

SECTION 15 BROILER AND PULLET PAN FEEDER

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REPAIRS

SEE REPAIR LISTING IN SEPARATE CATALOG

HOW TO ORDER BROILER & PULLET PAN FEEDERS

- Recommended Bird Density Per Pan:

Broilers	55 - 80	(14" Pans)
Broilers	50 - 75	(13" Pans)
Pullets	15	

- Determine the number of feed lines and type of line needed (end fill or center fill).
- Refer to the feeder line component requirement charts on pages 15-16 thru 15-21.
- A complete feeder line order should include the following items:
 - End house control pan (2 per center fill line) - also mid-house control pan if required.
 - Motor & Gearbox Drive Unit per control pan.
 - Boot or Hopper Base with feed hopper/upper hopper.
 - Boot Safety Switch required on augers running at 657 RPM.
 - Pan Feeder units.
 - Best Start Chick Feeders if required.
 - Feed line tubes - include tubes with Best Start holes if required.
 - Tube clamps (if required) and tube hangers.
 - Auger - must be ordered in full length rolls.
 - Anti-Roost Items as needed.
 - Feed Control Switches and/or miscellaneous items as needed.
- Feed Delivery Rate based on 40 lbs. per cubic foot (340 kg per cubic meter) is approximately 17 pounds (7.7 kgs.) per minute at 358 RPM with full restrictor shaft with mash feed.

CONTROL PANS

Fuze ProLine Feeders

FUZE PROLINE CONTROL PANS WITH **MECHANICAL SWITCH**

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
820327	For FE1500RS Fuze ProLine Feeder 13" Standard Pan, 13 Spoke Grill	3.80	1.72	
820328	For FE1500RLS Fuze ProLine Feeder 13" Shallow Pan, 13 Spoke Grill	2.04	0.92	
820329	For FE1600RS Fuze ProLine Feeder 14" Standard Pan, 14 Spoke Grill	3.75	1.70	
820330	For FE1600RLS Fuze ProLine Feeder 14" Shallow Pan, 14 Spoke Grill	2.21	1.00	
820331	For FE1800RS Fuze ProLine Feeder 14" Standard Pan, 5 Spoke Grill	3.94	1.79	
820332	For FE1800RLS Fuze ProLine Feeder 14" Shallow Pan, 5 Spoke Grill	2.10	0.95	
820022	Bird Attracting LED Light For Control Pans (Universal)	0.88	0.40	

END CONTROL MOTOR MOUNT

FOR FUZE & FUZE PROLINE MECHANICAL & PROXIMITY SENSOR CONTROL PANS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
455960	End Control Motor Mount Plate With Electric Box - For All Fuze Pro Proximity Sensor or Mechanical Switch Control Pans ▶ SINGLE PHASE 60/50 HZ (With relay)	11.73	5.32	
455965	End Control Motor Mount Plate With Electric Box - For All Fuze Pro Proximity Sensor or Mechanical Switch Control Pans ▶ 1 or 3-PHASE 60/50 HZ (No relay)	8.70	3.95	

Note: 455960 or 455965 required for all Fuze & Fuze ProLine Proximity Sensor and Mechanical Control Pans used at end of feeder line.

MID LINE CONTROL PAN RELAY

FOR FUZE & FUZE PROLINE MECHANICAL & PROXIMITY SENSOR CONTROL PANS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
750671	Mid Line Control Pan Electric Box with Relay - For All Fuze Pro Proximity Sensor & Mechanical Switch Control Pans ▶ SINGLE PHASE 60/50 HZ	1.62	0.73	

CONTROL PANS

Fuze ProLine Feeders

FUZE PROLINE CONTROL PANS

WITH ***PROXIMITY Switch (0-60 sec. delay, adjustable sensitivity)***

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
455920	For FE1500RS Fuze ProLine Feeder 13" Standard Pan, 13 Spoke Grill	2.90	1.32	
455921	For FE1500RLS Fuze ProLine Feeder 13" Shallow Pan, 13 Spoke Grill	2.90	1.32	
455919	For FE1600RS Fuze ProLine Feeder 14" Standard Pan, 14 Spoke Grill	2.90	1.32	
455922	For FE1600RLS Fuze ProLine Feeder 14" Shallow Pan, 14 Spoke Grill	2.90	1.32	
455923	For FE1800RS Fuze ProLine Feeder 14" Standard Pan, 5 Spoke Grill	2.90	1.32	
455924	For FE1800RLS Fuze ProLine Feeder 14" Shallow Pan, 5 Spoke Grill	2.90	1.32	
820022	Bird Attracting LED Light For Control Pans (Universal)	0.88	0.40	

END CONTROL MOTOR MOUNT

FOR FUZE & FUZE PROLINE MECHANICAL & PROXIMITY SENSOR CONTROL PANS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
455960	End Control Motor Mount Plate With Electric Box - For All Fuze Pro Proximity Sensor Control Pans ▶ SINGLE PHASE 60/50 HZ	11.73	4.63	
455965	End Control Motor Mount Plate With Electric Box - For All Fuze Pro Proximity Sensor Control Pans ▶ 3-PHASE 60/50 HZ	8.70	3.95	

Note: 455900 or 455915 required for all Fuze & Fuze ProLine Proximity Sensor and Mechanical Control Pans used at end of feeder line.

MID LINE CONTROL PAN RELAY

FOR FUZE & FUZE PROLINE MECHANICAL & PROXIMITY SENSOR CONTROL PANS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
750671	Mid Line Control Pan Electric Box with Relay - For All Fuze Pro Proximity Sensor & Mechanical Switch Control Pans ▶ SINGLE PHASE 60/50 HZ	1.62	0.73	

CONTROL PANS FOR OTHER FEEDERS

CONTROL PANS - MECHANICAL SWITCH

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450950	End House Control Pan Unit With Mechanical Switch For All Feeders except Fuze and Fuze ProLine Feeders	17.14	7.8	
450975	Mid-House Control Pan For All Feeders except Fuze and Fuze ProLine Feeders	13.00	5.9	
450111	Mid-House Control Pan - Clamp-On Style For All Feeders	7.58	3.4	

CONTROL PANS - PROXIMITY SENSOR (END / MID-HOUSE)

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
455030	PX2 Feeder - 8 Spoke End/Mid-House Control Pan With Proximity Sensor	0.17	0.1	
455180	Hen Feeder for Chain Trough attachment. Includes all hardware.	3.76	1.7	
820022	Bird Attracting LED Light For Control Pans (Universal)	0.88	0.4	

END CONTROL MOTOR MOUNT FOR PROXIMITY SENSOR CONTROL PANS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450603	End Control Motor Mount Plate With Electric Box - For Proximity Sensor Control Pans - SINGLE PHASE 60/50 HZ	8.20	3.7	
450941	End Control Motor Mount Plate With Electric Box - For Proximity Sensor Control Pans - 3-PHASE 60/50 HZ	8.90	4.0	

*Note: 450603 or 450941 required for all Proximity Sensor Control Pans when used at end of feeder line.
 Not required for mechanical switch end control pans.*

DIRECT DRIVE UNITS

DIRECT DRIVE MOTOR & GEARBOX UNITS 60HZ - SINGLE PHASE - 115/230V

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450397	1/2 HP Direct Drive Motor & Gearbox - 226 RPM	40.60	18.4	
460025	1/2 HP Direct Drive Motor & Gearbox - 358 RPM	34.41	15.6	
450393	1/2 HP Direct Drive Motor & Gearbox - 441 RPM	35.52	16.1	
450287	1/2 HP Direct Drive Motor & Gearbox - 657 RPM	40.60	18.4	

DIRECT DRIVE MOTOR & GEARBOX UNITS 60HZ - 3 PHASE - 208-230/460V

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450391	1/2 HP Direct Drive Motor & Gearbox - 358 RPM	31.95	14.5	
450395	1/2 HP Direct Drive Motor & Gearbox - 441 RPM	31.66	14.4	

DIRECT DRIVE MOTOR & GEARBOX UNITS 50HZ - SINGLE PHASE - 115/230V

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450397	1/2 HP Direct Drive Motor & Gearbox - 187 RPM	40.60	18.4	
460025	1/2 HP Direct Drive Motor & Gearbox - 296 RPM	34.41	15.6	
450393	1/2 HP Direct Drive Motor & Gearbox - 368 RPM	35.52	16.1	
450287	1/2 HP Direct Drive Motor & Gearbox - 543 RPM	40.60	18.4	

DIRECT DRIVE MOTOR & GEARBOX UNITS 50HZ - 3 PHASE - 208-230/460V OR 190/380V

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450391	1/2 HP Direct Drive Motor & Gearbox - 296 RPM	31.95	14.5	
450395	1/2 HP Direct Drive Motor & Gearbox - 368 RPM	31.66	14.4	

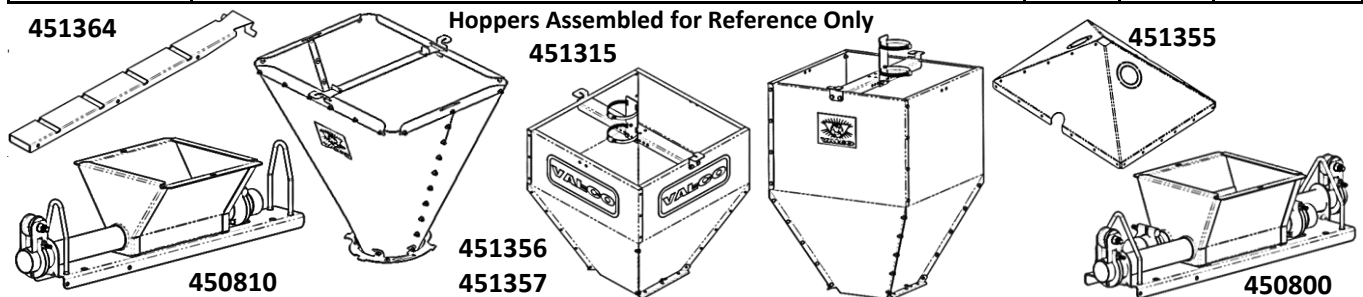
PINION SPACER TOOL

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
740517	Pinion Spacer - Field Tool	0.50	0.2	

BOOTS - FEED HOPPERS

BOOTS - HOPPERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
450810	Single Outlet Boot Assembly (use 100 or 200 lb. hopper only - do not use 90 lbs. hopper)	17.15	7.8	
450800	Double Outlet Boot Assembly (use 100 or 200 lb. hopper only - do not use 90 lbs. hopper)	27.20	12.3	
451315	100 lb. Capacity Feed Hopper, Slip-In	28.40	12.9	
451320	200 lb. Capacity Feed Hopper, Slip-In	35.00	15.9	
451022	100 lb. Extension for Galvanized Feed Hopper (for 451315 or 451320)	14.80	6.7	
450804	Cover for 100 lb. or 200 lb. Hopper	9.35	4.2	
450844	Cover Plate Only for 450016/450098 Boots (no feed hopper)	1.60	0.7	
451356	150 lb. Capacity Green Poly Feed Hopper Kit - Ships Cone Assembled	8.20	3.7	
451357	150 lb. Capacity Green Poly Feed Hopper Kit - Ships Cone Flat	30.50	13.8	
451355	150 lb. Capacity Poly Feed Hopper Lid - Green	6.34	2.9	
415543	Flared Adapter for Boot	0.54	0.2	
455078	Adapter Plate - CT Hopper to Val-Co Boot	0.00	0.0	
730375	Adapter Plate joins feed hopper to Flexible Auger lower boot	2.60	1.2	
BE82380	Single Hopper Base (Beacon Style - Use Only 90 lbs. Hopper Below)	10.50	4.8	
BE9441	Double Hopper Base (Beacon Style - Use Only 90 lbs. Hopper Below)	19.00	8.6	



HOPPER LEVEL CONTROL & BOOT SWITCH

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
720097	Adjustable-Mechanical hopper level control. 220V, 20amp, 1-3phase, 50-60hz	4.80	2.2	
455800	Boot Safety Switch, Proximity, adj. delay 0-60 sec., adj. sensitivity, 220v 50-60hz	3.96	1.8	
730965	Boot Safety Switch, Mechanical, Adjustable	1.13	0.5	
451364	Galv. Hanger for 720097 (Hopper Level Switch) - use with Poly Hopper	1.55	0.7	

* Boot Safety Switch required for augers running @ 657 RPM

Pan Feeders

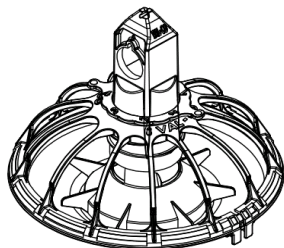
Fuze ProLine® Feeders with One Piece Towers

CATALOG #	ITEM DESCRIPTION	FEEDER	SHIP WEIGHT		LIST PRICE
			LBS.	KG.	
FE1500RS-1P	13" Fuze ProLine Standard Pan Assembly With 13 Spoke Grill	FLOOD	1.36	0.6	
FE1500RS-1PSO	With Shutoff		1.94	0.9	
FE1500RLS-1P	13" Fuze ProLine Shallow Pan Assembly With 13 Spoke Grill	FLOOD	1.36	0.6	
FE1500RLS-1PSO	With Shutoff		2.07	0.9	
FE1600RS-1P	14" Fuze ProLine Standard Pan Assembly With 14 Spoke Grill	FLOOD	1.49	0.7	
FE1600RS-1PSO	With Shutoff		2.07	0.9	
FE1600RLS-1P	14" Fuze ProLine Shallow Pan Assembly With 14 Spoke Grill	FLOOD	1.74	0.8	
FE1600RLS-1PSO	With Shutoff		2.07	0.9	
FE1800RS-1P	14" Fuze ProLine Standard Pan Assembly With 5 Spoke Grill	FLOOD	1.46	0.7	
FE1800RS-1PSO	With Shutoff		2.07	0.9	
FE1800RLS-1P	14" Fuze ProLine Shallow Pan Assembly With 5 Spoke Grill	FLOOD	1.70	0.8	
FE1800RLS-1PSO	With Shutoff		2.07	0.9	

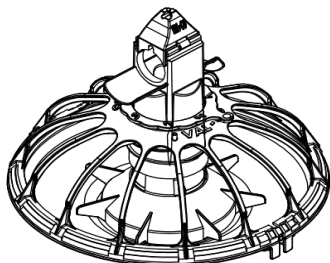
Fuze ProLine® Feeders with Two Piece Towers (Standard Top)

FE1500RS	13" Fuze ProLine Standard Pan Assembly With 13 Spoke Grill	FLOOD	2.40	1.1	
FE1500RS-SO	With Shutoff		1.96	0.9	
FE1500RLS	13" Fuze ProLine Shallow Pan Assembly With 13 Spoke Grill	FLOOD	2.10	1.0	
FE1500RLS-SO	With Shutoff		2.09	0.9	
FE1600RS	14" Fuze ProLine Standard Pan Assembly With 14 Spoke Grill	FLOOD	2.55	1.2	
FE1600RS-SO	With Shutoff		2.09	0.9	
FE1600RLS	14" Fuze ProLine Shallow Pan Assembly With 14 Spoke Grill	FLOOD	2.42	1.1	
FE1600RLS-SO	With Shutoff		2.09	0.9	
FE1800RS	14" Fuze ProLine Standard Pan Assembly With 5 Spoke Grill	FLOOD	2.29	1.0	
FE1800RS-SO	With Shutoff		2.09	0.9	
FE1800RLS	14" Fuze ProLine Shallow Pan Assembly With 5 Spoke Grill	FLOOD	2.42	1.1	
FE1800RLS-SO	With Shutoff		2.09	0.9	

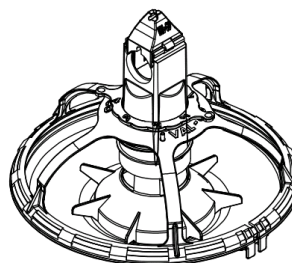
FE1500RLS-1P



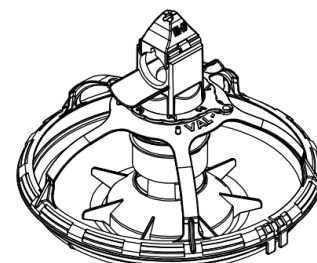
FE1600RLS-SO



FE1800RL



FE1800RS-SO

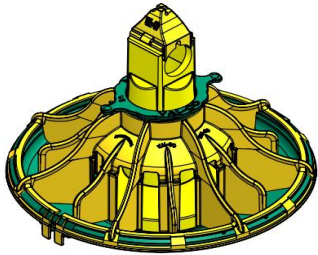


FUZE V Pan Feeders

Fuze V Feeders - Two Piece

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
451700	14" Fuze V Easy Access Pan Assembly no Shutoff	1.94	0.9	
451710	14" Fuze V Easy Access Pan Assembly w/ Shutoff	1.98	0.9	
451705	14" Fuze V Standard Pan Assembly no Shutoff	2.08	0.9	
451715	14" Fuze V Standard Pan Assembly w/ Shutoff	2.20	1.0	
451065	Feed Restriction PVC Extension Kit	0.22	0.1	

451700



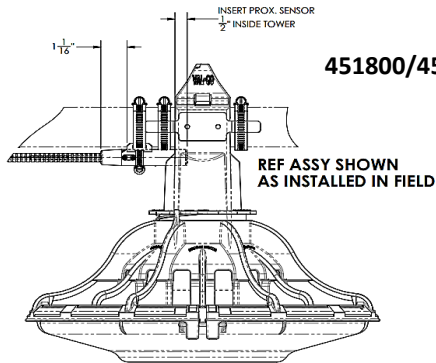
451065

451715

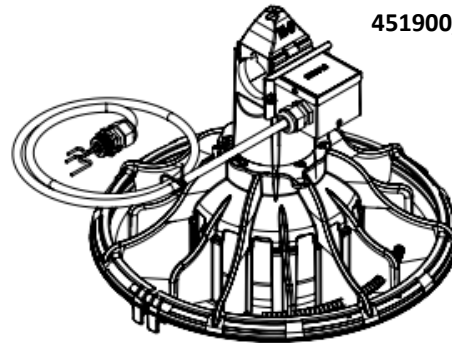


Fuze V Feeders - Two Piece Control Pans

451800	14" Fuze V Easy Access Proximity Control Pan Assembly no Shutoff	3.38	1.5	
451805	14" Fuze V Standard Proximity Control Pan Assembly no Shutoff	3.52	1.6	
451900	14" Fuze V Easy Access Mechanical Control Pan Assembly no Shutoff	2.66	1.2	
451905	14" Fuze V Standard Mechanical Control Pan Assembly no Shutoff	2.71	1.2	



451800/451805



451900/451905

Pan Feeders

Fuze ProLine® Feeders with One or Two Piece Towers (with Short Top For Broiler Cage Application)

FE1500RS-SLT	13" Fuze ProLine Low Top Standard Pan Assembly With Solid Tower and 13 Spoke Grill	FLOOD	1.36	0.6	
FE1500RS-SLTSO	with Shutoff		1.93	0.9	
FE1500RLS-SLT	13" Fuze ProLine Low Top Shallow Pan Assembly With Solid Tower and 13 Spoke Grill	FLOOD	1.36	0.6	
FE1500RLS-SLTSO	with Shutoff		2.06	0.9	
FE1500RS-LT	13" Fuze ProLine Low Top Standard Pan Assembly With Two Piece Tower and 13 Spoke Grill	FLOOD	1.36	0.6	
FE1500RS-LTSO	with Shutoff		1.36	0.6	
FE1500RLS-LT	13" Fuze ProLine Low Top Shallow Pan Assembly With Two Piece Tower and 13 Spoke Grill	FLOOD	1.36	0.6	
FE1500RLS-LTSO	with Shutoff		0.00	0.0	

PX Feeders

450730	PX2 Pan Feeder - 8 Spoke Grill (13" Pan)		1.70	0.8	
455060	PX2 Pan Feeder - 8 Spoke Grill (13" Pan) Includes Non-Swing Kit & Feed Volume Restrictor		2.05	0.9	

Repair Parts

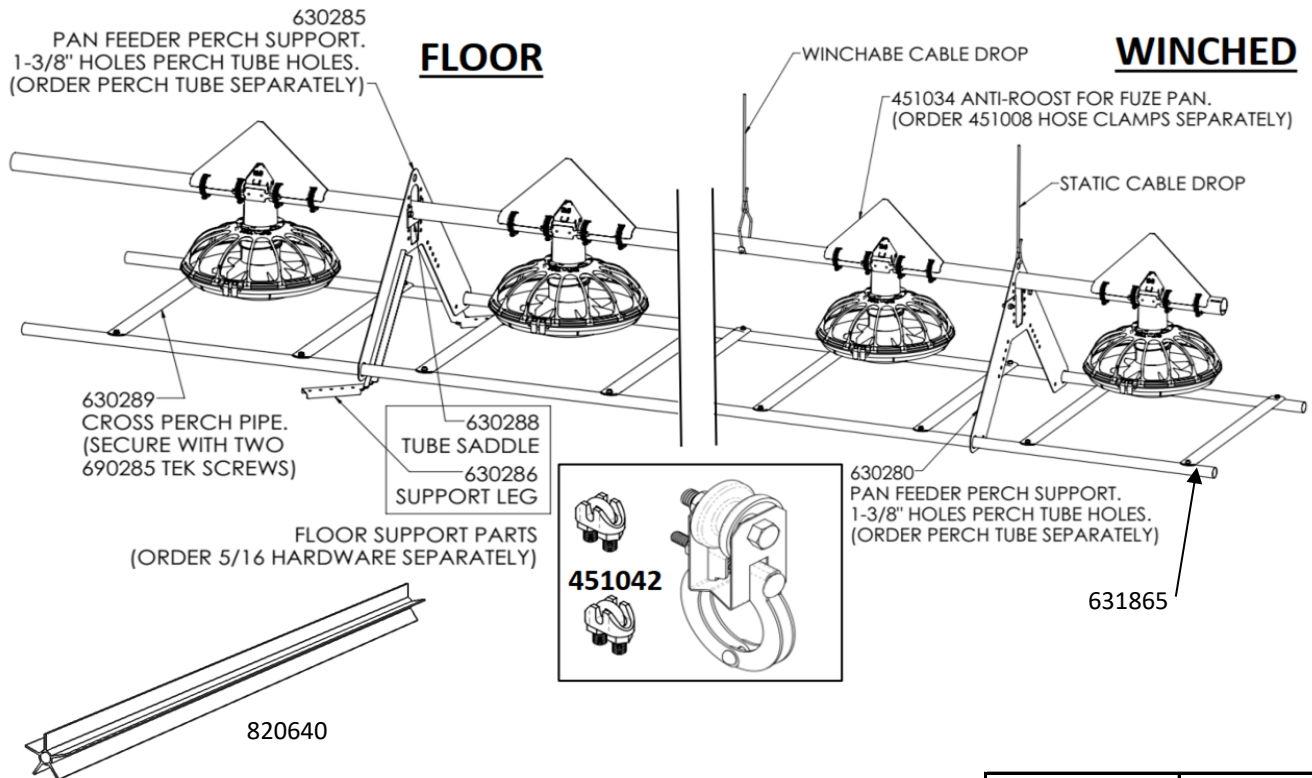
Fuze ProLine® Feeder Repair Parts

FE1510LS	13" Fuze Slotted Shallow Pan		0.74	0.3	
FE1510S	13" Fuze Slotted Standard Pan		0.61	0.3	
FE1520R	13" Fuze Pro Grill - 13 Spokes		0.36	0.2	
FE1530	Fuze Feeder Tower (For two piece tower)		0.33	0.1	
FE1550	Fuze Feeder Standard Top (For two piece tower)		0.05	0.0	
FE1551	Fuze Feeder Low Top (For two piece tower)		0.04	0.0	
FE1540	Fuze Adj Collar, Standard Pan		0.16	0.1	
FE1540S	Fuze Adj Collar, Shallow Pan		0.14	0.1	
FE1610LS	14" Fuze Slotted Shallow Pan		0.74	0.3	
FE1610S	14" Fuze Slotted Standard Pan		0.65	0.3	
FE1560	Fuze Feeder Grill Lock		0.00	0.0	

Parts & Accessories

Perch, Support & Anti-Roost

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
451042	Anti-Roost Insulator Bracket Assembly with 2 Cable Clamps	0.43	0.2	
450437	Spring for Anti-Roost Shocker Wire	0.13	0.1	
VG342	1/16" Anti-Roost Wire	0.01	0.0	
VC353	1/16" Clamp for Anti-Roost Wire	0.02	0.0	
451034	Fuze/PXP Pan Anti-Roost (<i>Requires [4] 451008 Clamps</i>)	0.95	0.4	
451008	1 3/4" SS Tube Clamp (<i>4 needed for 451034</i>)	0.05	0.0	
820640	Spinner, Stop Roost, 22" Long (Snaps onto Anti-Roost Wire)	0.27	0.1	
630285	Pan Feeder Perch Support - 1 Piece	2.82	1.3	
630286	Pan Feeder Perch Support Leg (2 needed for every floor mount)	0.98	0.4	
630280	Pan Feeder Perch Support - 2 Piece Kit	3.10	1.4	
631811	1.25" Dia Pipe Coupler Kit	0.72	0.3	
631865	1.25" OD x 20' 14GA Pipe with Holes	17.78	8.1	
631812	1.25" OD pipe Plug	0.02	0.0	
630289	Cross Perch Rail	3.90	1.8	
630288	Tube Saddle	0.90	0.4	
690285	Tek Screw - Hex Self-Drill Zinc Plated	0.01	0.0	

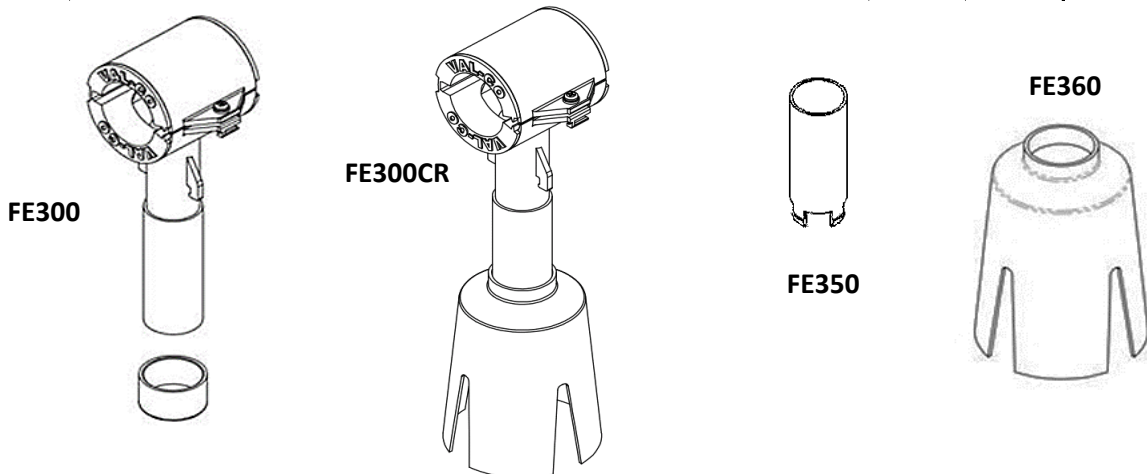


Fuze Anti-Swing Kit & Pullet Feed Restrictor

		SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
451011	Anti-Swing Kit for Smooth Tube (Includes two clamps) - FUZE	0.32	0.1	
451007	Anti-Swing Kit for Smooth Tube (Includes two clamps) - PXP	0.25	0.1	
451062	Anti-Swing Kit for Ribbed Tube (Includes two clamps) - FUZE	0.15	0.1	
451063	Anti-Swing Kit for Ribbed Tube (Includes two clamps) - PXP	0.14	0.1	
450594	Optional feed restrictor for all rooster feeders.	0.10	0.0	

CLEAN START CHICK FEEDER, BEST START CHICK FEEDER FEED TRAYS

BEST START CHICK FEEDER WITH STANDARD SPOUT		SHIP WEIGHT		LIST PRICE Each
		LBS.	KG.	
CATALOG #	ITEM DESCRIPTION			
FE300	Best Start Chick Feeder	0.37	0.17	
FE300CR	Best Start Chick Feeder with Crown Sleeve	0.35	0.16	
FE350	Hooked Extender for Best Start Chick Feeder	0.03	0.01	
FE360	Crown Sleeve for Best Start Chick Feeder	0.12	0.05	



BEST START II CHICK FEEDER and STANDARD EXTENSION		SHIP WEIGHT		LIST PRICE- Boxes of 50
		#N/A	KG.	
CATALOG #	ITEM DESCRIPTION			
820005	Basic Best Start II Chick Feeder, box of 50	9.85	4.47	
820006	Best Start II 3" (7.6cm) Extension Spout, box of 50	2.96	1.34	
820009-Q50	Best Start II 6" (15.2cm) Extension Spout, box of 50	5.10	2.31	
				List Price Ea.
820005-1	Basic Best Start II Chick Feeder, Single Piece	0.20	0.09	
820006-1	Best Start II 3" (7.6cm) Extension Spout, Single Piece	0.06	0.03	
820009	Best Start II 6" (15.2cm) Extension Spout, Single Piece	0.10	0.05	

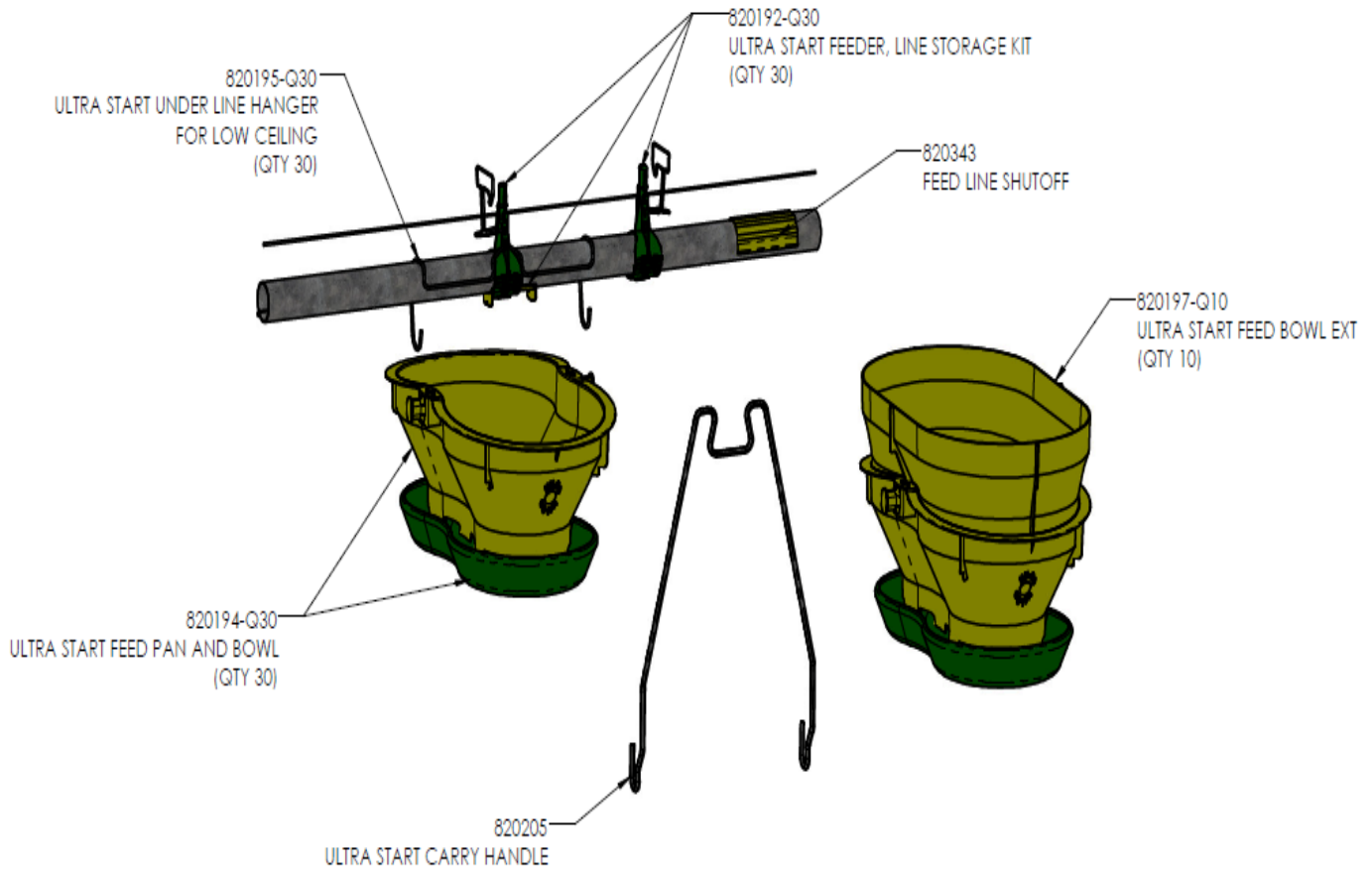


		SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
CATALOG #	ITEM DESCRIPTION			
820221-Q30	Clean Start Chick Feeder Complete. Box of 30 only.	27.45	12.45	
820446-Q30	Clean Start Feed Line Tube Shut Off. Bag of 30 only.	3.20	1.45	

UltraStart™ CHICK FEEDER

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
820194-Q30	UltraStart Chick Feeder Complete. Box of 30 only.	42.10	19.1	
820197-Q10	UltraStart Feed Bowl Extension. Box of 10 only.	6.84	3.1	
820446-Q30	Clean Start Feed Line Tube Shut Off. Bag of 30 only.	3.20	1.5	
820192-Q30	UltraStart Above Line Storage Kit. <u>(Includes feed line shut off.)</u> Box of 30 only.	4.85	2.2	
820195-Q30	UltraStart Underline hanger. Box of 30 only.	4.18	1.9	
820205	Ultra Start Carry Handle	0.13	0.1	

When Ordering Please Refer To The Diagram Below



FEED TUBES - SMOOTH TUBE

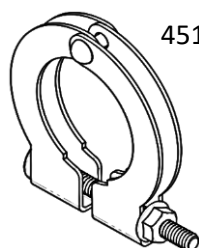
SMOOTH TUBES (Tube Clamps Required)		SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
CATALOG #	ITEM DESCRIPTION			
450224	9' Tube - 1 Hole	6.0	2.7	
450081	9' Tube - 2 Holes	6.0	2.7	
451033	9' Tube - 3 Holes	6.0	2.7	
450145	9' Tube - 4 Holes	6.4	2.9	
455076	9' Tube - 4 Holes + 4 Centered Best Start Holes	6.0	2.7	
451047	10' Tube - 0 Holes	8.0	3.6	
450082	10' Tube - 2 Holes	7.2	3.3	
450083	10' Tube - 3 Holes	7.2	3.3	
450084	10' Tube - 4 Holes	7.6	3.4	
450072	10' Tube - 3 Holes + 3 Centered Best Start Holes	7.2	3.3	
451032	10' Tube - 4 Holes + 2 Centered Best Start Holes	7.2	3.3	
450099	10' Tube - 4 Holes + 4 Centered Best Start Holes	7.2	3.3	

CONTROL SMOOTH TUBES (Tube Clamps Required)

455267	9' Tube - 1 Hole	6.8	3.1	
455269	9' Tube - 2 Holes	6.8	3.1	
455271	9' Tube - 3 Holes	6.8	3.1	
455202	9' Tube - 4 Holes	6.0	2.7	
455273	9' Tube - 4 Holes + 4 Centered Best Start Holes	6.8	3.1	
455275	10' Tube - 2 Holes	7.6	3.4	
455277	10' Tube - 3 Holes	7.6	3.4	
455205	10' Tube - 4 Holes	6.6	3.0	
455279	10' Tube - 3 Holes + 3 Centered Best Start Holes	7.5	3.4	
455281	10' Tube - 4 Holes + 2 Centered Best Start Holes	7.5	3.4	
455283	10' Tube - 4 Holes + 4 Centered Best Start Holes	7.5	3.4	

TUBE CLAMP, ANTI-SWING & HANGERS

451040	1 3/4" Feeder Tube Clamp - (Ribbed & Smooth)	0.2	0.1	
450123	Tube Hanger - for Smooth Tube	0.1	0.1	
450076	Tube Hanger - Scissors Type for Smooth Tube Only	0.3	0.1	
451062	Anti-Swing Kit for Ribbed Tube (Includes two clamps) - FUZE	0.2	0.1	
451011	Anti-Swing Kit for Smooth Tube (Includes two clamps) - FUZE	0.3	0.1	

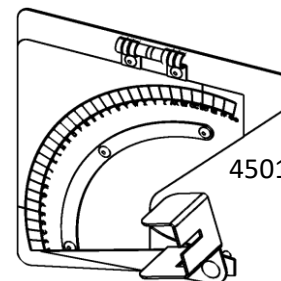
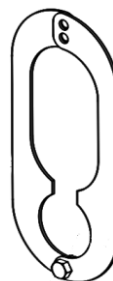


451040



450123

450076



450135

Gauge

450135	Gauge for Tube Indexing	2.1	0.9	
451085	Tube Hanger - for Smooth Tube	0.2	0.1	

FEED TUBES - RIBBED TUBE

RIBBED TUBES (Tube Clamps Required)

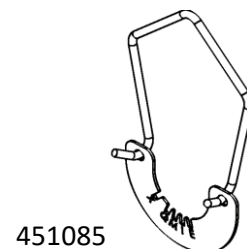
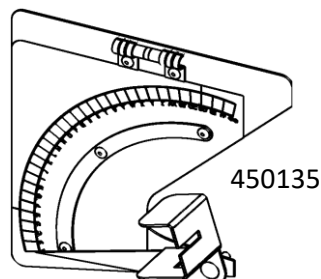
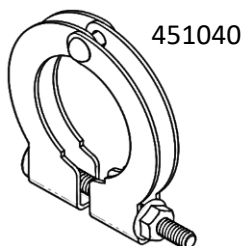
455626	9' Tube - 3 Holes	7.5	3.4	
450920	9' Tube - 4 Holes	7.4	3.4	
455627	9' Tube - 3 Holes + 3 Centered Best Start Holes	7.5	3.4	
451031	9' Tube - 4 Holes + 2 Centered Best Start Holes	7.4	3.4	
450921	9' Tube - 4 Holes + 4 Centered Best Start Holes	7.4	3.4	
451000	10' Tube - No Holes	8.2	3.7	
450908	10' Tube - 2 Holes	8.2	3.7	
450909	10' Tube - 3 Holes	8.2	3.7	
450910	10' Tube - 4 Holes	8.2	3.7	
450911	10' Tube - 3 Holes + 3 Centered Best Start Holes	8.2	3.7	
455625	10' Tube - 4 Holes + 2 Centered Best Start Holes	8.2	3.7	
450913	10' Tube - 4 Holes + 4 Centered Best Start Holes	8.2	3.7	
451005	12' Tube - 3 Holes	10.9	4.9	
451005-Q120	12' Tube - 3 Holes - 120 Piece Skid Quantity	1,164.0	528.0	
450924	12' Tube - 4 Holes	9.7	4.4	
450924-Q120	12' Tube - 4 Holes - 120 Piece Skid Quantity	1,164.0	528.0	
450925	12' Tube - 5 Holes	9.7	4.4	
450925-Q120	12' Tube - 5 Holes - 120 Piece Skid Quantity	1,164.0	528.0	
450926	12' Tube - 4 Holes + 4 Centered Best Start Holes	9.7	4.4	
450926-Q120	12' Tube - 4 Holes + 4 Centered Best Start Holes - QTY 120	1,164.0	528.0	
450928	12' Tube - 5 Holes + 5 Centered Best Start Holes	9.7	4.4	
450928-Q120	12' Tube - 5 Holes + 5 Centered Best Start Holes - QTY 120	1,164.0	528.0	

CONTROL RIBBED TUBES (Tube Clamps Required)

455628	9' Tube - 3 Holes	7.5	3.4	
455219	9' Tube - 4 Holes	7.4	3.4	
455629	9' Tube - 3 Holes + 3 Centered Best Start Holes	7.5	3.4	
455630	9' Tube - 4 Holes + 2 Centered Best Start Holes	7.4	3.4	
455223	10' Tube - 4 Holes	8.2	3.7	
455624	10' Tube - 4 Holes + 2 Centered Best Start Holes	8.2	3.7	
455248	10' Tube - 4 Holes + 4 Centered Best Start Holes	8.2	3.7	

TUBE CLAMP & HANGERS

451040	1 3/4" Feeder Tube Clamp - (Ribbed & Smooth)	0.2	0.1	
450826	Tube Hanger - for Ribbed Tube	0.1	0.1	



Gauge

450135	Gauge for Tube Indexing	2.1	0.9	
451085	Tube Hanger for Index Line	0.2	0.1	

AUGER

AUGER		SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
CATALOG #	ITEM DESCRIPTION			
450450-205	205' Roll - 1.438" O.D. Auger	71.8	32.5	
450450-225	225' Roll - 1.438" O.D. Auger	78.8	35.7	
450450-245	245' Roll - 1.438" O.D. Auger	85.8	38.9	
450450-265	265' Roll - 1.438" O.D. Auger	92.8	42.1	
450450-285	285' Roll - 1.438" O.D. Auger	99.8	45.2	
450450-305	305' Roll - 1.438" O.D. Auger	106.8	48.4	
450450-325	325' Roll - 1.438" O.D. Auger	113.8	51.6	
450450-345	345' Roll - 1.438" O.D. Auger	120.8	54.8	
450450-365	365' Roll - 1.438" O.D. Auger	127.8	57.9	
450450-385	385' Roll - 1.438" O.D. Auger	134.8	61.1	
450450-405	405' Roll - 1.438" O.D. Auger	141.5	64.2	
450450-425	425' Roll - 1.438" O.D. Auger	148.8	67.5	
450450-445	445' Roll - 1.438" O.D. Auger	155.8	70.6	
450450-465	465' Roll - 1.438" O.D. Auger	162.8	73.8	
450450-485	485' Roll - 1.438" O.D. Auger	169.8	77.0	
450450-505	505' Roll - 1.438" O.D. Auger	176.8	80.2	
450450-540	540' Roll - 1.438" O.D. Auger	189.0	85.7	
450450-565	565' Roll - 1.438" O.D. Auger	198.0	89.8	
450450-600	600' Roll - 1.438" O.D. Auger	210.0	95.3	
450450-650	650' Roll - 1.438" O.D. Auger	227.5	103.2	

Auger must be ordered in full length rolls.



POULTRY - 2/3/4 PANS PER 9' TUBE - SINGLE BOOT / END FILL

Feed Line Length	Feed Line Length	Items to Select											Anti-Roost		
		End House Control Pan	1/2 HP Motor & Gearbox	Feed Hopper	Single Outlet Boot	Pan Feeder Assy (Page 17-07 for options)			9' Tube	1.75" Tube Clamp (Ribbed or Smooth)	1.75" Tube Hanger Ribbed - 450826 Smooth - 450123 / 450076	1.438" OD Auger (Feet)	Insulator Bracket & Clamp	Spring for Anti-Roost Wire	1/16" Anti-Roost Wire
Feet	Meter				450810	2 Pan	3 Pan	4 Pan		451040		450450-	451042	450437	VG342
108	33	1	1	1	1	24	36	48	12	11	14	108	2	2	130
117	36	1	1	1	1	26	39	52	13	12	15	117	2	2	140
126	39	1	1	1	1	28	42	56	14	13	16	126	2	2	150
135	42	1	1	1	1	30	45	60	15	14	17	135	2	2	160
144	45	1	1	1	1	32	48	64	16	15	18	144	3	3	170
153	48	1	1	1	1	34	51	68	17	16	20	153	3	3	180
162	51	1	1	1	1	36	54	72	18	17	21	162	3	3	190
171	54	1	1	1	1	38	57	76	19	18	22	171	3	3	200
180	57	1	1	1	1	40	60	80	20	19	23	180	3	3	200
189	60	1	1	1	1	42	63	84	21	20	24	189	4	4	210
198	63	1	1	1	1	44	66	88	22	21	25	198	4	4	220
207	66	1	1	1	1	46	69	92	23	22	26	207	4	4	230
216	69	1	1	1	1	48	72	96	24	23	27	216	4	4	240
225	72	1	1	1	1	50	75	100	25	24	29	225	4	4	250
234	75	1	1	1	1	52	78	104	26	25	30	234	5	5	260
243	78	1	1	1	1	54	81	108	27	26	31	243	5	5	270
252	81	1	1	1	1	56	84	112	28	27	32	252	5	5	280
261	84	1	1	1	1	58	87	116	29	28	33	261	5	5	290
270	87	1	1	1	1	60	90	120	30	29	34	270	5	5	290
279	90	1	1	1	1	62	93	124	31	30	35	279	6	6	300
288	93	1	1	1	1	64	96	128	32	31	36	288	6	6	310
297	96	1	1	1	1	66	99	132	33	32	38	297	6	6	320
306	99	1	1	1	1	68	102	136	34	33	39	306	6	6	330
315	102	1	1	1	1	70	105	140	35	34	40	315	6	6	340
324	105	1	1		1	72	108	144	36	35	41	324	7	7	350
333	108	1	1	1	1	74	111	148	37	36	42	333	7	7	360
342	111	1	1	1	1	76	114	152	38	37	43	342	7	7	370
351	114	1	1	1	1	78	117	156	39	38	44	351	7	7	380
360	117	1	1	1	1	80	120	160	40	39	45	360	7	7	380
369	120	1	1	1	1	82	123	164	41	40	47	369	8	8	390
378	123	1	1	1	1	84	126	168	42	41	48	378	8	8	400
387	126	1	1	1	1	86	129	172	43	42	49	387	8	8	410
396	129	1	1	1	1	88	132	176	44	43	50	396	8	8	420
405	132	1	1	1	1	90	135	180	45	44	51	405	8	8	430
414	135	1	1	1	1	92	138	184	46	45	52	414	9	9	440
423	138	1	1	1	1	94	141	188	47	46	53	423	9	9	450
432	141	1	1	1	1	96	144	192	48	47	54	432	9	9	460
441	144	1	1	1	1	98	147	196	49	48	56	441	9	9	470
450	147	1	1	1	1	100	150	200	50	49	57	450	9	9	470
459	150	1	1	1	1	102	153	204	51	50	58	459	10	10	480
468	153	1	1	1	1	104	156	208	52	51	59	468	10	10	490
477	156	1	1	1	1	106	159	212	53	52	60	477	10	10	500
486	159	1	1	1	1	108	162	216	54	53	61	486	10	10	510
495	162	1	1	1	1	110	165	220	55	54	62	495	10	10	520
504	165	1	1	1	1	112	168	224	56	55	63	504	11	11	530



POULTRY - 2/3/4 PANS PER 9' TUBE - DOUBLE BOOT / CENTER FILL

Feed Line Length	Feed Line Length	Items to Select											Anti-Roost		
		End House Control Pan	1/2 HP Motor & Gearbox	Feed Hopper	Double Outlet Boot	Pan Feeder Assy			9' Tube	1.75" Tube Clamp (Ribbed or Smooth)	1.75" Tube Hanger Ribbed - 450826 Smooth - 450123 / 450076	1.438" OD Auger (Feet)	Insulator Bracket & Clamp	Spring for Anti-Roost Wire	1/16" Anti-Roost Wire
Feet	Meter				450800	2 Pan	3 Pan	4 Pan		451040		450450-	451042	450437	VG342
198	60	2	2	1	1	44	66	88	22	18	25	198	4	4	220
207	63	2	2	1	1	46	69	92	23	19	26	207	4	4	230
216	66	2	2	1	1	48	72	96	24	20	27	216	4	4	240
225	69	2	2	1	1	50	75	100	25	21	28	225	4	4	250
234	72	2	2	1	1	52	78	104	26	22	29	234	4	4	260
243	75	2	2	1	1	54	81	108	27	23	30	243	4	4	270
252	78	2	2	1	1	56	84	112	28	24	32	252	4	4	280
261	81	2	2	1	1	58	87	116	29	25	33	261	4	4	290
270	84	2	2	1	1	60	90	120	30	26	34	270	4	4	290
279	87	2	2	1	1	62	93	124	31	25	35	279	6	6	300
288	90	2	2	1	1	64	96	128	32	26	36	288	6	6	310
297	93	2	2	1	1	66	99	132	33	27	37	297	6	6	320
306	96	2	2	1	1	68	102	136	34	28	38	306	6	6	330
315	99	2	2	1	1	70	105	140	35	29	39	315	6	6	340
324	102	2	2	1	1	72	108	144	36	30	41	324	6	6	350
333	105	2	2	1	1	74	111	148	37	31	42	333	6	6	360
342	108	2	2	1	1	76	114	152	38	32	43	342	6	6	370
351	111	2	2	1	1	78	117	156	39	33	44	351	6	6	380
360	114	2	2	1	1	80	120	160	40	34	45	360	6	6	380
369	117	2	2	1	1	82	123	164	41	33	46	369	8	8	390
378	120	2	2	1	1	84	126	168	42	34	47	378	8	8	400
387	123	2	2	1	1	86	129	172	43	35	48	387	8	8	410
396	126	2	2	1	1	88	132	176	44	36	50	396	8	8	420
405	129	2	2	1	1	90	135	180	45	37	51	405	8	8	430
414	132	2	2		1	92	138	184	46	38	52	414	8	8	440
423	135	2	2	1	1	94	141	188	47	39	53	423	8	8	450
432	138	2	2	1	1	96	144	192	48	40	54	432	8	8	460
441	141	2	2	1	1	98	147	196	49	41	55	441	8	8	470
450	144	2	2	1	1	100	150	200	50	42	56	450	8	8	470
459	147	2	2	1	1	102	153	204	51	41	57	459	10	10	480
468	150	2	2	1	1	104	156	208	52	42	59	468	10	10	490
477	153	2	2	1	1	106	159	212	53	43	60	477	10	10	500
486	156	2	2	1	1	108	162	216	54	44	61	486	10	10	510
495	159	2	2	1	1	110	165	220	55	45	62	495	10	10	520
504	162	2	2	1	1	112	168	224	56	46	63	504	10	10	530
513	165	2	2	1	1	114	171	228	57	47	64	513	10	10	540
522	168	2	2	1	1	116	174	232	58	48	65	522	10	10	550
531	171	2	2	1	1	118	177	236	59	49	66	531	10	10	560
540	174	2	2	1	1	120	180	240	60	50	68	540	10	10	560
549	177	2	2	1	1	122	183	244	61	49	69	549	12	12	570
558	180	2	2	1	1	124	186	248	62	50	70	558	12	12	580
567	183	2	2	1	1	126	189	252	63	51	71	567	12	12	590
576	186	2	2	1	1	128	192	256	64	52	72	576	12	12	600
585	189	2	2	1	1	130	195	260	65	53	73	585	12	12	610
594	192	2	2	1	1	132	198	264	66	54	74	594	12	12	620



POULTRY - 2/3/4 PANS PER 10' TUBE - SINGLE BOOT / END FILL

Feed Line Length	Feed Line Length	Items to Select											Anti-Roost		
		End House Control Pan	1/2 HP Motor & Gearbox	Feed Hopper	Single Outlet Boot	Pan Feeder Assy			10' Tube	1.75" Tube Clamp (Ribbed or Smooth)	1.75" Tube Hanger Ribbed - 450826 Smooth - 450123 / 450076	1.438" OD Auger (Feet)	Insulator Bracket & Clamp	Spring for Anti-Roost Wire	1/16" Anti-Roost Wire
Feet	Meter				450810	2 Pan	3 Pan	4 Pan		451040		450450-	451042	450437	VG342
60	18	1	1	1	1	12	18	24	6	5	8	60	1	1	80
70	21	1	1	1	1	14	21	28	7	6	9	70	1	1	90
80	24	1	1	1	1	16	24	32	8	7	10	80	1	1	100
90	28	1	1	1	1	18	27	36	9	8	11	90	1	1	110
100	31	1	1	1	1	20	30	40	10	9	13	100	1	1	120
110	34	1	1	1	1	22	33	44	11	9	14	110	2	2	130
120	37	1	1	1	1	24	36	48	12	10	15	120	2	2	140
130	40	1	1	1	1	26	39	52	13	11	16	130	2	2	150
140	43	1	1	1	1	28	42	56	14	12	18	140	2	2	160
150	46	1	1	1	1	30	45	60	15	13	19	150	2	2	170
160	49	1	1	1	1	32	48	64	16	13	20	160	3	3	180
170	52	1	1	1	1	34	51	68	17	14	21	170	3	3	190
180	55	1	1	1	1	36	54	72	18	15	23	180	3	3	200
190	58	1	1	1	1	38	57	76	19	16	24	190	3	3	210
200	61	1	1	1	1	40	60	80	20	17	25	200	3	3	220
210	64	1	1	1	1	42	63	84	21	17	26	210	4	4	230
220	67	1	1	1	1	44	66	88	22	18	28	220	4	4	240
230	70	1	1	1	1	46	69	92	23	19	29	230	4	4	250
240	73	1	1	1	1	48	72	96	24	20	30	240	4	4	260
250	76	1	1	1	1	50	75	100	25	21	31	250	4	4	270
260	79	1	1	1	1	52	78	104	26	21	33	260	5	5	280
270	82	1	1	1	1	54	81	108	27	22	34	270	5	5	290
280	85	1	1	1	1	56	84	112	28	23	35	280	5	5	300
290	88	1	1	1	1	58	87	116	29	24	36	290	5	5	310
300	92	1	1	1	1	60	90	120	30	25	38	300	5	5	320
310	95	1	1	1	1	62	93	124	31	25	39	310	6	6	330
320	98	1	1	1	1	64	96	128	32	26	40	320	6	6	340
330	101	1	1	1	1	66	99	132	33	27	41	330	6	6	350
340	104	1	1	1	1	68	102	136	34	28	43	340	6	6	360
350	107	1	1	1	1	70	105	140	35	29	44	350	6	6	370
360	110	1	1	1	1	72	108	144	36	29	45	360	7	7	380
370	113	1	1	1	1	74	111	148	37	30	46	370	7	7	390
380	116	1	1	1	1	76	114	152	38	31	48	380	7	7	400
390	119	1	1	1	1	78	117	156	39	32	49	390	7	7	410
400	122	1	1	1	1	80	120	160	40	33	50	400	7	7	420
410	125	1	1	1	1	82	123	164	41	33	51	410	8	8	430
420	128	1	1	1	1	84	126	168	42	34	53	420	8	8	440
430	131	1	1	1	1	86	129	172	43	35	54	430	8	8	450
440	134	1	1	1	1	88	132	176	44	36	55	440	8	8	460
450	137	1	1	1	1	90	135	180	45	37	56	450	8	8	470
460	140	1	1	1	1	92	138	184	46	37	58	460	9	9	480
470	143	1	1	1	1	94	141	188	47	38	59	470	9	9	490
480	146	1	1	1	1	96	144	192	48	39	60	480	9	9	500
490	149	1	1	1	1	98	147	196	49	40	61	490	9	9	510
500	153	1	1	1	1	100	150	200	50	41	63	500	9	9	520



POULTRY- 2/3/4 PANS PER 10' TUBE - DOUBLE BOOT / CENTER FILL

Feed Line Length Feet	Feed Line Length Meter	Items to Select											Anti-Roost		
		End House Control Pan	1/2 HP Motor & Gearbox	Feed Hopper	Double Outlet Boot 450800	Pan Feeder Assy (Page 17-07 for options)			10' Tube	1.75" Tube Clamp (Ribbed or Smooth)	1.75" Tube Hanger Ribbed - 450826 Smooth - 450123 / 450076	1.438" OD Auger (Feet)	Insulator Bracket & Clamp 451042	Spring for Anti-Roost Wire 450437	1/16" Anti-Roost Wire VG342
160	49	2	2	1	1	32	48	64	16	14	20	160	2	2	180
170	52	2	2	1	1	34	51	68	17	15	21	170	2	2	190
180	55	2	2	1	1	36	54	72	18	16	23	180	2	2	200
190	58	2	2	1	1	38	57	76	19	17	24	190	2	2	210
200	61	2	2	1	1	40	60	80	20	18	25	200	2	2	220
210	64	2	2	1	1	42	63	84	21	19	26	210	4	4	230
220	67	2	2	1	1	44	66	88	22	20	28	220	4	4	240
230	70	2	2	1	1	46	69	92	23	21	29	230	4	4	250
240	73	2	2	1	1	48	72	96	24	22	30	240	4	4	260
250	76	2	2	1	1	50	75	100	25	23	31	250	4	4	270
260	79	2	2	1	1	52	78	104	26	24	33	260	4	4	280
270	82	2	2	1	1	54	81	108	27	25	34	270	4	4	290
280	85	2	2	1	1	56	84	112	28	26	35	280	4	4	300
290	88	2	2	1	1	58	87	116	29	27	36	290	4	4	310
300	92	2	2	1	1	60	90	120	30	28	38	300	4	4	320
310	95	2	2	1	1	62	93	124	31	29	39	310	6	6	330
320	98	2	2	1	1	64	96	128	32	30	40	320	6	6	340
330	101	2	2	1	1	66	99	132	33	31	41	330	6	6	350
340	104	2	2	1	1	68	102	136	34	32	43	340	6	6	360
350	107	2	2	1	1	70	105	140	35	33	44	350	6	6	370
360	110	2	2	1	1	72	108	144	36	34	45	360	6	6	380
370	113	2	2	1	1	74	111	148	37	35	46	370	6	6	390
380	116	2	2	1	1	76	114	152	38	36	48	380	6	6	400
390	119	2	2	1	1	78	117	156	39	37	49	390	6	6	410
400	122	2	2	1	1	80	120	160	40	38	50	400	6	6	420
410	125	2	2	1	1	82	123	164	41	39	51	410	8	8	430
420	128	2	2	1	1	84	126	168	42	40	53	420	8	8	440
430	131	2	2	1	1	86	129	172	43	41	54	430	8	8	450
440	134	2	2	1	1	88	132	176	44	42	55	440	8	8	460
450	137	2	2	1	1	90	135	180	45	43	56	450	8	8	470
460	140	2	2	1	1	92	138	184	46	44	58	460	8	8	480
470	143	2	2	1	1	94	141	188	47	45	59	470	8	8	490
480	146	2	2	1	1	96	144	192	48	46	60	480	8	8	500
490	149	2	2	1	1	98	147	196	49	47	61	490	8	8	510
500	153	2	2	1	1	100	150	200	50	48	63	500	8	8	520
510	156	2	2	1	1	102	153	204	51	49	64	510	10	10	530
520	159	2	2	1	1	104	156	208	52	50	65	520	10	10	540
530	162	2	2	1	1	106	159	212	53	51	66	530	10	10	550
540	165	2	2	1	1	108	162	216	54	52	68	540	10	10	560
550	168	2	2	1	1	110	165	220	55	53	69	550	10	10	570
560	171	2	2	1	1	112	168	224	56	54	70	560	10	10	580
570	174	2	2	1	1	114	171	228	57	55	74	570	10	10	590
580	177	2	2	1	1	116	174	232	58	56	73	580	10	10	600
590	180	2	2	1	1	118	177	236	59	57	74	590	10	10	610
600	183	2	2	1	1	120	180	240	60	58	75	600	10	10	620