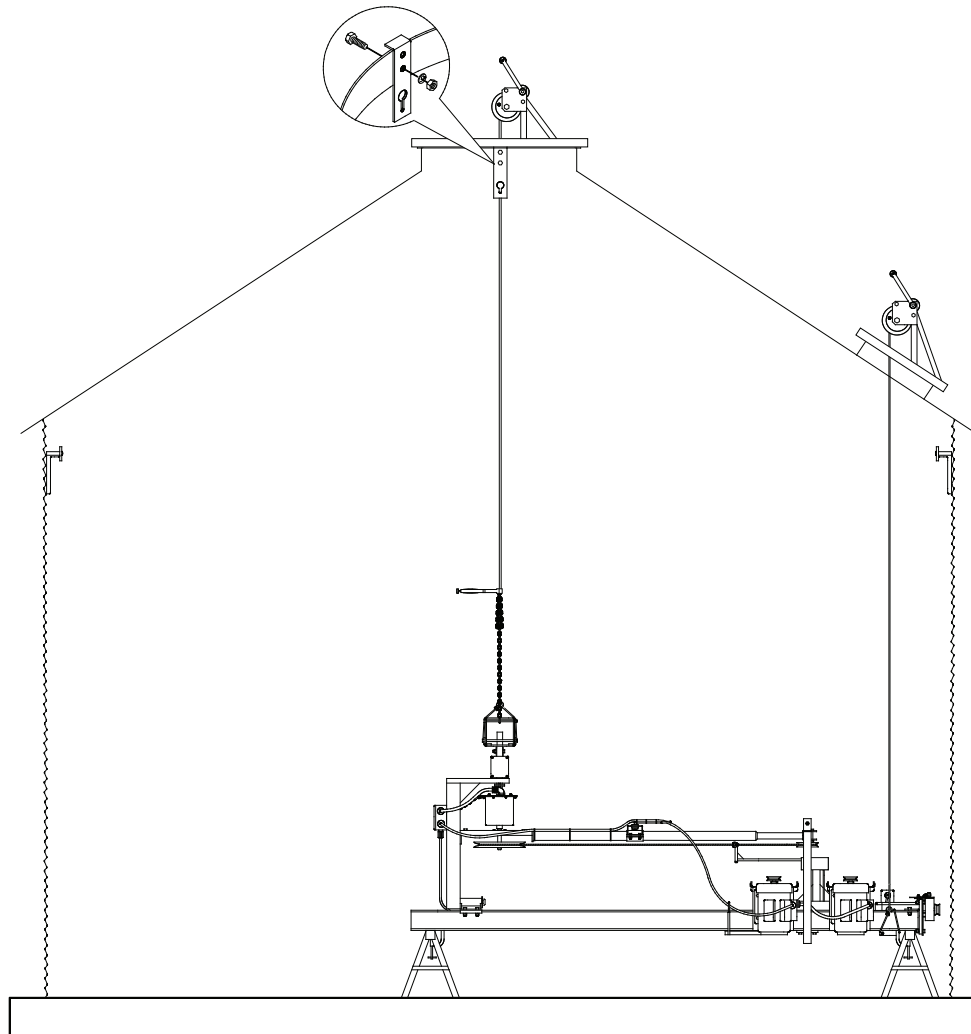




# Stir-Rite Grain-Stirring Machine



### Basic Unit Includes

- Main Support Beam
- Track with Brackets
- Rotating Contact
- Fill-Hatch Hanger Brackets
- Trolley(s) for Stirring Auger(s) with Drive Chain
- Stirring Auger Motor(s) with Wiring
- Gear Motor Drive

### Not Included

- Stirring Auger(s)
- Wire for bringing power to bin center
- Disconnect Switch

### Options

- 3 Phase 2hp [1.491kW] 240V
- 3 Phase 2hp [1.491kW] 440V
- 3 Phase 2hp [1.491kW] 380V
- Heavy-duty 50 Amp rotating contactor on 1 Auger units
- 2hp [1.491kW] 1PH Motors
- Stall Timer\*\*
- CSA Certified for Canada Add or deduct as follows.
  - 1 Stirring Auger Units
  - 2 Stirring Auger Units
  - 3 & 4 Stirring Auger Units
- Fixed Outside Stirring Auger Add to the price of the unit with the total number or trolleys required. Example: For a 30' diameter bin with 2 moving trolleys and 1 fixed trolley, use the 3-trolley price plus .

\*Standard on 2 to 4 auger units

\*\*Stall timer shuts unit down if it detects augers haven't moved for a preset time.



# Stirring Machine List Prices\*

Bin Diameter		One-Trolley				Two-Trolley			
		Part Number	List Price	Weight		Part Number	List Price	Weight	
feet	m			lb	kg			lb	kg
18'	5.49	038838		552	250	038844		653	296
21'	6.40	038839		591	268	038845		692	314
24'	7.32	038840		634	288	038846		735	333
27'	8.23	038841		678	308	038847		779	353
30'	9.14	038842		721	327	038848		823	373
33'	10.06	--	--	--	--	038849		865	392
36'	10.97	--	--	--	--	038850		909	412
40'	12.19	--	--	--	--	038851		963	437
42'	12.80	--	--	--	--	038852		990	449
48'	14.63	--	--	--	--	038853		1,033	469

Bin Diameter		Three-Trolley				Four-Trolley			
		Part Number	List Price	Weight		Part Number	List Price	Weight	
feet	m			lb	kg			lb	kg
18'	5.49	038855		771	350	038866		850	386
21'	6.40	038856		813	369	038867		899	408
24'	7.32	038857		859	390	038868		949	430
27'	8.23	038858		906	411	038869		998	453
30'	9.14	038859		952	432	038870		1,047	475
33'	10.06	038860		999	453	038871		1,096	497
36'	10.97	038861		1,045	474	038872		1,146	520
40'	12.19	038862		1,103	500	038873		1,212	550
42'	12.80	038863		1,132	513	038874		1,244	564
48'	14.63	038864		1,224	555	038875		1,343	609

\*Above prices DO NOT include stirring augers! To order the stirring augers, determine length required from chart below and order required augers from the chart on the following page.

<p>** STIR-RITE stirring machines will fit bins up to 1 foot [30.48cm] larger or 6 inches [15.24cm] smaller than the nominal diameter shown.            All stirring augers feature <b>graduated pitch</b> and a <b>hardened surfaced on lifting face*</b>. Order one auger for each trolley. Augers are made in six lengths as shown here.</p>
•16'0" [4.88m] stirring auger fits bins up to 17'2" [5.23m] eave height with 12" [30.48cm] floor supports.
•17'6" [5.33m] stirring auger fits bins up to 18'8" [5.69m] eave height with 12" [30.48cm] floor supports.
•20'0" [6.10m] stirring auger fits bins up to 21'3" [6.48m] eave height with 12" [30.48cm] floor supports.
•21'0" [6.40m] stirring auger fits bins up to 22'3" [6.78m] eave height with 12" [30.48cm] floor supports.
•22'0" [6.71m] stirring auger fits bins up to 23'3" [7.09m] eave height with 12" [30.48cm] floor supports.
•23'0" [7.01m] stirring auger fits bins up to 24'3" [7.39m] eave height with 12" [30.48cm] floor supports.

\*This statement applies to hard-surfaced units only.

NOTE: Consult your bin manufacturer for any modifications required to the bin before installation of a stirring device. Customer should be warned never to enter the bin when stirring device is in operation.

**WARNING: CUSTOMER SHOULD BE WARNED NEVER TO ENTER THE BIN WHEN A STIRRING DEVICE IS OPERATING.**

**IMPORTANT: MAKE SURE ALL WARNING DECALS ARE AFFIXED IN THEIR PROPER POSITIONS.**



# Stirring Auger List Prices

Graduated-pitch stirring augers loosen grain better and travel through grain faster.

- 1" High Strength Alloy Shaft
- Hardened Surface on Lifting Face ("Hard-surfaced augers only)
- Flighting Manufactured from 1/4" Thick Steel

HARD-SURFACED DOWN AUGERS - Add to basic Stir-Rite prices as required								
Description	Size		One-Trolley	Two-Trolley	Three-Trolley	Four-Trolley	Weight	
	Feet	Meters					lb	kg
1605LIH Stirring Auger	16'0"	4.88					49	22
1765LIH Stirring Auger	17'6"	5.33					53	24
2005LIH Stirring Auger	20'0"	6.10					71	32
2105LIH Stirring Auger	21'0"	6.40					78	35
2205LIH Stirring Auger	22'0"	6.71					86	39
2305LIH Stirring Auger	23'0"	7.01					94	43

NON-HARD-SURFACED DOWN AUGERS - Add to basic Stir-Rite prices as required								
Description	Size		One-Trolley	Two-Trolley	Three-Trolley	Four-Trolley	Weight	
	Feet	Meters					lb	kg
1605LIN Stirring Auger	16'0"	4.88					49	22
1765LIN Stirring Auger	17'6"	5.33					53	24
2005LIN Stirring Auger	20'0"	6.10					71	32
2105LIN Stirring Auger	21'0"	6.40					78	35
2205LIN Stirring Auger	22'0"	6.71					86	39
2305LIN Stirring Auger	23'0"	7.01					94	43

**IMPORTANT** If an auger is to be shortened, cut the bottom of the auger (flighting end). Do not cut the top. Reweld the end of the flighting to the auger shaft.

### How to read the Part Numbering System

Length		Hole Type	Neck Type	Pitch Type	Surface Type
Feet	Inches	4 = 1/4" [0.64cm]	L = LONG = 22" [55.88cm]	I = INCREASED	H = HARD SURFACED
XX	X	5 = 6/16" [0.953cm]	S = SHORT = 12" [30.48cm]	C = CONSTANT	N = NONE
		D = DIMPLE	X = EXTRA SHORT = 6" [15.24cm]		
		U = UNIVERSAL			

**Example:**

1605LIH    Stirring auger **16'0"**, 5/16" hole **Long** neck **Increasing-pitch**, **Hard-surfaced**  
 1764LIN    Stirring auger **17'6"**, 1/4" hole **Long** neck **Increasing-pitch**, **Not hard-surfaced**

### REPLACEMENT DOWN AUGERS

NECO Stirring Augers can be used to replace competitive brand down augers. NECO's Increasing pitch design and Hard Surfacing on the lifting face will improve performance and life compared to some competitive brands. Call NECO for special pricing on large quantities of down augers purchased at one time.

Shipping Fees	
1 - 2 Augers	
3 - 5 Augers	
6 or more Augers	

**\*\*\* NOTE \*\*\***

No augers will be shipped without crating unless picked up by customer. Customer takes full responsibility for bending if augers are picked up uncrated.



## Bill of Lading for Single-Trolley Stir-Rite Systems (Equipped for the USA)

Part Number	List Price (each)	Bill of Lading Item	Bin Diameter				
			18' [5.486m] 038838	21' [6.401m] 038839	24' [7.315m] 038840	27' [8.23m] 038841	30' [9.144m] 038842
038057		Bar, 20' [6.10m] Stir-Rite Track	3	2	4	3	5
038415		Bar, 15' [4.57m] Stir-Rite Track	--	2	--	2	--
		Chain, Trolley Drive (1 each)	038139	038140	038141	038142	038143
		(Price)					
		Spacer Angle (Length)	N/A	N/A	N/A	N/A	N/A
		(Part Number)	N/A	N/A	N/A	N/A	N/A
		(Price)	N/A	N/A	N/A	N/A	N/A
038933		BOP Rotating Contactor & Junction Box**	1	1	1	1	1
038674		Box of 33 Track Brackets	1	1	1	1	2
038828		Box of 9 Track Brackets	--	--	2	3	--
038827		Box of 6 Track Brackets	1	2	--	--	--
038824		Box of Parts: Stir-Rite Common Parts	1	1	1	1	1
038825		Box of Parts: Stir-Rite 2nd Trolley Parts	--	--	--	--	--
038826		Box of Parts: Stir-Rite 3rd Trolley Parts	--	--	--	--	--
038829		Box of Parts: Stir-Rite 4th Trolley Parts	--	--	--	--	--
038256		Hanger Channel	1	1	1	1	1
		Beam Weldment (Length)	10'0"	11'6"	13'0"	14'6"	16'0"
		(Part Number)	038123	038124	038125	038126	038127
		(Price)					
		Hanger Pipe (Part Number)	038457	038457	038458	038459	038460
		(Price)					

**FOR CSA UNITS:**  
**Substitute Rotating Contactor Box of Parts (BOP)**  
 1 Auger 038915  
 2 through 4 Auger 038916



## Bill of Lading for Two-Trolley Stir-Rite Systems (Equipped for the USA)

Part Number	List Price (each)	Bill of Lading Item	Bin Diameter Feet [Meters]									
			18' [5.486] 038844	21' [6.401] 038845	24' [7.315] 038846	27' [8.23] 038847	30' [9.144] 038848	33' [10.06] 038849	36' [10.97] 038850	40' [12.19] 038851	42' [12.80] 038852	48' [14.63] 038853
038057		Bar, 20' [6.10m] Stir-Rite Track	3	2	4	3	5	4	6	4	6	7
038415		Bar, 15' [4.57m] Stir-Rite Track		2		2		2		3	1	1
		Chain, Trolley Drive (1 each)	038142	038144	038145	038146	038147	038149	038150	038151	038834	038835
		(Price)										
		Spacer Angle (Part Number)	038501	038502	038503	038504	038505	038506	038507	038509	038510	038512
		(Price)										
039251		BOP 50amp Rotating Contactor with Junction Box**	1	1	1	1	1	1	1	1	1	1
038674		Box of 33 Track Brackets	1	1	1	1	2	2	2	2	2	3
038828		Box of 9 Track Brackets			2	3					2	
038827		Box of 6 Track Brackets	1	2				1	2	3	1	
038824		Box of Parts Stir-Rite Common Crate Parts	1	1	1	1	1	1	1	1	1	1
038825		BOP Stir-Rite 2nd Trolley Parts	1	1	1	1	1	1	1	1	1	1
038826		BOP Stir-Rite 3rd Trolley Parts										
038829		BOP Stir-Rite 4th Trolley Parts										
038256		Hanger Channel	1	1	1	1	1	1	1	1	1	1
		Beam Weldment (Length)	10'0"	11'6"	13'0"	14'6"	16'0"	17'6"	19'0"	21'0"	22'0"	25'0"
		(Part Number)	038123	038124	038125	038126	038127	038128	038129	038130	038131	038641
		(Price)										
		Hanger Pipe (Part Number)	038457	038457	038458	038459	038460	038461	038462	038463	038464	038634
		(Price)										

**FOR CSA UNITS:**  
**Substitute Rotating Contactor Box of Parts (BOP)**  
 1 Auger 038915  
 2 through 4 Auger 038916



**Bill of Lading for Three-Trolley Stir-Rite Systems**  
(Equipped for the USA)

Part Number	List Price (each)	Bill of Lading Item	Bin Diameter									
			Feet [Meters]									
			18' [5.486] 038855	21' [6.401] 038856	24' [7.315] 038857	27' [8.23] 038858	30' [9.144] 038859	33' [10.06] 038860	36' [10.97] 038861	40' [12.19] 038862	42' [12.80] 038863	48' [14.63] 038864
038057		Bar, 20' [6.10m] Stir-Rite Track	3	2	4	3	5	4	6	4	6	7
038415		Bar, 15' [4.57m] Stir-Rite Track		2		2		2		3	1	1
		Chain, Trolley Drive (1 each)	038672	038160	038138	038148	038144	038152	038153	038159	038154	038149
		(Price)										
		Spacer Angle (Part Number)	038501	038502	038503	038504	038505	038506	038507	038509	038510	038512
		(Price)										
039251		BOP 50amp Rotating Contactor with junction Box**	1	1	1	1	1	1	1	1	1	1
038674		Box of 33 Track Brackets	2	2	3	3	3	4	4	5	5	6
038828		Box of 9 Track Brackets		2			2		1			
038827		Box of 6 Track Brackets	1			2	1	1	1		1	
038824		Box: Stir-Rite Common Parts	1	1	1	1	1	1	1	1	1	1
038825		BOP Stir-Rite 2nd Trolley Parts	1	1	1	1	1	1	1	1	1	1
038826		BOP Stir-Rite 3rd Trolley Parts	1	1	1	1	1	1	1	1	1	1
038829		BOP Stir-Rite 4th Trolley Parts										
038256		Hanger Channel	1	1	1	1	1	1	1	1	1	1
		Beam Weldment (Length)	10'0"	11'6"	13'0"	14'6"	16'0"	17'6"	19'0"	21'0"	22'0"	25'0"
		(Part Number)	038123	038124	038125	038126	038127	038128	038129	038130	038131	038641
		(Price)										
		Hanger Pipe (Part Number)	038457	038457	038458	038459	038460	038461	038462	038463	038464	038634
		(Price)										

**FOR CSA UNITS:**  
**Substitute Rotating Contactor Box of Parts (BOP)**  
 1 Auger 038915  
 2 through 4 Auger 038916



**Bill of Lading for Four-Trolley Stir-Rite Systems**  
(Equipped for the USA)

Part Number	List Price (each)	Bill of Lading Item	Bin Diameter									
			Feet [Meters]									
			18' [5.486] 038866	21' [6.401] 038867	24' [7.315] 038868	27' [8.23] 038869	30' [9.144] 038870	33' [10.06] 038871	36' [10.97] 038872	40' [12.19] 038873	42' [12.80] 038874	48' [14.63] 038875
038057		Bar, 20' [6.10m] Stir-Rite Track	3	2	4	3	5	4	6	4	6	7
038415		Bar, 15' [4.57m] Stir-Rite Track		2		2		2		3	1	1
		Chain, Trolley Drive (1 each)	038645	038646	038647	038648	038649	038138	038651	038652	038653	038654
		(Price)										
		Spacer Angle (Part Number)	038501	038502	038503	038504	038505	038506	038507	038509	038510	038512
		(Price)										
039251		BOP 50amp Rotating Contactor with Junction Box**	1	1	1	1	1	1	1	1	1	1
038674		Box of 33 Track Brackets	2	2	3	3	3	4	4	5	5	6
038828		Box of 9 Track Brackets		2			2		1			
038827		Box of 6 Track Brackets	1			2	1	1	1		1	
038824		Box: Stir-Rite Common Parts	1	1	1	1	1	1	1	1	1	1
038825		BOP Stir-Rite 2nd Trolley Parts	1	1	1	1	1	1	1	1	1	1
038826		BOP Stir-Rite 3rd Trolley Parts	1	1	1	1	1	1	1	1	1	1
038829		BOP Stir-Rite 4th Trolley Parts	1	1	1	1	1	1	1	1	1	1
038256		Hanger Channel	1	1	1	1	1	1	1	1	1	1
		Beam Weldment (Length)	10'0"	11'6"	13'0"	14'6"	16'0"	17'6"	19'0"	21'0"	22'0"	25'0"
		(Part Number)	038123	038124	038125	038126	038127	038128	038129	038130	038131	038641
		(Price)										
		Hanger Pipe (Part Number)	038457	038457	038458	038459	038460	038461	038462	038463	038464	038634
		(Price)										

**FOR CSA UNITS:**  
**Substitute Rotating Contactor Box of Parts (BOP)**  
 1 Auger 038915  
 2 through 4 Auger 038916



# Fixed-Trolley Stir-Rite

## Grain Stirrers

### Why do you need a fixed trolley?

The temperature differential between the warm moist air inside the bin and the much colder temperatures outside can be great. Without a fixed trolley, the outer 18" [45.72cm] of a drying bin becomes a problem area. Depending on the bin radius, 12% to 36% of the grain may be contained in this area.

Fixed outside stirring augers provide constant stirring of the grain located in this otherwise problem-prone area. This stirring loosens grain and provides better airflow. A fixed-trolley stirring auger works with the rest of the stirring system to create full-pattern stirring and quicker, more effective drying.

### Fixed-trolley Beams

Used in place of the standard beam on fixed-trolley Stir-Rite stirrers.

Bin Diameter	24' [7.315m]	27' [8.23m]	30' [9.144m]	33' [10.06m]	36' [10.97m]	40' [12.19m]	42' [12.80m]	48' [14.63m]
Part Number	038364	039157	038366	038367	038368	039092	038370	038372
List Price								

### Fixed Trolley Add-on Kit (Without Down Auger)\*

To add a fixed trolley to an existing unit, use the appropriate kit from the list below. For example, if you have a 2-stirring auger setup and you want to make it into a 3-stirring auger system with one fixed stirrer, use one of the kits below.

Description	Part Number	List Price
1½ hp [1.119kW] 1-phase 230 volt	039175	
2 hp [1.491kW] 1-phase 230 volt	039176	

\*The stirring auger is not included. A unit of the appropriate length must be added from page ST-2. Additional down augers may require extra track brackets. Consult the Owner's Manual. If the total number of stirring augers will be four or more with this addition, NECO recommends going to a 50 amp Rotating Contactor (039250 Standard or 039269 With Stall Timer).

**Fixed Trolley Conversion Kit\***. Use this kit when converting an existing moving trolley into a fixed trolley. For example, if you have a unit with 3 moving stirring augers and you want to change it into a fixed auger and two moving stirring augers, use this kit.

Description	Part Number	List Price
Fits all units with 2 to 5 Stirring Augers	038208	

**NOTE:** When adding down auger motors to a unit you may need to change the rotating contact. Consult bill-of-lading price sheets for requirements.

NOTE: All fixed Trolley Conversion Kits require drilling the beam and cutting a drive chain.

## 10' [3.05m] Stir-Rite Track Kits

**10' [3.048m] TRACK KIT** (Optional kit to be used in place of standard 20' [6.096m] and 15' [4.572m] lengths.)

This kit is to be used for track installation when a maximum of 10' [3.05m] track pieces are desired for easier installation in existing bins. The kit includes 10' [3.05m] track pieces and extra track splice plates with bolts.

Bin Diameter	15' [4.572m]	18' [5.486m]	21' [6.401m]	24' [7.315m]	27' [8.23m]	30' [9.144m]	33' [10.06m]	36' [10.97m]	40' [12.19m]	42' [12.80m]	48' [14.63m]
Part Number	*	*	*	*	*	*	*	*	*	*	*
List Price	-	-	-	-	-	-	-	-	-	-	-

\*For appropriate top-level part number, add an "T" to the part number for a Stir-Rite stirrer with the desired bin diameter and number of down augers from page ST-1.



## Stir-Rite Bill-of-Lading Parts for Other-than-Standard Single-Phase 1½ hp [1.1185kW]

### Common Crates

Substitute for Common Crate BOP on standard bill of lading prices.

Description	Standard Units	Fixed Trolley Units
	Part Number	Part Number
1-Phase 230V with 1½ hp [1.1185kW] Motor	(See Page ST-3)	038217
1-Phase 230V with 2 hp [1.4913kW] Motor	038005	038833
3-Phase 230V with 2 hp [1.4913kW] Motor	038969	039026
3-Phase 460V with 2 hp [1.4913kW] Motor	038996	039194

### Second Trolley Box of Parts

Substitute for 2nd Trolley BOP on standard bill of lading prices.

Description	Part Number
1-Phase 230V with 2 hp [1.4913kW] Motor	038006
3-Phase 230V with 2 hp [1.4913kW] Motor	038955
3-Phase 460V with 2 hp [1.4913kW] Motor	038993

### Third Trolley Box of Parts

Substitute for 3rd Trolley BOP on standard bill of lading prices.

Description	Part Number
1-Phase 230V With 2 hp [1.4913kW] Motor	038206
3-Phase 230V With 2 hp [1.4913kW] Motor	038954
3-Phase 460V With 2 hp [1.4913kW] Motor	038994

### Fourth Trolley Box of Parts

Substitute for 4th Trolley BOP on standard bill of lading prices.

Description	Part Number
1-Phase 230V With 2 hp [1.4913kW] Motor	039025
3-Phase 230V With 2 hp [1.4913kW] Motor	038984
3-Phase 460V With 2 hp [1.4913kW] Motor	038995



## Stir-Rite Bill-of-Lading Parts for Other-than-Standard Single-Phase 1½ hp [1.1185kW] (continued)

### Rotating Contact Box of Parts *without* Stall Timer

Substitute for rotating contact on standard bill of lading.

Description	One Trolley	Two-Four Trolleys
	Part Number	Part Number
1-Phase 230V With 2 hp [1.4913kW] Motor	038933	039251
3-Phase 230V With 2 hp [1.4913kW] Motor	038957	039251
3-Phase 460V With 2 hp [1.4913kW] Motor	038035	039253

### Rotating Contact Box of Parts *with* Stall Timer

Substitute for rotating contact on standard bill of lading.

Description	One Trolley	Two-Four Trolleys
	Part Number	Part Number
1-Phase 230V With 1½ hp [1.1185kW] Motor	038959	039261
1-Phase 230V With 2 hp [1.4913kW] Motor	038959	039261
3-Phase 230V With 2 hp [1.4913kW] Motor	038951	039261
3-Phase 460V With 2 hp [1.4913kW] Motor	038989	039263

### Fixed-Trolley Drive Chains

Substitute for drive chain on standard bill of lading prices.

Bin Diameter	Total Stir Augers (including fixed)	Chain Pitches	Part Number	List Price
24' [7.315m]	3 Auger, Fixed	120	038385	
27' [8.23m]	3 Auger, Fixed	138	038377	
30' [9.144m]	3 Auger, Fixed	156	038159	
36' [10.97m]	3 Auger, Fixed	192	038380	
42' [12.80m]	3 Auger, Fixed	228	038382	

Bin Diameter	Total Stir Augers (including fixed)	Chain Pitches	Part Number	List Price
24' [7.315m]	4 Auger, Fixed	84	038649	
30' [9.144m]	4 Auger, Fixed	108	038387	
33' [10.06m]	4 Auger, Fixed	120	038653	
36' [10.97m]	4 Auger, Fixed	132	038388	
40' [12.19m]	4 Auger, Fixed	148	038769	
48' [14.63m]	4 Auger, Fixed	180	038391	