III) – Incline to Horizontal (Type IV) – Primarily used to convey unpacked, loose items.

Typically these **units carry unboxed**, **loose products like plastic parts and stampings**. They are designed to move products from a horizontal position up inclines. Since this horizontal to incline transition is done within this one unit (rather than two conveyors) you are assured of smooth part transfer with no pinch points. Much like the Model 500's, the side rails and cleats are designed to catch, carry and contain loosely wrapped, unpackaged items like plastic parts, nuts and bolts or stampings. The cleats catch the loosely wrapped products and carry them upwards while the side rails contain them within the cleat and the conveyor sides. Typically products like plastic parts and stampings are dropped from an existing machine onto the conveyor's horizontal position and then carried up the incline and discharged into bins or drums.

For bulk applications like sand or sludge, a corrugated sidewall is added to the belt for improved containment. Please be reminded, the belts effective width is reduced with the addition of a sidewall.

The Model 361 V-guided system keeps the belt centered for use in side loading and short but wide applications (i.e. 30" wide x 36" long). Typically, V-guides are recommended if the length is less than 2.5 times the belt width.

MODEL	DESCRIPTION	DEPTH FRAME GAUGE	PULLEY SIZES	PULLEY Shaft Dia's	STANDARD CLEATS AND SIDEWALLS	SIDE RAILS & HOLD DOWN WHEELS	LOAD Max. Width	APPLICATIONS & RESTRICTIONS
521	Light duty parts or bulk material	6.625"	Drive 4.5"	Drive 1.1875"	1-1/2" cleats on 12" centers	- 1-1/2" or 3/12" side rails - 1-7/8" dia x 3/4"	110#	 Low profile frame These units lower profile frame, shorter cleats lower side rails and
		12 ga.	Indeed 4"	Indeed 1.1875"	1-1/2" high wall x 1" cleats for bulk applications	face hold down wheels	24"	the use of 1-7/8" dia. hold down wheels allow it to fit in tight spaces. Note – these items also limit its canacity
361	Standard duty V-guided	6.625"	Drive 4.625"	Drive 1.1875"	1/2" cleats on 12" centers "A" section	- 1-1/2" or 3/12" side rails - 1-7/8" dia x 3/4"	110#	 Hold down wheels 30 degree units use (3) 1-7/8" dia. x 3/4" face down wheels per side
	(V-Guided Model 521)	12 ga.	Infeed 4.25"	Infeed 1.1875"	1	face cam hold down wheels	24"	45 & 60 degree units use (4) hold down wheels per side.
								Please consult NLE for all Model 521 and Model 361 applications.
590	Medium to heavy duty parts or bulk material	13"	Drive 8.625"	Drive 1.4375"	3" cleats on 12" centers	 Side rail heights are per application (2) 12" dia x 2" 	Call NLE	- Deeper frame construction These units 10 gauge x 13" deep frames x 3" high cleats provide the
	conveyor	10 ga.	Infeed 8"	Infeed 1.4375"	3" highwall x 2-1/2" cleats for bulk applications	wide hold down wheels	36"	strength and moving capacity required for heavy-duty, large volume applications.
591	Heavy duty parts or bulk material	13"	Drive 8.625"	Drive 1.6875"	3" cleats on 12" centers	(Heavy drive shaft M590)	Call NLE	 Hold user where s Holding down the belt at the horizontal to vertical transition is the key to these units. The 12"
		10 ga.	Infeed 10"	Infeed 1.4375"	3" highwall x 2-1/2" cleats for bulk applications		Call NLE	dia. x 2" wide hold down wheels increase the amount of the belts surface that is being "held" down allowing for more capacity and additional widths.
								Please consult NLE for all Model 590 applications.

APPLICATION GUIDE Inclined Conveyors – "Z" Shaped Units

Model		Gene	ral Guideli	nes		Н	old Down V	Nheels		Minimum cleated belt recess per side = Belt Width x .10								
											Minimum corrugate belt recess per side = (Belt Width + Sidewall Height) x .10							
504 0 004							Litective width - Deit width - (hecess + confugated wan width)											
521 & 361	& 361 Maximum recommended length is 20' 45 & 60 degree (4) cams per side rather than (3)						_ Minimur	n belt reces	ss = 3" per	side								
590 & 591	90 & 591 Consult NLE				(2) 12	(2) 12" hold down wheels				Corrugated wall width = 2" per side								
	L	MODEL	521 & 36	61 CLEATE	D ONLY	MODEL 521 8	361 CLEATED	& SIDEWALLS	M	DEL 590	& 591 CL	EATED ON	ILY	MODEL	590 & 59	91 CLEATE	D & SIDE	WALLS
Belt Width	Belt Width 8" 12" 18" 24					12"	18"	24"*	12"	18"	24"	30"	36"	14"	18"	24"	30"	36"
Total Wall Width NA NA NA			NA	3"	3"	3"	NA	NA	NA	NA	NA	4"	4"	4"	4"	4"		
Effective Width 5" 9" 15"			21"	6"	12"	18"	6"	12"	18"	24"	30"	6"	8"	14"	20"	26"		

Model 521, 361, 590 & 591 Worksheet

*Maximum width available.



APPLICATION GUIDE Hinged Steel Belt Conveyors

These units are designed to convey metal. They are ideally suited for carrying hot & oily parts or scrap up an incline discharging into drums or hoppers.

When determining which hinged steel belt model fits your application, pay special attention to the unit's **belt pitch**, **frame depth and cleat height**. The larger the belt pitch the deeper the frame. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide room for taller cleats. A taller cleat will convey more product than a shorter one. A taller cleat may also be required for steeper inclines. (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat). Other unit's lower profile frames are designed to fit into tight spaces.

- Small chips (less than 1/4" x 1/4") - The compact design and the corresponding tighter tolerances of the Model 722 makes this unit the ideal choice for conveying small products. (Radial sidewings and Key Stock frame should also be included.)

- Fasteners - The Model 715 or 722 combined with radial sidewings, key stock and a flat top belt are recommended when conveying fasteners.

MODEL	DESCRIPTION	BELT Pitch	FRAME GAUGE	FRAME DEPTH	CONVENTIONAL BELT CLEAT HEIGHT	FLAT TOP Belt cleat Height	COMMENTS
715	Chip conveyor (Very small chips)	1-1/2"	14	4.125"	5/8" high on 12" centers	NA	 Since a mini-pitch (1-1/2") is smaller than a standard 2-1/2" pitch, all tolerances are also smaller, which is why this unit is ideal for conveying very small chips, stampings or turnings.
							 This unit also features a thin (4.125") infeed frame. The thin infeed allows this unit to fit into spaces a 2-1/2" pitch can't.
725	Chip conveyor	2-1/2"	12	5.375"	7/8" high on 12-1/2" centers	5/8" high on 12-1/2" centers	 This unit features a thin (5.375") infeed frame which allows it to fit into tight spaces other 2-1/2" pitch units can't
							 Since the frame is 1.25" deeper than the M715, a taller, 7/8" high cleat is able to fit into the unit. This of course provides more carrying capacity than the M715.
722*	Chip conveyor	2-1/2"	12	6.625"	7/8" high on 12-1/2" centers	5/8" high on 12-1/2" centers	 This unit's entire frame is 6-5/8" deep. This deeper frame combined with 7/8" tall cleats, make it ideal for longer run, heavier chip applications.
							 Note: This unit is also strong enough for lighter weight, shorter run scrap applications.
721*	Scrap conveyor	2-1/2"	12	8.5"	1-3/8" high on on 12-1/2" centers	1-1/8" high on 12-1/2" centers	This unit's entire frame is 8.5" deep. This unit is the industries standard 2-1/2" pitch conveyor. When using radial wings, be careful with small scrap (<1/4" x 1/4").
751	Scrap conveyor	4"	10	15.25"	3" high on 24" centers	2-3/8" high on 24" centers	The 10 gauge x 15.25" deep frame makes this unit ideal for heavy scrap conveying and large capacity applications.
760	Scrap conveyor	6"	Channel	23.25"	4" on 48" centers	NA	Used for very heavy scrap and large capacity applications.
727	Cold header	2-1/2"	12	Tapered	7/8" high on 12-1/2" centers	5/8" high 12-1/2" centers	This unit's frame is tapered from 6-5/8" to 4-1/8" and then back to 6-5/8" This unit is designed to fit into an existing machine.

* Other models in the Model 722 family	M726	Liquid tight Model 722 – Used to contain fluids within the machine.
* Other models in the Model 721 family	M720	Heavy shaft Model 721 – Provides torque for use in heavier weight, slow speed applications.
	M723	Heavy shaft, liquid tight Model 721 – Provides torque and fluid containment.
	M724	Liquid tight M721 – Used for fluid containment.
* Other models in the Model 751 family	M750	Heavy shaft Model 751 – Provides torque for use in heavier weight, slow speed applications.

APPLICATION GUIDE Hinged Steel Belt Conveyors



Magnetic Conveyors

Magnetic conveyors are typically used in applications involving very small metal particles, and/or metallic sludge. They are also used for very fine metal scrap or parts with sharp and pointed edges that may get caught up in the belt of a hinged steel belt conveyor.



Drag Conveyors

Drag conveyors are commonly used to move very small, fine chips and turnings and small-granulated scrap.



The slat conveyors belt is one long continuous chain of slats. The slats are typically made of formed 7 gauge steel, 5-7/8" wide x 1-1/2" deep. The strength of the individual slats is ideally suited to convey larger and heavier products like washing machines and large automobile parts.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	*DRIVER TYPE*	DRIVER Shaft dia.	IDLER SHAFT DIA.	STANDARD Carrier	STANDARD DRIVE
770	Slat conveyor	7	23"	15.68" pd	2.9375"	2.1875"	5-7/8" x 1-1/2" x 7 ga.	Side



Turntab The Model	IE Conveyors	cumulate products in assembly or sorting ope	rations. The Model 180 turntable is	used to turn produc	sts around very tight corners.
MODEL	DESCRIPTION	STANDARD REVOLUTION	IS / APPLICATION	RAILS	OTHER
180	Directional change turn table	2.5 revolutions per minute – typically use with a 180-degree turn and to transfer per another conveyor	ed in applications and systems roduct from the turntable to	3-1/2" stationary rails	Turntables are available in standard 3' – 8'' table diameters
181	Accumulation turn table	1-3 revolutions per minute. This unit is c accumulation and sorting applications.	lesigned for use in	6" rotating rails	Turntables are available in standard 3' – 8'' table diameters
	Mot Typically used t when space	del 180 for 180 degree turns e is very limited.	Typically used	lodel 181 I to accumulate p	products.

Wire Mesh Conveyors

Wire mesh conveyors are designed to carry hot or cold items from ovens or freezers. They are also used when items need to be washed and/or dried.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	*DRIVER TYPE*	DRIVE Shaft dia.	DRIVER SIZE	IDLER TYPE	IDLER Shaft dia.	STANDARD Carrier	STD. Drive
800 801 802	Herringbone style bed Roller bed UHMW wear strip bed	12	6.5"	4.1" pd	1.1875"		4.1" pd	1.1875"	1/2" x 1" galvanized flat wire mesh	BM

Model 800



Model 801



Model 802

High-density Plastic Wear Strip Deck:

Model 802

- An all-around cost-effective performer
- · Light- to medium-duty applications
- "Snap on, Snap off" wear strips are easy to replace

Model 800







Model 802



• The Herringbone wear strips are made of stainless steel

- · Ideal for water, high temperature and/or dirty and gritty applications
- The unique Herringbone deck pattern spreads the belt wear evenly across the belt

Model 801

Model 800

Herringbone Wear Strip Deck:

Roller Bed Deck:

- · Medium- to heavy-duty applications
- Rollers reduce friction between the wire mesh and deck optimizing drive horsepower

Belt Driven Live Roller Conveyors and Chain Driven Live Roller Conveyors APPLICATION GUIDE

These units are used to convey heavy products like loaded pallets, full drums and tires. Other applications include:

1. Side loading applications - since the rollers are stationary it is easy to side load these units.

2. Accumulation – the rollers provide the means to accumulate products with minimum back pressure.

3. Transfers and diverts – the space between the rollers provides the room to attach pneumatic pop ups, pushers or sensors to divert, transfer or accumulate products.

- Belt driven roller conveyors are less expensive than chain driven roller conveyors but they correspondingly can carry less load.

- Chain driven roller conveyors are designed for heavy weight applications. Each roller has two sprockets welded to it. Each sprocket is then attached with a chain and driven by an adjacent sprocket resulting in a positive drive unit.

				DRIVE				CAPA	CITIES
MODEL	DRIVER	FRAME Gauge	DRIVE PULLEY	PULLEY DIA.	FRAME Depth	STD. Drive*	OTHER	MAX. LIVE Load/ft.	MAX. LIVE Load/ft.
600	Belt	12	4.625"	1.1875"	6.5"	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers	50#	1500#
610	Belt	12	8.625"	1.4375"	6.5"	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers	50#	2000#
660	Belt Accumula Conveyor	12 ation	8.625"	1.4375"	6.5"	BM @	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers	50#	1500#
670	Chain	7	2.5"	.688"	6.5"	CDBM	Rollers – 2-1/2" – 11 ga. x 0.6875" hex on 6" centers	1000#	19,000#
675	Chain	1/4"	3.5"	1.063"	8"	CDBM	Rollers – 3-1/2" – .300 wall 1.0625" hex on 6" centers	2000#	30,000#



Application Summary

- Light to medium duty applications (belt driven)

Application Summary

- Medium to heavy duty applications (belt driven)

Application Summary

- Accumulation conveyor (belt driven)

Application Summary

- Medium duty applications (chain driven)

Model 675

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8 1/4" FD -

Application Summary

- Heavy duty applications (chain driven)

PlastiTrak – Plastic Belt Conveyors from New London Engineering

Our plastic belt line includes two model classifications:

MODEL	PRODUCT CLASS	COMMENTS
1) Model 1000	Narrow widths, lighter weight products	These units are typically used to convey lighter products like bottles and cans. Since the live loads for these applications are typically lighter, lighter construction features including a 12-gauge frame are standard for this unit. This conveyor is common in bottling operations, dairies and pharmaceutical plants. The M1000 chains are also ideal for multiple strand applications.
2) Model 2000	Wider widths, heavier and larger products	These units are typically used to convey larger items like boxes and cases as well as heavier products like stack of lumber or loaded pallets. This unit's durable construction and design includes a 10-gauge frame capable of handling heavier and larger products.

PlastiTrak – Model 1000 and Model 2000 Comparison Chart

MODEL	FRAME GA./ Depth	BELT WIDTHS	FRAME WIDTHS	FRAME SPREADER	SHAFTS	TYPICAL Products	RETURN ROLLERS	COMMON DEFINITIONS
1000	12 gauge 6-11/16" deep	Narrow widths (12" and less)	BW + 1/2"	12 gauge formed angle (one bend)	1-3/16" round	Cans & bottles (bottling plants)	2" x 7/16" hex	Table Top Chains
2000	10 gauge 7-5/8" deep	Wider widths (From 12" up to 100+")	BW + 7/8"	10 gauge formed channel (two bends)	1-1/2" square shafts	Cases, boxes and pallets (Man. Operations)	2-1/2" x 7/16" hex	Mat Top Belts

PlastiTrak Letter Identification Definitions

LETTER	QUICK Definition	DETAILED DEFINITION	MODELS
С	Curved Conveyors	The letter "C" means the application has either a right hand or a left hand curve.	1000-C 2000-C
F	Flighted Conveyors	These units use flighted (cleated) belts to carry products up an incline. These units always include at least one upper or lower curve. (I.E. – the curve at the horizontal to incline transition)	2000-F*
CF	Curved and Flighted Applications	The letters "CF" means the application has either a right hand or left hand curve as well as flighted (cleated) belt. These units always include at least one upper or lower curve. (I.E. – the curve is at the horizontal to incline transition)	2000-CF*
N	Nose Over Conveyors	These units use belts with a friction top surface to carry boxes and packages up an incline. These units include a nose over (N) feature at the discharge end designed to provide the boxes with a smooth transition at the discharge end.	1000-N 2000-N
S	Straight Conveyors	The letter "S" means the application is straight running. Any straight running conveyor will include the "S" letter identifier.	1000-S 2000-S

*The typical Model 1000 applications do not include products that require a flighted (cleated) belt thus it would be highly uncommon to have a Model 1000-F or 1000-CF.





ToughTrak Common Features

FRAME	INFEED PULLEY	DRIVE PULLEY FACE	STANDARD BELT	SUPPORTS
12 Gauge x 1³/4" deep (Frame width is BW + 31/32")	1 ⁵ /16" Diameter Flat Face x 1/2" Bore	Crown Face Knurled	2-Ply Black PVC with #36 Unibar Lacing	Adjustable 12 Gauge Unistrut

Design and Construction Features

ToughTrak low profile conveyors are lean and mean working machines. These steel fabricated, tough and durable conveyors are built to survive the extreme tests of the manufacturing environment. ToughTrak is not only built to last, they can be built to your exact length and width specifications at a cost lower than any other low profile conveyor.

ToughTrak Low Profile Conveyors are American made and American engineered to work harder and last longer than any competitor in its class. That's why they are called ToughTrak!



MODEL	APPLICATION	DRIVE PULLEY DIA.	DRIVE PULLEY BORE	DRIVE PULLEY BEARING	DRIVE PULLEY HEAD PLATE	DRIVE-MOTOR	TAKE UP/TRACKING
Model 150	Standard Duty Low Profile Applications	1 ⁵ / ₁₆ "	⁵ /8"	Pressed in Precision Bearings	Machined 1/2" Thick	Gearmotors	Internal @ Infeed Internal @ Discharge
Model 250	Heavy Duty Low Profile Applications	27/8"	3/4"	2 Bolt Flanged Grease Sealed	10 Gauge Formed	Motor-Reducer Combinations with 56 C Frames	Internal @ Infeed External @ Discharge

Features and Benefits Summary

1. Tough & Durable Steel Construction

- With ToughTrak you don't have to compromise your conveyors length or width since its steel construction can be made to your exact lengths and widths. (Up to 24" wide and/or 20'6" long)
- ToughTrak is constructed with U.S. made hot rolled, high quality steel. ToughTrak is engineered to survive the extreme tests of the manufacturing environment.

2. Discharge end belt tension/take up system with a 3³/₄" of belt take up

- Unlike the competition, ToughTrak's belt take up system is on the conveyor's discharge end and not at the infeed. Since the discharge end is often the most accessible end of the conveyor, belt tensioning is completed quickly and easily.
- In some applications the belt will stretch and the resulting slack must be "taken up". ToughTrak is engineered to provide 3³/₄" of belt take up (2¹/₂" at discharge and 1¹/₄" at infeed). This much take up means belts can be used longer saving you money, time and replacement part frustrations.

3. Rugged and Durable One piece, 12 gauge frame and bed with detachable bottom pan

- ToughTrak's frame and bed are laser cut from a single piece of steel providing a strong, smooth low friction slider bed surface.
- The formed frame includes a detachable bottom pan providing unmatched pinch point protection below the conveyors frame. ToughTrak's primary competitors cannot match this safety feature.

4. Bolt on Side Rails, Supports and Accessories

- The side rails, supports and accessories are easily installed and removed as necessary.

5. Quick belt change feature with U.S. standard fasteners

- When it's necessary to change a belt, hunting for metric wrenches or the costly special tool kit required by some competitors can be frustrating. American made ToughTrak eliminates this hassle since the belt can be changed with only one tool. Yes! ToughTrak belts can be changed in 10 minutes or less using only a ³/₁₆" Allen wrench. NOTE: the same wrench removes the supports and side rails.

6. Adjustable 12 Gauge Unistrut style supports

 These rugged and durable 12 gauge steel supports are designed to meet the demands of the manufacturing environment. ToughTrak supports are also readily adjustable.

7. Tough and Durable Hammertone Paint

 Specially formulated durable Hammertone Paint protects your investment against corrosion and cosmetic damage.

8. Belt Selection

Describe your application and we will provide the right belt! New London Engineering stocks belts
ranging from economical PVC to high performance Urethane. Quick delivery is not a problem since both
lacing and endless belting capabilities are available on site.

9. Quick Shipments

- Many sizes and speeds are available in our UpTime Express - 24 hour ship program.

10. ToughTrak is American made and American Engineered 🛛 🖗

Model 150 and 250 Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	BELT WIDTHS 2"		4	4")")	8"		10"		12"		18"		24"	
LENGTHS	150	250	150	250	150	250	150	250	150	250	150	250	150	250	150	250
2'	50	80	56	89	61	94	67	100	73	106	79	112	98	131	117	150
3'	54	84	60	93	67	100	74	107	81	114	88	121	111	144	133	166
4'	58	88	64	97	72	105	80	113	88	121	96	129	123	156	148	181
5'	62	92	68	101	78	111	87	120	96	129	105	138	136	169	164	197
6'	66	96	72	105	83	116	93	126	103	136	113	146	148	181	179	212
7'	70	100	76	109	89	122	100	133	111	144	122	155	161	194	195	228
8'	74	104	80	113	94	127	106	139	118	151	130	163	173	206	210	243
9'	78	108	84	117	100	133	113	146	126	159	139	172	186	219	226	259
10'	82	112	88	121	105	138	119	152	133	166	147	180	198	231	241	274

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Standard Speed Options

All speed options are available in Variable Speed. Other Speeds are available upon request.

	Model 150													
3 PHASE 3 PHASE RIGHT ANGLE IN LINE			1 PHASE Right Angle		1 PHASE In Line		DC Right Angle		DC IN LINE		AIR MOTORS			
208/230/460/3/60 208/230/460/3/60		3/60	115/1/60		VOLTAGES ARE LISTED BELOW		90V & 180V		90V & 180V					
Speed – FPM	HP	Speed – FPM	HP	Speed FPM & Voltage	НР	Speed FPM & Voltage	НР	Speed – FPM	НР	Speed – FPM	НР	Speed – FPM	HP	
15	1/4	59	1/3	14-115V	1/6	20-115V	1/6	20	1/6	21	1/4	15	1/20	
29	1/4	118	1/3	28-115V	1/6	30-115 & 230V	1/3	30	1/6	28	1/4	30	1/10	
58	1/4			57-115V	1/6	59-115 & 230V	1/3	59	1/6	57	1/4	60	1/5	
117	1/4			110-115V	1/6	118-115 & 230V	1/3	119	1/6	86	1/4	120	1/3	

Model 250

HP	VOLTAGES	SPEEDS – FPM					
1/3 HP & 1/2 HP 56 C Frame TEFC Motors and Reducers	115/230/1/60 & 230/460/3/60	15, 20, 25, <mark>30,</mark> 35, 40, 45, <mark>60,</mark> 90					
1/4 HP & 1/2 HP 56 C Frame TEFC Motors and Reducers	90V & 180V DC	15, 20, 25, <mark>30,</mark> 35, 40, 45, <mark>60,</mark> 90					

*Uptime Express shipments are shaded in blue.

Skid Dimensions

Model 150 and Model 250 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	2"	4"	6"	8"	10"	12"	18"	24"				
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	25"	25"	30"	41"				
Shaft and Side Mount Skid Width	25"	25"	25"	25"	30"	30"	41"	41"				

Skid Length – Model 150's and 250's ship knocked down on either a 7' or 11' long skid. Use either of these lengths for frt. estimates. Up to 50' of conveyor can be stacked on one skid.

Load Capacity Charts

WIDT	H	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"
MAXIMU Live Lo/	JM Ad	LIVE LOAD											
MODEL 150	#	60	120	180	240	300	360	420	416	432	420	418	432
MODEL 250	#	84	168	252	336	420	504	588	640	648	640	660	648

*Use this chart as a guideline only. Applications and drive selection factors will vary. Capacities are based on the following: Uniform, non-accumulating horizontal belt travel with the conveyor empty at start up and a pulling not pushing drive.

Model 150 Center Drives*









DRIVE #2

Center Drive* • Frame Mount • Inline Gearmotor • Under Belt



Center Drive* • Frame Mount • Right Angle Gearmotor • Discharge Facing



DRIVE #4 Center Drive* • Frame Mount • Right Angle Gearmotor • Infeed Facing

*Center mounts are typically mounted in the center (middle) of the conveyor.

If you require the mount location to be off center (closer to the infeed or discharge), please specify at time of order. All 150 diagrams are shown with DC drives. All dimensions are subject to change.

Model 150 Center Drives*



Model 150 End Drives – Bottom Mounts



Side Infeed Discharge 9/16" PAST BW + CONVEYOR END BW + 4" 31/32' DRIVE OAW 13 3/4" FROM INFEED 2 5/8" -BW-CONVEYOR END OAW 9 1/8" BELOW BELT 7/16' ABOVE **DRIVE #8** End Drive • Bottom Mount • Right Angle Gearmotor • Infeed Facing

Model 150 End Drives – Top Mounts









Model 150 End Drives – Shaft Mounts









Model 250 Center Drives





DRIVE #18

Center Drive • Bottom Mount • Infeed Facing



 Infeed
 Side
 Discharge

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Model 250 Center Drives





DRIVE #22

Center Drive • Shaft Mount • Infeed Facing

Model 250 End Drives – Bottom Mounts



DRIVE #23

End Drive • Bottom Mount • Infeed Facing

Model 250 End Drives – Top Mounts



Model 250 End Drives – Top Mounts



DRIVE #25

End Drive • Top Mount • Discharge Facing

Model 250 End Drives – Side Mounts



DRIVE #26

End Drive • Side Mount • Infeed Facing

Model 250 End Drives – Shaft Mounts



Stainless Steel



12-Gauge Dull Mill #304-2B Finish

Level 1 – Fully Loaded Stainless Steel Construction

All the conveyor components, hardware, belt lacing and options are produced with non magnetic stainless steel.

Level 2 – Surface Component Stainless Steel Construction All the surface and exposed components are replaced with non-magnetic stainless

are replaced with non-magnetic stainless steel. All other components remain standard.



ToughTrak Side Rails

The standard rail height is 1". Other siderail options are listed below. Special heights and special designs are available upon request. All rails are available with UHMW lining.



MODEL 180 & 181 Turntable Conveyors

MODEL 181

Accumulation & Sorting Turntable This unit is used in applications to accumulate or sort products to orientate them allowing the operator to perform a variety of tasks. The deck can be made of carbon or stainless steel.



MODEL 180 Directional Change Turntable Typically used in sorting applications and systems with a 180 degree turn. These units can turn products 180 degrees in spaces traditional units can't.



MODEL 180 & 181 Turntable Conveyors

Model 180 Standard Specifications

Standard Table Diameters: 3' to 8' Standard Speed: 2.5 Revolutions per Minute Standard Motor: 1/2 Hp 230/460/3/60 TEFC Standard Drive: Bottom Mounted Under Table: Chain Driven Direct Drive Standard Siderails: 3-1/2" Vertical Stationary Bearings: Grease Sealed Standard Supports: 30" Elevation Top of Belt Standard Frame: 12 Gauge Carbon Steel with a 2" Edge Carrier Platform: 1/4" Steel Plate Rotates

on Heavy Duty Casters

Infeed: Gravity Roller or Skate Wheel Approaches

Turntable Conveyor Comparison Chart

Turntable Conveyors

Model 181 Standard Specifications

Standard Table Diameters: 3' to 8'
Standard Speed: 1-3 Revolutions per Minute
Standard Motor: 1/4 HP 90V DC Motor and DC Controller
Standard Drive: Bottom Mount
Standard Siderails: 6" High Rotating
Bearings: Grease Sealed
Standard Supports: 30" Elevation Top of Belt

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	STANDARD REVOLUTIONS/ Application	RAILS	STANDARD DRIVE	OTHER
180	Directional change turn table	12	2"	2.5 revolutions per minute – Typically used in sorting applications and systems with a 180 degree turn. These units will fit in tight spaces traditional radios curve units	3-1/2" stationary rails	Bottom	Turntables are available in
181	Accumulation turn table	12	2"	1-3 revolutions per minute – This unit is designed for use in accumulation and sorting applications	6" rotating rails	Bottom	standard 3' – 8' table diameters

Unit Weights (Shipping Weights – Ibs.)

DIAMETER	MODEL 181	MODEL 180
3'	274	305
4'	376	455
5'	517	620
6'	654	785

Conveyor weights include standard drive and supports. Model 181 also includes 6" high rotating rails Model 180 also includes 3.5" high fixed rails



MODEL 200 Standard Duty Slider Bed

This is an economical shallow frame conveyor. The shallow frame is designed to fit into tight spaces other slider beds can't. It's built for low maintenance operation in shorter and narrower light duty production and packaging operations.



😓 Uptime Express – 24 hour widths are shaded in blue.

Belt Width:	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
Frame Width:	7"	11"	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS
MODEL 200 Standard Duty Slider Bed

Standard Specifications

Widths: Up to 30"
Lengths: 5'- 40' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/3 HP 230/460/3/60 TEFC
Standard Drive: Bottom Mount, Right Side Standard Belt: Black PVC 120, Clipper Lacing
Drive Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16"
Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16"
Frame: 2-3/4" Deep x 12 Gauge
Standard Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. Drive	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights - lbs.)

BELT WIDTHS	4"	6"	8"	10"	12"	16"	18"	20"	24"	30"
LENGTHS										
5'	208	223	231	252	257	285	290	317	327	347
10'	238	263	271	302	307	350	355	387	397	432
15'	315	352	360	401	406	465	470	503	513	558
20'	345	392	400	451	456	530	535	573	583	643
25'	422	481	489	550	555	645	650	689	699	769
30'	452	521	529	600	605	710	715	759	769	854
35'	529	610	618	699	704	825	830	875	885	980
40'	559	650	658	749	754	890	895	945	955	1065

Conveyor weights include standard drive and supports. Accessories, crating etc. are not included.

Skid Dimensions

Model 200 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	6"	8"	10"	12"	18"	20"	24"	30"			
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	25"	30"	30"	41"	41"			
Shaft and Side Mount Skid Width	25"	25"	25"	30"	30"	41"	41"	41"	46"			

Skid Length - Model M200's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid.

MODEL 210 Medium Duty Slider Bed



versatile enough to get into tight spaces and durable enough for applications up to 36" wide and 100' long. It is built for low maintenance operation in medium duty production, assembly and packaging operations.



Uptime Express – 24 hour widths are shaded in blue.

Belt Width:	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
Frame Width:	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"



MODEL 210 Medium Duty Slider Bed

Standard Specifications

Widths: Up to 36" Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount, Right Side Standard Belt: Black PVC 120, Clipper Lacing Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16" Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" Frame: 2-3/4" Deep x 12 Gauge Bearings: Grease Sealed Standard Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED Pulley Type*	INFEED PULLEY Shaft Dia.	STANDARD Belt	STD. Drive	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
LENGTHS										
5'	228	262	282	314	320	325	346	350	394	476
10'	305	341	361	394	400	405	434	438	493	596
15'	412	450	470	509	515	520	557	561	627	768
20'	489	529	549	589	595	600	645	649	726	888
25'	596	638	658	704	710	715	768	772	860	1060
30'	673	717	737	784	790	795	856	860	959	1180
35'	780	826	846	899	905	910	979	983	1093	1352
40'	857	905	925	979	985	990	1067	1071	1192	1472
45'	964	1014	1034	1094	1100	1105	1190	1194	1326	1644
50'	1041	1093	1113	1174	1180	1185	1278	1282	1425	1764
55'	1148	1202	1222	1289	1295	1300	1401	1405	1559	1936
60'	1225	1281	1301	1369	1375	1380	1489	1493	1658	2056

Conveyor weights include standard drive and supports. Accessories, crating etc. are not included.

Skid Dimensions

Model 210 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"			
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	30"	41"	41"	46"			
Shaft and Side Mount Skid Width 25" 30" 30" 41" 41" 41" 46" 56"													
Skid Length – Model M210's ship knockey	down on 11	long skide l	lea this lanat	h for frt actir	natae n to P	50' of convey	or can be stad	kad on one cl	kid				

Skid Length – Model M210's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid.

MODEL 220 Medium – Heavy Duty Slider Bed





➡ Uptime Express – 24 hour widths are shaded in blue.

Belt Width:	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
Frame Width:	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"	46"	52"



MODEL 220 Medium – Heavy Duty Slider Bed

Standard Specifications

Widths: Up to 48"
Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Bottom Mount, Right Side Standard Belt: Black PVC 120, Clipper Lacing
Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16"
Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16"
Frame: 5-1/2" Deep x 12 Gauge
Standard Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE Pulley Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft DIA.	STANDARD Belt	STD. DRIVE	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
LENGTHS													
5'	248	295	330	335	375	380	385	420	425	455	490	575	645
10'	345	395	430	435	480	485	490	535	540	585	645	745	835
15'	477	531	566	571	622	627	632	688	693	754	840	956	1067
20'	574	631	666	671	727	732	737	803	808	884	995	1126	1257
25'	706	767	802	807	869	874	879	956	961	1053	1190	1337	1489
30'	803	867	902	907	974	979	984	1071	1076	1183	1345	1507	1679
35'	935	1003	1038	1043	1116	1121	1126	1224	1229	1354	1540	1718	1911
40'	1032	1103	1138	1143	1221	1226	1231	1339	1344	1482	1695	1888	2101
45'	1164	1239	1274	1279	1363	1368	1373	1492	1497	1651	1890	2099	2333
50'	1261	1339	1374	1379	1468	1473	1478	1607	1612	1781	2045	2269	2523
55'	1393	1475	1510	1515	1610	1615	1620	1760	1765	1950	2240	2480	2755
60'	1490	1575	1610	1615	1715	1720	1725	1875	1880	2080	2395	2650	2945

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 220 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48 "
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	41"	41"	41"	47"	53"	59"
Shaft and Side Mount Skid Width	25"	25"	30"	30"	41"	41"	41"	41"	46"	52"	58"	64"

Skid Length – Model M220's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid.

MODEL 221 Heavy Duty Slider Bed

(Model 221 is a heavy drive shaft model 220)

 Image: constrained of the state of the

Belt Width:	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
Frame Width:	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"	46"	52"



MODEL 221 Heavy Duty Slider Bed

Standard Specifications

Widths: Up to 48"
Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Bottom Mount, Right Side Standard Belt: Black PVC 120, Clipper Lacing
Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-11/16"
Infeed Pulley: 4" Dia Crown Face Take Up x 1-7/16"
Frame: 5-1/2" Deep x 12 Gauge
Standard Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY SHAFT DIA.	STANDARD BELT	STD. Drive	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
LENGTHS													
5'	253	301	338	343	383	388	393	429	434	465	500	590	660
10'	350	401	438	443	488	493	498	544	549	595	655	760	850
15'	482	537	574	579	630	635	640	697	702	764	850	971	1082
20'	579	637	674	679	735	740	745	812	817	894	1005	1141	1272
25'	711	773	810	815	877	882	887	965	970	1063	1200	1352	1504
30'	808	873	910	915	982	987	992	1080	1085	1193	1355	1522	1694
35'	940	1009	1046	1051	1124	1129	1134	1233	1238	1362	1550	1733	1926
40'	1037	1109	1146	1151	1229	1234	1239	1348	1353	1492	1705	1903	2116
45'	1169	1245	1282	1287	1371	1376	1381	1501	1506	1661	1900	2114	2348
50'	1266	1345	1382	1387	1476	1481	1486	1616	1621	1791	2055	2284	2538
55'	1398	1481	1518	1523	1618	1623	1628	1769	1774	1960	2250	2495	2770
60'	1495	1581	1618	1623	1723	1728	1733	1884	1889	2090	2405	2665	2960

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 221 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42 "	48 "		
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	41"	41"	41"	47"	53"	59"		
Shaft and Side Mount Skid Width 25" 25" 30" 41" 41" 41" 46" 52" 58" 64"														
Skid Length – Model M221's ship knocker	down on [.]	11' lona ski	ds. Use thi	s length for	frt. estima	tes. Un to 5	50' of conve	evor can be	stacked on	one skid				

MODEL 301 Standard Duty V-Guided Slider Bed



Belt Width:	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
Frame Width:	7"	11"	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"



MODEL 301 Standard Duty V-Guided Slider Bed

Standard Specifications

Widths: Up to 30" Wide
Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Bottom Mount, Right Side
Standard Belt: Black PVC 120 with "A" Section, "V-Guide" Drive Pulley: 4" Dia Flat Face Rubber Lagged x 1-3/16" with "A" Section, "V-Guide" Infeed Pulley: 4" Dia Flat Face Take Up x 1-3/16" with "A" Section, "V-Guide" Frame: 6-5/8" Deep x 12 Gauge Bearings: Grease Sealed Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft DIA.	STANDARD BELT	STD. Drive	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
LENGTHS											
5'	230	257	267	287	300	333	345	365	379	400	421
10'	280	317	327	357	370	419	431	451	482	503	539
15'	364	412	422	463	476	542	554	574	623	644	696
20'	414	472	482	533	546	628	640	660	726	747	814
25'	498	567	577	639	652	751	763	783	867	888	971
30'	548	627	637	709	722	837	849	869	970	991	1089
35'	632	722	732	815	828	960	972	992	1111	1132	1246
40'	682	782	792	885	898	1046	1058	1078	1214	1235	1364

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 301 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	6"	8"	10"	12"	18"	20"	24"	30"
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	25"	30"	30"	41"	41"
Shaft and Side Mount Skid Width	25"	25"	25"	30"	30"	41"	41"	41"	48"
Okid Langth Madel M004/a ship lupseling	با مامینیم میر ۱۹۹	امیر مارامام الم	الما المسمعة الم	fut antimates			بيبو المرامطة	1.2.4	

Skid Length – Model M301's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid.

MODEL 311 Medium Duty V-Guided Slider Bed

MEW LONDON ENGINEERING . Photo of a V-Guided Belt and Frame Photo showing both the This V-guided conveyor has a V-guided frame and pulley Photo of an "A" section V-Guided Belt

rubber guide vulcanized to the underside of the belt. The frame and pulleys are then grooved/notched to provide a track for the rubber guided belt. This "guided" system keeps the belt centered for side loading, long run and short but wide applications.





Belt Width:	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	40"
Frame Width:	7"	11"	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"	44"



MODEL 311 Medium Duty V-Guided Slider Bed

Standard Specifications

Widths: Up to 48" Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount, Right Side Standard Belt: Black PVC 120 with "A" section, "V-Guide" Drive Pulley: 8" Dia Flat Face Rubber Lagged x 1-7/16" with "A" section, "V-Guide" Infeed Pulley: 4" Dia Flat Face Take Up x 1-3/16" with "A" section, "V-Guide" Frame: 6-5/8" Deep x 12 Gauge Bearings: Grease Sealed Standard Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY SHAFT DIA.	STANDARD BELT	STD. Drive	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
LENGTHS													
5'	234	263	295	320	343	357	370	391	412	435	500	549	598
10'	284	323	365	390	429	443	456	494	515	553	665	733	801
15'	368	418	471	496	552	566	579	635	656	710	870	958	1046
20'	418	478	541	566	638	652	665	738	759	828	1035	1142	1249
25'	502	573	647	672	761	775	788	879	900	985	1240	1367	1494
30'	552	633	717	742	847	861	874	982	1003	1103	1405	1551	1697
35'	636	728	823	848	970	984	997	1123	1144	1260	1610	1776	1942
40'	686	788	893	918	1056	1070	1083	1226	1247	1378	1775	1960	2145
45'	770	883	999	1024	1179	1193	1206	1367	1388	1535	1980	2185	2390
50'	820	943	1069	1094	1265	1279	1292	1470	1491	1653	2145	2369	2593
55'	904	1038	1175	1200	1388	1402	1415	1611	1632	1810	2350	2594	2838
60'	954	1098	1245	1270	1474	1488	1501	1714	1735	1928	2515	2778	3041

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 311 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	41"	41"	41"	47"	53"	59"	
Shaft and Side Mount Skid Width 25" 25" 30" 41" 41" 41" 46" 52" 58" 64"													
Skid Length - Model M311's ship knocker	down on	11' long eki	de llea thi	e lonath foi	frt actima	tae Un ta P	50° of conve	wor can ha	stacked or	one skid	•		

Skid Length – Model M311's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid

MODEL 321 Heavy Duty V-Guided Slider Bed



Belt Width:	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	40"	54"	60"
Frame Width:	7"	11"	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"	44"	58"	64"



MODEL 321 Heavy Duty V-Guided Slider Bed

Standard Specifications

Widths: Up to 68" Wide
Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Bottom Mount, Right Side
Standard Belt: Black PVC 120 with "A" section, "V-Guide" Drive Pulley: 8" Dia Flat Face Rubber Lagged x 1-11/16" with "A" section, "V-Guide"
Infeed Pulley: 4" Dia Flat Face Take Up x 1-7/16" with "A" section, "V-Guide"
Frame: 6-5/8" Deep x 12 Gauge
Bearings: Grease Sealed
Standard Supports: 30" Elevation Top of Belt

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft DIA.	STANDARD Belt	STD. Drive	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
LENGTHS													
5'	243	274	308	308	308	358	358	408	408	454	521	572	623
10'	293	334	378	378	378	444	444	511	511	572	686	756	826
15'	377	429	484	484	484	567	567	652	652	729	891	981	1071
20'	427	489	554	554	554	653	653	755	755	847	1056	1165	1274
25'	511	584	660	660	660	776	776	896	896	1004	1261	1390	1519
30'	561	644	730	730	730	862	862	999	999	1122	1426	1574	1722
35'	645	739	836	836	836	985	985	1140	1140	1279	1631	1799	1967
40'	695	799	906	906	906	1071	1071	1243	1243	1397	1796	1983	2170
45'	779	894	1012	1012	1012	1194	1194	1384	1384	1554	2001	2208	2415
50'	829	954	1082	1082	1082	1280	1280	1487	1487	1672	2166	2392	2618
55'	913	1049	1188	1188	1188	1403	1403	1628	1628	1829	2371	2617	2863
60'	963	1109	1258	1258	1258	1489	1489	1731	1731	1947	2536	2801	3066

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 321 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	41"	41"	41"	47"	53"	59"
Shaft and Side Mount Skid Width	25"	25"	30"	30"	41"	41"	41"	41"	46"	52"	58"	64"
Pirit Length Madel M201's ship impoled down on 11' long skide. Use this length for fit, estimates Up to 50' of conveyor con be stealed on one skide												

Skid Length - Model M321's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid

MODEL 640 Heavy Duty Belt Over Roller Bed

Heavy Duty Model 640 with a 7 ga. Frame x 2.5" dia. x 11 ga. rollers



Roller beds are used to convey heavy loads longer distances. (Pallets, wash machines, tires) Consider using a roller bed when your live load per foot exceeds 50#. This heavy-duty, industrial-use conveyor is made with a roller bed carrying surface that reduces friction to increase load-moving capacity with lower power requirements.

Belt Width:	8"	12"	18"	24"	30"	36"
Frame Width:	10"	14"	20"	26"	32"	36"



MODEL 640 Heavy Duty Belt Over Roller Bed

Standard Specifications

Widths: Up to 36" Lengths: 5'- 100' (6" Increments) Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount, Right Side Standard Belt: Black PVC 120, Clipper Lacing Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16" Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" Frame: 6-1/2" x 1-1/4" Deep x 12 Gauge Bearings: Grease Sealed Standard Rollers: 2" Diameter x 16 Ga with 716" Hex Shaft on 6" Centers Standard Supports: 30" Top of Roller

Horizontal Conveyor Comparison Chart

Horizontal Conveyors — These units are used to convey everything from boxes to small pallets.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE Pulley Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. DRIVE	OTHER
200	Standard duty slider bed	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
210	Medium duty slider bed	12	2.75"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
220	Medium – heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom	Base length = 5'
221	Heavy duty slider bed	12	5.5"	8.625"	CFRL pulley	1.6875"	4"	CF pulley	1.4375"	2 ply black PVC 120	Bottom	Heavy shaft M220
301	Standard duty V-guided slider bed	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M200
311	Medium duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.4375"	4"	FF "A" section	1.1875"	2 ply black PVC 120 "A" section V-guided	Bottom	V-guided deep frame M220
321	Heavy Duty V-guided slider bed	12	6.625"	8.625"	FFRL "A" section	1.6875"	4"	FF "A" section	1.4375"	2 ply black PVC 120 "A" section V-guided	Bottom	Heavy shaft M311
640	Heavy duty belt over roller bed	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ dis.	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	8"	12"	18"	24"	30"	36"
LENGTHS						
5'	310	337	378	419	460	501
10'	379	422	486	550	615	679
15'	484	544	632	720	810	898
20'	553	629	740	851	965	1076
25'	658	751	886	1021	1160	1295
30'	727	836	994	1152	1315	1473
35'	832	958	1140	1322	1510	1692
40'	901	1043	1248	1453	1665	1870

Skid Dimensions

Model 640 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	12"	18"	24"	30"	36"							
Bottom, Top & Center Mount Skid Width	20"	24"	30"	36"	42"	48"							
Shaft and Side Mount Skid Width 32" 36" 42" 48" 54" 60"													
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Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.



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MODEL 410 Medium Duty Floor-to-Floor Conveyor



These units are typically used to carry boxes (packaged items) up inclines or down declines. What differentiates these units from cleated belt conveyors are its cost, belt and a nose-over feature. Since these units typically convey boxed or packaged items, a rubber rough top belt is used rather than a cleated belt to move products. The low cost of a rough top belt compared to a cleated belt combined with the low cost slider bed construction makes these units an economical incline/decline conveyor choice. The nose-over allows a smooth transition from the incline to the horizontal.

Note: For most applications, the maximum incline angle is 30 degrees. If a 30-degree incline is exceeded boxes may slip or tumble. Consider using a cleated inclined conveyor for these steeper incline applications (Model 500 series). Also, a center drive is recommended for reversing applications.

EW LONDON ENGINEER

Noseover



Model 410 without Power Feeder







A medium-duty inclined conveyor built for moving narrower and lighter items up shorter levels. It features a space-saving shallow frame and a double nose-over discharge that provides smooth incline to horizontal transition.

Belt Width:	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
Frame Width:	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"



MODEL 410 Medium Duty Floor-to-Floor Conveyor

Standard Specifications

Widths: Up to 30" Lengths: 5'- 40' (6" Increments) Standard Speed: 60 FPM Standard Motor: 1/3 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount, Right Side Standard Belt: Black Rubber Rough Top, Clipper Lacing Drive Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16" Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" Frame: 2-3/4" Deep x 12 Gauge Bearings: Grease Sealed Standard Supports: 30" Elevation Top of Belt Standard Nose-Over: Adjustable Double Nose-Over Power Feeder: Power feeders are optional.

Floor to Floor Conveyor Comparison Chart

Floor to Floor Conveyors — These units are typically used to carry boxes (packaged items) up inclines or down declines. What differentiates these units from cleated belt conveyors are its cost, belt and a nose-over feature.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	PULLEY PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	PULLEY PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
410	Medium duty floor to floor conveyor	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply 150 black rubber rough top	Bottom	Unit includes an adjustable nose over. Inclines use a M200 frame (Power feeders are optional)
420	Heavy duty floor to floor conveyor	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply 150 black rubber rough top	Bottom	Unit includes an adjustable nose over. Inclines use a M220 frame (Power feeders are optional)

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
LENGTHS										
2.5'	360	380	397	420	450	470	490	515	545	605
10'	396	416	441	464	508	528	548	586	616	690
15'	467	487	520	543	601	621	641	692	722	810
20'	503	523	564	587	659	679	699	763	793	895
25'	574	594	643	666	752	772	792	869	899	1015
30'	610	630	687	710	810	830	850	940	970	1100
35'	681	701	766	789	903	923	943	1046	1076	1220
40'	717	737	810	833	961	981	1001	1117	1147	1305

Conveyor weights include standard drive, supports, noseover and 3' long power feeder. Other options, carating etc. are not included.

Skid Dimensions

Model 410 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"				
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	30"	41"	41"				
Shaft and Side Mount Skid Width 25" 30" 30" 41" 41" 41" 46"													
Skid Length - Model M410's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid													



MODEL 420 Heavy Duty Floor to Floor Conveyor



Model 420 without PowerFeeder







A heavy duty inclined conveyor built for moving large and awkward items from floor to floor. It features a sturdy, heavy duty frame and a double nose-over discharge that provides a smooth incline to horizontal transition.

Belt Width:	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
Frame Width:	11"	15"	15"	21-1/2"	21-1/2"	21-1/2"	28"	28"	34"	40"	46"	52"



MODEL 420 Heavy Duty Floor to Floor Conveyor

Standard Specifications

Widths: Up to 48"
Lengths: 5'- 100' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Bottom Mount, Right Side
Standard Belt: Black Rubber Rough Top, Clipper Lacing Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16" Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" Frame: 5-1/2" Deep x 12 Gauge Bearings: Grease Sealed Standard Supports: 30" Elevation Top of Belt Standard Nose-Over: Adjustable Double Nose-Over Power Feeder: Power Feeders are Optional

Floor to Floor Conveyor Comparison Chart

Floor to Floor Conveyors — These units are typically used to carry boxes (packaged items) up inclines or down declines. What differentiates these units from cleated belt conveyors are its cost, belt and a nose-over feature.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVE PULLEY SIZE	PULLEY PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	PULLEY PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
410	Medium duty floor to floor conveyor	12	2.75"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply 150 black rubber rough top	Bottom	Unit includes an adjustable nose over. Inclines use a M200 frame (Power feeders are optional)
420	Heavy duty floor to floor conveyor	12	5.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply 150 black rubber rough top	Bottom	Unit includes an adjustable nose over. Inclines use a M220 frame (Power feeders are optional)

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
LENGTHS												
5'	376	438	460	499	520	545	569	600	638	697	756	865
10'	426	496	518	571	592	617	655	686	737	821	896	1020
15'	511	590	612	680	701	726	779	810	875	985	1077	1217
20'	561	648	670	752	773	798	865	896	974	1109	1217	1372
25'	646	742	764	861	882	907	989	1020	1112	1273	1398	1569
30'	696	800	822	933	954	979	1075	1106	1211	1397	1538	1724
35'	781	894	916	1042	1063	1088	1199	1230	1349	1561	1719	1921
40'	831	952	974	1114	1135	1160	1285	1316	1448	1685	1859	2076

Conveyor weights include standard drive, supports, noseover and 3' long power feeder. Other options, crating etc. are not included

Skid Dimensions

Model 420 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"
Bottom, Top & Center Mount Skid Width	25"	25"	25"	25"	30"	30"	41"	41"	41"	47"	53"	59"
Shaft and Side Mount Skid Width	25"	25"	30"	30"	41"	41"	41"	41"	46"	52"	58"	64"
Skid Length - Model M420's ship knocked down on 11' long skids. Use this length for frt. estimates. Up to 50' of conveyor can be stacked on one skid.												



MODEL 500 Standard Duty Inclining Conveyor

This lightweight shallow frame parts conveyor provides the flexibility to be used in both horizontal and inclined applications. Typically these units convey lighter weight and smaller products like empty plastic bottles or cans, bottle caps, screws, nuts & bolts and small stampings. This unit is an economical choice for narrow, shorter run inclining applications.

Photo includes

infeed hopper.

an optional

This is a photo of an optional wheeled undercarriage support system

These units include two features (side rails and cleats) specifically designed to catch, carry and contain loose, unpackaged items like plastic parts, nuts and bolts or stampings. The cleats catch the loosely wrapped products and carry them upwards while the side rails contain products within the cleat and the conveyor sides. Typically unboxed, loose products like plastic parts and stampings are loaded into an attached hopper and then discharged into bins or drums. To prevent "spill over", the Model 500 should not exceed a 45-degree incline angle. Consider using the deeper frame, taller cleat Model 505 when the incline is greater than 45 degrees.



Uptime Express – 24 hour widths are shaded in blue.

Belt Width:	4"	6"	8"	12"	18"	24"	30"
Frame Width:	7"	11"	11"	15"	21-1/2"	28"	34"



MODEL 500 Standard Duty Inclining Conveyor

Standard Specifications

Widths: 4" – 30"
Lengths: Up to 20' (6" Increments) Standard Length is 4', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 1/3 HP 230/460/3/60 TEFC
Standard Drive: Top Mount, Right Side
Standard Belt: Black PVC 120 with 1-1/2" High Cleats on

12' Centers, Clipper Lacing

Drive Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16" **Infeed Pulley:** 4" Dia Crown Face Take Up x 1-3/16" **Frame:** 6-5/8" Deep x 12 Gauge

Others: Base unit includes 3-1/2" High Side Rails and a Bottom Pan

Note: Infeed hoppers and discharge chutes are optional

Inclined Conveyors – Horizontal Inclined Units Comparison Chart

Inclined Conveyors - Horizontal Inclined Units - These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings up inclines

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED Pulley Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
150	Standard duty low profile inclining conveyor	12	1.75" + cleat height	2.875"	CF knurled pulley	.75"	1.3125"	FF pulley	.5"	2 ply black PVC 70	Bottom	Note: Frame depth changes with cleat height
500	Standard duty inclining conveyor	12	6.625"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers	Тор	Unit includes 1-1/2" or 3/12" rails and a bottom pan
505	Medium duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Unit includes 6" high siderails
506	Heavy duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Heavy drive shaft M505
351	Standard duty V-guided inclining conveyor	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M500

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	4"	8"	12"	18"	24"	30"
LENGTHS						
4'	244	267	300	333	364	395
8'	297	322	374	426	477	528
12'	385	413	485	557	629	701
16'	438	468	559	650	742	834
20'	526	559	670	781	894	1007
24'	579	614	744	874	1007	1140
28'	667	705	855	1005	1159	1313

Conveyor weights include standard drive, supports and 3-1/2" high siderails. Other options, crating etc. are not included.

Skid Dimensions

Model 500 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	8"	12"	18"	24"	30"							
Bottom, Top & Center Mount Skid Width	15"	19"	23"	29"	35"	41"							
Shaft and Side Mount Skid Width	20"	24"	28"	34"	40"	46"							
Skid Lansth These units are twicely shipped accompled. The skid length is the everyll length + 10" Mavimum skid length is 27													

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 12". Maximum skid length is 27'.

MODEL 505 Medium Duty Inclining Conveyor



MODEL 505 Medium Duty Inclining Conveyor

Standard Specifications

Widths: 12" – 48" Lengths: 5'– 25' (6" Increments) Standard Length is 5', Two Piece Bolt Together Standard Speed: 60 FPM Standard Motor: 3/4 HP 230/460/3/60 TEFC Standard Drive: Top Mount, Right Side Standard Belt: Black PVC 120 with 3" high cleats on 12" centers, Clipper Lacing Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16" Infeed Pulley: 8" Dia Crown Face Take Up x 1-7/16" Frame: 13" Deep x 10 Gauge Bearings: Grease Sealed Others: Base unit includes 6" high side rails and bottom pan

Inclined Conveyors – Horizontal Inclined Units Comparison Chart

Inclined Conveyors - Horizontal Inclined Units - These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings up inclines

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE Pulley Shaft. Dia.	INFEED PULLEY SIZE	INFEED Pulley Type*	INFEED Pulley Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
150	Standard duty low profile inclining conveyor	12	1.75" + cleat height	2.875"	CF knurled pulley	.75"	1.3125"	FF pulley	.5"	2 ply black PVC 70	Bottom	Note: Frame depth changes with cleat height
500	Standard duty inclining conveyor	12	6.625"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers	Тор	Unit includes 1-1/2" or 3/12" rails and a bottom pan
505	Medium duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Unit includes 6" high siderails
506	Heavy duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Heavy drive shaft M505
351	Standard duty V-guided inclining conveyor	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M500

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"	40"	48"
LENGTHS							
5'	503	558	613	664	715	766	818
10'	660	757	840	916	993	1080	1168
15'	853	993	1105	1207	1311	1435	1560
20'	1010	1192	1332	1459	1589	1749	1910
25'	1203	1428	1597	1750	1907	2104	2302
30'	1360	1627	1824	2002	2185	2418	2652

Conveyor weights include standard drive, supports and 6" high siderails. Other options, crating etc. are not included.

Skid Dimensions

Model 505 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	12"	18"	24"	30"	36"	48"				
Bottom, Top & Center Mount Skid Width	25"	30"	41"	41"	47"	59"				
Shaft and Side Mount Skid Width	30"	41"	41"	46"	52"	64"				
Skid Length – These units are typically shipped assembled. The skid length is the overall length + 12". Maximum skid length is 27'.										

ength – These units are typically shipped assembled. The skid length is the overall length + 12 , Maximum skid length is 27 .

MODEL 506 Heavy Duty Inclining Conveyor



MODEL 506 Heavy Duty Inclining Conveyor

Standard Specifications

Widths: 12" – 48"
Lengths: 5'– 25' (6" Increments) Standard Length is 5', Two Piece Bolt Together
Standard Speed: 60 FPM
Standard Motor: 3/4 HP 230/460/3/60 TEFC
Standard Drive: Top Mount, Right Side
Standard Belt: Black PVC 120 with 3" high cleats on 12" centers, Clipper Lacing Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-11/16" Infeed Pulley: 8" Dia Crown Face Take Up x 1-7/16" Frame: 13" Deep x 10 Gauge Bearings: Grease Sealed Others: Base unit includes 6" high side rails and bottom pan

Inclined Conveyors – Horizontal Inclined Units Comparison Chart

Inclined Conveyors - Horizontal Inclined Units - These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings up inclines

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE Pulley Shaft. Dia.	INFEED PULLEY SIZE	INFEED Pulley Type*	INFEED Pulley Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
150	Standard duty low profile inclining conveyor	12	1.75" + cleat height	2.875"	CF knurled pulley	.75"	1.3125"	FF pulley	.5"	2 ply black PVC 70	Bottom	Note: Frame depth changes with cleat height
500	Standard duty inclining conveyor	12	6.625"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers	Тор	Unit includes 1-1/2" or 3/12" rails and a bottom pan
505	Medium duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Unit includes 6" high siderails
506	Heavy duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Heavy drive shaft M505
351	Standard duty V-guided inclining conveyor	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M500

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"	40"	48"
LENGTHS							
5'	508	564	620	672	724	776	829
10'	665	763	847	924	1002	1090	1179
15'	858	999	1112	1215	1320	1445	1571
20'	1015	1198	1339	1467	1598	1759	1921
25'	1208	1434	1604	1758	1916	2114	2313
30'	1365	1633	1831	2010	2194	2428	2663

Conveyor weights include standard drive, supports and 6" high siderails. Other options, crating etc. are not included.

Skid Dimensions

Model 506 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	12"	18"	24"	30"	36"	48"				
Bottom, Top & Center Mount Skid Width	25"	30"	41"	41"	47"	59"				
Shaft and Side Mount Skid Width 30" 41" 41" 46" 52" 64"										
Skid Length – These units are typically shipped assembled. The skid length is the overall length + 12". Maximum skid length is 27'.										

MODEL 351 Standard Duty V-Guided Inclining Conveyor

This lightweight shallow frame parts conveyor provides the flexibility to be used in both horizontal and inclined applications. This unit includes a cleated belt and siderails making it the right choice for narrow, shorter run. inclined V-guided applications. Photo includes an Photo of a V-Guided Belt and Frame optional flared infeed hopper Photo showing both the Photo of an "A" section V-Guided Belt V-guided frame and pulley A V-guided system keeps the belt centered for use in side loading and wide applications. They are also necessary when the application is as short as it is wide. Typically V-guides are recommended if the conveyor length is less than 2.5 times the belt width.

Belt Width:	4"	8"	12"	18"	24"	30"
Frame Width:	7"	11"	15"	21-1/2"	28"	34"



MODEL 351 Standard Duty V-Guided Inclining Conveyor

Standard Specifications

Widths: 4" - 24" Lengths: Up to 20' (6" Increments) Standard Length is 4', Two Piece Bolt Together Standard Speed: 60 FPM Standard Motor: 1/3 HP 230/460/3/60 TEFC Standard Drive: Top Mount, Right Side Standard Belt: Black PVC 120 with 1-1/2" High Cleats on 12" Centers, Clipper Lacing

Drive Pulley: 4" Dia Flat Face Rubber Lagged x 1-3/16" A Section "V" Guided

Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" A Section "V" Guided

Infeed Frame: 6-5/8" Deep x 12 Gauge

Others: Base unit includes 3-1/2" High Side Rails and a Bottom Pan. Infeed Hoppers are Optional.

Inclined Conveyors – Horizontal Inclined Units Comparison Chart

Inclined Conveyors - Horizontal Inclined Units - These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings up inclines

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE Pulley Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED Pulley Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
150	Standard duty low profile inclining conveyor	12	1.75" + cleat height	2.875"	CF knurled pulley	.75"	1.3125"	FF pulley	.5"	2 ply black PVC 70	Bottom	Note: Frame depth changes with cleat height
500	Standard duty inclining conveyor	12	6.625"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers	Тор	Unit includes 1-1/2" or 3/12" rails and a bottom pan
505	Medium duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Unit includes 6" high siderails
506	Heavy duty inclining conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8"	CF pulley	1.4375"	2 ply black PVC 120 with 3" cleats on 12" centers	Тор	Heavy drive shaft M505
351	Standard duty V-guided inclining conveyor	12	6.625"	4.625"	FFRL "A" section	1.1875"	4"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M500

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	4"	8"	12"	18"	24"	30"
LENGTHS						
4'	249	272	305	338	369	400
8'	302	327	379	431	482	533
12'	390	418	490	562	634	706
16'	443	473	564	655	747	839
20'	531	564	675	786	899	1012
24'	584	619	749	879	1012	1145
28'	672	710	860	1010	1164	1318

Conveyor weights include standard drive, supports and 3-1/2" high siderails.

Skid Dimensions

Model 351 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	8"	12"	18"	24"	30"				
Bottom, Top & Center Mount Skid Width	15"	19"	23"	29"	35"	41"				
Shaft and Side Mount Skid Width 20" 24" 28" 34" 40" 46"										
Skid Langth - These units are typically chinged assembled. The skid length is the overall length + 12" Maximum skid length is 27'										

MODEL 521 Light Duty Parts or Bulk Material Handling Conveyor

This unit is designed to convey unboxed, loose products like plastic parts and stampings and for conveying bulk products like sludge or sand. It features a low profile infeed and small hold down wheels for easy placement under existing machines.

These units lower profile frame, shorter cleats, lower side rails and the use of 1-7/8" diameter hold wheels allow it to fit into tight spaces other units can not. Corrugated belt options are also available as shown on the next page



Hold Down Wheels Front View



Hold Down Wheels Inside of Frame View



Belt Width:	8"	12"	18"	24"
Frame Width:	11"	15"	21-1/2"	28"



19:9 19

MODEL 521 Light Duty Parts or Bulk Material Handling Conveyor

Standard Specifications

Widths: Up to 24" Curves: 30, 45 & 60 Degree Hold Down Wheels: 1-7/8" dia. x 3/4" Face Cams 30° = 3 Cams Per Side; 45° & 60° = 4 Cams Per Side Standard Speed: 30 FPM Standard Motor: 1/3 HP 230/460/3/60 TEFC Standard Drive: Top Mount, Right Side Drive Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16" Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" Frame: 6-5/8" Deep x 12 Gauge Standard Side Rails: 1-1/2" or 3-1/2" High Standard Belt: Black PVC 120 with 1-1/2" High Cleats on 12" Centers, #1 Unibar Lacing Corrugated Belt: Black PVC 120 with 1" High Cleats on 12" Centers x 1-1/2" High Corrugation x #1 Unibar Lacing

Inclined Conveyors Comparison Chart

Inclined Conveyors – "S" Shaped Units – Horizontal to Incline (Type II) – Horizontal to Incline to Horizontal (Type III) – Incline to Horizontal (Type IV) — These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings from a horizontal position up an incline.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft DIA.	STANDARD Belt	STD. Drive	OTHER
521	Light duty parts or bulk material handling conveyor	12	6.625"	4.5"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	3 ply RMV with 1-1/2" cleats on 12" centers 1-1/2" wall x 1" cleats for bulk applications	Тор	 1-1/2" or 3/12" side rails 1-7/8" dia. x 3/4" face hold down wheels 30°, 45° and 60° inclines std
361	Standard duty V-guided type II, III & IV conveyor**	12	6.625"	4.625"	FFRL "A" section	1.1875"	4.25"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M521
590	Medium to heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 (2) 12" diameter x 2" wide deflection hold down wheels - 3" high wall x 2-1/2" cleats for bulk app.
591	Heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8" 	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 Heavy drive shaft M590 (2) 12" diameter x 2" wide deflection hold down wheels 3" high wall x 2-1/2" cleats for bulk app.

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard **Type II = Horizontal to Incline; Type III = Horizontal to Incline to Horizontal; Type IV = Incline to Horizontal

Model	521,	361,	590	&	591	Worksheet
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Model	Gen	eral Guideli	ines		H	old Down \	Nheels		Minimum cleated belt recess per side = Belt Width x .10								
									Minimum corrugate belt recess per side = (Belt Width + Sidewall Height) x .10								
									Effective	VVIOTN = Be	eit wiath –	 (Recess + 	Corrugated	i wali width	1)		
521 & 361	Maximum rec	commended	length is 2	0' 45 &	60 degree ((4) cams pe	er side rath	er than (3)	Minimum belt recess = 3" per side								
590 & 591	Consult NLE			(2) 12	2" hold dow	n wheels			Corruga	ted wall wic	ith = 2" pe	r side					
•					_			_					_				
	MODE	L 521 & 30	61 CLEATE	D ONLY	LY MODEL 521 & 361 CLEATED & SIDEWALLS MODEL 590 & 591 CLEATED ONLY MODEL 590 & 591 CLEATED & SIDEW								WALLS				
Belt Width	8"	12"	18"	24"*	4"* 12" 18" 24"* 12"					24"	30"	36"	14"	18"	24"	30"	36"

6"

These are the maximum widths available. The M590 effective widths are for the standard belt with 3 high x 2-1/2* mini sidewall corrugation.

12"

18"

6"

Unit Weights (Shipping Weights – Ibs.)

9"

15"

21"

5"

Effective Width

BELT WIDTHS	8"	12"	18"	24"
LENGTHS				
4'	267	300	333	364
8'	322	374	426	477
12'	413	485	557	629
16'	468	559	650	742
20'	559	670	7781	894
24'	614	744	874	1007
28'	705	855	1005	1159
Add For Each Curve	43	50	62	74

Conveyor weights include standard drive, supports and $1-1/2^{"}$ high rails. Other options, crating etc. are not included.

Skid Dimensions

12"

18"

24'

Model 521 —

Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

30"

6"

8'

14"

20"

26"

BELT WIDTHS	8"	12"	18"	24"					
Bottom and Top Mount Skid Width	20"	24"	30"	36"					
Shaft and Side Mount Skid Width	32"	36"	42"	48"					
Skid Length – These units are typically shipped assembled.									

MODEL 590 Medium to Heavy Duty Parts or Bulk Material Conveyor

This rugged, versatile conveyor can be used to convey large volumes of everything from metal scrap or parts to large volumes of nuts or bolts. This unit is also used to convey large volumes of bulk products like wet sludge or sand.

These units 10 gauge x 13" deep frames x 3" high cleats provide the strength and moving capacity required for heavy-duty applications.

These units are available in widths up to 36" wide. The 12" high x 2" wide hold down wheels increase the amount of the belts surface that is being "held" down allowing for more capacity and additional widths.

Please consult NLE for all Model 590 applications.



This photo shows the 3" of belt recess required for the hold down wheels to hold down the belt at the curve.



This photo shows the (2) 12" diameter hold down wheels with 45 degree flared infeed rails (rails are optional).



Cleated Belt

Belt Width:	12"	18"	24"	30"	36"
Effective Width:	6"	12"	18"	24"	30"

Cleated with 3" High Sidewalls (Bulk Applications)

Belt Width:	14"	18"	24"	30"	36"
Effective Width:	6"	8"	14"	20"	26"



This photo shows the 12" dia. hold down wheel.

Standard Specifications

Standard Speed: 30 FPM
Standard Motor: 1/2 HP 230/460/3/60
Standard Drive: Top Mount, Right Side
Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16"
Infeed Pulley: 8" Dia Crown Face Take Up x 1-7/16"
Cleated Belt: 2-ply 150 cross rigid with 3" high cleats on 12" centers with #1 unibar lacing

Corrugated Belt: 2-ply 150 cross rigid with 2-1/2" high cleats on 12" centers with #1 unibar lacing with 3" high corrugated sidewalls.
 Total Recess: 3"/side belt recess + 2"/side for corrugated sidewall
 Hold Down Wheels: (2) 12" high x 2" wide x 1-7/16" bore
 Frame: 12" Deep x 10 Gauge
 Bearings: Grease Sealed

Inclined Conveyors Comparison Chart

Inclined Conveyors – "S" Shaped Units – Horizontal to Incline (Type II) – Horizontal to Incline to Horizontal (Type III) – Incline to Horizontal (Type IV) — These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings from a horizontal position up an incline.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD Belt	STD. Drive	OTHER
521	Light duty parts or bulk material handling conveyor	12	6.625"	4.5"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	3 ply RMV with 1-1/2" cleats on 12" centers 1-1/2" wall x 1" cleats for bulk applications	Тор	 1-1/2" or 3/12" side rails 1-7/8" dia. x 3/4" face hold down wheels 30°, 45° and 60° inclines std
361	Standard duty V-guided type II, III & IV conveyor**	12	6.625"	4.625"	FFRL "A" section	1.1875"	4.25"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M521
590	Medium to heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 (2) 12" diameter x 2" wide deflection hold down wheels - 3" high wall x 2-1/2" cleats for bulk app.
591	Heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8"	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 Heavy drive shaft M590 (2) 12" diameter x 2" wide deflection hold down wheels 3" high wall x 2-1/2" cleats for bulk app.

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard **Type II = Horizontal to Incline; Type III = Horizontal to Incline to Horizontal; Type IV = Incline to Horizontal

Model 521, 361, 590 & 591 Worksheet

Model		Gene	ral Guideli	nes		H	old Down \	Wheels		Minimur Minimur Effective	n cleated b n corrugate Width = B	elt recess e belt reces elt Width –	oer side = E s per side (Recess +	Belt Width x = (Belt Wid Corrugated	: .10 th + Sidewa I wall width	all Height) :	<.10	
521 & 361 590 & 591	Max Con:	imum reco sult NLE	ommended	length is 2	0' 45 & (2) 12	45 & 60 degree (4) cams per side rather than (3) Minimum belt recess = 3" per side (2) 12" hold down wheels Corrugated wall width = 2" per side												
	[MODEL	521 & 36	1 CLEATE	D ONLY	MODEL 521 &	361 CLEATED	& SIDEWALLS	M	DDEL 590	& 591 CL	EATED ON	ILY	MODEL	590 & 59	91 CLEATE	D & SIDE	WALLS
Belt Width		8"	12"	18"	24"*	<u>24"*</u> 12" 18" 24"* 12" 18" 24" 30" 36" 14" 18" 24" 30" 36"						36"						
Effective Widt	th	5"	9"	15"	21"	21" 6" 12" 18" 6" 1					18"	24"	30"	6"	8"	14"	20"	26"

*These are the maximum widths available. The M590 effective widths are for the standard belt with 3" high x 2-1/2" mini sidewall corrugation.

Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"	40"	48"
LENGTHS							
5'	503	558	613	664	715	766	818
10'	660	757	840	916	993	1080	1168
15'	853	993	1105	1207	1311	1435	1560
20'	1010	1192	1332	1459	1589	1749	1910
25'	1203	1428	1597	1750	1907	2104	2302
30'	1360	1627	1824	2002	2185	2418	2652
Add For Each Curve	97	108	119	130	141	152	163

Conveyor weights include standard drive, supports and 6" high siderails. Other options, crating etc. are not included.

Skid Dimensions

MODEL 591 Heavy Duty Parts or Bulk Material Conveyor

(Model 591 is a heavy shaft Model 590)

This rugged, versatile conveyor can be used to convey large volumes of everything from metal scrap or parts to large volumes of nuts or bolts. This unit is also used to convey large volumes of bulk products like wet sludge or sand.

These units 10 gauge x 13" deep frames x 3" high cleats provide the strength and moving capacity required for heavy-duty applications.

These units are available in widths up to 36" wide. The 12" high x 2" wide hold down wheels increase the amount of the belts surface that is being "held" down allowing for more capacity and additional widths.

Please consult NLE for all Model 590 applications.



This photo shows the 3" of belt recess required for the hold down wheels to hold down the belt at the curve.



This photo shows the (2) 12" diameter hold down wheels with 45 degree flared infeed rails (rails are optional).



Cleated Belt

Belt Width:	12"	18"	24"	30"	36"
Effective Width:	6"	12"	18"	24"	30"

Cleated with 3" High Sidewalls (Bulk Applications)

Belt Width:	14"	18"	24"	30"	36"
Effective Width:	6"	8"	14"	20"	26"



This photo shows the 12" dia. hold down wheel.

MODEL 591 Heavy Duty Parts or Bulk Material Conveyor

Standard Specifications

Standard Speed: 30 FPM
Standard Motor: 1/2 HP 230/460/3/60
Standard Drive: Top Mount, Right Side
Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-11/16"
Infeed Pulley: 8" Dia Crown Face Take Up x 1-7/16"
Cleated Belt: 2-ply 150 cross rigid with 3" high cleats on 12" centers with #1 unibar lacing

Corrugated Belt: 2-ply 150 cross rigid with 2-1/2" high cleats on 12" centers with #1 unibar lacing with 3" high corrugated sidewalls.
 Total Recess: 3"/side belt recess + 2"/side for corrugated sidewall
 Hold Down Wheels: (2) 12" high x 2" wide x 1-7/16" bore
 Frame: 12" Deep x 10 Gauge

Bearings: Grease Sealed

Inclined Conveyors Comparison Chart

Inclined Conveyors – "S" Shaped Units – Horizontal to Incline (Type II) – Horizontal to Incline to Horizontal (Type III) – Incline to Horizontal (Type IV) — These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings from a horizontal position up an incline.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD Belt	STD. Drive	OTHER
521	Light duty parts or bulk material handling conveyor	12	6.625"	4.5"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	3 ply RMV with 1-1/2" cleats on 12" centers 1-1/2" wall x 1" cleats for bulk applications	Тор	 1-1/2" or 3/12" side rails 1-7/8" dia. x 3/4" face hold down wheels 30°, 45° and 60° inclines std
361	Standard duty V-guided type II, III & IV conveyor**	12	6.625"	4.625"	FFRL "A" section	1.1875"	4.25"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M521
590	Medium to heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 (2) 12" diameter x 2" wide deflection hold down wheels - 3" high wall x 2-1/2" cleats for bulk app.
591	Heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8"	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 Heavy drive shaft M590 (2) 12" diameter x 2" wide deflection hold down wheels 3" high wall x 2-1/2" cleats for bulk app.

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard **Type II = Horizontal to Incline; Type III = Horizontal to Incline to Horizontal; Type IV = Incline to Horizontal

Model 521, 361, 590 & 591 Worksheet

Model		Gene	ral Guideli	nes		H	old Down \	Wheels		Minimur Minimur Effective	n cleated b n corrugate Width = B	elt recess e belt reces elt Width –	oer side = E s per side (Recess +	Belt Width x = (Belt Wid Corrugated	: .10 th + Sidewa I wall width	all Height) :	x .10	
521 & 361 590 & 591	Max Con	kimum reco sult NLE	ommended	length is 2	0' 45 & (2) 12	45 & 60 degree (4) cams per side rather than (3) Minimum belt recess = 3" per side (2) 12" hold down wheels Corrugated wall width = 2" per side												
		MODEL	521 & 36	1 CLEATE	D ONLY	MODEL 521 &	361 CLEATED	& SIDEWALLS	M	DDEL 590	& 591 CL	EATED ON	ILY	MODEL	590 & 59	91 CLEATI	ED & SIDE	WALLS
Belt Width		8"	12"	18"	24"*	24"* 12" 18" 24"* 12"				18"	24"	30"	36"	14"	18"	24"	30"	36"
Effective Widt	th	5"	9"	15"	21"	21" 6" 12" 18" 6"				12"	18"	24"	30"	6"	8"	14"	20"	26"

*These are the maximum widths available. The M590 effective widths are for the standard belt with 3" high x 2-1/2" mini sidewall corrugation.

Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"	40"	48"
LENGTHS							
5'	491	537	601	652	700	751	801
10'	648	736	828	904	978	1065	1151
15'	841	972	1093	1195	1296	1420	1543
20'	998	1171	1320	1447	1574	1734	1893
25'	1191	1407	1585	1738	1892	2089	2285
30'	1348	1606	1812	1990	2170	2403	2635
ADD FOR EACH CURVE	101	115	129	143	157	171	185

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

MODEL 361 Standard Duty V-Guided Type II, III & IV Conveyor**

Corrugated belt options are also This unit is designed to convey unboxed, loose products like available as shown on the next page plastic parts and stampings and for conveying bulk products like sludge or sand. It features a low profile infeed and small hold down wheels for easy placement under existing machines. The frame and pulleys are grooved/notched to provide a track for the rubber vulcanized belt. This "guided" system keeps the belt centered for side loading, long run Photo of a V-Guided Belt and Frame and short but wide applications. A V-guided system keeps the belt centered for use in side loading and wide applications. They are also necessary when the application is as short as it is wide. Typically V-guides are recommended if the conveyor length is less than 2.5 times the belt width. Hold Down Wheels Front View **Belt Width:** 12" 18" 24' 8" Frame Width: 11" 15" 21-1/2" 28' Hold Down Wheels Inside of Frame View FW + 8" FW BW - 3" 31 FW+ 3" 18' BW BW - 3" 699 -10 BOTTOM DRIVE BW 6 5/8" – 30°. 45°. 60° FW ALL STD FW+ FW+ 7 7" FW FW+ 12" BW - 3" FW 29" BW 40" BW - 3" 9 1/2" 8 1/2" 9 1/2" -BW BW FW 25" 31" -35" 45° TOP DRIVE SIDE DRIVE TOP DRIVE

MODEL 361 Standard Duty V-Guided Type II, III & IV Conveyor**

Standard Specifications

Widths: Up to 24" Curves: 30, 45, 60 degree Standard Motor: 1/3 HP 230/460/3/60 TEFC Standard Drive: Top Mount, Right Side Standard Belt: Black PVC 120 with 1-1/2" High Cleats on 12" Centers A – Section V-Guided, Clipper Lacing Hold Down Wheels: 1-7/8" Dia x 3/4" Face Cams 30° = 3 Cams Per Side, 45° & 60° = 4 Cams Per Side Drive Pulley: 4" Dia Flat Face Rubber Lagged x 1-3/16" x A Section V-Guided Infeed Pulley: 4" Dia Crown Face Take Up x 1-3/16" x A Section V-Guided

Frame: 6-5/8" Deep x 12 Gauge

Standard Side Rails: 1-1/2" or 3-1/2" High Standard Speed: 30 FPM

Inclined Conveyors Comparison Chart

Inclined Conveyors – "S" Shaped Units – Horizontal to Incline (Type II) – Horizontal to Incline to Horizontal (Type III) – Incline to Horizontal (Type IV) — These units use cleated belts to carry loose, unpacked items like plastic parts, nuts & bolts and stampings from a horizontal position up an incline.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD Belt	STD. Drive	OTHER
521	Light duty parts or bulk material handling conveyor	12	6.625"	4.5"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	3 ply RMV with 1-1/2" cleats on 12" centers 1-1/2" wall x 1" cleats for bulk applications	Тор	 1-1/2" or 3/12" side rails 1-7/8" dia. x 3/4" face hold down wheels 30°, 45° and 60° inclines std
361	Standard duty V-guided type II, III & IV conveyor**	12	6.625"	4.625"	FFRL "A" section	1.1875"	4.25"	FF "A" section	1.1875"	2 ply black PVC 120 with 1-1/2" cleats on 12" centers "A" section	Тор	V-guided M521
590	Medium to heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.4375"	8"	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 (2) 12" diameter x 2" wide deflection hold down wheels - 3" high wall x 2-1/2" cleats for bulk app.
591	Heavy duty parts or bulk material conveyor	10	13"	8.625"	CFRL pulley	1.6875"	8" 	CF pulley	1.4375"	 2 ply 150 cross rigid x 3" cleats on 12" centers 	Тор	 Heavy drive shaft M590 (2) 12" diameter x 2" wide deflection hold down wheels 3" high wall x 2-1/2" cleats for bulk app.

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard **Type II = Horizontal to Incline; Type III = Horizontal to Incline to Horizontal; Type IV = Incline to Horizontal

Model 521, 361, 590 & 591 Worksheet

Model	Ge	neral Guide	ines		H	old Down \	Wheels		Minimur Minimur Effective	n cleated b n corrugate Width – B	elt recess e belt reces	oer side = E s per side : (Becess)	Belt Width x = (Belt Width)	: .10 th + Sidewa	all Height) :	(.10	
521 & 361 590 & 591	Maximum r Consult NLE	ecommende	d length is 2	0' 45 & (2) 12	60 degree (2" hold dow	4) cams pe n wheels	er side rath	er than (3)	Minimur Corrugat	n belt reces ted wall wic	ss = 3" per ith = 2" pe	side r side	oonugated	i wan widu)		
Belt Width	MOD 8"	EL 521 & 3	61 CLEATE	D ONLY 24"*	DNLY MODEL 521 & 361 CLEATED & SIDEWALLS MODEL 590 & 591 CLEATED ONLY MODEL 590 & 591 CLEATED & SIDEWALL 24"* 12" 18" 24" 30" 36" 14" 18" 24" 30" 31							WALLS 36"					

6"

*These are the maximum widths available. The M590 effective widths are for the standard belt with 3" high x 2-1/2" mini sidewall corrugation.

6"

12"

18"

Unit Weights (Shipping Weights - lbs.)

<u>9</u>"

15"

21"

5'

Effective Width

BELT WIDTHS	8"	12"	18"	24"
LENGTHS				
4'	273	306	340	371
8'	328	380	433	484
12'	419	491	564	636
16'	474	565	657	749
20'	565	676	788	901
24'	620	750	881	1014
28'	711	861	1012	1166
Add For Each Curve	44	51	63	75

Conveyor weights include standard drive, supports and 1-1/2" high rails. Other options, crating etc. are not included.

Skid Dimensions

12"

18"

24"

Model 361 —

Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

30"

6"

8"

14"

20"

26"

BELT WIDTHS	8"	12"	18"	24"
Bottom and Top Mount Skid Width	20"	24"	30"	36"
Shaft and Side Mount Skid Width	32"	36"	42"	48"

Skid Length - These units are typically shipped assembled.

The skid length is the overall length + 12". Maximum skid length is 27'.

MODEL 600 Medium Duty Belt Driven Live Roller




MODEL 600 Medium Duty Belt Driven Live Roller

Standard Specifications

Widths: Up to 36" Lengths: Up to 40' Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount at Infeed, Left Side Standard Belts: 8" Wide Black PVC 120, Clipper Lacing Drive Pulley: 4" Dia Crown Face Rubber Lagged x 1-3/16"
Discharge Pulley: 4" Dia Crown Face Take Up x 1-3/16"
Frame: 6-1/2" Deep x 12 Gauge
Standard Rollers: 2" Diameter x 16 ga. x 7/16" Hex Shaft on 6" Centers

Standard Supports: 30" Top of Roller

Belt Driven Live Roller Conveyor Comparison Chart

Belt Driven Live Roller Conveyors — These units are designed to carry heavy products like pallets, drums or tires

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
600	Medium duty belt driven live roller	12	6.5"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
610	Heavy duty belt driven live roller	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
630 631 645 646 690 691	V-belt drive 30° curve M630 tapered rollers V-belt drive 45° curve M645 tapered rollers V-belt drive 90° curve M690 tapered rollers	12	8"	3.8"	Sheave drive	1.1875"	3.8"	Sheave	1.1875"	V Belt: "B" section drive belt	Bottom @ infeed	V-Belt driven live roller curves Rollers – 2" dia. x 16 ga. x .4375" hex on 2-5/8" centers inside rail
660	Belt driven live roller with accum. zones	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	8"	12"	18"	24"	30"	36"
LENGTHS						
5'	309	342	378	416	461	498
10'	378	427	486	547	616	676
15'	483	549	632	717	811	895
20'	552	671	778	887	1006	1114
25'	657	793	924	1057	1201	1333
30'	726	915	1070	1227	1396	1552
35'	831	1037	1216	1397	1591	1771
40'	900	1159	1362	1567	1786	1990

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 600 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	12"	18"	24"	30"	36"
Bottom, Top & Center Mount Skid Width	20"	24"	30"	36"	42"	48"
Shaft and Side Mount Skid Width	32"	36"	42"	48"	54"	60"

Skid Length - These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.



MODEL 610 Heavy Duty Belt Driven Live Roller





MODEL 610 Heavy Duty Belt Driven Live Roller

Standard Specifications

Widths: Up to 36" Lengths: Up to 100' Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount at Infeed Standard Belt: 8" Wide Black PVC 120 Standard Supports: 30" Top of Roller Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16"
Discharge Pulley: 4" Dia Crown Face Take Up x 1-3/16"
Frame: 6-1/2" Deep x 12 Gauge
Bearings: Grease Sealed
Standard Rollers: 2" Dia x 16 ga. x 7/16" Hex Shaft

Belt Driven Live Roller Conveyor Comparison Chart

Belt Driven Live Roller Conveyors — These units are designed to carry heavy products like pallets, drums or tires

MODEL	DESCRIPTION	FRAME Gauge	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft DIA.	STANDARD BELT	STD. Drive*	OTHER
600	Medium duty belt driven live roller	12	6.5"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
610	Heavy duty belt driven live roller	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
630 631 645 646 690 691	V-belt drive 30° curve M630 tapered rollers V-belt drive 45° curve M645 tapered rollers V-belt drive 90° curve M690 tapered rollers	12	8"	3.8"	Sheave drive	1.1875"	3.8"	Sheave	1.1875"	V Belt: "B" section drive belt	Bottom @ infeed	V-Belt driven live roller curves Rollers – 2" dia. x 16 ga. x .4375" hex on 2-5/8" centers inside rail
660	Belt driven live roller with accum. zones	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"
LENGTHS					
5'	347	383	421	466	503
10'	432	491	552	621	681
15'	554	637	722	816	900
20'	676	783	892	1011	1119
25'	798	929	1062	1206	1338
30'	920	1075	1232	1401	1557
35'	1042	1221	1402	1596	1776
40'	1164	1367	1572	1791	1995

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 610 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	12"	18"	24"	30"	36"
Bottom, Top & Center Mount Skid Width	24"	30"	36"	42"	48"
Shaft and Side Mount Skid Width	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 630/645 V-Belt Driven Spurs

V-belt driven live roller spurs are used to merge

production lines.

Standard Specifications

Widths: 12", 18", 24", 30", 36"
30 Degree: (Model 630 Straight Rollers) (Model 631 Tapered and Straight Rollers)
45 Degree: (Model 645 Straight Rollers) (Model 645 Tapered and Straight Rollers)
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Speed: 60 FPM
Standard Drive: Bottom Mount
Frame: 6-1/2" Deep x 12 Gauge
Rollers: 2" Diameter x 16 Ga with 7/16" Hex Shaft
Roller Centers: 2-5/8" Inside Rail

Unit Weights (Shipping Weights – Ibs.)

MODEL 630-631

BETWEEN FRAME	12"	14"	16"	18"	20"	24"	26"	30"	36"
30° CURVE	351	366	381	396	411	441	456	486	531

*Conveyor weights include standard drive and supports. **Inside radius of 42"

MODEL 645-646

45° CURVE 355 370	385	400	415	445	460	490	535

*Conveyor weights include standard drive and supports. **Inside radius of 42"

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS



MODEL 630/645/690 V-Belt Driven Curves



Standard Specifications

Widths: 12	', 18", 24", 30", 36"
30 Degree:	(Model 630 Straight Rollers)
	(Model 631 Tapered and Straight Rollers)
45 Degree:	(Model 645 Straight Rollers)
-	(Model 645 Tapered and Straight Rollers)
90 Degree:	(Model 690 Straight Rollers)
-	(Model 690 Tapered and Straight Rollers)
Standard M	otor: 1/2 HP 230/460/3/60 TEFC
Standard Sp	Deed: 60 FPM
Standard Dr	'ive: Bottom Mount
Frame: 6-1	/2" Deep x 12 Gauge
Rollers: 2"	Diameter x 16 Ga with 7/16" Hex Shaft
Roller Cente	ers: 2-5/8" Inside Rail

Unit Weights (Shipping Weights – Ibs.)

MODEL 630-631

BETWEEN FRAME	12"	14"	16"	18"	20"	24"	26"	30"	36"
30° CURVE	351	366	381	396	411	441	456	486	531

*Conveyor weights include standard drive and supports. **Inside radius of 42"

MODEL 645-646

BETWEEN FRAME	12"	14 "	16"	18"	20"	24"	26"	30"	36"
45° CURVE	355	370	385	400	415	445	460	490	535

*Conveyor weights include standard drive and supports. Other options, crating etc. are not included. **Inside radius of 42"

MODEL 690-691

BETWEEN FRAME	12"	14"	16"	18"	20"	24"	26"	30"	36"	
90° CURVE	362	378	392	407	422	452	469	497	542	
*Conveyor weights include standard drive and supports. Other options, crating etc. are not included.										

**Inside radius of 42"

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS



MODEL 660 Variable Pressure Accumulation Conveyor



Industrial conveyor designed for applications where dwell stations or safe accumulation of product is needed. Allows a changeable combination of totally free moving and controlled-accumulation sections. Uses externally adjustable bolts to quickly adjust spring-loaded pressure roller brackets anywhere from full driving force to zero. This unit is a belt driven accumulation conveyor. Photo shows the pulley system used to drive the belt.





MODEL 660 Variable Pressure Accumulation Conveyor

Standard Specifications

Back-to-Back Widths: Up to 36" Lengths: Up to 100' Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount at Infeed, Left Side Standard Belt: Black PVC 120, Clipper Lacing Drive Pulley: 8" Dia Crown Face Rubber Lagged x 1-7/16" Tail Pulley: 4" Dia Crown Face Take Up x 1-3/16"
Frame: 6-1/2" Deep x 12 Gauge
Bearings: Grease Sealed
Standard Rollers: 2" Diameter on 6" Centers
Standard Supports: 30" Top of Roller

Belt Driven Live Roller Conveyor Comparison Chart

Belt Driven Live Roller Conveyors — These units are designed to carry heavy products like pallets, drums or tires

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVE PULLEY SIZE	DRIVE PULLEY TYPE*	DRIVE PULLEY Shaft. Dia.	INFEED PULLEY SIZE	INFEED PULLEY TYPE*	INFEED PULLEY Shaft Dia.	STANDARD BELT	STD. Drive*	OTHER
600	Medium duty belt driven live roller	12	6.5"	4.625"	CFRL pulley	1.1875"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
610	Heavy duty belt driven live roller	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	BM @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers
630 631 645 646 690 691	V-belt drive 30° curve M630 tapered rollers V-belt drive 45° curve M645 tapered rollers V-belt drive 90° curve M690 tapered rollers	12	8"	3.8"	Sheave drive	1.1875"	3.8"	Sheave	1.1875"	V Belt: "B" section drive belt	Bottom @ infeed	V-Belt driven live roller curves Rollers – 2" dia. x 16 ga. x .4375" hex on 2-5/8" centers inside rail
660	Belt driven live roller with accum. zones	12	6.5"	8.625"	CFRL pulley	1.4375"	4"	CF pulley	1.1875"	2 ply black PVC 120	Bottom @ infeed	Rollers – 2" dia. x 16 ga. x .4375" hex on 6" centers

*BM = Bottom Mount; CF = Crown Faced; CDBM = Center Drive Bottom Mount; CH = Channel; FF = Flat Faced; RL = Rubber Lagged; RA = Right Angle; Std = Standard

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	8"	12"	18"	24"	30"	36"
LENGTHS						
5'	322	349	390	431	472	513
10'	391	434	498	562	627	691
15'	496	556	644	732	822	910
20'	565	641	752	863	977	1088
25'	670	763	898	1033	1172	1307
30'	739	848	1006	1164	1327	1485
35'	844	970	1152	1334	1522	1704
40'	913	1055	1260	1465	1677	1882

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 660 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	12"	18"	24"	30"	36"						
Bottom, Top & Center Mount Skid Width	24"	30"	36"	42"	48"						
Shaft and Side Mount Skid Width 36" 42" 48" 54" 60"											
Skid Longth - These units are typically sh	Skid Length These units are tunically chipped accombined. The skid length is the overall length - 5" Maximum skid length is 97!										

Skid Length - These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 670 Medium Duty Chain Driven Live Roller



FRAME MOUNT CENTER DRIVE

MODEL 670 Medium Duty Chain Driven Live Roller

Standard Specifications

Effective Widths: 12", 18", 24", 30", 36", 42", 48" (Custom Widths Available)

Lengths: 5'- 50' Standard Speed: 30 FPM Standard Motor: 3/4 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount Center. Right Side Frame: 6.5" Deep x Formed 7 Gauge

Bearings: Grease Sealed Roller Chain: #60 or #80 as required **Standard Roller Choices:** 2-1/2" Dia x 11 Ga. with 11/16" Hex Shaft 2-5/8" Dia. x 7 Ga. with 11/16" Hex Shaft Roller Centers: 6", 9", 12", 15" Standard Supports: 30" Top of Roller

Chain Driven Live Roller Conveyors Comparison Chart

Chain Driven Live Roller Conveyors — These units are designed to carry heavy products like loaded pallets, filled drums or large tires

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVE PULLEY SIZE	DRIVER	SHAFT	CHAIN & SPROCKET	STD. Drive	OTHER
670	Medium duty chain driven live roller	7	6.5"	2.5"	Roller	0.688" hex	#60A 16 x 2-1/2" bore sprocket	Bottom	Rollers – 2-1/2" – 11 ga. x 0.6875" hex on 6" centers Maximum live load is 19,000#
675	Heavy duty chain driven live roller	1/4"	8"	3.5"	Roller	1.063" hex	#60A 20 x 3-1/2" bore sprocket	Bottom	Rollers – 3-1/2" x .300 wall 1.0625" hex on 6" centers Maximum live load is 30,000#

Unit Weights (Shipping Weights – Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"	40"	48"
LENGTHS							
4'	334	345	357	368	380	391	402
8'	465	482	501	518	537	554	572
12'	635	656	683	707	734	758	784
16'	769	793	827	857	891	921	954
20'	903	930	971	1007	1048	1084	1124
24'	1073	1104	1153	1196	1245	1288	1336
28'	1207	1241	1297	1346	1402	1451	1506
32'	1341	1378	1441	1496	1559	1614	1676
36'	1511	1552	1623	1685	1756	1818	1888
40'	1645	1689	1767	1835	1913	1981	2058

Conveyor weights include standard drive and supports.

Skid Dimensions

Model 670 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	12"	18"	24"	30"	36"	42"	48"			
Bottom, Top & Center Mount Skid Width	24"	30"	36"	42"	48"	54"	60"			
Shaft and Side Mount Skid Width 36" 42" 48" 54" 60" 64" 72"										
Skid Langth - These units are twiscally chipped accombled. The skid length is the overall length - 5" Mavimum skid length is 27'										

Skid Length I hese units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27".



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MODEL 675 Heavy Duty Chain Driven Live Roller



MODEL 675 Heavy Duty Chain Driven Live Roller

Standard Specifications

Effective Widths: 12", 18", 24", 30", 36", 42", 48", 54" and 60"; (Custom Widths Available)

Lengths: 5'- 50' Standard Speed: 30 FPM Standard Motor: 1-1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount Center, Right Side Frame: 8-1/2" Deep x Formed 1/4" Steel
Bearings: Grease Sealed
Roller Chain: #60 Roll-to-Roll, Progressive Drive Roller Chain
Standard Rollers: 3-1/2" Dia., 300 Wall with 1-1/16" Hex Shaft
Roller Centers: 6", 9", 12", 15"
Standard Supports: 30" Top of Roller

Chain Driven Live Roller Conveyors Comparison Chart

Chain Driven Live Roller Conveyors — These units are designed to carry heavy products like loaded pallets, filled drums or large tires

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVE PULLEY SIZE	DRIVER	SHAFT	CHAIN & SPROCKET	STD. Drive	OTHER
670	Medium duty chain driven live roller	7	6.5"	2.5"	Roller	0.688" hex	#60A 16 x 2-1/2" bore sprocket	Bottom	Rollers – 2-1/2" – 11 ga. x 0.6875" hex on 6" centers
675	Heavy duty chain driven live roller	1/4"	8"	3.5"	Roller	1.063" hex	#60A 20 x 3-1/2" bore sprocket	Bottom	Rollers – 3-1/2" x .300 wall 1.0625" hex on 6" centers

Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	12"	18"	24"	30"	36"	40"	48"
LENGTHS							
4'	563	589	615	641	667	693	719
8'	754	786	819	851	884	916	949
12'	981	1020	1061	1100	1141	1180	1221
16'	1172	1217	1265	1310	1358	1403	1451
20'	1363	1414	1469	1520	1575	1626	1681
24'	1590	1648	1711	1769	1832	1890	1953
28'	1781	1845	1915	1979	2049	2113	2183
32'	1972	2042	2119	2189	2266	2336	2413
36'	2199	2276	2361	2438	2523	2600	2685
40'	2390	2473	2565	2648	2740	2823	2915

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 675 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	12"	18"	24"	30"	36"	42"	48"				
Bottom, Top & Center Mount Skid Width	24"	30"	36"	42"	48"	54"	60"				
Shaft and Side Mount Skid Width 36" 42" 48" 54" 60" 64" 72"											
Cited Learth Theory of the second sec											

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.



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2-STRAND Chain Conveyor





For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Standard Specifications

Frame: 7 Gauge Formed
Carrier Chain: #2060 or #2080
Wear Strip: UHMW
Chain Centers: Per Application
Drive: End drive for single direction (optional center drive for reversing)
Chain Speed: 30 FPM
Bearings: Grease Sealed
Motor: 1/2 HP, 230/460/3/60 TEFC
Strands: 2, 3, 4 or more
Electrical Controls: Optional

Unit Weights (Shipping Weights - Ibs.)

LENGTHS	
3'	380
4'	410
5'	425
6'	460
7'	490
8'	515
9'	550
10'	580

AUTOMATIC Pallet Dispenser





For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Pallet Dispenser Sequence of Operation

- 1. Pallets are loaded into the dispenser with the side clamps retracted.
- 2. Following loading, the side clamps are activated and grip the second pallet from the bottom.
- 3. The chain conveyor infeed then lowers releasing the bottom pallet.
- 4. Steps 2 & 3 are repeated until all pallets are emptied.

Unit includes all pneumatics up to piping. Controls are not included . (Note: there are 3 solenoid valves.)

Standard Specifications

Automatic Pallet Dispenser with Three Strand Discharge Conveyor: 15 Pallet Capacity Chain Speed: 30 FPM

Motor: 1/2 HP 208/230/460/3/60 TEFC

Chain: #2060

Frame: Formed 7 Gauge with Structural Channel Pallet Guides

Wear Strip: UHMW

Bearings: Grease Sealed

Controls: Optional

Others:

Pneumatic Air Bag Lift

Pneumatic Clamp Assembly to Support Pallets Not Discharging

Side Mounted Drive at Discharge

 $3-12\ \text{Gauge}$ Pallet Stack Shields (Bolt On) Full Length

Shipping Weights

PER APPLICATION

MODEL 700 Standard Duty Magnetic Conveyor





MODEL 700 Standard Duty Magnetic Conveyor

Standard Specifications

 Widths:
 6", 8", 10", 12", 14", 16" and 18"

 Curves:
 30° , 45° , 60° and 75°

 Lengths:
 Up to 20'

 Standard Speed:
 24, 36, 48, 60 FPM

 Standard Motor:
 1/2 HP 230/460/3/60 TEFC

 Drive:
 Shaft Mount, Right Side

 Frame:
 6-5/8" Deep x 12 Gauge

 Bearings:
 Grease Sealed

 Sprockets:
 60B 13 x 1-3/16", Keyed in Line at Discharge; 60A 13 x 1-3/4", with Press in Bearings

- **Deck:** 12 Gauge Stainless Steel Precision Roller Hi-Radius Deck. Our unique long radius self-cleaning discharge head insures dependable product discharge.
- Magnets: Enclosed with Stainless Steel; Charged Ceramic or Charged Neodymium

Magnet Centers: 12" Centers are Standard, but vary by application

Chain / Tracks: #60 Roller Chain Mounted to UHMW

Access Panels: Access panels provide quick and easy access for inspections or service

Magnetic Conveyor Comparison Chart

Magnetic Conveyors — Magnetic conveyors are used to convey very fine metal or parts with sharp edges that may get caught in the belting of a hinged steel belt

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVER Size	DRIVER Type	DRIVE Shaft Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
700	Standard duty magnetic conveyor	12	6.625"	13 tooth	3.1" pd	1.1875"	13 tooth	3.1" pd	0.6875" hex	Magnets on 12" centers	Shaft	Standard duty and heavy duty magnets are available

Unit Weights (Shipping Weights - Ibs.)

BELT WIDTHS	8"	10"	12"	14"	16"	18"
LENGTHS						
2'	230	236	243	250	257	263
4'	266	276	287	298	309	319
8'	338	356	375	394	413	431
12'	446	473	501	529	557	584
16'	518	553	589	625	661	696
20'	590	633	677	721	765	808
24'	662	713	765	817	869	920
ADD FOR EACH CURVE	35	38	42	46	50	54

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 700 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	12"	18"	24"	30"	36"
Shaft Mount Skid Width	20"	24"	30"	36"	42"	48"

Skid Length - These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.



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MODEL 711 Drag Conveyors

This tough, abrasion-resistant conveyor features replaceable bottom pans and drag flights. These units are designed to drag very small fines, chips, turnings or granulated scrap. Single Strand

Dual Strand



Chain Width:	6"	8"	10"	12"
Frame Width:	9-1/4"	11-1/4"	13-1/4"	15-1/4"



MODEL 711 Drag Conveyors

Standard Specifications

Widths: 6", 8", 10" and 12" Curves: 30°, 45°, and 60° Lengths: Up to 20' Standard Speed: 20 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Top Mount, Right Side Frame: 8-5/8" Deep x 12 Gauge Bearings: Grease Sealed Sprockets: 12 Tooth, 3.854" Pitch Diameter Belt: 2" Pitch with Replaceable 1-1/2" High UHMW Drag Flights on 12" Centers; Single-Strand Chain Design (Model 711) Dual-Strand Chain Design (Mode 716)

Drag Conveyors Comparison Chart

Drag Conveyors — These units are designed to drag very small fines, chips, turnings or granulated scrap

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVER Size	DRIVER Type*	DRIVER Shaft. Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
711	Single strand drag	12	8.5"	12 tooth	3.854" pd	1.4375"	12 tooth	3.854" pd	1.1875"	1-1/2" UHMW cleats	Тор	Available with standard
716	Dual strand drag											or liquid tight bottom pan

Unit Weights (Shipping Weights – Ibs.)

Model 711

CHAIN WIDTHS	6"	8"	10"	12"
LENGTHS				
4'	252	262	273	283
8'	331	349	368	386
12'	446	473	501	528
16'	525	560	596	631
20'	604	647	691	734
24'	719	771	824	876
28'	798	858	919	979
ADD FOR EACH CURVE	53	58	63	67

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Model 716

CHAIN WIDTHS	6"	8"	10"	12"
LENGTHS				
4'	257	268	278	289
8'	336	355	373	392
12'	451	479	506	534
16'	530	566	601	637
20'	609	653	696	740
24'	724	777	829	882
28'	803	864	924	985
ADD FOR EACH CURVE	54	59	64	68

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 711 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	8"	12"	18"	24"
Top Mount Skid Width	20"	24"	30"	36"
Side Mount Skid Width	32"	36"	42"	48"

Skid Length - These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.



MODEL 715 Light Duty – 1-1/2" Pitch Chip Conveyor



Chain Width:	4"	6"	8"	10"	12"	18"	
Frame Width:	7-1/2"	9-1/2"	11-1/2"	13-1/2"	15-1/2"	21-1/2"	



MODEL 715 Light Duty – 1-1/2" Pitch Chip Conveyor

Standard Specifications

Widths: 4" – 24" (Custom Widths Available) Lengths: 3' – 20' (Infeed = 12" / Discharge = 18")

Curves: 30°, 45° and 60°

Standard Speed: 30 FPM

Standard Motor: 1/2 HP 230/460/3/60 TEFC

Standard Drive: Top Mount, Right Side

Frame: 4-1/8" Deep at Infeed; 6-5/8" Deep, Lower Curve thru Discharge x 14 Gauge

Hinged Steel Belt Comparison Chart

Bearings: Grease Sealed at Discharge; Press in Bronze Bushings at Infeed

Sprockets: 10 Tooth x 4.854" Pitch Diameter

Belt: 1-1/2" Pitch Hinged Steel Belt, One Piece Conventional 14 Gauge Apron, with 5/8" high cleats on 12" Centers, 12 Gauge x 3/4" high radial side wings, 7/8" x 1/2" wide Flat Face Rollers, 12 Gauge Outside Sidebars NOTE: Conventional Belt Only

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt model fits your application, pay special attention to the unit's **frame depth and cleat height**. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVER SIZE	DRIVER Type	DRIVE Shaft. Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga aprons, 5/8" cleats on 12" centers	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721
721 724	Standard duty scrap conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high
727	Tapered infeed cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 5/8" cleats on 12-1/2" centers	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"

Unit Weights (Shipping Weights – lbs.)

BELT WIDTHS	4"	6"	8"	12"	18"	24"
LENGTHS						
4'	283	332	381	416	497	567
8'	456	530	603	685	836	957
12'	665	765	863	993	1215	1388
16'	838	963	1085	1262	1554	1778
20'	1011	1161	1307	1531	1893	2168
24'	1220	1396	1567	1839	2272	2599
28'	1393	1594	1789	2108	2611	2989
ADD FOR EACH CURVE	42	49	56	68	76	93

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 715 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4 "	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 722 & 726 Light Duty Chip Conveyor

(Model 726 is a liquid tight Model 722)

This unit has a shallow frame of 6-5/8" which allows it to fit into tighter spaces other 2-1/2" pitch units can't. Its smaller overall construction and the corresponding tighter tolerances makes this the ideal choice when conveying small and more finite scrap.

Model 722 Type III with 45 degree curves

The Model 726 is a liquid tight Model 722 – The liquid tight frame is one piece of formed metal as shown on the right photo. A typical frame with a bolt on bottom pan is shown on the left. Note: Photos are shown with the bottom side up.





Uptime Express – 3-5 day widths are shaded in blue.

Belt Width:	6"	8"	12"	18"	24"	30"	36"
Frame Width:	10"	12"	16"	22"	28"	34"	40"



MODEL 722 & 726 Light Duty Chip Conveyor

Standard Specifications

Widths: 6", 8", 12", 18", 24", 30" and 36" (Custom Widths Available)

Lengths: Per Application

Standard Speed: 30 FPM

Standard Motor: 1/2 HP 230/460/3/60 TEFC

Standard Drive: Top Mount, Right Side

Frame: 6-5/8" Deep x Formed 12 Gauge

Hinged Steel Belt Comparison Chart

Bearings: Grease Sealed **Sprockets:** 5 Tooth x 4.25" Pitch Diameter

Belt: 2-1/2" Pitch Hinged Steel Belt, One Piece Apron, with 7/8" high cleats on 12-1/2" Centers, 1" high side wings, 1.5" Diameter Rollers (Flanged Rollers are available), Outside Sidebars are required on belts greater than 18", but also optional for smaller widths.

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt model fits your application, pay special attention to the unit's frame depth and cleat height. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVER Size	DRIVER TYPE	DRIVE Shaft. Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD CARRIER	STD. Drive	OTHER
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga aprons, 5/8" cleats on 12" centers	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721
721 724	Standard duty scrap conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high
727	Tapered infeed cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 5/8" cleats on 12-1/2" centers	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"

Unit Weights (Shipping Weights – Ibs.)

Model 722

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
LENGTHS								
4'	365	389	412	459	537	600	676	750
8'	535	583	626	714	854	961	1100	1236
12'	741	814	878	1008	1211	1363	1566	1765
16'	911	1008	1092	1263	1528	1724	1990	2251
20'	1081	1202	1306	1518	1845	2085	2414	2737
24'	1287	1433	1558	1812	2202	2487	2880	3266
28'	1457	1627	1772	2067	2519	2848	3304	3752
ADD FOR EACH CURVE	49	55	61	74	92	106	124	142

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 722 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5° . Maximum skid length is 27° .

Model 726

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
LENGTHS								
4'	348	374	401	454	537	604	686	768
8'	521	572	623	723	876	994	1147	1299
12'	730	807	883	1031	1255	1425	1650	1873
16'	903	1005	1105	1300	1594	1815	2111	2404
20'	1076	1203	1327	1569	1933	2205	2572	2935
24'	1285	1438	1587	1877	2312	2636	3075	3509
28'	1458	1636	1809	2146	2651	3026	3536	4040
ADD FOR EACH CURVE	48	54	61	74	93	107	126	146

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

			-					
BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 721 & 724 Standard Duty Scrap Conveyor

(Model 724 is a liquid tight Model 721)

This unit is one of the industry's most economical and dependable hinged steel belt conveyors. It features a deep frame of 8-1/2" through its entire length. This deep frame is designed for long-term, low-maintenance operation in almost any industrial or steel scrap application. Model 721 Type III with 60 degree curves

The Model 724 is a liquid tight Model 721 – The liquid tight frame is one piece of formed metal as shown on the right photo. A typical frame with a bolt on bottom pan is shown on the left. Note: Photos are shown with the bottom side up.





Uptime Express – 3-5 day widths are shaded in blue.

Belt Width:	6"	8"	12"	18"	24"	30"	36"
Frame Width:	10"	12"	16"	22"	28"	34"	40"



MODEL 721 & 724 Standard Duty Scrap Conveyor

Standard Specifications

Widths: 6", 8", 12", 18", 24", 30" and 36" (Custom Widths Available) Lengths: Per Application

Standard Speed: 30 FPM

Standard Motor: 1/2 HP 230/460/3/60 TEFC

- Standard Drive: Top Mount, Right Side
- Frame: 8-1/2" Deep x Formed 12 Gauge

Drive Shaft: 1-7/16" diameter **Bearings:** Grease Sealed

Sprockets: 6 Tooth x 5" Pitch Diameter

Belt: 2-1/2" Pitch Hinged Steel Belt with 1-3/8" high cleats on 12-1/2" Centers, 1.5" high side wings, 1.5" Diameter Rollers (Flanged Rollers are available), Outside Sidebars are required on belts greater than 18", but also optional for smaller widths.

Hinged Steel Belt Comparison Chart

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt model fits your application, pay special attention to the unit's **frame depth and cleat height**. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVER Size	DRIVER Type	DRIVE Shaft. Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD CARRIER	STD. Drive	OTHER
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga aprons, 5/8" cleats on 12" centers	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721
721 724	Standard duty scrap conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high
727	Tapered infeed cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 5/8" cleats on 12-1/2" centers	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"

Unit Weights (Shipping Weights – Ibs.)

Model 721

BELT WIDTHS	4 "	6"	8"	12"	18"	24"	30"	36"
LENGTHS								
4'	375	398	422	470	545	607	682	756
8'	551	595	640	730	867	971	1108	1242
12'	763	829	896	1029	1229	1376	1576	1771
16'	939	1026	1114	1289	1551	1740	2002	2257
20'	1115	1223	1332	1549	1873	2104	2428	2743
24'	1327	1457	1588	1848	2235	2509	2896	3272
28'	1503	1654	1806	2108	2557	2873	3322	3758
ADD FOR EACH CURVE	54	62	68	80	98	110	128	146

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 721 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

Model /24								
BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
LENGTHS								
4'	374	401	427	481	564	635	718	805
8'	553	604	654	755	908	1030	1184	1341
12'	768	844	919	1068	1292	1466	1692	1920
16'	947	1047	1146	1342	1636	1861	2158	2456
20'	1126	1250	1373	1616	1980	2256	2624	2992
24'	1341	1490	1638	1929	2364	2692	3132	3571
28'	1520	1693	1865	2203	2708	3087	3598	4107
ADD FOR EACH CURVE	51	58	64	77	97	111	131	150

Conveyor weights include standard drive and supports.

Other options, crating etc. are not included.

Model 724 -	- Note: these are genera	l guidelines for freight ra	ate estimates only. Fina	al dimensions may vary
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BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 720 & 723 Medium Duty Chip Conveyor

(Model 720 is a heavy drive shaft Model 721) (Model 723 is a heavy drive shaft, liquid tight Model 721)

This unit is one of the industry's most economical and dependable hinged steel belt conveyors. It features a deep frame of 8-1/2" and a heavy drive shaft of 1-11/16". This unit is designed for longer run and heavier scrap 2-1/2" pitch hinged steel belt applications. Model 720 Type III with 60 degree curves

The Model 723 is a liquid tight Model 720 with a heavy duty drive shaft – The liquid tight frame is one piece of formed metal as shown on the right photo. A typical frame with a bolt on bottom pan is shown on the left. Note: Photos are shown with the bottom side up.



Belt Width:	6"	6" 8" 12"		18"	24"	30"	36"
Frame Width:	10"	12"	16"	22"	28"	34"	40"



MODEL 720 & 723 Medium Duty Chip Conveyor

Standard Specifications

Widths: 6", 8", 12", 18", 24", 30" and 36" (Custom Widths Available)

Lengths: Depends on Application

Standard Speed: 30 FPM

Standard Motor: 1/2 HP 230/460/3/60 TEFC

Standard Drive: Top Mount, Right Side

Frame: 8-1/2" Deep x Formed 12 Gauge

Hinged Steel Belt Comparison Chart

Drive Shaft: 1-11/16" diameter (The M721 is 1-7/16" dia.) Bearings: Grease Sealed

Sprockets: 6 Tooth x 5" Pitch Diameter

Belt: 2-1/2" Pitch Hinged Steel Belt with 1-3/8" high cleats on 12-1/2" Centers, 1.5" high side wings, 1.5" Diameter Rollers (Flanged Rollers are available), Outside Sidebars are required on belts greater than 18", but also optional for smaller widths.

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt model fits your application, pay special attention to the unit's frame depth and cleat height. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVER SIZE	DRIVER Type	DRIVE Shaft. Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga aprons, 5/8" cleats on 12" centers	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721
721 724	Standard duty scrap conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high
727	Tapered infeed cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 5/8" cleats on 12-1/2" centers	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"

Unit Weights (Shipping Weights – Ibs.)

Model 720

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
LENGTHS								
4'	421	446	472	526	609	670	753	836
8'	597	643	690	786	931	1034	1179	1322
12'	809	877	946	1085	1293	1439	1647	1851
16'	985	1074	1164	1345	1615	1803	2073	2337
20'	1161	1271	1382	1605	1937	2167	2499	2823
24'	1373	1505	1638	1904	2299	2572	2967	3352
28'	1549	1702	1856	2164	2621	2936	3393	3838
ADD FOR EACH CURVE	54	62	68	80	98	110	128	146

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 720 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

Model 723

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
LENGTHS								
4'	420	449	447	537	628	698	789	885
8'	599	652	674	811	972	1093	1255	1421
12'	814	892	939	1124	1356	1529	1763	2000
16'	993	1095	1166	1398	1700	1924	2229	2536
20'	1172	1298	1393	1672	2044	2319	2695	3072
24'	1387	1538	1658	1985	2428	2755	3203	3651
28'	1566	1741	1885	2259	2772	3150	3669	4187
ADD FOR EACH CURVE	51	58	64	77	97	111	131	150

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Model 723 -	- Note: these are genera	l guidelines for freight rate	estimates only. Fina	l dimensions may vary
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BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 725 Low Profile Infeed Chip Conveyor

This unit features a very shallow infeed combined with the strength of a deeper intermediate and drive frame. The shallow 5-3/8" deep infeed is designed to fit under an existing machine. The remainder of the unit is 6-5/8" deep. This unique combination provides both strength and space flexibility.



The liquid tight frame is one piece of formed metal as shown on the right photo. A typical frame with a bolt on bottom pan is shown on the left. Note: Photos are shown with the bottom side up.



Belt Width:	6"	8"	12"	18"	24"	30"	36"
Frame Width:	10"	12"	16"	22"	28"	34"	40"



MODEL 725 Low Profile Infeed Chip Conveyor

Standard Specifications

Widths: 6", 8", 12", 18", 24", 30" and 36" (Custom Widths Available)
Lengths: Per Application
Standard Speed: 30 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Top Mount, Right Side
Bearings: Grease Seale, Marine @ Infeed

Infeed Frame: 5-3/8" Deep x Formed 12 Gauge Intermediate Frame: 6-5/8" Deep x Formed 12 Gauge Sprockets: 5 Tooth x 4.25" Pitch Diameter

Belt: 2-1/2" Pitch Hinged Steel Belt, One Piece Apron, with 7/8" high cleats on 12-1/2" Centers, 1.5" high side wings, 1.5" Diameter Rollers (Flanged Rollers are not available), Radial sidewings outside Sidebars are required on belts greater than 18" wide.

Hinged Steel Belt Comparison Chart

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt model fits your application, pay special attention to the unit's frame depth and cleat height. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVER SIZE	DRIVER TYPE	DRIVE Shaft. Dia.	IDLER SIZE	IDLER TYPE	IDLER Shaft Dia.	STANDARD Carrier	STD. DRIVE	OTHER
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga aprons, 5/8" cleats on 12" centers	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721
721 724	Standard duty scrap conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high
727	Tapered infeed cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 5/8" cleats on 12-1/2" centers	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"

Unit Weights (Shipping Weights - lbs.)

BELT WIDTHS	4 "	6"	8"	12"	18"	24"
LENGTHS						
4'	338	365	392	444	527	594
8'	511	563	614	713	866	984
12'	720	798	874	1021	1245	1415
16'	893	996	1096	1290	1584	1805
20'	1066	1194	1318	1559	1923	2195
24'	1275	1429	1578	1867	2302	2626
28'	1448	1627	1800	2136	2641	3016
ADD FOR EACH CURVE	46	52	60	71	91	105

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 725 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length - These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 727 Tapered Infeed – Cold Header Conveyor





MODEL 727 Tapered Infeed – Cold Header Conveyor

Standard Specifications

Widths: 6", 8", 12", 18", 24", 30" and 36" (Custom Widths Available) Lengths: Per Application

Standard Speed: 30 FPM

Standard Motor: 1/2 HP 230/460/3/60 TEFC

Standard Drive: Top Mount, Right Side

Frame: 6-5/8" Deep x Formed 12 Gauge

Infeed: Semi-Rounded

Hinged Steel Belt Comparison Chart

Drive Shaft: 1-3/16" diameter Bearings: Grease Sealed, Marine @ Infeed

Sprockets: 5 Tooth x 4.25" Pitch Diameter

Belt: 2-1/2" Pitch Hinged Steel Belt, One Piece Apron, with 5/8" high cleats on 12-1/2" Centers, 1" high side wings, 1.5" Diameter rollers (Flanged Rollers are available), Outside Sidebars are required on belts greater than 18", but also optional for smaller widths.

Hinged Steel Belt Conveyors – Chip and Scrap Hinged Steel Belt Conveyors — Hinged Steel Belts are designed to carry hot & oily metal parts or scrap. When determining which hinged steel belt model fits your application, pay special attention to the unit's frame depth and cleat height. A deeper frame adds the strength needed for longer runs and heavier loads. Deeper frames also provide the room for taller cleats. A taller cleat will move more product than a shorter one. A taller cleat may also be required for steeper inclines (For example, a 1-1/2" high cleat will carry more load up a 60 degree incline than a 5/8" high cleat.) Other unit's lower profile frames are designed to fit into tight spaces.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVER SIZE	DRIVER Type	DRIVE Shaft. Dia.	IDLER SIZE	IDLER TYPE	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
715	Light duty – 1-1/2" pitch chip conveyor	14	4.125"	10 tooth	4.854 pd	1.1875"	1.375" OD	Hub	.75"	14ga aprons, 5/8" cleats on 12" centers	Тор	Frame tapers from 4.125" @ infeed to 6-5/8" @ discharge
720 723	Medium duty chip conveyor Liquid tight M720	12	8.5"	6 tooth	5" pd	1.6875"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	720 – Heavy shaft M721 723 – Heavy shaft, liquid tight M721
721 724	Standard duty scrap conveyor Liquid tight M721	12	8.5"	6 tooth	5" pd	1.4375"	6 tooth	5" pd	1.1875"	12ga aprons, 1-3/8" cleats on 12-1/2" centers	Тор	Entire frame is 8-1/2" deep – Flat top cleats are 1-1/8" high
722 726	Light duty chip conveyor Liquid tight M722	12	6.625"	5 tooth	4.25" pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Entire frame is 6-5/8" deep – Flat top cleats are 5/8" high
725	Low profile infeed chip conveyor	12	5.375"	5 tooth	4.25 pd	1.1875"	1.75" OD	Hub	.75"	12ga aprons, 7/8" cleats on 12-1/2" centers	Тор	Frame tapers from 5-3/8" to 6-5/8" – Flat top cleats are 5/8" high
727	Tapered infeed cold header conveyor	12	6.625"	5 tooth	4.25 pd	1.1875"	5 tooth	4.25"	1.1875"	12ga aprons, 5/8" cleats on 12-1/2" centers	Тор	Frame tapers from 6-5/8" to 4-1/8" back to 6-5/8"

Unit Weights (Shipping Weights – lbs.)

BELT WIDTHS	4"	6"	8"	12"	18"	24"
LENGTHS						
4'	328	355	380	433	514	585
8'	501	553	602	702	853	975
12'	710	788	862	1010	1232	1406
16'	883	986	1084	1279	1571	1796
20'	1056	1184	1306	1548	1910	2186
24'	1265	1419	1566	1856	2289	2617
28'	1438	1617	1788	2125	2628	3007
ADD FOR EACH CURVE	44	51	59	69	83	97

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

Model 727 — Note: these are general guidelines for freight rate estimates only. Final dimensions may vary.

BELT WIDTHS	4"	6"	8"	12"	18"	24"	30"	36"
Top Mount Skid Width	16"	18"	20"	24"	30"	36"	42"	48"
Side Mount Skid Width	28"	30"	32"	36"	42"	48"	54"	60"

Skid Length – These units are typically shipped assembled. The skid length is the overall length + 5". Maximum skid length is 27'.

MODEL 750 & 751 4" Pitch Hinged Steel Belt

(Model 750 is a heavy drive and infeed shaft M751)



Belt Width:	12"	18"	24"	30"	36"	48"	60"
Frame Width:	19"	25"	31"	37"	42"	55"	67"



MODEL 750 & 751 4" Pitch Hinged Steel Belt

Standard Specifications

Widths: 12", 18", 24", 30", 36", 48", and 60" (Custom Widths Available)
Lengths: Depends on Application
Standard Speed: 30 FPM
Standard Motor: 1/2 HP 230/460/3/60 TEFC
Standard Drive: Top Mount, Right Side
Frame: 15-1/4" Deep x Formed 10 Gauge
Drive Shaft Dia.: (M751 = 1-15/16") (M750 = 2-15/16") **Infeed Shaft Dia.:** (M751 = 1-11/16") (M750 = 1-15/16") **Bearings:** Grease Sealed

Sprockets: 6 Tooth x 8" Pitch Diameter

Belt: 4" pitch hinged steel belt, one piece apron, with 2-3/8" high cleats on 24" centers, 3" high side wings, 1-3/4" diameter hardened flanged rollers, outside sidebars, 1/2" diameter axle with impact tube.

Hinged Steel Belt Comparison Chart

Hinged Steel Belt Conveyors - Heavy Duty Scrap Hinged Steel Belts - Hinged Steel Belts are designed to carry hot & oily metal parts or scrap.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME Depth	DRIVER Size	DRIVER Type	DRIVE Shaft. Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
751 750	4" pitch HSB Hvy drive shaft M751	10 10	15.25" 15.25"	6 tooth 6 tooth	8" pd 8" pd	1.9375" 2.9375"	6 tooth 6 tooth	8" pd 8" pd	1.6875" 1.9375"	7ga aprons, 2-3/8" cleats on 24" centers	Тор	M750 Takeup at Infeed M751 Takeup at Drive
760	6" pitch hinged steel belt	Channel	23.25"	6 tooth	12" pd	3.4375"	6 tooth	12" pd	2.9375"	1/4" aprons, 4" cleats on 48" centers	Тор	Heavy duty hinged steel belt applications

Unit Weights (Shipping Weights – Ibs.)

Μ	od	el	750
	u	•••	100

BELT WIDTHS	12"	18"	24"	30"	36"	48"	60"
LENGTHS							
5'	855	952	1050	1147	1245	1458	1671
10'	1294	1460	1627	1793	1960	2341	2723
20'	2247	2553	2861	3168	3476	4200	4925
30'	3200	3646	4095	4543	4992	6059	7127
40'	4153	4739	5329	5918	6508	7918	9329
50'	5106	5832	6563	7293	8024	9777	11531
60'	6059	6925	7797	8668	9540	11636	13733
ADD FOR EACH CURVE	163	191	219	247	275	342	409

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Model 751

BELT WIDTHS	12"	18"	24"	30"	36"	48"	60"
LENGTHS							
5'	845	932	1020	1107	1195	1398	1601
10'	1284	1440	1597	1753	1910	2281	2653
20'	2237	2533	2831	3128	3426	4140	4855
30'	3190	3626	4065	4503	4942	5999	7057
40'	4143	4719	5299	5878	6458	7858	9259
50'	5096	5812	6533	7253	7974	9717	11461
60'	6049	6905	7767	8628	9490	11576	13663
ADD FOR EACH CURVE	163	191	219	247	275	342	409

Conveyor weights include standard drive and supports. Other options, crating etc. are not included.

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS



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MODEL 760 6" Pitch Hinged Steel Belt



Belt Width:	12"	18"	24"	30"	36"	48"	60"	72"
Frame Width:	23-1/4"	29-1/4"	35-1/4"	41-1/4"	47-1/4"	59-1/4"	71-1/4"	83-1/4"



MODEL 760 6" Pitch Hinged Steel Belt

Standard Specifications

Widths: 12" - 72" (Custom Widths Available)
Lengths: Depends on Application (Min. of 8');
Standard Infeed: 60" (Min. of 36")
Standard Discharge: 60"
Standard Speed: 30 FPM
Standard Motor: 3 HP 230/460/3/60 TEFC
Standard Drive: Top Mount, Right Side
Frame: Structural "C" Channel 3" x 4.1# x 21-3/4" Deep; (7 Gauge is also Available)
Frame Depth: 21-3/4"
Frame Width: Belt Width + 11-1/4"
Bearings: Grease Sealed Sprockets: 6 Tooth x 12" Pitch Diameter
Belt: 6" Pitch Hinged Steel Belt with 4" High Cleats on 48" Centers, 7 Gauge x 4" High Side Wings, 3" Diameter x 1.5" Flanged Rollers, Outside Sidebars
Supports: Structural "C" Channel; 6" x 8.2#
Others: Access Panels, Take up at Infeed, 7 Gauge Siderails

Hinged Steel Belt Comparison Chart

Hinged Steel Belt Conveyors - Heavy Duty Scrap Hinged Steel Belts - Hinged Steel Belts are designed to carry hot & oily metal parts or scrap.

MODEL	DESCRIPTION	FRAME GAUGE	FRAME DEPTH	DRIVER SIZE	DRIVER TYPE	DRIVE Shaft. Dia.	IDLER SIZE	IDLER TYPE	IDLER Shaft Dia.	STANDARD Carrier	STD. DRIVE	OTHER
751 750	4" pitch HSB Hvy drive shaft M751	10 10	15.25" 15.25"	6 tooth 6 tooth	8" pd 8" pd	1.9375" 2.9375"	6 tooth 6 tooth	8" pd 8" pd	1.6875" 1.9375"	7ga aprons, 2-3/8" cleats on 24" centers	Тор	M750 Takeup at Infeed M751 Takeup at Drive
760	6" pitch hinged steel belt	Channel	23.25"	6 tooth	12" pd	3.4375"	6 tooth	12" pd	2.9375"	1/4" aprons, 4" cleats on 48" centers	Тор	Heavy duty hinged steel belt applications

Unit Weights (Shipping Weights – Ibs.)

CONTACT NLE FOR CONVEYOR WEIGHTS

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS



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MODEL 770 Slat Conveyors

These units are commonly used in assembly line operations where product moves at a slow rate of speed through several operator work stations. The slats are made of formed 7 gauge steel, 5-7/8" wide x 1-1/2" deep on 6" centers. The strength of the individual slats is ideally suited to convey larger and heavier products like washing machines, furnitureand larger automobile parts.



MODEL 770 Slat Conveyors

Standard Specifications

Frame: 7 gauge x 23" deep
Slats: 7 gauge x 5-7/8" wide x 1-1/2" on 6" centers (unpainted)
Standard Speed: 30 FPM
Standard Drive: Side Mount Drive
Supports: Heavy Duty – Structural Channel

Slat Conveyors Comparison Chart

Slat Conveyors — Slat conveyors are ideally suited to convey larger and heavier products like washing machines and larger automobile parts

MODEL	DESCRIPTION	FRAME Gauge	FRAME Depth	DRIVER SIZE	DRIVER TYPE	DRIVE Shaft Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
770	Slat conveyor	7	23"	8 tooth	15.68" pd	2.9375"	8 tooth	15.68"	2.1875"	5-7/8" x 1-1/2" x 7 ga.	Side	Suitable for heavy loads

Unit Weights (Shipping Weights - Ibs.)

PER APPLICATION – CONTACT NLE

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS



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MODEL 800, 801 & 802 Wire Mesh Conveyors

This light to medium-duty wire mesh conveyor is designed to handle special applications with a variety of deck options including rollers, longitudinal wear strips and herringbone wear strips.

Model 800



Model 802



12"

15-1/2"

Belt Width:

Frame Width:

Model 800

Herringbone Wear Strip Deck:

- The Herringbone wear strips are made of stainless steel
 Ideal for water, high temperature and/or dirty and gritty
- applications
- The unique Herringbone deck pattern spreads the belt wear evenly across the belt

Model 801

Roller Bed Deck:

- · Medium- to heavy-duty applications
- Rollers reduce friction between the wire mesh and deck
 optimizing drive horsepower

Model 802

18"

21-1/2"

High-density Plastic Wear Strip Deck:

- · An all-around cost-effective performer
- · Light- to medium-duty applications
- "Snap on, Snap off" wear strips are easy to replace

30"

33-1/2"

36"

39-1/2"

24"

27-1/2"

Model 800



Model 801



Model 802



Wire mesh conveyors are designed to carry hot or
cold items from ovens or freezers. They are also
used when items need to be washed or dried.


MODEL 800, 801 & 802 Wire Mesh Conveyors

Standard Specifications

Widths: 12" – 36" (Custom Widths Available) Standard Speed: 60 FPM Standard Motor: 1/2 HP 230/460/3/60 TEFC Standard Drive: Bottom Mount @ Discharge Frame: 12 Gauge x 6-1/2" Deep Bearings: Grease Sealed Sprockets: 13 Tooth x 4.1" Pitch Diameter Standard Mesh: 1/2" x 1" Galvanized Steel

Wire Mesh Conveyors Comparison Chart

Wire Mesh Conveyors — Wire mesh conveyors are designed to carry hot or cold items from ovens or freezers. They are also used when items need to be washed and / or dried.

MODEL	DESCRIPTION (BED STYLE)	FRAME Gauge	FRAME Depth	DRIVER SIZE	*DRIVER TYPE*	DRIVE Shaft Dia.	IDLER SIZE	IDLER Type	IDLER Shaft Dia.	STANDARD Carrier	STD. Drive	OTHER
800 801 802	Herringbone style bed Roller bed UHMW wear strip bed	12	6.5"	13 tooth	4.1" pd	1.1875"	13 tooth	4.1 pd	1.1875"	1/2" x 1" galvanized flat wire mesh	Bottom mount	Used for product washing or drying

Unit Weights (Shipping Weights – Ibs.)

Model 800

BELT WIDTH	12"	18"	24"	30"	36"
LENGTHS					
5'	340	385	430	475	520
10'	443	519	595	671	747
15'	581	689	797	905	1013
20'	684	823	962	1101	1240
25'	822	993	1164	1335	1506
30'	925	1127	1329	1531	1733
35'	1063	1297	1531	1765	1999

Conveyor weights include supports. Other options, crating etc. are not included.

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS

Model 801

BELT WIDTH	12"	18"	24"	30"	36"
LENGTHS					
5'	331	374	417	460	503
10'	426	496	566	636	706
15'	556	654	752	850	948
20'	651	776	901	1026	1151
25'	781	934	1087	1240	1393
30'	876	1056	1236	1416	1596
35'	1006	1214	1422	1630	1838

Conveyor weights include supports. Other options, crating etc. are not included.

Model 802

BELT WIDTH	12"	18"	24"	30"	36"
LENGTHS					
5'	321	364	409	454	499
10'	424	498	574	650	726
15'	562	668	776	884	992
20'	665	802	941	1080	1219
25'	803	972	1143	1314	1485
30'	906	1106	1308	1510	1712
35'	1044	1276	1510	1744	1978

Conveyor weights include supports. Other options, crating etc. are not included.



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MODEL 901, 910, 911, 920, 921 & 950 Gravity Roller Conveyors





MODEL 901, 910, 911, 920, 921 & 950 Gravity Roller Conveyors

Series 900 (Gravity Roller Conveyor) Summary

MODEL	ROLLER DIAMETER	ROLLER TUBE GAUGE	HEX AXLE	FRAME DEPTH	FRAME GAUGE	ROLLER Rating
Model 901	1-3/8"	18	5/16	2-1/2" x 1"	12	100#
Model 910	2"	16	7/16	3-1/2" x 1-1/4"	10	240#
Model 911	2"	13	7/16	3-1/2" x 1-1/4"	10	280#
Model 920	2-1/2"	11	11/16	4 x 5.4#-channel	frame	600#
Model 921	2-5/8"	7	11/16	4 x 5.4#-channel frame 650		650#
Model 950	3-1/2"	.300 wall pipe	1-1/16	6 x 8.2#-channel	frame	2,000#

Unit Weights (Shipping Weights - Ibs.)

Model 901

BETWEEN FRAMES	8"	12"	18"	24"	30"	36"
LENGTHS						
4'	99	105	115	124	133	143
8'	198	210	230	248	266	286
12'	297	315	345	372	399	429
16'	430	455	496	533	570	611
20'	529	560	611	657	703	754
24'	628	665	726	781	836	897
28'	761	805	877	942	1007	1079

Conveyor weights include rollers on 3" centers and supports. Other options, crating etc. are not included.

Model 911

BETWEEN FRAMES	8"	12"	18"	24"	30"	36"
LENGTHS						
4'	125	140	163	185	208	231
8'	250	280	326	370	416	462
12'	375	420	489	555	624	693
16'	534	595	688	777	870	963
20'	659	735	851	962	1078	1194
24'	784	875	1014	1147	1286	1425
28'	943	1050	1213	1369	1532	1695

Conveyor weights include rollers on 3" centers and supports. Other options, crating etc. are not included.

Model 921

BETWEEN FRAMES	8"	12"	18"	24"	30"	36"	48"
LENGTHS							
4'	189	226	279	337	393	448	557
8'	378	452	558	674	786	896	1114
12'	567	678	837	1011	1179	1344	1671
16'	790	939	1152	1385	1610	1831	2268
20'	979	1165	1431	1722	2003	2279	2825
24'	1168	1391	1710	2059	2396	2727	3382
28'	1391	1652	2025	2433	2827	3214	3979

Conveyor weights include rollers on 3" centers and supports. Other options, crating etc. are not included.

Model 910

BETWEEN FRAMES	8"	12"	18"	24"	30"	36"
LENGTHS						
4'	99	105	115	124	133	143
8'	198	210	230	248	266	286
12'	297	315	345	372	399	429
16'	430	455	496	533	570	611
20'	529	560	611	657	703	754
24'	628	665	726	781	836	897
28'	761	805	877	942	1007	1079

Conveyor weights include rollers on 3" centers and supports. Other options, crating etc. are not included.

Model 920

BETWEEN FRAMES	8"	12"	18"	24"	30"	36"	48"
LENGTHS							
4'	171	198	235	278	318	358	437
8'	342	396	470	556	636	716	874
12'	513	594	705	834	954	1074	1311
16'	718	827	976	1149	1310	1471	1788
20'	889	1025	1211	1427	1628	1829	2225
24'	1060	1223	1446	1705	1946	2187	2662
28'	1265	1456	1717	2020	2302	2584	3139

Conveyor weights include rollers on 3" centers and supports. Other options, crating etc. are not included.

Skid Dimensions

CONTACT NLE FOR SKID DIMENSIONS MODEL 950 WEIGHTS – CONTACT NLE



This flat top style belt curve is engineered so all components are located below the belt's surface. This adds versatility in that products wider than the belt will orientate through the curve. These units are chosen over roller curves where positive orientation is critical in applications such as baggage handling or in printing operations.



Standard Specifications

Widths: Up to 48"
Arcs: From 15 to 180 degrees
Standard Speeds: Up to 400 FPM
Standard Motor: 1/2 HP 230/460V/3/60
Drives: End Drive Shaft Mounted at the Discharge on the Outside Radius
Standard Belt: Black PVC 120, Clipper Lacing
Frame: 7-1/2" Deep x 12 Gauge
Standard Supports: 12 Gauge Formed Channel
Live Loads: Up to 40 Lbs./Ft.



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Flat Top Powered Belt Curve Dimensional Data

36" Outside Radius Dimensional Data (inches)

А	В	C	D
BELT WIDTH	INSIDE RADIUS	CENTER LINE	OUTSIDE BELT RADIUS
6	29	32.5	35.5
8	27	31.5	35.5
10	25	30.5	35.5
12	23	29.5	35.5
14*	21	28.5	35.5
16*	19	27.5	35.5
18*	17	26.5	35.5
Maximum live loa	d @ 60 FPM is 125	lbs.	

Maximum speed @ 10 lbs. live load is 200 FPM

*There is a slight bearing protrusion at inside radius.

Contact NLE for use with oversided product applications.

60" Outside Radius Dimensional Data (inches)

А	В	C	D
BELT WIDTH	INSIDE RADIUS	CENTER LINE	OUTSIDE BELT RADIUS
12	47	53.5	59.5
14	45	52.5	59.5
16	43	51.5	59.5
18	41	50.5	59.5
20	39	49.5	59.5
22	37	48.5	59.5
24	35	47.5	59.5
26	33	46.5	59.5
28	31	45.5	59.5
30*	29	44.5	59.5
32*	27	43.5	59.5
34*	25	42.5	59.5
36*	23	41.5	59.5

Maximum live load @ 60 FPM is 225 lbs.

Maximum speed @ 10 lbs. live load is 400 FPM

*There is a slight bearing protrusion at inside radius.

Contact NLE for use with oversided product applications.



48" Outside Radius Dimensional Data (inches)

A	В	C	D
BELT WIDTH	INSIDE RADIUS	CENTER LINE	OUTSIDE BELT RADIUS
6	41	44.5	47.5
8	39	43.5	47.5
10	37	42.5	47.5
12	35	41.5	47.5
14	33	40.5	47.5
16	31	39.5	47.5
18	29	38.5	47.5
20*	27	37.5	47.5
22*	25	36.5	47.5
24*	23	35.5	47.5

Maximum live load @ 75 FPM is 175 lbs.

Maximum speed @ 10 lbs. live load is 300 FPM

*There is a slight bearing protrusion at inside radius.

Contact NLE for use with oversided product applications.

84" Outside Radius

Α	В	C	D
BELT WIDTH	INSIDE RADIUS	CENTER LINE	OUTSIDE BELT RADIUS
18	65	74.5	83.5
20	63	73.5	83.5
22	61	72.5	83.5
24	59	71.5	83.5
26	57	70.5	83.5
28	55	69.5	83.5
30*	53	68.5	83.5
32*	51	67.5	83.5
34*	49	66.5	83.5
36*	47	65.5	83.5
38*	45	64.5	83.5
40*	43	63.5	83.5
42*	41	62.5	83.5
44*	39	61.5	83.5
46*	37	60.5	83.5
48*	35	59.5	83.5

Maximum live load @ 60 FPM is 250 lbs.

Maximum speed @ 10 lbs. live load is 400 FPM

*There is a slight bearing protrusion at inside radius.

Contact NLE for use with oversided product applications.

36" Outside Radius Dimensional Data (inches)

UNIT	NEIGHTS AND AP	PROXIMATE SKID DIMENSIONS
RADIUS	WEIGHT	APPROXIMATE SKID SIZE
36"	275#	36" × 60"
48"	350#	42" x 74"
60"	450#	48" x 90"
84"	600#	64" x 130"

Weights include a drive and supports.

Other options, crating etc. are not included.

PlastiTrak Model 1000 Table of Contents

APPLICATION	N	CHAIN UMBER	CHAIN Material	PRODUCT CLASS & APPLICATIONS	PAGE
	815		Stainless Steel	Used in applications requiring corrosion, abrasion and heat resistance. Used to convey products like glass containers, hot metal parts and other parts where water or lubricants are present.	115
	815		Carbon Steel	Used in metal parts handling applications and other applications that require the high strength and impact resistance of a hardened chain surface.	115
Straight Running Conveyors Model 1000-S	820		Plastic	These all purpose chains are made with a patented blend of low cost materials. Because these chains are so common and manufactured in such large volumes, they are the ideal choice when cost is the primery purphasing factor.	115
	821		Plastic	primary purchasing factor.	115
	LBP 821	A	Plastic (Straight Running Accumulations)	This chain's small, closely spaced rollers are ideal for accumulating small products with a small footprint like bags of snacks and candy as well as irregular shaped items like magazines or newspapers.	115

PlastiTrak Model 1000 Table of Contents

APPLICATION		CHAIN NUMBER	CHAIN Material	PRODUCT CLASS & APPLICATIONS	PAGE
Curved Conveyors Model 1000-C	LBP 882 Tab		Plastic (Curved Accumulations)	This chain's small, closely spaced rollers are ideal for accumulating small products with a small footprint like bags of snacks and candy as well as irregular shaped items like magazines or newspapers.	117
	881 Tab		Stainless Steel	Used in applications requiring corrosion, abrasion and heat resistance. Used to convey products like glass containers, hot metal parts and other parts where water or lubricants are present.	117
	881 Tab		Carbon Steel	Used in metal parts handling applications and other applications that require the high strength and impact resistance of a hardened carrying surface.	117
	882 Tab		Plastic	This all purpose chain is made a patented blend of low cost materials. This very common chain is manu- factured in large volumes, making it the ideal choice when cost is a primary purchasing factor.	117
	882 Tab		Plastic (With Molded Inserts)	This low cost chain has a high friction insert molded to each plate for use in incline/decline applications.	117
Note: These are the more common chains for these applications. Many other options are available in different materials and styles depending upon the application's speed, configuration and load.					
Note: All of these chains can be used for varying amounts of accumulation. If your application will be accumulating, modifications may be required. Please inform your sales representative of all accumulation factors.					
PlastiTrak – Model Summary (A comparison of the Model 1000 and Model 2000)					134
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(These pages show the Model 1000-S with belts for straight running applications)

The Model 1000-S (S=Straight Running) is designed for straight running applications. This unit is capable of supporting various styles of plastic chains and metal chains. This conveyor is used to carry lighter weight products common in bottling operations, dairies and pharmaceutical plants.



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 1000-S Specifications

Frame: 12 Gauge x 6-11/16" Deep Frame Width: BW + 1/2" Frame Spreaders: 12 Gauge Formed Angle Shafts: 1-3/16" Round Shafts Return Rollers: 2" Diameter x 7/16" Hex Wear Strips: Straight Arrangements

MODEL 1000-S Straight Running Horizontal Plastic Chain Conveyors

CHAIN NUMBER	APPLICATIONS AND CHAIN QUALITIES
815 Stainless Steel Chain	This non-magnetic chain has excellent acid, corrosion and abrasion resistance properties. The austenitic stainless steel used in this chain also provides more heat resistance than carbon steel (up to 800 degrees dry vs. carbon steel's 350 degrees). This chain is commonly used to convey products like glass containers, hot metal parts and other parts where water or lubricants are present.
815 Carbon Steel Chain	This is a strong, abrasion resistant, fine grained, hardened carbon steel chain. This chain is built for applications where the chain is subjected to very abrasive conditions due to the environment or product surfaces. It is used to convey irregularly shaped products such as castings and machined steel parts and other applications that require the high strength and impact resistance of a hardened chain.
820 Plastic Chain	This low cost, all purpose chain is available in a wide range of chain widths. This chain is the ideal choice for dry, straight running applications. The lightweight qualities of this thin chain also permits use with faster operating speeds.
821 Plastic Chain	This thicker plastic chain is a bit more expensive than the 820 series but it is capable of handling a wider range of products with higher live loads. All in all, this is still a low cost alternative chain compared to competitors in its class.
LBP 821 Plastic Chain (Straight Running Accumulations)	This chain uses rollers to reduce friction for accumulation applications. Its small, closely spaced rollers are ideal for accumulating products with a small footprint like bags of snacks and candy as well as irregular shaped items like magazines or newspapers.

Straight Running Chain Specifications

CHAIN #	MATERIAL	PRICE COMPARED TO M1000 BELTS**	OTHER PRICE Comparisons	CHAIN THICKNESS	CHAIN STRENGTH (LBS.)	AVAILABLE CHAIN WIDTHS
815	Stainless Steel	\$\$\$	The 815 carbon steel is about half the price of 815 stainless steel	.12	.625	2-1/4", 2-5/8", 3-1/4", 4, 4-1/4", 6, 7-1/2"
815	Carbon Steel	\$\$.12	.625	
820	Plastic	\$	The 820 chain is about 20% less expensive than the 821 chain	.16	.365	3-1/4", 4, 4-1/2", 6, 7-1/2"
821	Plastic	\$\$.19	.625	7-1/2", 10, 12"
LBP821	Plastic	\$\$\$\$\$	The LBP 821 is about 10% more expensive than the LBP 882.	.54	.625	7-1/2", 10, 12"

** See page 136

MODEL 1000-C Standard Chains for Curved Applications

The Model 1000-C (C=Curved) is used when the application requires right hand or left hand curves. This unit is capable of supporting various styles of plastic and metal chains. This conveyor is used to carry lighter weight products common in bottling operations, dairies and pharmaceutical plants.



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 1000-C Specifications

Frame: 12 Gauge x 6-11/16" Deep Frame Width: BW + 1/2" Frame Spreaders: 12 Gauge Formed Angle Shafts: 1-3/16" Round Shafts Return Rollers: 2" Diameter x 7/16" Hex Wear Strips: Straight Arrangements

MODEL 1000-C Standard Chains for Curved Applications

CHAIN NUMBER	APPLICATIONS AND CHAIN QUALITIES
LBP 882 Plastic Chain (Curved Accumulations)	This chain uses rollers to reduce friction for accumulation applications. Its small, closely spaced rollers are ideal for accumulating small products with a small footprint like bags of snacks and candy as well as irregular shaped items like magazines or newspapers.
881 Tab Stainless Steel Chain	This non-magnetic chain has excellent acid, corrosion and abrasion resistance properties. The austenitic stainless steel used in this chain also provides more heat resistance than carbon steel (up to 800 degrees dry vs. carbon steels 350 degrees). This chain is commonly used to convey products like glass containers, hot metal parts and other parts where water or lubricants are present.
881 Tab Carbon Steel Chain	This is a strong, abrasion resistant, fine grained, hardened carbon steel chain. This chain is built for applications where the chain is subjected to very abrasive conditions due to the environment or product surfaces. It is used to convey irregularly shaped products such as castings and machined steel parts and other applications that require the high strength and impact resistance of a hardened chain.
882 Tab Plastic Chain	This low cost, all purpose chain is available in a wide range of chain widths. This chain is the ideal choice for dry, curved applications.
882 Tab Plastic Chain (With Molded Inserts)	This low cost chain has a high friction insert molded to each plate for use in curved incline / decline applications.

Curved Chain Specifications

CHAIN #	MATERIAL	PRICE Compared to M1000 Belts**	OTHER PRICE Comparisons	CHAIN THICKNESS	CHAIN STRENGTH (LBS.)	AVAILABLE CHAIN WIDTHS
LBP 882	Plastic	\$\$\$\$\$	The LBP 882 is about 10% cheaper than the LBP 821 straight running chain	.69	.625	7-1/2", 10, 12"
881	Carbon Steel	\$\$\$	The 881 carbon steel is about	.12	.625	3-1/4", 4-1/2", 7-1/2"
881	Stainless Steel	\$\$\$\$	20% more economical than 881 stainless steel	.12	.625	
882 Tab	Plastic	\$\$\$	NA	.19	.625	3-1/4", 4-1/2", 7-1/2", 10", 12"
882 Tab	Plastic (Molded Inserts)	\$\$\$	NA	.19 + .08 for inserts	.625	7-1/2", 10, 12"

**See page 136

PlastiTrak Model 2000 Table of Contents

APPLICATION	INTRALOX	BELT SERIES	PRODUCT CLASS & APPLICATIONS	PAGE
Straight Running Plastic Belt Conveyors	900 Flat Top	900 Flush Grid	Ideal for transporting lightweight products like cases of plastic bottles or empty cans. Also ideal for applications where tipping or falling may be a concern.	121
(Economical Belts) Model 2000-S	1400 Flat Top	1400 Flush Grid	These series 1400 belts are ideal for transporting medium and heavier weight products like cases filled with cans or bottles, loaded pallets or stacks of lumber or containerboard.	121
H H	400 Flat Top	400 Flush Grid	Used for extremely heavy products like furniture, loaded pallets and large appliances. Also ideal for exceptionally long and wide applications.	121
Straight Running Accumulation	900 Roller Top		Ideal for accumulating lighter weight products like boxes of candy or gum, tissue paper or unfilled cans or plastic bottles.	123
Conveyors Model 2000-S	400 Roller Top		Ideal for accumulating heavy products like boxes of filled cans or bottles or plastic containers, laundry detergent or auto parts.	123
H M	1400 Roller Top		Used to accumulate irregular shaped and uneven surfaced products like newspapers or shrink wrapped items.	123
Curved Plastic Belt Conveyors	2400 Flush Grid		Ideal for conveying light to medium weight products like packaged candy or bakery, boxes filled with light products like napkins and short stacks of paper.	125
	2200 Flush Grid		Ideal for conveying heavier products like boxes or tubs of filled cans, bottles or plastic containers or larger/taller stacks of paper, cardboard or containerboard.	125

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APPLICATION	INTRA	ALOX BELT SERIES	PRODUCT CLASS & APPLICATIONS	PAGE	
Curved & Flighted Conveyors Model 2000-CF	2400 Flush Grid		Ideal for conveying light to medium weight products like packaged candy or bakery, boxes filled with light products like napkins and short stacks of paper.	127	
F	2200 Flush Grid		Ideal for conveying heavier products like boxes or tubs of filled cans, bottles or plastic containers or larger/taller stacks of paper, cardboard or containerboard.	127	
Flighted Belt Conveyors Model 2000-F	900 Flat Top 9	000 Flush Grid	These series 900 belts are used to carry light- weight, small unboxed, loose, unpackaged products like empty plastic bottles, bottle caps, small screws, nuts or bolts.	129	
H	400 Flat Top 4	100 Flush Grid	These series 400 belts are used to carry heavier, unboxed, loose, unpackaged products like metal scrap or slugs or filled cans or plastic bottles.	129	
Floor to Floor Conveyors with a Nose Over	900 Flat Friction Top	p 900 Square Friction Top	These series 900 belts are used for transporting light and medium weight boxes, cases, totes and all sorts of packaged products.	131	
MUGEI ZUUU-N	1400 Flat Friction To	op 1400 Square Friction Top	These series 1400 belts are used for trans- porting boxes, cases, or tubs filled with heavier items like cans or bottles and all sorts of other heavier packaged products.	131	
	400 Angle Roller		Used in merging, case turning, transfers and de-palletizing applications. Also used to move clusters of products into a single line.	132	
Iransters and Accurate Product Positioning Applications	400 Ball Bent		Used in high-speed 90-degree transfer applications.	132	
(CONTACT NLE)	400 Transverse Roller Top		This belt is used in the 90-degree transfer of very heavy products. (Note: rollers roll opposite direction of the belt.)	132	
PlastiTrak – Model Summary (A comparison of the Model 1000 and Model 2000)				134	
PlastiTrak – Model to	PlastiTrak – Model to Model Benefit Comparison (Model 1000 and Model 2000 Benefits)				
Why lies Discrittrak?	raye	nofite of Ileina Dlactitude		130	
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MODEL 2000-S Straight Running Horizontal Plastic Belt Conveyors

(These pages show the Model 2000-S with general transport very economical belt choices)



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 2000-S Specifications

Frame: 10 Gauge x 7-5/8" Deep Frame Width: BW + 7/8" Frame Spreaders: 10 Gauge Formed Channel Shafts: 1-1/2" Square Shafts Return Rollers:2-1/2" Diameter x 11/16" HexWear Strips:Available in Both Straight and
Chevron Style ArrangementsOther:ACT System (Application Change Technology)
see page 135

General Transport Belt Options

Model 2000-S

Standard Belts for Use in Straight Running General Transport Economical Applications

Flat Top Belts – This belt's smooth, flat and totally closed surface is ideal for conveying small products that may get caught in the open surface of a flush grid. Also used in applications where product tipping or falling may be a problem.

Flush Grid Belts – The flush grid open surface is ideal for applications where air flow or liquid drainage are required. Flush grid belts are lighter than flat top belts, which make them more suitable for long, wide conveyor runs. Because there is less surface contacting products, friction is reduced so flush grid belts can also be used for slight accumulation and lateral movement applications. A flush grid belt is **not** recommended when the product is very small or has an uneven surface because these products may get caught in the flush grid belt's open areas. They are also 3-5% cheaper than flat tops.

INTRALOX BELT SERIES	PRIMARY APPLICATIONS	TYPICAL APPLICATIONS AND PRODUCTS
900 Flat Top 900 Flush Grid	Ideal for transporting lightweight products over fairly long distances where light impact is possible. The 1.07" pitch facilitates tight conveyor-to- conveyor transfers and produces low chordal action* for smoother operation at higher conveyor speeds.	This low chordal action* belt is ideal for very small and delicate products and where tipping or falling may cause a problem. This belt is ideal for individually filled cans, bottles, plastic containers, light cases, boxes or totes as well as delicate products like glassware and lightly stacked items like reams of paper or napkins.
1400 Flat Top 1400 Flush Grid	Used to convey medium to heavy weight products. This thick, strong belt is good for high impact applications and long and wide conveyors. This belt is unique in that it has a small pitch which results in minimal chordal* action, yet it has a robust .5" thickness resulting in an extremely durable belt good for everything from light products with tight transfers to medium to heavy products in high impact applications.	Typical products conveyed on the series 1400 belt range from medium weight products like individually filled cans, bottles or plastic containers and stacks of paper to heavier products like stacks of lumber or containerboard and loaded shipping pallets and cases.
400 Flat Top 400 Flush Grid	This extremely thick and strong 2" pitch belt is ideal for heavy duty, high impact applications and exceptionally long, wide conveyor runs carrying heavy products.	Used to convey heavy products like furniture, loaded pallets, appliances, large paper rolls, millwork, heavy batteries and stacks of wallboard.

Belt Specifications (*) (**) See Definition Page on page 136

INTRALOX BELT SERIES	PRICE COMPARED TO All M2000 Belts**	PRICES COMPARED TO BELTS IN THIS TABLE** (900 - 1400 - 400)	BELT Material*	BELT PITCH*	BELT THICKNESS
900 Flat Top	\$	\$\$	PP	1.07"	.385"
900 Flush Grid	\$		PP	1.07"	.385"
1400 Flat Top	\$\$	\$\$\$	PP	1.00"	.500"
1400 Flush Grid	\$\$		PP	1.00"	.500"
400 Flat Top	\$\$	\$\$\$\$	PP	2.00"	.625"
400 Flush Grid	\$\$		PP	2.00"	.625"

MODEL 2000-S Straight Running Horizontal Plastic Belt Conveyors

(These pages show the Model 2000-S with belts for straight running accumulation applications)



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 2000-S Specifications

Frame: 10 Gauge x 7-5/8" Deep Frame Width: BW + 7/8" Frame Spreaders: 10 Gauge Formed Channel Shafts: 1-1/2" Square Shafts Return Rollers: 2-1/2" Diameter x 11/16" Hex
 Wear Strips: Available in Both Straight and Chevron Style Arrangements
 Other: ACT System (Application Change Technology) see page 135

Accumulation Belt Options

Model 2000-S

Standard Belts for Use in Low Back Pressure Accumulation Applications

Note: Because a flush grid belt has less surface contact, friction is reduced so flush grid belts can be used in slight accumulation applications. If back pressure is not a major concern, consider accumulating on a less expensive flush grid belt. (The standard flush grid belts are the series 900, 1400 and 400 shown with the Model 2000-S economical belt choices).

INTRALOX BELT SERIES	PRIMARY APPLICATIONS	TYPICAL APPLICATIONS AND PRODUCTS
900 Roller Top	This thin, lightweight belt is equipped with narrow light duty rollers which make it ideal for accumulating medium and light weight products. The 1.07" belt pitch facilitates tight conveyor-to-conveyor transfers and produces low chordal action for smoother operation at higher speeds.	Due to its wide roller spacing, this belt works best with products that have flat , rigid bottom surfaces . Ideal for accumulating light to medium weight boxes filled with gum, candy, tissue paper and unfilled cans or plastic bottles.
400 Roller Top	This thick and extremely strong belt is built with wide, heavy-duty rollers, which makes it ideal for accumulating large and heavy products. This 2" pitch belt has superior pull strength and added beam strength, which makes it ideal for long, wide conveyor runs.	Due to its wide roller spacing, this belt works best with products that have flat , rigid bottom surfaces . Ideal for accumulating heavy cases or boxes containing items such as filled cans, bottles, plastic containers as well as things like laundry detergent, paper products and automotive products.
1400 Roller Top	This fairly thick and robust belt is made with wide, heavy-duty rollers that are spaced very close together. This narrow spacing increases the amount of product to roller contact making this belt ideal for accumulating irregular shaped and uneven surfaced products as well as small products with fairly small footprints .	Ideal for accumulating bundled products like newspapers and magazines, bags of snacks and candy and all sorts of shrink- wrapped products.

Roller Top Accumulation Belts – Belt Specifications (*) (**) See Definition Page on page 136

INTRALOX BELT SERIES	PRICE Compared to M2000 Belts**	PRICE COMPARED TO BELTS IN THIS TABLE** (900-400-1400)**	BELT MATERIAL	BELT PITCH	BELT THICKNESS	ROLLER Spacing Across width Of Belt	ROLLER SPACING Down Length Of Belt	ROLLER Diameter	ROLLER WIDTH
900 Roller Top	\$\$\$\$	\$\$\$	PP*	1.07"*	3/8"	2"	1.07"	12/16"	4/16"
400 Roller Top	\$\$\$\$	\$	PP*	2"*	5/8"	2"	2"	11/16"	13/16"
1400 Roller Top	\$\$\$\$	\$\$\$\$	Α*	1"*	4/8"	1"	1"	11/16"	13/16"

MODEL 2000-C Curved Plastic Belt Conveyors

The Model 2000-C (C = Curved) is used in applications that require right hand or left hand curves.



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 2000-C Specifications

Frame: 10 Gauge x 7-5/8" Deep Frame Width: BW + 7/8" Frame Spreaders: 10 Gauge Formed Channel Shafts: 1-1/2" Square Shafts Return Rollers:2-1/2" Diameter x 11/16" HexWear Strips:Available in Both Straight and Chevron Style
ArrangementsOther:ACT System (Application Change Technology)
see page 135

Model 2000-C Belts for Curved Applications

Flush Grid Belts – The flush grid belt's open surface makes them ideal for use in applications where air flow and drainage are required. Because there is less surface contacting products, there is less friction, so flush grid belts can also be used for slight accumulation and lateral movement applications. A flush grid belt is **not** recommended when the product is very small or has an uneven surface because these products may get caught in the flush grid belt's open space.

INTRALOX BELT SERIES	PRIMARY APPLICATIONS	TYPICAL APPLICATIONS AND PRODUCTS
2400 Flush Grid	Used in light to medium duty curved or side flexing applications. This belt is available in both a 2.2 turning radius and 1.7 tight turning radius***. The small 1" pitch design facilitates tight conveyor-to-conveyor transfers especially for small delicate products.	This belt's low chordal action* and smooth operation is ideal for conveying all sorts of lightweight packaged products like candy or bakery and boxes filled with light products like napkins or toilet paper. It is also ideal for short stacks of paper and tubs filled with empty plastic containers.
2200 Flush Grid	Used in medium to heavy duty curved or side flexing applications. This strong 1.5" pitch belt is exceptionally durable and robust belt is ideal for conveying heavy products . Available in 2.2 turning radius*** only.	Used to convey all sorts of boxes filled with heavier products like filled cans, plastic containers, bottles and jars. This belt can also be used to carry larger/taller stacks of paper, cardboard or containerboard and filled pallets.

Belt Specifications (*) (**) See Definition Page on page 136

INTRALOX Belt Series	PRICE COMPARED TO All M2000 Belts**	PRICES COMPARED TO Belts in this table**	BELT MATERIAL	BELT Pitch	TURNING Radius
2400 Flush Grid	\$\$	\$	PP*	1"*	1.7 & 2.2
2200 Flush Grid	\$\$	\$	PP*	1.5"*	2.2

***The turning radius is the minimum radius required for the belt to make the turn. It is calculated by multiplying the belts rated turning radius by its width. For example, a 24" wide Series 2200 x 2.2 Turning Radius belt requires a minimum inside turning radius (measured from edge of conveyor) of 52.8 inches (24 x 2.2 = 52.8 inches).

Common Belt Options:

Sanoprene Friction Surfaces & Flights: A sanoprene molded rubber surface or a flight can be attached to the belt to prevent slippery (wet or oily) products from sliding off the belt while traveling through the curve. (Similar to friction top – see M2000-N).

Sideguards: Sideguards are used to prevent product from slipping off the belt while traveling through the curve area. Standard sideguards can also be used when products must be separated while being transported.



MODEL 2000-CF Curved and Flighted Conveyors (Both a curve and elevation change)



See Model 2000-C Drawings

For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 2000-CF Specifications

Frame: 10 Gauge x 7-5/8" Deep (Flights up to 1" High Will Fit in the Standard 7-5/8" Deep Frame)
Frame Width: BW + 7/8"
Frame Spreaders: 10 Gauge Formed Channel
Shafts: 1-1/2" Square Shafts
Return Rollers: 2-1/2" Diameter x 11/16" Hex
Wear Strips*: Available in Both Straight and Chevron Style Arrangements
Other: ACT System (Application Change Technology) see page 135

BELT SERIES	FRAME DEPT	THS (FRAME I	DEPTH = FLIG	iht ht. + 7-5,	/8" LESS 1")			
2200	Flight Height	1"	2"	3"	4"	The minimum cleat indent is 5/8" per side. Note: Sideguards are not available in the Series 2200 belt. This belt is available in a 2.2 turning radius only.		
	Frame Depth	7-5/8"	8-5/8"	9-5/8"	10-5/8"			
					Minimum Cleat Indent			
2400	Flight Height	1"	2"	3"	Minimum Cl	eat Indent	Minimum Sideguard Indent	

Model 2000-CF Belts for Curved and Flighted Applications – (curve and elevation change units)

Flush Grid Belts – The flush grid belt's open surface makes them ideal for use in applications where air flow and/or liquid drainage are required. With less surface contacting products, there is less friction so flush grid belts can also be used for slight accumulation and lateral movement applications. A flush grid belt is **not** recommended when the product is very small or has an uneven surface because these products may get caught in the flush grid belt's open areas.

INTRALOX BELT SERIES	PRIMARY APPLICATIONS	TYPICAL APPLICATIONS AND PRODUCTS
2400 Flush Grid	Used in light to medium duty curved or side flexing applications. This belt is available in both a 2.2 turning radius and 1.7 tight turning radius***. The small 1" pitch design facilitates tight conveyor-to-conveyor transfers especially for small delicate products.	This belt's low chordal action [*] and smooth operation is ideal for conveying all sorts of lightweight packaged products like candy or bakery and boxes filled with light products like napkins or toilet paper. It is also ideal for short stacks of paper and tubs filled with empty plastic containers.
2200 Flush Grid	Used in medium to heavy duty curved or side flexing applications. This strong 1.5" pitch belt is exceptionally durable and robust and is ideal for conveying heavy products . Available in 2.2 turning radius*** only.	Used to convey all sorts of boxes filled with heavier products like filled cans, plastic containers, bottles and jars. This belt can also be used to carry larger/taller stacks of paper, cardboard or containerboard and filled pallets.

Belt Specifications (*) (**) See Definition Page on page 136

INTRALOX BELT SERIES	PRICE COMPARED TO All M2000 Belts**	PRICES COMPARED TO Belts in this table**	BELT Material	BELT Pitch	TURNING Radius
2400 Flush Grid	\$\$	\$	PP*	1"*	1.7 & 2.2
2200 Flush Grid	\$\$	\$	PP*	1.5"*	2.2

*** The turning radius is the minimum radius required for the belt to make the turn. It is calculated by multiplying the belts rated turning radius by its width. For example, a 24" wide Series 2200 x 2.2 Turning Radius belt requires a minimum inside turning radius (measured from edge of conveyor) of 52.8 inches. (24 x 2.2 = 52.8 inches)

Common Belt Options:

Sideguards: Sideguards are used to prevent product from slipping off the belt while traveling through a curve or up an incline. Standard sideguards can also be used when products must be separated while being transported.

BELT	FLIGHTS	UNIVERSAL SIDEGUARDS	CLIP-ON SIDEGUARDS
Series 2400 Flush Grid	1", 2" & 3" high plastic-ribbed on both sides	1" & 3" high sideguards are available	.75" high . (Available with the series 2400 belt only) (Shown in bottom of photo)
	Humman		
Series 2200 Flush Grid	1", 2", 3" & 4" high plastic – smooth on both sides (4" flight shown)		
	E E E E E E	A 2.2 turning radius belt requires a 1.5" indent. The 1.7 turning radius belt requires a 3.0" indent.	The required indent for a clip on sideguard is .6" compared to 1.5" – 3" for a universal sideguard. This feature allows for more of the belt surface to be used for product conveyance.

MODEL 2000-F Flighted Plastic Belt Conveyors



the products and transport them upwards while the sideguards contain them within the flights and the conveyor sides.



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 2000-F Specifications

Frame: 10 Gauge x 7-5/8" Deep (Flights up to 1" high wll fit in the standard 7-5/8" deep frame)

Frame Width: BW + 7/8"

Frame Spreaders: 10 Gauge Formed Channel

Shafts: 1-1/2" Square Shafts

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- Return Rollers: 2-1/2" Diameter x 11/16" Hex Wear Strips*: Available in Both Straight and Chevron Style Arrangements
- **Other:** ACT System (Application Change Technology) see page 135

Model 2000-F Standard Flighted Plastic Belts

Flat Top Belts – This belt's smooth, flat and totally closed surface is ideal for conveying small products that may get caught in the open surface of a flush grid. They are also used in applications where product tipping or falling may cause a problem.

Flush Grid Belts – The flush grid belt's open surface makes them ideal for use in applications where air flow and / or liquid drainage are required. Flush grid belts are lighter than flat top belts, which makes them more suitable for long, wide conveyor runs. With less surface contacting products, friction is reduced so flush grid belts can also be used for slight accumulation and lateral movement applications. A flush grid belt is **not** recommended when the product is very small or has an uneven surface because these products may get caught in the flush grid belt's open areas. They are also 3-5% cheaper than flat tops.

INTRALOX BELT SERIES	BELT APPLICATIONS	OPTIONS
900 Flat Top 900 Flush Grid	The series 900 belt is ideal for low impact applications and for transporting small lightweight products like plastic bottles and bottle caps and small screws, nuts, bolts or washers. This lightweight 1" pitch belt facilitates tight transfers and produces low chordal action* for smoother operation at higher conveyor speeds.	Flights – Available in 1, 2, 3" high flights (1" & 3" flights shown) Sideguards*** Available in 2" high sideguards only
400 Flat Top 400 Flat Top 400 Flush Grid	The series 400 is ideal for high impact applications and for transporting heavier products like scrap metal, slugs or filled cans or plastic bottles. This thick 2" pitch belt has superior pull strength and added beam strength, making it ideal for exceptionally long and wide	Flights – Available in 1, 2, 3, 4, 6" high flights (1", 2" & 3" flights shown) Sideguards****
		Available in 2, 3, 4" high sideguards

Belt Specifications (*) (**) (***) See Definition Page on page 136

INTRALOX BELT SERIES	PRICE COMPARED TO M2000 BELTS**	PRICES COMPARED TO BELTS IN THIS TABLE** (900 vs. 400)	BELT Material*	BELT Pitch*	BELT THICKNESS
900 Cleated Flat Top 900 Cleated Flush Grid	\$	\$	PP	1.07"	.385"
400 Cleated Flat Top 400 Cleated Flush Grid	\$	\$\$	PP	2.00"	.625"

*** The smaller the product the larger the sprocket should be used. When going around the 6, 9, and 10 tooth sprockets, the sideguards will fan out, opening a gap at the top of the sideguard which might allow small products to fall out. The sideguards stay completely closed when wrapping around the 12 tooth and larger sprockets.
****The smaller the product the larger sprocket should be used. When going around the 6 and 8 tooth sprockets, the sideguards will fan out, opening a gap at the top of the sideguard, which might allow small products to fall out. The sideguards stay completely closed when wrapping around the 10, 12, and 16 tooth sprockets.

MODEL 2000-N Nose Over Conveyors — Designed to Carry Products From Floor to Floor

The Model 2000-N (N = Nose Over) is designed to carry boxes (packaged items) up inclines or down declines. These units use a belt with a friction top surface rather than a cleat to move products. The Nose Over provides a smooth transition from the incline to the horizontal. Units should not exceed 30-degree inclines.

Optional power feeder not shown.



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Model 2000-N Specifications

Frame: 10 Gauge x 7-5/8" Deep Frame Width: BW + 7/8" Frame Spreaders: 10 Gauge Formed Channel Shafts: 1-1/2" Square Shafts Return Rollers: 2-1/2" Diameter x 11/16" Hex
 Wear Strips: Available in Both Straight and Chevron Style Arrangements
 Other: ACT System (Application Change Technology) see page 135

Model 2000-N Standard Belts Used fo

Standard Belts Used for Floor to Floor Applications

Rubber modules are molded to the surface of the base belt providing a high friction surface for incline and decline applications. **Flat Friction Top** – The flat friction top is used for standard incline/decline applications.

Square Friction Top – The square friction top pattern provides improved product grip for use with larger and heavier products and in steeper incline/decline applications. This option does not clog up with product debris as easily as the flat friction top. **These friction top belts are a longer lasting alternative to traditional** rubber or PVC style rough top slider bed belts.

IN BEI	ITRALOX LT SERIES	PRIMARY APPLICATIONS	TYPICAL PRODUCTS
900 Flat Friction Top		Used in light to medium duty incline / decline applications. This belt's low chordal action* and smooth, flat surface makes it the ideal belt to carry boxes filled with amal and delicate and use	The series 900 belt is made to convey light to medium weight cases, boxes, totes and all sorts of lightweight packaged products.
Designed for use in standard incline / decline applications		and in applications where product tipping or falling may cause a problem	
Designed for use with larger and heavier products and for steeper incline/decline applications.			
1400 Flat Friction Top		Used in medium to heavy duty and high impact incline/decline applications. Extremely durable and robust design provides excellent belt	The series 1400 belt is the ideal choice for heavier cases, boxes, totes, small pallets and all sorts of packaged products.
Designed for use in standard incline / decline applications.		and sprocket durability and longer belt life. This thick 1" pitch belt has	
1400 Square Friction Top		superior pull strength and added beam strength making it a better choice for exceptionally long and wide conveyor runs.	
Designed for use with larger and heavier products and for steeper incline / decline applications			

Belt Specifications (*) (**) See Definition Page on page 136

INTRALOX BELT SERIES	PRICE COMPARED TO ALL MODEL 2000 BELTS**	PRICES COMPARED TO BELTS IN THIS TABLE (900 vs. 1400)**	BELT MATERIAL	BELT Pitch	BELT THICKNESS
900 Friction & Square Top	\$	\$	PP*	1.07"*	.570"
1400 Friction & Square Top	\$\$	\$\$\$	PP*	1"*	.700"

Model 2000-N Standard Belts Used for Floor to Floor Applications

Rubber modules are molded to the surface of the base belt providing a high friction surface for incline and decline applications. **Flat Friction Top** – The flat friction top is used for standard incline/decline applications.

Square Friction Top – The square friction top pattern provides improved product grip for use with larger and heavier products and in steeper incline/decline applications. This option does not clog up with product debris as easily as the flat friction top. These friction top belts are a longer lasting alternative to traditional rubber or PVC style rough top slider bed belts.

900 Flat Friction Top Designed for use in standard incline / decline applications 900 Square Friction Top	Used in light to medium duty incline / decline applications. This belt's low chordal action* and smooth, flat surface makes it the ideal belt to carry boxes filled with small and delicate products and in applications where product tipping or falling may cause a problem.	The series 900 belt is made to convey light to medium weight cases, boxes, totes and all sorts of lightweight packaged products.
Designed for use with larger and heavier products and for steeper incline/decline applications.		
1400 Flat Friction Top Designed for use in standard incline / decline annlications	Used in medium to heavy duty and high impact incline/decline applications. Extremely durable and robust design provides excellent belt and sprocket durability and longer belt life. This thick 1" pitch belt has	The series 1400 belt is the ideal choice for heavier cases, boxes, totes, small pallets and all sorts of packaged products.
1400 Square Friction Top	superior pull strength and added beam strength making it a better choice for exceptionally long and wide conveyor runs.	
Designed for use with larger and heavier products and for steeper incline / decline applications		

Belt Specifications (*) (**) See Definition Page on page 136

INTRALOX	PRICE COMPARED TO	PRICES COMPARED TO BELTS IN	BELT	BELT	BELT	
900 Friction & Square Top	\$	\$	PP*	1.07"*	.570"	
1400 Friction & Square Top	\$\$	\$\$\$	PP*	1**	.700"	

(Please consult New London Engineering with these applications)

These 400 series belts are primarily used in applications where products are being transported on larger production lines in various manufacturing operations, bottling plants, warehousing & distribution facilities and parcel freight facilities.

INTRALOX BELT SERIES	PRIMARY APPLICATIONS	TYPICAL APPLICATIONS AND PRODUCTS			
400 Angled Roller Top	The rollers on this belt protrude beyond both the top and bottom of the belt and are skewed/angled at 30 degrees from the direction of belt travel. As the belt moves across the conveyor's surface, friction from this surface drives the rollers causing them to spin and then steer the product in the direction of the rollers. (See the 400 Angled Roller Applications on the next page.)	Accurately aligns boxes, cases, packages and luggage so they can be scanned, inspected, bar coded, labeled, off-loaded, or loaded with product.			
400 Ball Bent	This belt is used for high-speed 90-degree transfers . These balls protrude beyond both the top and bottom of the bottom of the belt. Product movement is controlled by driving the balls with a perpendicular secondary conveyor placed underneath the carry way of the main belt. Since the secondary conveyor controls the speed and movement of the product from below the main conveyor, there is no need to worry about the diverting mechanism's recycle time. Since this system has no diverter recovery time, it's the ideal choice for high-speed transfers. (See Transfers (Sortation) below.)	This belt is used for high-speed 90-degree transfers .			
400 Transverse Roller Top	This belt is used to transfer very heavy products with surfaces that typically don't slide very well 90 degrees. The rollers on this belt protrude beyond the top surface of the belt only, and are positioned opposite the belt's direction of travel. Products are then transferred on these rollers. This low friction configuration provides the mechanism to transfer heavy products. (Note roller direction.)	Ideal for the 90-degree transfers of heavy products like luggage, tires, filled cases or pallets. Also good for products like furniture or appliances and any product conveyed on slip-sheets.			
SERIES 4	00 ANGLED ROLLER APPLICATIONS (See illustrations of these applica	ntions on the next page)			
Case Turning	Cases are typically turned to apply or read a bar code or to align them to be loaded or u technology relies on the momentum of the case to execute a full turn. Interruptions in r rather than to completely turn, resulting in jams down stream. The series 400 roller belt the conveyor is stopped and restarted (interrupted) in the middle of a cycle.	inloaded. Existing roller conveyor nomentum often cause cases to skew ts ensure a complete case turn even if			
De-palletizing	The advantage of using the series 400 angled roller belt for de-palletizing is that the large an infinite variety of case sizes and types. Cases can also be loaded onto the belt in group line. Typical roller conveyor de-palletizers can descramble cases only one by one. In this a top belts are placed side by side with the rollers pointing toward the center of the conveyor centers cases into single fine line. The speed and consistency of this system is ideally suit	2" pitch rollers are capable of handling s to be descrambled and sent down the application, two series 400 angle roller or to create a singulation conveyor which ted for robotic loading applications.			
Merging	A traditional roller conveyor merge relies on momentum to orientate the case to its desired location at the merge. This momentum is often not strong enough to combat the friction from the accepting belt causing cases to misalign and jam, resulting in bar code misreads and lowered production due to package recirculation. With the series 400 angled roller belt, products are moved on the protruding rollers, virtually eliminating friction and insuring a proper merge every time. Another advantage of this system is it can accommodate several infeed lines from a variety of merge angles with various size packages all at once.				
Center Line Merges/ Singulation	Current roller conveyor technology often uses a "plow" type mechanism to center or align cases. Often cases come into contact with "plow" prior to reaching the throat of the take-away conveyor causing a line jam. In a center line merge, two series 400 angle roller top belts are placed side by side with the rollers pointing towards the center of the conveyor to create a singulation conveyor which centers cases into a single file line.				
Transfers (Sortation) (not shown)	This is a two-conveyor application. A secondary conveyor is placed underneath the carr conveyor. A photo eye signals the secondary conveyor to activate and transfer the prod various shapes and sizes of packages to multiple angles all at once.	y way of the original series 400 belt uct. This system accurately sorts			

Belt Specifications

INTRALOX BELT SERIES	PRICE Compared to All plastic Belts**	PRICE Compared to Belts in This table**	BELT MATERIAL	BELT PITCH	BELT THICKNESS	ROLLER Spacing Across width Of Belt	ROLLER SPACING DOWN LENGTH OF BELT	ROLLER DIAMETER	ROLLER LENGTH
400 Angled Roller	\$\$\$\$\$	\$\$\$\$\$	PP*	2"*	5/8"	2"	2"	.8"	.9"
400 Ball Bent	\$\$\$\$\$	\$\$\$\$\$	PP*	2"*	5/8"	2"	2"	1" Round	1" Round"
400 Transverse Roller	\$\$\$\$	\$\$	PP*	2"	5/8"	2"	2"	.7"	.8"

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TRANSFERS and Accurate Product Positioning Applications



The angled rollers direct the boxes to the edge of the conveyor. The boxes then turn as they hit the case turner.



This system properly merges and orients packages of a variety of sizes and shapes, accommodating several infeed lanes from a variety of merge angles. The spinning rollers direct the products to the conveyor edge.



The speed and consistency of this system is ideally suited for robotic loading applications.



The two side-by-side angled roller belts direct products to the belt's center.









PlastiTrak Model to Model Benefit Comparison

FE.	ATURE	COMMENTS & BENEFITS							MODEL 1000	MODEL 2000	
Frame	Gauge	A thicke	r wall, and d	eeper frame	can support greate	r live loads	and the stress	of	12 ga.	10 ga.	
Frame	Depth	the manufacturing environment. (There is a lesser probability of structural damage if a forklift were to hit a heavier, walled, deeper frame unit.)						6-11/16"	7-5/8"		
Frame	Spreaders	The Moo design p live load	del 2000 10 g provides the Is.	gauge sprea durability ne	ders and the increas eded for larger and	sed strength heavier pro	of a formed o ducts with gre	hannel ater	12 ga. angled	10 ga. formed	
Belts		The typical M1000 chains have become more of a commodity priced item and are commonly cheaper per square foot.					Limited to narrow widths	More belt width choices			
Frame	Widths	The M2000's additional 3/8" overall width doubles the amount of internal clearance on the belt return. More clearance means fewer jam ups resulting in a smoother running, more productive machine.					BW + 1/2"	BW + 7/8"			
Shafts		A larger	shaft provid	es increased	strength and great	er torque ca	pacity. Shaft		1-3/16"	1-1/2"	
		deflectio	n from smal n in "iumpinc	ler shafts m " and iam u	ay prevent sprocket	s from enga s stronger t	aging properly	nal	round	square	
		round s	hafts and allo	ws for the h	higher horsepower r	needed for h	leavier loads.	iiui			
Return	Rollers	A larger	roller reduce	s roller resi	stance and roller sp	eed resultin	g in a smooth	er	2"	2-1/2"	
		running	and longer la	asting conve	eyor and conveyor p	arts. Larger	return rollers	also			
Woor S	trine	Custom	r increased c	onveyor spe	eus. I materials will redu	ca tha clidir	na friction bot	voon tha l	helt and	See Chart	
weare	lips	frame in	creasing the	useful life o	f the wear strip and	belt.				Below	
ACT Sy	rstem	The Mo	del 2000 incl	udes New Lo	ondon's exclusive A	CT System	(Application C	nange Teo	chnology).	See Photo	
		This sys	tem provides	s the end us	er with the flexibility	/ to exchang	ge the existing	belt with	another	Below	
		the pote	ntial to save	the end use	r thousands of dolla	ars in future	convevor pur	chases.	ire nas		
				ERAME	ERAME		RETURN		WEAR STRI	PS	
MODEL	DEPTH	FHAME FRAME RETURN WEAR STRIPS BELT WIDTHS WIDTHS SPREADER SHAFTS ROLLERS (SEE PHOTOS BELOW)					ELOW)				
1000	12 gauge	Narrow (Typica	widths llv 12" and less)	BW + 1/2"	12 gauge formed angle (one bend)	1-3/16" round shafts	2" x 7/16" hex	Longitudin	al Clip on UHMW	l only	
	6-11/16" deep	(1) proc			(0.00 20.02)						
2000	10 gauge	Wider V (Widths	widths s range from	BW + 7/8"	10 gauge formed channel (two bends)	1-1/2" square	2-1/2" x 11/16" hex	Longitudin	idinal Clip on UHMW Or		
	7-5/8" deep	12" up	to 100+")		. ,	shafts		Chevron S	tyle Clip on UHM Or	W	
								Valu Guide	Wear Strip Optio	ons	





Key features of photo on the left include:

- Square Drive Shaft
- Formed Channel Frame Spreaders
- Longitudinal
 Style Wear Strips

Wear Strips



Chevron style wear strips are shown on the photo to the left. (The UHMW has been removed for illustration purposes.)

Our plastic belt line includes two model classifications:

MODEL	PRODUCT CLASS	COMMENTS
1) Model 1000	Narrow widths, lighter weight products	These units are typically used to convey lighter products like bottles and cans. Since the live loads for these applications are typically lighter, lighter construction features including a 12-gauge frame are standard for this unit. This conveyor is common in bottling operations, dairies and pharmaceutical plants. The Model 1000 chains are also ideal for multiple strand applications.
2) Model 2000	Wider widths, heavier and larger products	These units are typically used to convey larger items like boxes and cases as well as heavier products like stacks of lumber or loaded pallets. This unit's durable construction and design includes a 10-gauge frame capable of handling heavier and larger products.
	ACT System	The Model 2000 includes New London's exclusive ACT System (Application Change Technology). This system provides the end user with the flexibility to exchange the existing belt with another if the application or product changes in the future. The safety and flexibility of this feature has the potential to save the end user thousands of dollars in future conveyor purchases. (See photo below)

PlastiTrak - Model 1000 and Model 2000 Comparison Chart

MODEL	FRAME Gauge/ Depth	BELT WIDTHS	FRAME WIDTHS	FRAME Spreader	SHAFTS	TYPICAL Products	RETURN ROLLERS	COMMON Industry Definitions
1000	12 gauge	Narrow widths	BW + 1/2"	12 gauge formed angle	1-3/16" round shafts	Cans & bottles	2" x 7/16"	Table top
	6-11/16" deep	(Typically 12 and less)		(one benu)		(Bolling plants)	TIEX	Chains
2000	10 gauge	Wider widths	BW + 7/8"	10 gauge formed	1-1/2"	Cases, boxes and	2-1/2" x	Mat top
	7-5/8" deep	12" up to 100+")			shafts	Manufacturing Operations)	TI/TO HEX	Belts

To further identify a PlastiTrak conveyor, we have introduced a letter identification system. A letter identification will follow the model number to add definition to the application and to simplify future and current reference activities. These letters will also aid our engineering and manufacturing departments during the construction and design phases. For example, a model number such as 1000-C simply means this tabletop chain application has a left or right hand curve. Following is a chart with definitions to the letter identifications:

PlastiTrak Letter Identification Definitions

LETTER	QUICK Definition	DETAILED DEFINITION	MODELS
С	Curved Conveyors	The letter "C" means the application has right hand or left hand curves.	1000-C 2000-C
F	Flighted Conveyors	These units use flighted (cleated) belts to carry products up an incline.	
CF	Curved and Flighted Applications	The letters "CF" means the application has either right hand or left hand curves as well as a flighted (cleated) belt. These units always include at least one upper or lower curve. (I.E. – the curve at the horizontal to incline transition)	2000-CF*
N	Nose Over Conveyors	These units use belts with a friction top surface to carry boxes and packages up an incline. These units include a nose over (N) feature at the discharge end designed to provide the boxes with a smooth transition as they move from the incline to a horizontal position.	1000-N 2000-N
S	Straight Conveyors	The letter "S" means the application is straight running. Any straight running conveyor will include the "S" letter identifier.	1000-S 2000-S

*The typical Model 1000 applications do not include products that require a flighted (cleated) belt thus it would be highly uncommon to have a Model 1000-F or 1000-CF.



New London's exclusive ACT System (Application Change Technology) provides the end user with the safety and flexibility to exchange the existing belt if the application or product changes. The system is designed to provide the room and clearance for various sprocket and belt styles. All you have to do is loosen the bolts on the shafts "floating" assembly mechanism and then align the arrows to the designated belt number.

Chordal Action

As a belt engages in the driving sprockets, a pulsation-like motion will occur. This pulsation is due to the chordal action, which is the rise and fall of the belt as it rotates **around** and **in** the teeth of a sprocket. It is a characteristic of all sprocket-driven belts. The amount of pulsation is inversely proportional to the amount of space between the belt and teeth of the sprockets. The smaller the space, the less pulsation there is. Thus the smaller the pitch, the less space there is between the pitches so there is less chordal action. Chordal action can also be reduced by increasing the number of teeth on a sprocket. The more teeth the less space there is for the belt to move around and in a sprocket. For example, a belt driven by a six-tooth sprocket has a pulsating speed variation of 13.4%, while a belt driven by a 19-tooth sprocket has a pulsation speed variation of only 1.36%. In conclusion, if your application requires a smooth transfer or product tipping or breaking is a concern, choose the smallest pitch belt available combined with the sprocket with the most teeth.

Pitch

The pitch is the center-to-center distance between hinge rods in an assembled belt. A smaller pitch belt reduces the amount of chordal action. Smaller pitches also wrap the discharge sprockets more tightly reducing the gap at the discharge transfer points. For these two reasons, smaller pitch belts are recommended for applications with small and delicate products where product transfers and product tipping are a concern. Because smaller pitch belts have less chordal action they run smoother so they are also recommended for high-speed applications.

**Price Relativity Overall

The \$ (dollar sign) system is designed to help you compare the cost of a square foot of belt from one application to a square foot of belt in another application. Belts are divided into 6 different groups with one dollar sign being the least expensive and six dollar signs being the most expensive.

\$ - The least expensive belt.\$\$\$\$\$ - The most expensive belt.

Price Relativity Within This Table - this column compares the belts listed on that page's table to one another.

CHARACTERISTIC	POLYPROPYLENE – PP	POLYETHYLENE – PE	ACETAL – A
Accumulation	Good accumulation properties	Not recommended for accumulation applications	Excellent accumulation and side-to-side transfer properties
Price	Less costly than the other two	Moderately priced versus the others	Costly compared to the others
Release	Good release characteristics	Excellent release characteristics	Excellent release characteristics
Strength	Good balance between moderate strength and lightweight material	Overall not as strong and lacks the pull strength of the polypropylene and acetal	Considerably stronger than polypropylene or polyethylene.
			Acetal is very hard making it relatively cut and scratch resistant.
Temperature	+ 45 degrees to + 220 degrees F	- 100 degrees to + 150 degrees F	-50 degrees to + 200 degrees F
	Excellent in high temp applications	A good alternative to the costly acetal in low temperature applications.	Good impact strength even at low temperatures
Disadvantages	Becomes very brittle and weak below 45 degrees	Scratches and gouges easily	Considerably heavier than the others which causes more belt wear and limits its use in
		The rods tend to wear out quickly when exposed to abrasive particles.	longer run applications.

Polypropylene – Polyethylene – Acetal



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Plasti-Trak Low Maintenance Plastic Belt Conveyors from New London Engineering

	BENEFIT	PLASTI-TRAK PLASTIC BELT SOLUTIONS
1.	Reduced maintenance and maintenance related costs.	 Since Plasti-Trak belts are positively driven with sprockets rather than pulleys, belt tracking and belt tensioning tasks are eliminated. More importantly, costly ongoing roller replacement costs and time costs to repair dead zones* in roller conveyors are virtually eliminated.
		 Plastic belts require reduced maintenance – Just plug it in and let it spin!
2.	More satisfied customers because more promised delivery dates are met	 Unscheduled shutdowns are a primary reason promised delivery dates are not met. With Plasti-Trak, unscheduled shutdowns are virtually eliminated: Belts are positively driven with sprockets rather than pulleys so they will not walk, slip or mis-
		track and jam the production line.
		2. The system will not have to be shut down to repair unexpected dead zones*.
		 Improved product orientation provides more consistent product spacing resulting in fewer line jams eliminating line jam related shutdowns.
3.	Improved production line flexibility (No Roller Spacing Issues)	On a traditional roller conveyor, product sizes are limited by the spacing of the rollers. If the product size changes, the line is shut down to re-space or re-place the rollers. These costly line changes are totally eliminated with Plasti-Trak because a Plasti-Trak belt is one smooth surface capable of handling various sizes and types of products on the same line.
4.	Increased productivity	 A Plasti-Trak belt acts as one continuous piece and not a series of individual rollers so there are no dead zones*. Dead zones* can lead to slugs*. Slugs can lead to jams, photo eye mis-reads, and inaccurate case counts which all lower productivity.
		 Since system jams are reduced, plant productivity increases because cases do not have to re- circulate through the system.
		- Since jams are virtually eliminated the labor cost to manually un-jam the system is also eliminated.
5.	Reduced product loss and product damage	 Unlike rollers and rubber belts, glue and tapes from boxes typically do not stick to plastic belts so product loss due to adhesion issues are reduced or eliminated.
		 Since slugs* and dead zones* have been eliminated, product damage from cases bumping into one another are also eliminated.
6.	Replacement part costs are reduced	 Since the belts are modular, only the damaged module needs to be replaced rather than the entire belt.
		 Since you are replacing only a small module, belts do not have to be re-tracked so the time to replace and to re-track an entire new belt is saved.
		 Since belts can't "walk" and cause trim edge damage they last longer. A plastic belt will typically last 3 times longer than a traditional rubber belt in the same application.
7.	Reduced insurance claims and Lost Time Accidents	 Safety is improved because employees will have a smooth, flat platform to walk on versus the unsafe, moving and rolling surface of a roller conveyor.
8.	ACT System Technology	 The Model 2000 includes New London's exclusive ACT System (Application Change Technology). This system provides the end user with the flexibility to exchange the existing belt with another if the application or product changes in the future. The safety and flexibility of this feature has the potential to save the end user thousands of dollars in future conveyor purchases. (See page 135)
9.	Quiet, more worker friendly environment	 As roller bearings wear they have a tendency to make a "humming" or "whistling" noise that can be irritating. This noise is eliminated with Plasti-Trak.
10.	Opportunity	 With your skilled maintenance department spending less time maintaining your system, their time can be dedicated to other productivity opportunities.

How Much Can You Save With a Plasti-Trak Conveyor?

Choosing a conveyor system based on a lower initial price can prove costly over the life of the system. The initial price for a powered roller or gravity roller system might be lower than Plasti-Trak but expenses add up quickly taking into account maintenance, loss of production and product damage. Research completed by a leading plastic belt manufacturer concluded the annual expenses to operate a roller conveyor system can be as high as \$50/foot of conveyor.

*Dead zones – dead zones occur when rollers stop turning typically due bearing failures.

*Slugs – slugs are large groups of cases lumped together rather than being evenly spaced along the line.

What is a "Pitch"?

Hinged steel belts are commonly categorized by their pitch size. As illustrated below, the pitch is the distance between the two center points of the apron's loops. So a $1-1/2^{"}$ pitch machine's aprons are $1-1/2^{"}$ center-to-center from their loops. Correspondingly then, a 6" pitch machine's aprons are 6" center-to-center from their loops.

Larger pitch machines are capable of carrying heavier and larger scrap than their smaller counter-parts. Smaller pitch units are made to carry smaller scrap that may get caught in the gaps of a larger unit. Smaller pitch units are also less expensive than larger pitch units.

Pitch Illustration



Comparison Chart

PITCH	MODEL #	APRON GAUGE	ROLLERS	SIDEWINGS
6"	760	1/4"	3" diameter	1/4" x 4" high
4"	751	10 ga.	1-3/4" diameter	10 ga. x 3" high
2-1/2"	720 thru 727	12 ga.	1-1/2" diameter	12 ga. x 1-1/2" high
1-1/2"	715	14 ga.	7/8" diameter	12 ga. x 3/4" high

Please see page 141 for a more detailed belt drawings.



Conventional Belts

The conventional belt's aprons are recessed below the hinge loops of the belt. This design results in a raised surface at the point where the belt loops are mated and allows a taller cleat. This radial surface also acts as a short cleat that helps carry product up inclines. Conventional belts are used for most applications.

Flat Top Belts

A flat top belts hinged loops are mated together on the underside of the belt resulting in a smooth or flat belt surface. Flat top belts are used primarily for two applications:

- 1. Heavy impact applications Since the belts loops are hidden under the belt, they can't be damaged with impact.
- 2. Small products like fastener or screws The raised surface of a conventional belt causes a natural pinch point between the loops at the inclining curve. As a conventional belt travels through the inclining curve, the distance between the leading loop and the following loop is reduced causing a natural pinch point. If product does pinch between these two points they may damage or they may release from the pressure resulting in a potential safety hazard. Since a flat top belt does not have belt loops on its surface, this pinch point is eliminated.



Hinged Steel Belt Siderail Options



TruTrak Steel Belt Options

Option Description	Application
ROLLERS	
1. TruTrak Flanged Rollers	TruTrak flanged rollers eliminate the side to side movement of the belt within the belt track. Because the belt can't sway off its track, it can't rub against the conveyor's frame virtually eliminating potential wear to the conveyor's frame, and the belt's axles, sidewings and cotter pins. Since TruTrak can't sway off its track, it is recommended for use in long run, heavy load applications. TruTrak's features also made it the perfect choice in applications where prevention of downtime is a priority.
2. Conventional Steel Rollers	These economical rollers are the industry standard. Conventional steel rollers are used in most applications.
BELT TOPS	
3. Conventional Belt Top	Standard design – Conventional belt hinge loops are mated together on the top of the belt. This design results in a raised surface at the point where the belt loops are mated.
4. Flat Top Belt	Flat top belt hinge loops are mated together on the under side of the belt resulting in a smooth or flat belt surface. Because this surface eliminates the pinch point between the hinge loop and the cleats its ideal to convey small objects such as fasteners or screws.
BELT TYPES	
5. Plain Belts	Plain belts are used for moving almost everything in non-liquid applications.
6. Pimpled Belts	A pimpled surface adds texture to help scrap resist adhesion to the belt. Pimpled belts are used primarily in oily applications.
7. Perforated Belts	A 5/32" hole is punched into the belt so liquids can flow through the belt and drain back to an accumulation tank.
8. Pimpled/Perforated	Pimpled and perforated belts are used when both adhesion of parts and liquid recovery are both a factor. (Not Shown)
SIDE WINGS	
9. Radial Side Wings	Radial side wings eliminate the gap between the wings. Radial wings are used when jamming of small parts may be a problem.
10. Conventional Side Wings	Conventional side wings help contain the product on the belt and help prevent side jams.
SIDEBARS	
11. Outside Sidebars	Sidebars are used when more belt pull is necessary. The related chain pull all most doubles to 3,000# when sidebars are attached. Sidebars are standard for conveyors wider than 24" and longer than 20'.



REPLACEMENT Belt Parts

Model #720, Model 721, Model #723, Model #724, Model #725, Model #726 and Model #727



Model #750 and Model #751 Replacement Belt Parts


Hinged Steel Belt Options

(See Illustrations on Pages 144-145)

Item #	Option Description	Application
Drive I	_ocations	
1	Top Mount R or L Side	Top mounted Right and Left sides are the standard drive locations.
2	Side Mount R or L Side	Side mounts are used when overhead clearance is limited.
Belt O	otions	
3	Conventional Top Belts	Standard design — Conventional belt hinge loops are mated together on the top of the belt. This design results in a raised surface at the point where the belt loops are mated. Conventional tops are used in most applications.
4	Flat Top Belts	Flat top belt hinge loops are mated together on the under side of the belt resulting in a smooth or flat belt surface. This flat surface eliminates the pinch point between the hinge loop and the cleats. Flat top belting is often used to convey small objects such as fasteners or screws and in impact applications.
5	Plain Belts	Used for moving almost everything in non-liquid situations.
6	Pimpled Belts	A pimpled surface adds texture to help scrap resist adhesion to the belt. Used primarily in oily applications.
7	Perforated Belts	A 5/32" hole is perforated into the belt so liquids can flow through the belt and drain back to the accumulation tank. Drainage is 20 GPM/sq. ft. of belt of a watery-based liquid.
8	Outside Sidebars	Sidebars are used when more chain pull is necessary. The rated chain pull almost doubles to 3,000# when sidebars are attached. Sidebars are standard for conveyors wider than 24" and longer than 20'.
9	Conventional Sidewings	Sidewings help contain the product on the belt and help prevent side jams.
10	Radial Sidewings	Radial sidewings are used instead of the standard conventional sidewings when jamming of smaller parts may be a problem. Jamming usually occurs in the gap between the wings as the belt is going through a curve. Our exclusive interlocking design virtually eliminates this gap.
11	Keystock over Sidewings	Keystock is a piece of steel welded to the top of the frame. It helps to prevent small or thin scrap from jamming between the top of the sidewings and the frame top.
12	Impact Bars-Bottom Mounted	Impact bars are $3/16 \times 9/16 \times 1-1/2$ " channel welded to the bottom of the belt. Used with heavy loads drops to prevent the belt from buckling and related damage. (Available space permits use in flat top only.)
12	Impact Bars-Top Mounted	Impact bars are $3/16 \times 9/16 \times 1-1/2$ " channel welded to the top of the belt. Used with heavy loads and drops to prevent the belt from buckling and to protect the top of the belt.
12	Heat Dissipating Bars	Dissipating bars are channel $3/16 \times 9/16 \times 1-1/2$ " bars welded to the top of the belt. These bars help absorb heat and help prevent heat damage to the belt. Recommended when part temperatures are beyond 300° F.
13	Impact Rails	Impact rails are pieces of channel cut the same length as the infeed. They are welded to the frame slightly below the bottom of the belt. Their purpose is to increase belt life by providing additional support to prevent the belt from buckling downward when products are dropped on it.
Not Shown	Sidewing Belt Guides	Belt guides are pieces of steel welded along the frame that act as an additional belt tracking surface. They prolong belt life because the belt runs straighter and smoother. They are typically used when straight sections exceed 20' in total length.
15	Recessed Cleats	Recessed cleats are cut 1" to 2" narrower than the belt width. This gap helps prevent jamming because parts will fall back rather than be pushed to the edge of the cleat where jamming can occur.
15	Cut Back Cleats	Cut back cleats are the same as recessed cleats except that the cuts are at 45 degrees from top to bottom. This angle cut provides a bigger gap between the cleat and the sidewing than a recessed straight cut. This gap helps prevent jamming because parts will fall back rather than be pushed to the edge of the cleat where jamming can occur.
16	Wiper Cleats	These are UHMW plastic cleat extensions bolted to the metal cleat. They are used to clean carryover debris that may accumulate on the bottom pan.
17	Center Lane Dividers	Center lane dividers provide separation between products on the belt when multiple products are conveyed.
Frame	Options	
18	Bolt-On Bottom Pan	Bottom pans are bolted to the frame bottom. This design is a safety feature because it closes off access to the return belt. This option is typically used when the conveyor is in an open environment.
19	Top Cover	A top cover is a piece of sheet metal that is bolted to the top of the siderails. Top covers enclose the unit to help contain product that may tumble or bounce off the belt.
20	Chip Suppressor	A chip suppressor is a tube-like unit that is mounted on the front portion of the top cover. Suppressors help prevent spillovers of bulky and stringy material by directing it back under the top cover and back onto the belt.

(See Illustrations on Pages 144-145)

Item #	Option Description	Application
21	Liquid-Tight Bottom Pan	A liquid-tight bottom pan is a piece of sheet metal that is formed to the frame bottom. Their purpose is to contain fluids within the conveyor so they can be drained into an accumulation tank.
Not Shown	Marine Bearings	Marine bearings are a bronze bushing pressed into the infeed sprockets. Used in liquid-tight applications.
23	Drain Holes	Drain holes provide a means for liquids to flow through the conveyor's bottom pan and into an accumulation tank. (These holes are not plugged.)
24	Fixed Brush at Discharge	Brushes help knock scrap off the apron at discharge to prevent carryover onto the bottom pan.
25	Rounded Infeed	With a rounded infeed, any carryover product rolls off the rounded edge and onto the wiper cleat. Used when total recovery of carryovers is necessary.
26	Access Panels	These are openings cut into the frame's side. They are used for easy access to clean or lubricate the conveyor.
27	Lifting Lugs	Lifting lugs are welded to the conveyor frame. They are used to move the conveyor and/or to aid in installations or removal.
28	Drain Plug	Drain plugs are used to connect a hose to the conveyor to drain or recycle liquids.
29	Take-Up at Infeed	The take-up assembly is designed to take up belt slack due to stretching. A take-up at the infeed is an additional take-up to the one at the discharge. Because longer belts have more stretch slack, this take-up is recommended for units more than 20 feet long.
30	2", 3-1/2", 6" & 12" Flared Rails	Flared siderails are used to contain product and to widen the loading area. The flares also direct the product back to the center of the belt to help prevent jams. 30° and 40° flares are available.
30	Vertical Rails	Vertical siderails are used to contain product. Available in 2", 3-1/2", 6" & 12"
Support	ts	
31	Supports	New London Engineering will calculate your support needs per application.
32	Knee Braces	Knee braces connect the supports to the frame. They add rigidity and structure to the conveyor. Knee braces are recommended for all units over 36" in elevation and with casters. New London Engineering will calculate your knee brace needs per application.
33 Casters	Spreaders	Spreaders help the supports to maintain their intended width or spread.
34	3-1/2", 4" & 6"	Bigid, Bigid with Brake, Swivel, Swivel with Brake
35	Outboard Mounted Casters	These casters are mounted to the side of the conveyor rather than the bottom. This format raises the conveyor only 2" off the floor. Used when the infeed clearance is limited.
36	Floor Locks	Floor locks are mounted to the caster brackets. They are used to secure the unit in place during use.
Other O	ptions	
37	Flappers	Flappers help direct products that are dropped on the conveyor away from the infeed and onto the belt.
38	Automatic Chain Oilers	This is a gravity flow lubrication system that is typically mounted at the discharge end. The system is designed to lube the chain and the tracks. Usually used in applications where the product being conveyed is dry and free of liquids.
39	Manual Tube	This is an enclosed tube designed to store your owner's manual safely and conveniently.
	Discharge Chute	Discharge chutes direct the product into the desired location. They are available in either fixed or pivoting positions and in manual or powered configurations.
	Customized Infeed Hopper	Hoppers direct loose material onto the belt. Hoppers are custom made based on each application.
	Quench Tanks	A quench tank is a liquid-tight welded tank usually mounted at the infeed. They are used to submerge parts for cooling or cleaning purposes.
	Special Paint	New London Engineering will match any quick-dry enamel paint chip. For us to match colors exactly, a paint chip must be supplied.
40	Conventional Rollers	These economical rollers are the industry standard.
41	TruTrak Flanged Rollers	TruTrak flanged rollers prevent the belt from rubbing on the frame which virtually eliminates potential wear to the frame, and the belts, axles, sidewings and cotter pins.

Hinged Steel Belt Options

(See Definitions on Pages 142-143)



Hinged Steel Belt Options

(See Definitions on Pages 142-143)



TruTrak rollers are recommended for use in long run, heavy load applications and where prevention of downtime is priority.

Hinged Steel Belt Summary



Model 715

Application Summary

- Very low profile
- Very small and lightweight applications

Model 725

Application Summary

- Low profile
- Tight fit lightweight applications

Model 722 & Model 726

Application Summary

- Tight fit applications
- Small scrap conveyor (scrap less than 1/4" x 1/4" conveyor)

Model 721 & Model 724

Application Summary

- The industry's most economical and dependable scrap conveyor

Model 751

Application Summary

– Heavier scrap with high volumes

Model 760

Application Summary

– Heavy scrap and high volumes

Model 727

Application Summary

- Cold header conveyor
- Designed to fit into an existing machine

Additional Hinged Steel Belt Options (not shown)

Area	ID #	Option	Benefits
	40	Welded Loops (A heavy tack weld is put back of each loop)	Welded loops require less maintenance because belts stretch less so they don't have to be taken up as often.
	41	Fully welded cleat fronts and stitch welded backs	Welded cleats last longer because thin product does not get caught between the cleat and the apron so there is less carry over and less jamming. (Recommended with thin and light products)
	43	Structural cleats (Used in high impact and heavy load applications. Structural cleats are stronger and will last longer because	721 Conventional belt 3/16" x 7/8" x 13/8" 721 Flat top belt 3/16" x 1" x 1" 751 Conventional belt 1/4" x 2" x 3"
Belt	44	they do not bend with heavy loads or impact.) Impact Plates (Impact plates can be welded to either the top or the bottom of the apron.)	Impact plates increase belt life with heavy load and high impact applications because the plate absorbs the impact not the helt
	45	Special Cleat Heights	Cleat heights can be made special per application. Note: the frame depth will change accordingly.
	46	Hardened Axles, Sidewings & Sidebars (Recommended in heavy load, and 24/7 operations.)	Hardened axles last longer than standard axles. (Axles are induction hardened to 55-60 HRC at .080 eff. depth) Since the sidewings and sidebars will not stretch, the belt stretches less resulting in less maintenance and downtime. (Sidewings and sidebars are carbonitride hardened to 61 HRC file hard at .020 eff. depth) (Note – Quote 5-6 week lead time.)
Marine Bearing Upgrade	48	Upgraded spreader & shaft clevis (The marine bearing spreader & shaft clevises are upgraded to a thicker steel.)	The spreader is upgraded to structural steel and the shaft clevis is upgraded to 3/4" steel. Belts run smoother and last longer because this heavy-duty configuration prevents the infeed shaft from twisting and bending the frame and the bearings. Suggested with marine bearing applications > than 24" wide. (The marine bearings and the infeed shaft are mounted inside the frame via a piece of steel called a clevis.)
Infeed Bearing Support Upgrade	49	A 1/4" plate is welded to the outside frame for additional infeed bearing support.	A 1/4" plate is welded to the outside of the frame. The bearings are then mounted to this plate reducing stress and twisting on both the frame and the bearings resulting in longer lasting belts and bearings. Suggested when widths are greater than 24" and with heavy loads.
Belt Brush	50 51	(Knock Off Brushes) Standard duty knock off brush Heavy duty knock off brush	 (50) One Jenkins strip brush is mounted at the discharge. This one brush system helps to knock product off the belt preventing product carry over and jamming. (51) (2) Two Jenkins strip brushes are mounted together at the discharge to help knock product off the belt preventing product carry over and jamming.
Bottom Pan	52	Formed bolt on bottom pans	The bottom pan is formed and then bolted to the conveyor frame. (The standard bottom pan is flat not formed.) Formed steel adds rigidity to the conveyor and bottom pan. NOTE: formed bottom pans are standard with units 24" and wider.
Chain		Upgraded Chain and Chain Sprockets	See Engineering per application.
Drive	53	Heavy duty drive plates and motor base	The drive plates and the motor base are upgraded to 1/4" steel. This option prevents the drive from twisting resulting in a smooth running unit and increased drive component life. Recommended with heavy, long loads.
Frame	54	10 gauge frame 7 gauge frame	A heavier frame will help the unit survive the day-to-day tests of the more demanding environments. Recommended with high impact & heavy loads.
Motors	55	Motors are upgraded to Baldor Super "E"s. Reducers the std. unit.	are upgraded to Grove Gold. These units last longer and use less electricity than
Sprockets	56	Hardened belt sprockets (Note: Quote a 5-6 week lead time.)	A hardened sprocket last longer than an unhardened one. The sprocket teeth are hardened to 40/46 HRC. Recommended in heavy load, and 24/7 operations.
	57	Abrasion Resistant Steel Tracks	Abrasion resistant steel tracks are stronger and last longer resulting in increased belt and conveyor life. (Recommended in high impact and heavy load applications.)
Track	58	Gusseted Tracks on 6" centers (Note: Impact rails should also be used in impact applications.)	A gusseted track increases the belt life and reduces maintenance costs because the reinforced track stays flat and in position so the belt runs straight and smooth on the track. (Recommended in high impact and heavy load applications.)

ID #59

Bearing Upgrades - Dodge Grip Tight Bearings vs. Set Screw Locking

The Dodge Grip tight system uses a concentric adapter to lock the shaft to the bearing rather than setscrews. This increased holding power also reduces fretting and the resulting vibrations that can loosen and distort screw locking. Used when maintenance costs are a big issue. The Grip Tight bearing is ideal for high speed applications and applications with a wet or damp environment.

ID #60

Nexen Ball Detent Torque Limiters vs. Friction Type Torque Limiters

When an overload occurs with a ball detent system, the ball is released to roll freely between the plate and the hub. To reset them, you simply jog the conveyor until the ball re-engages into its detent. Since this resetting process is much easier and faster than a friction style torque limiter, you save both time and money.

A ball detent system sill also last longer than a friction system. A friction torque limiters facings will slowly wear and eventually wear themselves out. There are no wear issues with a ball detent system.

Note: Quote 5-6 week lead times when quoting ball detent style torque limiters.

SCRAP BOOK

The "Scrap Book" section is designed to be used as a reference when describing the kind of metal you will be conveying. Only common types of material are shown. Do not feel your application must fit into one of these categories.









Bushy Steel Scrap

This scrap may include some small particles, but will mostly consist of spirals of various lengths and cross sections generated by turning and boring.

Very Small Metal Particles/ Metallic Sludge

This material is typically extremely small chips and fines. It is often times mixed with a great amount of lubricant or coolant.

Stamping Scrap

The size of this scrap can range from smaller pieces generated from perforating operations, to larger heavy gauge pieces such as trimmings from lathing operations.

Fasteners

Assorted sizes of nuts, bolts, screws, washers, etc.

SCRAP BOOK

The "Scrap Book" section is designed to be used as a reference when describing the kind of metal you will be conveying. Only common types of material are shown. Do not feel your application must fit into one of these categories.









Large Steel Scrap

Larger and heavier pieces of scrap.

Small Steel Scrap

This is a wide category of various size materials one would describe as small rather than large.

Very Fine and Very Lightweight Shavings

These materials are typically very small and lightweight shavings.

Steel Chips

This category includes a wide variety of small pieces and larger shavings of metal pieces.



Unconditional Shipment Guarantee

New London Engineering guarantees that all UPTime Express™ orders placed by 2:00 p.m. Central Time will ship by our designated carrier on the date promised, or we pay the freight. CALL US! 1-800-437-1994







MODEL	721	72	2	200	21	0	220		500	ToughTrak
SHIPMENT	3-5 Days	3-5 Days		24 Hours	24 Hours		24 Hours	24	Hours	48 Hours
WIDTHS	6, 8, 12, 18, 24"	6, 8, 12, 18, 24"		4, 6, 8, 10, 12, 18, 24, 30"	8, 12, 18, 24, 30"		12, 18, 24, 30, *36" * 36" – 20' max.	4, 6 18,	5, 8, 12, 24"	4, 6, 8, 12, 18, 24"
LENGTHS	20' maximum Degree Curves 30, 45 & 60	20' maxim Degree Cui 30, 45 & 6	um rves O	5' - 40'	5' – 100'		5' – 100'	4' -	- 12'	2' – 10' End Drives Only
SPEEDS	Fixed 30, 45 & 60 FPM DC Variable - 1.5-30, 2.25-45 & 3-60 FPM	Fixed 30, 4 & 60 FPM DC Variabl 1.5-3.0, 2.3 45, 3-60 Fl	5 e - 25- PM	Fixed 30, 60, 90 & 120 FPM DC Variable - 1.5-30, 3-60, 4.5-90 & 6-120 FPM	Fixed 30, 90 & 120 DC Variab 1.5-30, 3- 4.5-90 & 6-120 FPM	60, FPM le - 60, 1	Fixed 30, 60, 90 & 120 FPM DC Variable - 1.5-30, 3-60, 4.5-90 & 6-120 FPM	Fixe & 9 DC 1.5 4.5 6-1	ed 30, 60 0 FPM Variable - -30, 3-60, -90 & 20 FPM	*150–1 Phase 1/6 HP @ 28, 57 *150–3 Phase 1/4 HP @ 29, 58 *150–90V 1/6 HP @ 30, 59
MOTORS	1 & 3 phase 1/2, 3/4 , 1 & 1-1/2 HP 90 V DC - 1/2 & 3/4 HP	1 & 3 phase 1/2, 3/4, 1 & 1-1/2 HP 90 V DC - 1/2 & 3/4 HP		1 & 3 phase 1/3, 1/2, 1* & 3/4 HP *1 HP in all but 30 FPM 90 V DC - 1/4, 1/2 & 3/4 HP	1 & 3 pha 1/3, 1/2, 1 3/4 HP *1 all but 30 90 V DC - 1/4, 1/2 & 3/4 HP	se * & <i>HP in</i> <i>FPM</i>	1 & 3 phase 1/3, 1/2, 1* & 3/4 HP *1 HP in <i>all but 30 FPM</i> 90 V DC - 1/4, 1/2 & 3/4 HP	1 & 1/3 3/4 all 90 1/4 3/4	3 phase , 1/2, 1* & HP *1 HP in but 30 FPM V DC - , 1/2 & HP	*250-1 & 3 Phase 1/3 HP @ 30, 60 *250-90V 1/4 @ 30,60 1/2 @ 30,60 *150 & 250 DC Variable - 1.5-30, 30-60 FPM
DRIVES	Top mount & side mount R or L side	Top mount & side mount R or L side		Bottom mount – R or L side or center drive and take-up	Bottom m R or L sid center driv and take-u	ount – e or /e Ip	Bottom mount – R or L side or center drive and take-up	Top R o	mount – r L side	150 – Shaft Mt Right Angle (#15) 250 – Bottom Mt. Right Angle (#23)
BELTS	Conventional or flat top (plain, pimpled or perforated)	Conventior or flat top (plain, pim or perforat	nal pled ed)	Black PVC 120 (#65) 4", 6", 8", 10", 12", 18", 24", 30" Blk Rubber Rough Top (#47) 8", 12", 18", 24", 30" 2 Ply Green Urethane (#249) 4", 6", 8", 12", 18", 24"	Black PVC 8", 12", 18 Blk Rubbe Top (#47) 8", 12", 18 2 Ply Gree Urethane 8", 12", 18	120 (#65) ', 24", 30" r Rough ', 24", 30" n (#249) ", 24"	Black PVC 120 (#65) 12", 18", 24", 30", 36" Blk Rubber Rough Top (#47) 12", 18", 24", 30" 2 Ply Green Urethane (#249) 12", 18", 24"	Blac with higl on	ck PVC 120 n 1-1/2" h cleats 12" centers	Black PVC 70 (#251) 4", 6", 8", 12", 18", 24" 2 Ply Green Urethane (#249) 4', 6", 8', 10', 12', 18', 24'
SUPPORTS	0-73" BOF	0-73" BOF		TOB minimum 20" maximum 48"	TOB minimum 20" maximum 48"		TOB minimum 20" maximum 48"	TOE min max	3 iimum 20" ximum 48"	TOB minimum 20" maximum 48"
CASTERS	4 & 6" diameter Rigid & Swivel	4 & 6" diar Rigid & Sv	neter vivel	4 & 6" diameter Rigid & Swivel	4 & 6" dia Rigid & S	meter wivel	4 & 6" diameter Rigid & Swivel	4 & Rig	6" diameter id & Swivel	3-1/4" diameter Rigid & Swivel
SIDERAILS	Vertical Rails 2, 3-1/2 & 6"	Vertical Ra 2, 3-1/2 &	ils 6"	Vertical Rails 1-1/2, 3-1/2 & 6"	Vertical R 1-1/2, 3-1	ails /2 & 6"	Vertical Rails 1-1/2, 3-1/2 & 6"	Ver 3-1,	tical Rails /2 & 6"	1" & 2" Vertical 1" & 2" Flared
OTHER OPTIONS	Impact bars, standard cleats, radial sidewings, outside sidebars and bolt-on	Impact bars, standard cleats, radial sidewings, outside sidebars and bolt-on		bottom pan	bottom pa	n		Boli boti star infe	t-on tom pan & ndard ved hopper	M150 Gearmotors - 1.5-30 FPM - 1/12 HP (#100581A2) (#100581A3) - 30-60 FPM - 1/6 HP (#100582A2) (#100582A3)
CONTROLS	Manual Starter @ 1 w/0.L. Protection a Start/Stop (#10912	20/1/60 nd 02)	Manual w/0.L. I (#10912	Snap Switch @ 120/1 Protection 2.15	/60 Mag or 48 Start 240\ 460\	netic Non- 80/3/60 w/ /Stop Pus / – (#1003 / – (#1003	reversing Starter @ 2- O.L. Protection with h Button 82) 83)	40	Magnetic Reve or 480/3/60 w/ Start/Stop/Rev 240V – (#1003 460V – (#1003	rsing Starter @ 240 O.L. Protection with erse Push Buttons 86) 87)

Electrical controls on UPTime Express™ equipment orders are shipped loose. Mounting and wiring of electric controls require an additional 24 hours.

Quick Start[™] Electrical Controls & Accessories

Starters



Manual Starter with built-in Start/Stop push button and overload protection.

Part#:	10912.02	- 120/1/60
	10912.08	- 240/1/60



Magnetic Non-Reversing Starter with overload protection and reset only. (3-phase starters include a 110-volt transformer.)

Part#: 100180 - 120/1/60 100181 - 240/1/60 100188 - 240/3/60 100189 - 480/3/60



Manual Drum Reversing Switch without overload protection.

Part#: 10912.25



Manual Snap Switch (Toggle-type)

Part#:	10912.15 -	120/1/60
	10912.09 -	240/1/60



Magnetic Non-Reversing Starter with overload protection and built-in Start/Stop push button. (3-phase starters include a 110-volt transformer.)

Part#: 100182 - 120/1/60
100183 - 240/1/60
100190 - 240/3/60
100191 - 480/3/60



Magnetic Reversing Starter with overload protection only. (3-phase starters include a 110-volt transformer.)

Part#: 100184 - 120/1/60 100185 - 240/1/60 100192 - 240/3/60 100193 - 480/3/60



Magnetic Reversing Starter with overload protection and built-in Forward/Stop/Reverse push button. (3-phase starters include a 110-volt transformer.)



Accessories



Remote Push Button Station with Forward/Reverse/Stop button without cord.

Part#: 100211



Remote Push Button Station with Start/Stop button without cord.

Part#: 100210



Pull Rope Switch for up to 33' maximum rope length.

Part#: 10912.18



Limit Switch with Limit Switch Arm

Consult Factory



Foot Switch Shielded - Singlephase only. Without cord.



Photo Eye and Timer with 10' cable - Retro/Reflective **Consult Factory**



Photo Eye and Timer with 10' cable - Diffuse. **Consult Factory**



Photo Eye and Timer with 10' cable - Thru-Beam. Consult Factory





Part#: 10912.39



E-Stop Without cord.

Part#: 10912.82

AC Variable Speed Drive Packages*

AC Variable Speed Drive Packages include an inverter duty motor and an AC variable speed frequency controller, with 4' of cord between motor and controller.

Description	Phase	NLE Part #	Description	Phase	NLE Part #
1/3 HP Motor 115/230 Volt AC	1	100235	1 HP Motor 460 Volt AC	3	100251
1/3 HP Motor 230 Volt AC	3	100240	1-1/2 HP Motor 115/230 Volt AC	1	100239
1/3 HP Motor 460 Volt AC	3	100248	1-1/2 HP Motor 230 Volt AC	3	100244
1/2 HP Motor 115/230 Volt AC	1	100236	1-1/2 HP Motor 460 Volt AC	3	100252
1/2 HP Motor 230 Volt AC	3	100241	2 HP Motor 230 Volt AC	3	100245
1/2 HP Motor 460 Volt AC	3	100249	2 HP Motor 460 Volt AC	3	100253
3/4 HP Motor 115/230 Volt AC	1	100237	3 HP Motor 230 Volt AC	3	100246
3/4 HP Motor 230 Volt AC	3	100242	3 HP Motor 460 Volt AC	3	100254
3/4 HP Motor 460 Volt AC	3	100250	5 HP Motor 230 Volt AC	3	100247
1 HP Motor 115/230 Volt AC	1	100238	5 HP Motor 460 Volt AC	3	100255
1 HP Motor 230 Volt AC	3	100243			

DC Variable Speed Drive Packages**

DC Variable Speed Drive Packages include a DC motor, a DC variable speed controller, cord and plug (180V does not include a plug).

Description	Non-Reversing NLE Part #	Reversing NLE Part #	Description	Non-Reversing NLE Part #	Reversing NLE Part #
1/4 HP Motor 90 Volt DC – 115V	10931.23	10931.32	3/4 HP Motor 90 Volt DC – 115V	10931.25	10931.34
1/4 HP Motor 180 Volt DC – 230V	10931.43	10931.44	3/4 HP Motor 180 Volt DC – 230V	10931.27	10931.36
1/3 HP Motor 90 Volt DC – 115V	10931.14	10931.51	1 HP Motor 90 Volt DC – 115V	10931.41	10931.12
1/3 HP Motor 180 Volt DC – 230V	10931.45	10931.46	1 HP Motor 180 Volt DC – 230V	10931.28	10931.38
1/2 HP Motor 90 Volt DC – 115V	10931.24	10931.33	1-1/2 HP Motor 180 Volt DC – 230V	10931.49	10931.39
1/2 HP Motor 180 Volt DC – 230V	10931.26	10931.35	2 HP Motor 180 Volt DC – 230V	10931.47	10931.48

* AC Variable Speed Drive Packages do not include cord and plug. All AC packages are NEMA I enclosures. Contact NLE for NEMA 4/12 applications.

** 90V DC Variable Speed Drive Packages are mounted and wired with 10' cord and plugs, 180V are mounted and wired with 10' cord only. Caution: It is the responsibility of the end user to ensure that all local and state codes are adhered to.





Custom Designed Pre-wired Systems

New London Engineering can custom design an electrical control panel for you. Turnkey system projects are possible to achieve a wide array of packing, moving or storing. Simply tell us what you want the system to do mechanically, and we will supply the electrical system to do it.



PAINT Options

These are the paint colors stocked by New London. Custom paint colors are available for a slight upcharge. Please inform your salesperson of any paint requirements during the quote process.



New London Blue (#10895)



New London Hammertone Blue (#10078)

Machinery Grey (#10900.55)





Vista Green (#10898)

Brown (#10888.03)



White (#10900.05)

SLIDER BED Options







SLIDER BED Siderail Options





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PlastiTrak Plastic Belt Conveyors **Quote Request Form**

																										Date			
Customer																			Со	ntact.									
Address																													
Phone																			Fax										
Product Inform	ation	D	escri	be w	nat tl	he pro	oduc	t is:																					
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Product Dimen	isions:		Lenç	gth						Widt	th					Tł	nick	ness						W	eigh	t			
Please further	descri	be the	e proc	luct o	hara	cteris	stics	- (cl	ean,	dirty	, wet,	dry,	oily,	sticky	/, sł	narp, hi	ot, f	frozei	n, etc	.)									
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Controls:	Descr	ibe Re	equire	ement	s																					-		-	
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Supports:	Elevat	ion To	op of	Belt @	🤉 Inf	eed _								5															
	Elevat	ion To	op of	Belt @	Dis	schard	je _																						
Paint:	New L	.ondo	n Eng	jineer	ing E	Blue ⊑) —	Spec	cial F	Paint	Colo	r																	



Brochure QR #03-07

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Hinged Steel Belt Quote Request Form

				Date
Customer			Contact	
Address				
Phone			Fax	
Product Informa	ation Length" Width	n" Thickness"	Drop Load Ht"	Live Load#
Please describe	the product being conveyed.			
Model # (if kno	wn). Tyne Di Di		⊃ 2-1/2" □ <i>1</i> " □ 6"	
	wii) iype. Gii Gii			
See	A. Infeed Length (18" S	Standard 2-1/2" Pitch) D. Does unit	have a length restriction?	"
Below	C. Discharge Length (1	8" Standard 2-1/2" Pitch) F. Clearance	Height @ Discharge	
Т	YPE I TY	YPE I TYPE	II TY	PE,III TYPE,IV
		R		
	D			
L I		y //		
-		F A B	F A B	F B F
Ł	F <u> </u>		E	
1		→ [−] [→]	d d d d d d d d d d	
Belt:	Width:" Rollers: 🗅 Fla	nged 🗅 Conventional Sidewing :	🗅 Standard 🛛 🗅 Radial	
Belt:	🗆 Conventional 🗅 Flat Top 🛛 Type	e: 🗆 Plain 🗅 Pimpled 🗅 Perforated	Pimp/Perf	
Speed:	FPM HP Voltage:	□ 115/230/1/60 TEFC □ 208/230/460	/3/60 TEFC 🗅 90 V DC 🗅 180 \	/ DC 🛛 Inverter Duty 🗅 Other
Motor Location:	□ End Drive Top Mount □ End Drive	e Side Mount 🛛 End Drive 45° Top Mou	int (for Type II conveyors)	
Motor Location:	Motor to be located on the	or 🗅 Left hand side when looking in di	rection of belt travel	
Controls:	Describe Requirements			
Siderails:	□ 2" High Vertical □ □ 2" High Flared at 30°	3-1/2" High Vertical 3-1/2" High Flared at 30°	G" High Vertical 6" High Flared at 30°	12" High Vertical 12" High Flared at 30°
	□ 2" High Flared at 45°	3-1/2" High Flared at 45°	G" High Flared at 45°	□ 12" High Flared at 45°
Supports:	" Elevation Bottom of Frame	at Infeed (If Infeed is in a PIT, note dir at Discharge	nensions in COMMENTS below)	
Casters:	Sizes: 0 4" 0 6"	Tvne: Rigid Rigid w/Brake	Swivel Swivel w/Brake	
Paint:	□ SteelTrak™ Hammertone Blue	Special:		
		(Quick-Dry Enamel Paint Onl	y — Customer Must Provide a P	Paint Chip)
Options:	 Access Panels Automatic Chain Oiler 	Drain Plug Fixed Brush at Discharge	 Impact Bars Top of Belt Impact Rails – Frame Welde 	ed Outboard Mounted Casters
	Bolt-on Bottom Pan Chip Suppressor	Flappers at Infeed Floor Locks	Infeed Hopper Keystock Over Sidewings	Rounded Infeed Take-Up At Infeed
	Discharge Chutes	Heat Dissipating Bars Impact Bars Bottom of Belt	Liguid-Tight Bottom Pan	Top Cover
Comments: P	lease describe any Special Condition	s below:		
	· · · · · · · · · · · · · · · · · · ·			



American Made and American Engineered

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Belt Conveyor Quote Request Form

																									Date			
Customer																		Cont	act _									
Address																												
Phone																		Fax .										
Product Informa Please describe	ation L the produc	_ength ct being	g conv	veyed	- 1.	Widt	h			Thi	ickne	SS			Dr	op L	oad H	⊣t			Li	ve Lo	ad		#			
Application	D	escrib	e what	t you	i wou	ıld lik	e the	con	/eyor	r to d	o! Pr	ovide	a sk	etch	belov	V.												
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				_																								-
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Conveyor:	Model # ((if knov	wn):			_	Belt	Widtl	h			Cor	iveyo	r Lei	ngth													
Speed:	FP	M	н	Р	Volta	ige:	□ 11	15/23	0/1/6	60 TEI	FC C	208	/230/-	460/3	3/60 1	TEFC	□ 9	0 V D)C 🗆	180 ב	V DO		Inver	ter Di	uty C	D Oth	er	
Controls:	Describe I	Requir	ement	:s																								
Motor Location:	🗅 End Dri	ve Bott	tom				End I	Drive	Side) Cen	ter Di	rive B	otton	n									
.	End Dri	ve Sha	ft			•	End I	Drive	Тор) Cen	ter Di	rive F	rame										
Motor Location:	iviotor to c	De locat	tea on	the	. U P	light	or L	Leπ	nano	a side	e wne	n 1001	king ir	1 aire	ction	ot de	eit tra	vei										
Belt:	Width:			Col	lor:			_ 1	ype:		P\	/C .		_RRI			RMV		()ther .								
Siderails:	□ 1-1/2" ŀ	High V	ertical				3-1/2 3-1/2	2" Hig 2" Hig	jh Ve jh Fla	ertical ared a	at 30'	0			6" Hi 6" Hi	igh V igh Fl	'ertica lared	al at 30)°				12" 12"	High High	Verti Flare	cal d at 3	0°	
	🗅 3-1/2" ł	High Tr	roughe	ed			3-1/2	2" Hig	jh Fla	ared a	at 45	0			6" Hi	igh Fl	lared	at 45	õ°				12"	High	Flare	d at 4	5°	
Supports:	" E	Elevatio	on Top	of B	Belt a	t Infe	ed																					
	" E	Elevatio	on Top	of B	Belt at	t Diso	charg	е																				
Casters:	Sizes: 🗆	3.25"	□ 4"		6"		Ţ	ype:	🗆 R	igid	□ R	igid v	ı/Bral	ke C	Sw	ivel	D SI	wivel	w/Br	ake								
Paint:	🗅 New Lo	ondon I	Engine	eerin	g Blu	е		SI (C	p ecia Juick	al:	Enan		aint O	nlv -		stom	or M	list D	rovic	le a P	aint	Chin)						
Pollor Convers	ro Only							(C	auick	-DTY	LIIAI		unit U	iiiy -	- 00	31011		uot P	TUVIL	σαr	ann	omh)						
Kuller Conveyo	rs uniy	Со	onveyo	r Eff	ective	e Wic	dth				_	_			" (liame	eter r	ollers	on _			" C€	enters	S.				



Brochure QR #03-07

SUPPORTS Summary

Compact Light Duty Supports

Used with ToughTrak thin line conveyors. (12 gauge Unistrut style)

SUPPORT #	MIN-MAX RANGE	PART LOWER	LENGTH UPPER	# OF SPREADERS
А	2" - 3"	1-7/8"	1-3/4"	0
В	3" – 4"	2-7/8"	1-3/4"	0
С	4" - 5"	3-7/8"	1-3/4"	0
D	5" - 6"	4-7/8"	1-3/4"	0
E	6" - 7-1/2"	5-3/4"		0
F	7" - 8-1/2"	6-3/4"	Smile	0
G	8" - 9-1/2"	7-3/4"	Bracket	0
Н	9" - 10-1/2"	8-3/4"	Only	0
1	10" - 11-1/2"	9-3/4"		0
0A	11" – 14"	5-1/2"	9"	1
0B	13-1/2" - 17"	8"	11"	1
00	16" - 22-1/2"	10-1/2"	14"	1
0D	22" - 31"	12-7/8"	19"	1
0E	30-1/2" - 39-1/2"	12-7/8	28-1/2"	1
0F	39" - 48"	12-7/8	37"	1
0G	47-1/2" - 56-1/2"	12-7/8	45-1/2"	2
0H	56" - 65"	12-7/8	54"	2
01	64-1/2" - 73-1/2"	12-7/8	62-1/2"	2
0J	73" – 82"	12-7/8	71"	3
0K	81-1/2" - 90-1/2"	12-7/8	79-1/2"	3

Standard Duty Supports

Used with most slider bed conveyors (#1A–11 are 12 gauge x Unistrut style supports) (#2A–2K are 12 gauge x 3" formed)

SUPPORT #	MIN-MAX Range	PART Lower	LENGTH UPPER	# OF SPREADERS	# OF X-BRACES
1A	2" - 3"	1-7/8"	1-3/4"	0	0
1B	3" – 4"	2-7/8"	1-3/4"	0	0
1C	4" - 5"	3-7/8"	1-3/4"	0	0
1D	5" - 6"	4-7/8"	1-3/4"	0	0
1E	6" - 7-1/2"	5-3/4"		0	0
1F	7" - 8-1/2"	6-3/4"	Smile	0	0
1G	8" - 9-1/2"	7-3/4"	Bracket	0	0
1H	9" - 10-1/2"	8-3/4"	Only	0	0
11	10" - 11-1/2"	9-3/4"		0	0
2A	11" – 14"	5-1/2"	9"	1	0
2B	13-1/2" – 17"	8"	11"	1	0
2C	16" - 22-1/2"	10-1/2"	14"	1	0
2D	22" - 31"	12-7/8"	19"	1	0
2E	30-1/2" - 39-1/2"	12-7/8	28-1/2"	1	0
2F	39" - 48"	12-7/8	37"	1	0
2G	47-1/2" - 56-1/2"	12-7/8	45-1/2"	2	1
2H	56" - 65"	12-7/8	54"	2	1
21	64-1/2" - 73-1/2"	12-7/8	62-1/2"	2	1
2J	73" – 82"	12-7/8	71"	3	2
2K	81-1/2" - 90-1/2"	12-7/8	79-1/2"	3	2

Medium Duty Supports

Used with all M700 series and when wider elevation ranges are needed. (7 gauge, 3" formed channel)

SUPPORT #	MIN-MAX Range	PART LOWER	LENGTH UPPER	# OF SPREADERS	# OF X-BRACES
3A	0" - 3-7/8"	1/4"	3-5/8"	0	0
3B	3-7/8" - 5-5/8"	3-13/16"	3-3/16"	0	0
3C	4-3/4" - 7-1/2"	4-3/4"	4-1/4"	0	0
3D	7" – 10"	6"	5-1/2"	0	0
3E	9-1/2" - 13-5/8"	8-5/8"	7-1/2"	0	0
3F	12-3/4" – 15"	6-3/4"	11"	1	0
3G	14-1/2" – 18"	8-3/4"	12"	1	0
3H	16-5/8" - 22"	10-3/4"	14"	1	0
31	20" - 29-1/4"	14"	18"	1	0
3J	24" - 36"	18"	21"	1	0
3K	30-1/8" - 49-1/4"	24"	28"	2	0
3L	42" - 73-1/4"	36"	40"	2	1
3M	66-1/8" - 121-1/4"	60"	64"	3	1
3N	110" - 150-1/4"	104"	64"	3	2
3Q	139" – 200-1/4"	104"	108"	4	3

Heavy Duty Supports

Used with heavy duty framed slider beds, belts with greater widths, 670's, 675's, and 4" pitch conveyors.

(7 gauge, 3	' formed	upper and	4" x 5.4#	channel	lower)
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SUPPORT #	MIN-MAX Range	PART LOWER	LENGTH UPPER	# OF SPREADERS
4A	11" – 12-1/4"	5-3/4"	9-1/4"	1
4B	11-3/4" - 13-11/16"	6-1/2"	10"	1
4C	13-3/16" - 16-5/8"	7-15/16"	11-7/16"	1
4D	16-1/8" - 22-1/2"	10-7/8"	14-3/8"	1
4E	21-3/4" - 31-1/4"	16-1/2"	19"	1
4F	30-1/4" - 39-3/4"	25"	19"	1
4G	38-3/4" - 48-1/4"	33-1/2"	19"	2
4H	47-1/4" - 56-3/4"	42"	19"	2
41	55-3/4" - 65-1/4"	50-1/2"	19"	2
4J	64-1/4" - 73-3/4"	59"	19"	3
4K	72-3/4" - 82-1/4"	67-1/2"	19"	3
4L	81-1/4" - 90-3/4"	76"	19"	3

Structural Channel Supports

Used with Model 590, 751, and 760.

(6" x 8.2# structural channel upper & 7 gauge formed lower)

0" - 36" 36" - 72" 72" - 108" 108" - 144" 144" - 180" 180" - 216" 216" - 260"	Contact NLE			
Knee Braces	4" x 5.4# Structural Channel			
Adjustability is in the lower leg of +/- 6" Welded construction (Knee braces are removable)				

Frame Depth Reference Guide

Support Height = Top of Belt minus (frame depth + caster height)

	FRAME DEPTHS			
MODEL	INFEED/INT	ERMEDIATE	DRIVE	
150	1-3/4"		2-1/2"	
180/181	N/A		N/A	
200	3-1/2" / 2-3/4"		5-3/4"	
200 Power	3-1/2"		5-3/4"	
Feeder < 5'				
200 Power	3-1/2" / 2-3/4"		5-3/4"	
Feeder 5' >				
205 - 208	3-1/2"		5-3/4"	
210	3-1/2" / 2-3/4"		11-1/4"	
220 & 221	5-1/2"		11-1/4"	
250	1-3/4"		3-1/8"	
301	7-5/8" / 6-5/8"		7-3/16"	
311 & 321	7-5/8" / 6-5/8"		11-1/4"	
410	3-1/2" / 2-3/4"	3-1/2" / 2-3/4"		
420	5-1/2"		11-1/4"	
500 & 521	6-1/2"		6-1/2"	
505	13"		13"	
600 & 800	6-1/2"		7-13/16"	
610 & 640	6-1/2"		11"	
660	6-1/2"		11"	
670	Drive Side	Idle Side		
Roller Set High	6"	4"		
Roller Set Low	6"	6"		
675	Drive Side	Idle Side		
Roller Set High	8-1/2"	6-1/8"		
Roller Set Low	8-1/2"	8-1/2"		
700	6-5/8"			
715	4-1/8"		6-5/8"	
721	8-1/2"	8-1/2"		
722	6-5/8"	6-5/8"		
724	8-1/2"	8-1/2"		
725	5-3/8"		6-5/8"	
726	6-5/8"		6-5/8"	
727	6-5/8" to 4-1/8"		6-5/8"	
950	6" Channel		6" Channel	



For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

Casters & Floor Locks

DESCRIPTION	HEIGHT W/CASTER BRACKET	CAPACITY	SWIVEL Radius
*3-1/4" Dia Rigid	4-1/2"	700#	3"
*3-1/4" Dia Swivel w/Brake	4-1/2"	700#	3"
4" Dia Rigid	5-13/16"	350#	3-9/16"
4" Dia Swivel w/Brake	5-13/16"	350#	3-9/16"
6" Dia Rigid	7-7/16"	400#	5"
6" Dia Swivel w/Brake	7-7/16"	400#	5"
Floor Locks – 4"	5-5/16"	N/A	N/A
Floor Locks – 6"	7-7/16"	N/A	N/A

The 3-1/4" diameter casters are made of phenolic material and therefore have a higher weight capacity than the rubber 4" & 6" diameter casters.

*Note: 3-1/4" casters are standard on ToughTrak.

Both 4" and 6" casters are available in rubber and steel.

Number of Supports Required

(Depending on length and orientation, use this table as a guide)

CONVEYOR Length	# OF SUPPORTS REQUIRED	CONVEYOR Length	# OF SUPPORTS REQUIRED
5' – 14'	2 Pair	55' - 64'	7 Pair
15' – 24'	3 Pair	65' – 74 '	8 Pair
25' - 34'	4 Pair	75' – 84'	9 Pair
35' - 44'	5 Pair	85' - 94'	10 Pair
45' - 54'	6 Pair	95' - 104'	11 Pair





SUPPORTS Light Duty

Typically used with ToughTrak thin line conveyors.

(12 Gauge x Unistrut Style Supports)

SUPPORT #	MIN-MAX Range	PART LOWER	LENGTH UPPER	# OF SPREADERS
Α	2" – 3"	1-7/8"	1-3/4"	1
В	3" – 4"	2-7/8"	1-3/4"	1
С	4" – 5"	3-7/8"	1-3/4"	1
D	5" – 6"	4-7/8"	1-3/4"	1
E	6" - 7-1/2"	5-3/4"		1
F	7" – 8-1/2"	6-3/4"	Smile	1
G	8" - 9-1/2"	7-3/4"	Bracket	1
Н	9" – 10-1/2"	8-3/4"	Only	1
1	10" – 11-1/2"	9-3/4"		1
0A	11" – 14"	5-1/2"	9"	1
0B	13-1/2" – 17"	8"	11"	1
00	16" – 22-1/2"	10-1/2"	14"	1
0D	22" – 31"	12-7/8"	19"	1
0E	30-1/2" - 39-1/2"	12-7/8	28-1/2"	1
0F	39" – 48"	12-7/8	37"	1
0G	47-1/2" - 56-1/2"	12-7/8	45-1/2"	2
OH	56" - 65"	12-7/8	54"	2
01	64-1/2" - 73-1/2"	12-7/8	62-1/2"	2
0J	73" – 82"	12-7/8	71"	3
0K	81-1/2" - 90-1/2"	12-7/8	79-1/2"	3





For a larger version of a drawing or to print a copy see our website at WWW.NLECO.COM and click on DRAWINGS

SUPPORTS Standard Duty

Typically used with slider bed conveyors.

(#1A – 11 are 12 gauge x Unistrut style supports) (#2A – 2K are 12 gauge x 3" formed)

SUPPORT #	MIN-MAX Range	PART LOWER	LENGTH UPPER	# OF SPREADERS	# OF X-BRACES
1A	2" – 3"	1-7/8"	1-3/4"	0	0
1B	3" – 4"	2-7/8"	1-3/4"	0	0
1C	4" - 5"	3-7/8"	1-3/4"	0	0
1D	5" - 6"	4-7/8"	1-3/4"	0	0
1E	6" - 7-1/2"	5-3/4"		0	0
1F	7" - 8-1/2"	6-3/4"	Smile	0	0
1G	8" - 9-1/2"	7-3/4"	Bracket	0	0
1H	9" - 10-1/2"	8-3/4"	Only	0	0
11	10" - 11-1/2"	9-3/4"		0	0
2A	11" – 14"	5-1/2"	9"	1	0
2B	13-1/2" – 17"	8"	11"	1	0
20	16" – 22-1/2"	10-1/2"	14"	1	0
2D	22" – 31"	12-7/8"	19"	1	0
2E	30-1/2" - 39-1/2"	12-7/8	28-1/2"	1	0
2F	39" – 48"	12-7/8	37"	1	0
2G	47-1/2" – 56-1/2"	12-7/8	45-1/2"	2	1
2H	56" - 65"	12-7/8	54"	2	1
21	64-1/2" – 73-1/2"	12-7/8	62-1/2"	2	1
2J	73" – 82"	12-7/8	71"	3	2
2K	81-1/2" - 90-1/2"	12-7/8	79-1/2"	3	2





Standard Duty Supports (#1E thru 1I)





SUPPORTS Medium Duty

Typically used with all 700 series conveyors and units requiring wider elevation range.

(7 gauge x 3" formed)

SUPPORT #	MIN-MAX Range	PART LOWER	LENGTH UPPER	# OF SPREADERS	# OF X-BRACES
3A	0" - 3-7/8"	1/4"	3-5/8"	0	0
3B	3-7/8" - 5-5/8"	3-13/16"	3-3/16"	0	0
3C	4-3/4" - 7-1/2"	4-3/4"	4-1/4"	0	0
3D	7" – 10"	6"	5-1/2"	0	0
3E	9-1/2" - 13-5/8"	8-5/8"	7-1/2"	0	0
3F	12-3/4" – 15"	6-3/4"	11"	1	0
3G	14-1/2" – 18"	8-3/4"	12"	1	0
3H	16-5/8" – 22"	10-3/4"	14"	1	0
31	20" - 29-1/4"	14"	18"	1	0
3J	24" - 36"	18"	21"	1	0
3K	30-1/8" - 49-1/4"	24"	28"	2	0
3L	42" - 73-1/4"	36"	40"	2	0
3M	66-1/8" - 121-1/4"	60"	64"	3	1
3N	110" - 150-1/4"	104"	64"	3	2
3Q	139" – 200-1/4"	104"	108"	4	3



(#3A thru 3L)



Medium Duty Supports (#3M thru 3Q with X-Brace)



SUPPORTS Medium Duty

Typically used with all 700 series conveyors and units requiring wider elevation range.

(7 gauge x 3" formed)

SUPPORT #	MIN-MAX Range	PART LOWER	LENGTH UPPER	# OF SPREADERS	# OF X-BRACES
3A	0" - 3-7/8"	1/4"	3-5/8"	0	0
3B	3-7/8" - 5-5/8"	3-13/16"	3-3/16"	0	0
3C	4-3/4" - 7-1/2"	4-3/4"	4-1/4"	0	0
3D	7" – 10"	6"	5-1/2"	0	0
3E	9-1/2" - 13-5/8"	8-5/8"	7-1/2"	0	0
3F	12-3/4" - 15"	6-3/4"	11"	1	0
3G	14-1/2" - 18"	8-3/4"	12"	1	0
3H	16-5/8" - 22"	10-3/4"	14"	1	0
31	20" - 29-1/4"	14"	18"	1	0
3J	24" - 36"	18"	21"	1	0
3K	30-1/8" - 49-1/4"	24"	28"	2	0
3L	42" - 73-1/4"	36"	40"	2	1
3M	66-1/8" - 121-1/4"	60"	64"	3	1
3N	110" - 150-1/4"	104"	64"	3	2
3Q	139" – 200-1/4"	104"	108"	4	3



Medium Duty Supports (#3A thru 3L)



Medium Duty Supports (#3M thru 3Q with X-Brace)





Model 181 turntable with a CDLR deck. In this application the CDLR system pulled feeding products onto the M181 and then turned them 90-180 degrees to be discharged.



This is a heavy-duty chain driven live roller with 6" diameter rollers. It was used to transport very heavy flat bottom products. This unit is capable of handling weights in the 20,000# range.



This is a Model 670 CDLR with a pop up rotary cross. The pop up cross is used to raise and rotate product 180 degrees.





The above two photos are a "V" belt driven live roller with a hydraulic tipper. In this case long pipes were fed onto the conveyor from a feeding station. The photo on the right shows the hydraulic tipping mechanism in action.



This is a photo of an entire roller conveyor system. NLE specializes in producing custom made solutions that fit your application.



A M670 CDLR with urethane roller covers. Covers are commonly used in high friction and non-marking applications.



Photo of a heavy-duty structural channel framed slider bed.



Photo of a pop up chain transfer.



This trough conveyor is a low cost way to move bulk materials like sand, wood chips or dry cement.



This is a photo of a (4) strand plastic belt conveyor.



This hinged power feeder raises to make room for lift trucks and other traffic.



This panel flipper is designed to "flip" large panels. Panels are fed into the "flipper" from the right and then "flipped" by the rotating drum system.



This is a urethane band style pop up transfer.



This is a M675 heavy duty CDLR with transfer cut outs and hinged covers (chain guards removed to show detail).



This photo shows how gravity transfer rollers can be used as an economical way to transfer products at 90 degrees.



This photo shows a long M200 feeding a 90 degree belt curve.



These are photos of waste handling conveyors. NLE has a great deal of experience building conveyors for the waste handling industry.



Photo of a Model 590 bulk material handling conveyor.



This is a photo of a unique stainless steel, cone shaped turntable.



Photo of a typical hinged steel belt application.



This is a gravity roller conveyor with a pneumatic product lift.



This is a photo of a multiple strand urethane belt conveyor system with a slight incline and a unique 90-degree turn feature. The 3 bars shown on the right not only allowed the system to turn 90 degrees but also tipped the product so the side became the bottom. The new orientation was needed to read the packages bar code as it moved along the system.



This is a panel up ender. It is used to rotate and up end products in the wood industry like doors, paneling or plywood.



This is a large inclining conveyor feeding a shredder.



This is a pallet dispenser with a 3-strand chain-feeding conveyor. Pallets are loaded from the back and then dispensed via the 3-strand-feeding conveyor.



This urethane strand belt conveyor is used to carry products coated with chemicals or oils. The open air allows products to dry and drip onto drip pans.



This is a PlastiTrak – plastic belt system showing a 180-degree turn.

COMMON BELT OPTIONS

Rough Tops				
	NLE #47 – 2 Ply 150 Black RT x FS* - This rugged appearance 2 ply belt has a deep, nonskid hemp impression rough top surface that enables products to be conveyed on inclines and declines. The grip like impression holds products and minimizes any slide back of loads. The belts bottom surface (FS) has been coated to provide the optimal surface for any conveyor application.			
	NLE #53 – 2 Ply 100 Black Wedge Grip x BB – This belts top cover features a diamond shaped profile molded in a diagonal pattern. This "wedge grip" pattern provides an unusually high coefficient of friction for conveying bagged and packaged goods up the very steepest of inclines. The belts bare back (BB) non-coated low friction back surface keeps belts running smooth, flat and quiet.			
	NLE #103B – 2 Ply 220 Chevron Top x BB – This belt's SBR rubber top combined with 2 polyester fabric plies provide strength help minimize stretch for use in longer run rough top applications. The belts herringbone pattern of alternating rows of solid SBR rubber chevron profiles form a cover highly capable of moving free flowing bulk solids. It's designed to carry materials such as grains, foodstuffs, feeds and fertilizers up steep inclines. The belts bare back (BB) non-coated low friction back surface keeps belts running smooth, flat and quiet.			
Non-Marking				
	NLE # 95 – PVC 120 White Cover x MSK – This is an all around excellent value white belt. The belts bottom surface is skim coated (MSK) to help resist grease, fat and mineral oil exposure.			
ToughTrak Belts				
	NLE #251 – 2 Ply Black PVC x IMPG* – This specially compounded economical, oil and cut resistant PVC cover is the ideal surface for general purpose conveying. This belt runs smooth, flat and quiet because the back is impregnated (coated) with a filler material resulting in a soft and level, low noise surface.			
	NLE #249 – 2 Ply Green Urethane x IMPG – This is an economical yet high quality thin urethane belt with superior oil resistance and excellent cut and gouge resistance. It's an excellent economical choice for conveying sharp machined parts where an abundance of cutting oil is present. This belt runs smooth, flat and quiet because the bottom is impregnated (coated) with a filler material resulting in a soft and level, low noise surface. The smooth top also makes it a good choice for light duty accumulating applications.			
	NLE #224 – 2 Ply White PVC SC x IMPG Bottom – This is an all purpose, low cost non-marking belt. It's ideal for transporting fatty, oily and watery materials. This belt runs smooth, flat and quiet because the bottom is impregnated (coated) with a filler material resulting in a soft and level, low noise surface.			

COMMON BELT OPTIONS

Accumulation Applications



NLE #106 – 3 Ply 105 Black FS x FS - This belt has long been the standard for a wide variety of conveyor applications including both slider/roller bed service. It is an economical choice for a multitude of industrial uses where rubber covers are not necessary or desirable. The 3 ply construction adds strength and wear properties without sacrificing flexibility. Both surfaces (FS) have been coated for optimal running conditions.

NLE #107 – 3 Ply 105 Tan FS x FS - This belt is non-marking and a standard belt for conveying products in slider bed and roller bed applications. Often used to conveyor wood and other building products which might otherwise be marked by black belting. Can be vulcanized to endless lengths. The 3 ply construction adds strength and wear properties without sacrificing flexibility. Both surfaces (FS) have been coated for optimal running conditions.

General Purpose Applications



The following standard conditions of sale are set forth to give both the Seller and the Buyer a clear understanding of the terms of the sale and to provide mutual protection in the transaction.

(Required reading for all accounts.)

TERMS AND CONDITIONS OF SALE BETWEEN SELLER (New London Engineering) AND BUYER

- 1) TERMS OF PAYMENT. Firms rated by Dun and Bradstreet with a "Composite Credit Appraisal" of "good" or "high" and having adequate financial strength will be placed on open account terms. Open Account terms are 1-% 10 days. 30 days Net on unit orders and 30 days Net on parts orders. Any unauthorized discount taken after 10 days will be re-invoiced. Firms not rated by Dun and Bradstreet will be shipped C.O.D. until Seller has been provided with appropriate credit references and information. If these meet above-mentioned financial requirements, the firms will be placed on open account terms. Orders are invoiced from the day of shipment. Terms begin from the date of the invoice. No exceptions. The buyer will be required to pay a late charge of one and one half percent (1-1/2%) per month on any balance remaining open 30 days after the date on which payment is due the Seller. The Seller reserves the right to change terms, prices, and specifications without notice.
- 2) DOWN PAYMENTS. In the event of large dollar volume orders, long lead times, anticipated extended shipment time, or other causes, the Seller reserves the right to require a down payment and/or progress payments. Orders with this type of requirement will not be processed into fabrication until the down payment or first progress payment, as meets contract conditions, is received.
- 3) NEW ACCOUNTS. If Buyer is in doubt as to its rating with the mercantile agencies, please submit three credit references and the name of the Buyers bank. Provide all names, addresses, and phone numbers.
- 4) C.O.D. ORDERS. Please include a deposit of 50% with orders for units to be shipped C.O.D., shipment will then go forward C.O.D. against bill of lading for the balance. Parts orders for more than \$500.00 will require a 50% deposit.
- 5) EXPORT ORDERS. Prices for export crating can be obtained by contacting the Sales Department for quotations and placing orders.
- 6) PRICE CHANGES. Seller may change the prices listed without notice in order to reflect Sellers prices at time of shipment and any increase in transportation, labor, or other costs. If a delivered price has been quoted, any charges at destination for spotting, switching, handling, storage, and other accessorial services and demurrage shall be borne by Buyer. Seller reserves the right to correct any obvious errors or mistakes in specifications or prices.
- 7) WHEN ORDERING. Please specify name of item; catalog part number, as well as Serial Number of the Conveyor and any other pertinent information, to insure prompt handling of the order.
- 8) MINIMUM BILLING. \$50.00 Net, exclusive of transportation charges.
- 9) DELIVERIES. Any delivery schedule indicated is based on the Seller's present estimate of the time required to ship after receipt of Buyer's order and is contingent upon Buyer supplying all required technical information to the Seller when needed. In the event of any delay in Seller's performance do in whole or in part to any cause beyond Seller's reasonable control, Seller shall have such additional time for its performance as may be reasonably necessary under the circumstances. Deliveries are normally quoted A.R.O. (After Receipt of Order), which means when the written purchase order is received by the Seller; or A.R.O.A.D (After Receipt of Approval Drawings), which means signed approval drawings with no changes are received by the Seller. All orders are scheduled during a particular week. The Seller will not be required to ship on a particular day. Seller's responsibility ceases when delivery is made to the transportation company. Claims for loss or damage in transit must be handled by the Buyer with the carrier.
- 10) EXTRA MANUALS. Seller will furnish one combined safety, installation, operation, maintenance, and parts manual. Should extra manuals be required above the one manual supplied with each unit, a price of \$10.00 will be charged for each extra manual.
- 11) SUSPENSION OF PERFORMANCE. If in Seller's judgement reasonable doubt exists as to Buyer's financial responsibility, or if Buyer is past due in payment of any amount owing Seller, Seller reserves the right, without liability and without prejudice to any other remedies, to suspend performance, decline to ship, or stop any material in transit, until Seller receives payment of all amounts owing to Seller, whether or not due, or adequate assurance of such payment.
- 12) SHIPMENT. Shipment may be by carrier or other means selected by Seller. Title to any goods priced at shipping shall pass to Buyer upon delivery at such shipping point. All units are shipped knocked-down. If shipment is delayed by Buyer, date of readiness for shipment shall be deemed to be date of shipment for payment purposes. If manufacture is delayed by Buyer, a payment shall be based on purchased price and percentage of completion, balance payable in accordance with the terms as stated. Equipment held for the Buyer shall be at risk and expense of the Buyer.
- 13) WARRANTIES. Seller warrants that material in and workmanship on the equipment manufactured by Seller will be free from defects at time of shipment. If during the first twelve months (or 2000 hours, whichever comes first) of operation after final shipment, the Buyer establishes to Seller's satisfaction that any part or parts manufactured by Seller were defective when they were shipped, the Seller will, at its expense, deliver (but not install) replacement parts. Buyer must contact Seller within the first nine months after sale to Buyer to allow any warranty coverage to be applied. Seller's liability under this warranty is limited to furnishing of such replacement parts and Seller will make no allowance for corrective work done unless Seller agrees hereto in writing. Buyer must check all hardware tightness and reducer oil level and vent plug at time of installation, and retighten any and all hardware loosened during shipping. Damage or deterioration due to failure to check these items, or due to extraordinary wear and tear (including, but not in limitation, use of said equipment to handle products of sizes, weights, and shapes at speeds or methods which differ from information originally provide by Buyer), chemical action, wear caused by the presence of abrasive material or by improper maintenance or lubrication, shall not be liable hereunder for any consequential or indirect damages included but not in limitation to, damages which may arise form loss of anticipated profits or production, or from increased cost of operation or spoilage of material. The components used in the manufacture of said equipment, which were manufactured by others, will carry such manufacturer's customary warranty, which Seller will obtain for Buyer's benefit upon request. NOTE! To protect warranties on any defective conveyor components (i.e. gearbox, motor, etc.) call the Seller's home office for authorization before disassembling or replacing. Failure to do so will immediately void all warranties and guarantees.
- 14) SAFETY DIRECTIONS. Seller makes no warranty whatsoever that the equipment and installation of said equipment when placed in operation and use by Buyer will comply with pertinent national, state, and local health and safety laws, including but not in limitation, the Federal Occupational Safety and Health Act (OSHA) and the regulations, standard rules and orders issued pursuant to any such laws. Buyer shall be solely responsible for compliance therewith for any damages, penalties or fines arising from non-compliance; provided however, that Seller shall cooperate with Buyer in the design, manufacture or purchase of safety features or devices which Buyer deems to be necessary under OSHA or any other statute, ordinance or governmental regulation, the price at which any such further equipment or service shall be furnished by Seller and shall be at Seller's standard prices then in effect, or as agreed upon between Seller and Buyer. Unit applications, locations, the proximity of any and all persons to the equipment or amy moving parts or materials, and customer specifications determine the type, quantity and/or placement of electrical, electrical safety or other safety controls required. Whether these controls are supplied by New London Engineering or another supplier, all OSHA safety and health standards, the National Electrical Code and local codes must be followed.
- 15) TOLERANCES AND VARIATIONS. All goods shall be subject to tolerances and variations consistent with usual trade practices regarding dimension, straightness, section, composition, and mechanical properties and normal variations in surface and internal conditions and quality and shall also be subject to deviations from tolerances and variations consistent with practical testing and inspection methods.
- 16) RETURNS. In the event a failure should occur in any of the parts of the machine during the warranty period the following procedure must be followed to return and receive replacement parts and/or receive permission for on-site repairs and/or repair charges. A minimum 25% handling charge will be made on all returned goods. CONTACT NEW LONDON ENGINEERING IMMEDIATELY AS TO THE NATURE OF THE PROBLEM.

A) PARTS:

- 1) at this time, replacement parts will be sent prepaid. These parts will be invoiced for the normal selling price.
- 2) In a few days, you will receive a Returned Goods Authorization (RGA) slip, which will be your authorization to return the problem parts to NLE prepaid. (The Returned Goods Authorization slip must accompany the problem parts or they will be refused).
- 3) When the problem parts are received in NLE's plant, our claims department and/or the manufacturer of the components will determine if the parts are covered under warranty. If the parts are determined to be defective NLE will issue the proper credit for them, If the parts are determined not to be covered by warranty, you will be required to pay the full invoice price.
- B) REPAIRS OR REPAIR CHARGES (ON-SITE):
 - 1) An estimate of the cost of repairs, in hours, material and dollars must be given in writing to Seller along with an accurate description of the problem.
 - 2) The Seller reserves the right to grant permission for repairs, or to arrange to have NLE employees or agents repair the equipment on-site, or to request the return shipment of the unit(s).
 - 3) The Seller will not accept any back-charges or accept any returned parts or units made or shipped, unauthorized by the Seller.
 - Seller Also Reserves The Right To Not Accept The Return Of Any Goods Which It Deems To Be Related To Good Safety Practices.
- 17) COPYRIGHT. No reproduction either in whole or in part may be made of the Seller's catalog, drawings, sketches, etc., without written permission from NLE's Sales department.
- 18) BACK ORDERS. Seller will attempt to ship all orders complete; however, in the event of back orders, the orders will be shipped with freight charges, collect or prepaid, at Sellers option only.
- 19) CLAIMS. Claims for shipping shortages, concealed or otherwise, will not be allowed by Seller, unless reported within 30 days after shipment of merchandise. Shipments travel at Buyer's risk and all damaged freight claims will be the responsibility of the Buyer.
- 20) PRODUCT CHANGE. Products of modular design with standardized components as represented in Seller's catalog have been one of the main features of its equipment over the years. However, Seller reserves the right to make changes without notice, in the interest of product improvement, delivery, or the application of new materials.
- 21) TOOLS, DIES, AND FIXTURES. Unless otherwise expressly provided herein, any tools, dies, or fixtures which may be developed for Seller in the production of the goods covered hereby shall be owned by Seller, as Seller may elect, even though you are charged in whole or in part for the cost of such tools, dies, and fixtures.
- 22) PATENT INFRINGEMENT. If any of the goods are to be furnished to Buyer's specifications, Buyer agrees to indemnify Seller and Seller's successors and assigns, against all liabilities and expenses resulting from any claim of infringement of any patent in connection with the production of such goods. NOTE: Unless requested and agreed upon in writing by Buyer and Seller before the start of engineering and/or manufacturing (concept drawings or sequences put forth during original proposal or quote will constitute the start of engineering) the Seller will not be held to any secrecy or exclusivity clauses by the Buyer, and Seller shall retain all patent rights for any equipment designed or manufactured by the Seller.
- 23) SPECIAL DRAWINGS OR DATE REQUIREMENTS. If a customer should require one or more special drawings larger or different than the standard 8-1/2" x 11" line drawing in our catalog, Seller will have the option to charge for the master drawing or copies as requested. Consult the Seller for prices on any special drawings or date requirements, or drawings required on magnetic media, such as 3-1/2" disks. Sepias and/or other original drawings are not available.
- 24) CANCELLATION. An order may be cancelled or modified only by written agreement between the parties. Buyer insistence upon canceling or suspending fabrication or shipment, or Buyer's failure to furnish specifications when required, may be treated by Seller as a breach of contract by Buyer, and Seller may cancel any unshipped balance without prejudice to any other remedies Seller may have. Cancellation charges can be obtained from the Sales department.
- 25) TAXES. All applicable federal, state, or local sales use, occupational or excise taxes are the responsibility of the Buyer and shall be in addition to the price or prices stated unless otherwise specifically stated. Seller shall have the right to invoice separately any such tax as may be imposed at a later time. Applicable tax exemption certificates must accompany any order to which the same applies.
- 26) MODIFICATIONS OR ALTERATIONS TO EQUIPMENT. Modifications or alterations to the equipment without express written consent of the Seller-Manufacturer is forbidden. Failure to obtain consent in writing relieves the Seller-Manufacturer from any and all liability for said product.
- 27) EQUIPMENT OPERATION. Buyer agrees to require its employees to read and be familiar with the safety instructions and the operation and maintenance portion of the manual before operating this equipment. Buyer agrees to completely train and require its employees to use all safety devices and guards on the equipment and to use safe operating procedures. Buyer agrees to not remove or modify any such equipment, switch, device, guard, or wanting sign or allow it to fall into disrepair. If Buyer, or its employees, fails to strictly observe all these obligations, Buyer agrees to indemnify and save Seller harmless from any liability or obligation incurred by the Seller to persons injured directly or indirectly by the operation of the equipment.
- 28) RESALE, TRANSFER, OR LEASE OF EQUIPMENT TO OTHERS. Buyer agrees to the continuing obligation to notify Seller of the resale, transfer, or lease of the equipment to third parties, stating the name and address of the new owner or transferee and the location of the equipment.
- 29) REPORTING PERSONAL INJURIES OR PROPERTY DAMAGE. The Buyer or user agrees to notify Seller within 30 days of any accident or occurrence involving Seller's machinery or equipment resulting in personal injury or property damage, and shall cooperate fully with Seller in investigation and determining the cause of such accident or occurrence. In the event that the Buyer or user fails to give notice to Seller and so cooperate, the Buyer or user agrees to indemnify and save Seller harmless from all loss or damage arising from such accident or occurrence.
- 30) ASSIGNABILITY. Any contract for sale and purchase of machinery and equipment cannot be assigned except with the written consent of Seller.
- 31) SUCCESSOR OWNERS AND USERS. The terms and conditions hereof are binding on successor owners and users, who take by purchase, assignment, lease, or otherwise, the right to own, use or operate the equipment sold to the original buyer, and said terms and conditions shall transfer with the equipment itself as an integral obligation of any successor to the original buyer. The successor owner and user obligations and liabilities stated herein shall also apply if the original buyer was a dealer and purchased the equipment from Seller for purposes of resale and transfer to third parties.
- 32) INSTALLATION AND ERECTION. Installation and erection of the equipment or supervision thereof by Seller, if specified or requested by Buyer, shall be governed by Seller's Standard Conditions of Erection and Installation and/or other specifications contained in the written order.
- 33) ENTIRE AGREEMENT. These Terms and Conditions of Sale constitute the entire agreement between the parties concerning any machinery or equipment sold and purchased. It shall not be modified or cancelled except by mutual agreement in writing and signed by all parties.
- 34) APPLICABLE LAW. The laws of the State of Wisconsin shall govern and control the right, duties, remedies, and obligations of Seller, Buyer, successors, users, and owners and Wisconsin law shall be used to interpret and construe all of the terms and conditions hereof.

GENERAL: Seller shall not in any event be liable for indirect special consequential or liquidated damages or penalties.



Unconditional Shipment Guarantee

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For easy part identification, go to NLECO.com and click on <u>Replacement Parts</u>



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