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## **SECTION 09**

# **CENTER BELT NESTS**

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### **REPAIRS**

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## **CENTER BELT NESTS**

### **HOW TO ORDER A CENTER BELT MECHANICAL NEST & EGG COLLECTION SYSTEM**

1. Select one collection table for each nest row based on electric requirements and overall nest row length.
2. Select one collection tray (right-left-dual) for each collection table.
3. Select one 413180 Dual Roller End Return for each collection table.
4. Determine the correct quantity of 413000 Nests needed based on nests per station and connector length.
5. Select one Nest Pad set for each nest.
6. Determine the quantity and select the roll length of cloth or perforated polypropylene 8" egg belt needed.
7. Select one 410185 Glue Kit per two rows of nests when using cloth egg belt.
8. Select one 410127 Sewing Kit for per two rows of nests when using cloth egg belt.
9. When polypropylene egg belt is used, select two 413552 Splicing Strapping for each nest row.
10. When using polypropylene egg belt, select one 412539 Egg Belt Take Up Tensioner Kit for each collection table.
11. Determine the length required for each nest-to-table connector, then select one connector trough & cover unit for each collection table.
12. Determine the length of nest-to-nest connector needed based on the crossover space required and/or nest row length, then select the quantity of connector trough & cover units required.

#### **WOOD PERCH OPTION**

1. Select one 413060 Perch Arm Set for each nest.
2. Select one 413065 Perch Board Set for each nest.

#### **PLASTIC PERCH OPTION**

1. Select one 410618 Plastic Perch Kit for each nest.



## CENTER BELT MECHANICAL NEST & EGG COLLECTION

### COLLECTION TABLES

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413461	1hp 8" Egg Belt Drive 230v	185.0	83.9	
414060	Egg Colelction Table	188.0	85.3	
413539	Polypropylene Slack Belt Tension / Take Up Kit (Used only for Polypropylene egg collection belts)	111	50.3	

### FAR END RETURN ASSY

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413180	Dual Roller End Return Assembly	20.1	9.1	

### 8" EGG BELT-Polypropylene

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413551-0820	8" polypropylene egg belt - 820' Roll	78.6	35.7	
413551-1020	8" polypropylene egg belt - 1020' Roll	97.8	44.4	
413551-1220	8" polypropylene egg belt - 1220' Roll	117.0	53.1	

### 8" EGG BELT-Cloth

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413450-0820	8" Egg Belt - 820' Roll	80.0	36.3	
413450-1020	8" Egg Belt - 1020' Roll	97.4	44.2	
413450-1220	8" Egg Belt - 1220' Roll	113.0	51.3	
413550	8" Egg Belt - 1220' Roll (Tan color)	113.0	51.3	

### EGG BELT ACCESSORIES

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413552	Splicing Strapping for polypropylene egg belt	0.0	0.0	
410185	Glue Kit for Egg Belt (includes 1 - #410186 Hot Glue Gun and 6 - #410187 Hot Glue Sticks)	1.2	0.5	
410127	Sewing Kit for Egg Belt (includes 1 - #410940 3" Belt Needle & 1 - #410941 81' Spool Wax Thread)	0.1	0.0	

### MECHANICAL NEST & NEST PADS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413000	Basic 12 Hole Mechanical Nest (Wide Style) With Wire Nest Bottoms - Nest Pads Not Included - select & order below - Perch Arms and/or Perch Boards or Plastic Perch Kits Are Optional - if needed select & order from page 09-04	84.6	38.4	
413081	Set of Gray Val-Co Nest Turf Pads (12 - #413069 12" x 13" pads per set)	6.3	2.9	
413253	Astroturf® NXT turf pad for center belt nest	0.5	0.2	
413254	Astroturf® NXT turf pad set of 12 for double center belt nest section	6.0	2.7	
413055	Set of Original Astroturf® Nest Pads (12 - #413015 12" x 13" pads per set)	6.6	3.0	



## CENTER BELT MECHANICAL NEST & EGG COLLECTION

### PERCH OPTIONS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LIST PRICE
		LBS.	KG.	
413060	Set of Galvanized Perch Arms for Nest <i>Each set includes the following:</i> - 410631 Perch Arm (4) - 410630 Arm Support (4) - 413019 Hardware Bag (1)	5.3	2.4	
413065	Set of Perch Boards for Nest <i>Each set includes the following:</i> - 410632 Perch Board (10)	17.1	7.8	
410618	Optional Plastic Perch Kit With Mounting Hardware <i>Each set includes 4 perch ramps with 12 mounting brackets</i>	6.5	2.9	

### NEST-TO-TABLE CONNECTOR TROUGHS & COVERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LISTPRICE
		LBS.	KG.	
410799	72" Nest-to-Table Connector Trough & Cover <i>(410778 Trough + 410779 Cover + 2 - 410759 Belt Guides)</i>	17.3	7.8	
410832	96" Nest-to-Table Connector Trough & Cover <i>(410833 Trough + 410825 Cover + 2 - 410759 Belt Guides)</i>	21.4	9.7	

### NEST-TO-NEST CONNECTOR TROUGHS & COVERS

CATALOG #	ITEM DESCRIPTION	SHIP WEIGHT		LISTPRICE
		LBS.	KG.	
413091	12" Nest-to-Nest Connector Trough With Cover <i>(413092 Trough + 413093 Cover)</i>	4.7	2.1	
410943	18" Nest-to-Nest Connector Trough With Cover <i>(410938 Trough + 410939 Cover)</i>	6.7	3.0	
410796	24" Nest-to-Nest Connector Trough With Cover <i>(410761 Trough + 410763 Cover + 410759 Belt Guide)</i>	7.2	3.3	
410627	28" Nest-to-Nest Connector Trough With Cover <i>(410628 Trough + 410629 Cover + 410759 Belt Guide)</i>	6.7	3.0	
410797	30" Nest-to-Nest Connector Trough With Cover <i>(410792 Trough + 410793 Cover + 410759 Belt Guide)</i>	7.2	3.3	
410798	36" Nest-to-Nest Connector Trough With Cover <i>(410794 Trough + 410795 Cover + 410759 Belt Guide)</i>	8.6	3.9	
410878	42" Nest-to-Nest Connector Trough With Cover <i>(410876 Trough + 410877 Cover+ 410759 Belt Guide)</i>	10.8	4.9	
410883	48" Nest-to-Nest Connector Trough With Cover <i>(410881 Trough + 410882 Cover + 410759 Belt Guide)</i>	11.6	5.3	
410886	54" Nest-to-Nest Connector Trough With Cover <i>(410884 Trough + 410885 Cover + 2 - 410759 Belt Guides)</i>	13.0	5.9	
410859	60" Nest-to-Nest Connector Trough With Cover <i>(410860 Trough + 410861 Cover + 2 - 410759 Belt Guides)</i>	14.5	6.6	
410880	72" Nest-to-Nest Connector Trough With Cover <i>(410879 Trough + 410779 Cover + 2 - 410759 Belt Guides)</i>	17.3	7.8	
410823	96" Nest-to-Nest Connector Trough With Cover <i>(410824 Trough + 410825 Cover + 3 - 410759 Belt Guides)</i>	23.1	10.5	



## CENTER BELT MECHANICAL NEST & EGG COLLECTION SYSTEM SYSTEM REQUIREMENTS

### 2 Nest Rows - 18" Connectors

CATALOG NUMBER	ITEM DESCRIPTION	LENGTH OF SLATS (FT)																	
		175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
CHOOSE	.50 HP Collection Table	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
CHOOSE	.75 HP Collection Table	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
425028 425029 425030	Right Side Collection Tray Left Side Collection Tray Dual Side Collection Tray	Select - 2 Required (1 Per Table)																	
413180	Dual Roller End Return Assy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Order By Full Roll	8" Egg Belt (total feet)	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
413000	12 Hole Nest	56	68	76	84	92	100	108	120	128	136	144	152	160	172	180	188	196	204
Refer to pg. 3	Pad Options on pg. 3	Select - 1 Set Required Per Nest																	
413060	Set of Perch Arms	Optional - 1 Set Required Per Nest																	
413065	Set of Perch Boards	Optional - 1 Set Required Per Nest																	
410618	Plastic Perch Kit	Optional - 1 Kit Required Per Nest																	
410799 - or - 410832	72" N-T Connector W/Cover - or - 96" N-T Connector W/Cover	Select - 2 Required (1 Per Nest Row)																	
410943	18" N-N Connector W/Cover	26	32	36	40	44	48	52	58	62	66	70	74	78	84	88	92	96	100
Number of Birds @ 5.5 Per Nest Hole		3,696	4,488	5,016	5,544	6,072	6,600	7,128	7,920	8,448	8,976	9,504	10,032	10,560	11,352	11,880	12,408	12,936	13,464

### 2 Nest Rows - 24" Connectors

CATALOG NUMBER	ITEM DESCRIPTION	LENGTH OF SLATS (FT)																	
		175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
CHOOSE	.50 HP Collection Table	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
CHOOSE	.75 HP Collection Table	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
425028 425029 425030	Right Side Collection Tray Left Side Collection Tray Dual Side Collection Tray	Select - 2 Required (1 Per Table)																	
413180	Dual Roller End Return Assy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Order By Full Roll	8" Egg Belt (total feet)	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
413000	12 Hole Nest	56	64	72	80	88	96	104	112	120	132	140	148	156	164	172	180	188	196
Refer to Page 3	Pad options on page 3	Select - 1 Set Required Per Nest																	
413060	Set of Perch Arms	Optional - 1 Set Required Per Nest																	
413065	Set of Perch Boards	Optional - 1 Set Required Per Nest																	
410618	Plastic Perch Kit	Optional - 1 Kit Required Per Nest																	
410799 - or - 410832	72" N-T Connector W/Cover - or - 96" N-T Connector W/Cover	Select - 2 Required (1 Per Nest Row)																	
410796	24" N-N Connector W/Cover	26	30	34	38	42	46	50	54	58	64	68	72	76	80	84	88	92	96
Number of Birds @ 5.5 Per Nest Hole		3,696	4,224	4,752	5,280	5,808	6,336	6,864	7,392	7,920	8,712	9,240	9,768	10,296	10,824	11,352	11,880	12,408	12,936



## CENTER BELT MECHANICAL NEST & EGG COLLECTION SYSTEM SYSTEM REQUIREMENTS

### 2 Nest Rows - 28" Connectors

CATALOG NUMBER	ITEM DESCRIPTION	LENGTH OF SLATS (FT)																	
		175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
CHOOSE	.50 HP Collection Table	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
CHOOSE	.75 HP Collection Table	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
425028 425029 425030	Right Side Collection Tray Left Side Collection Tray Dual Side Collection Tray	Select - 2 Required (1 Per Table)																	
413180	Dual Roller End Return Assy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Order By Full Roll	8" Egg Belt (total feet)	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
413000	12 Hole Nest	52	60	68	76	84	96	104	112	120	128	136	144	152	160	168	176	184	192
Refer to p. 3	Pad options on page 3	Select - 1 Set Required Per Nest																	
413060	Set of Perch Arms	Select - 1 Set Required Per Nest																	
413065	Set of Perch Boards	Select - 1 Set Required Per Nest																	
410618	Plastic Perch Kit	Optional - 1 Kit Required Per Nest																	
410799 - or - 410832	72" N-T Connector W/Cover - or - 96" N-T Connector W/Cover	Select - 2 Required (1 Per Nest Row)																	
410627	28" N-N Connector W/Cover	24	28	32	36	40	46	50	54	58	62	66	70	74	78	82	86	90	94
Number of Birds @ 5.5 Per Nest Hole		3,432	3,960	4,488	5,016	5,544	6,336	6,864	7,392	7,920	8,448	8,976	9,504	10,032	10,560	11,088	11,616	12,144	12,672

### 2 Nest Rows - 30" Connectors

CATALOG NUMBER	ITEM DESCRIPTION	LENGTH OF SLATS (FT)																	
		175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
CHOOSE	.50 HP Collection Table	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
CHOOSE	.75 HP Collection Table	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
425028 425029 425030	Right Side Collection Tray Left Side Collection Tray Dual Side Collection Tray	Select - 2 Required (1 Per Table)																	
413180	Dual Roller End Return Assy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Order By Full Roll	8" Egg Belt (total feet)	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
413000	12 Hole Nest	52	60	68	76	84	92	100	108	116	124	132	140	148	156	164	172	180	188
Refer to p. 3	Pad options on page 3	Select - 1 Set Required Per Nest																	
413060	Set of Perch Arms	Optional - 1 Set Required Per Nest																	
413065	Set of Perch Boards	Optional - 1 Set Required Per Nest																	
410618	Plastic Perch Kit	Optional - 1 Kit Required Per Nest																	
410799 - or - 410832	72" N-T Connector W/Cover - or - 96" N-T Connector W/Cover	Select - 2 Required (1 Per Nest Row)																	
410797	30" N-N Connector W/Cover	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92
Number of Birds @ 5.5 Per Nest Hole		3,432	3,960	4,488	5,016	5,544	6,072	6,600	7,128	7,656	8,184	8,712	9,240	9,768	10,296	10,824	11,352	11,880	12,408



## CENTER BELT MECHANICAL NEST & EGG COLLECTION SYSTEM SYSTEM REQUIREMENTS

### 2 Nest Rows - 36" Connectors

CATALOG NUMBER	ITEM DESCRIPTION	LENGTH OF SLATS (FT)																	
		175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
CHOOSE	.50 HP Collection Table	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
CHOOSE	.75 HP Collection Table	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
425028 425029 425030	Right Side Collection Tray Left Side Collection Tray Dual Side Collection Tray	Select - 2 Required (1 Per Table)																	
413180	Dual Roller End Return Assy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Order By Full Roll	8" Egg Belt (total feet)	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
413000	12 Hole Nest	52	60	68	72	80	88	96	104	112	120	128	136	144	152	160	168	172	180
Refer to p. 3	Pad options on page 3	Select - 1 Set Required Per Nest																	
413060	Set of Perch Arms	Optional - 1 Set Required Per Nest																	
413065	Set of Perch Boards	Optional - 1 Set Required Per Nest																	
410618	Plastic Perch Kit	Optional - 1 Kit Required Per Nest																	
410799 - or - 410832	72" N-T Connector W/Cover - or - 96" N-T Connector W/Cover	Select - 2 Required (1 Per Nest Row)																	
410798	36" N-N Connector W/Cover	24	28	32	34	38	42	46	50	54	58	62	66	70	74	78	82	84	88
Number of Birds @ 5.5 Per Nest Hole		3,432	3,960	4,488	4,752	5,280	5,808	6,336	6,864	7,392	7,920	8,448	8,976	9,504	10,032	10,560	11,088	11,352	11,880

### 2 Nest Rows - 42" Connectors

CATALOG NUMBER	ITEM DESCRIPTION	LENGTH OF SLATS (FT)																	
		175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
CHOOSE	.50 HP Collection Table	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
CHOOSE	.75 HP Collection Table	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2
425028 425029 425030	Right Side Collection Tray Left Side Collection Tray Dual Side Collection Tray	Select - 2 Required (1 Per Table)																	
413180	Dual Roller End Return Assy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Order By Full Roll	8" Egg Belt (total feet)	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
413000	12 Hole Nest	48	56	64	72	80	84	92	100	108	116	124	132	136	144	152	160	168	176
Refer to p. 3	Pad options on page 3	Select - 1 Set Required Per Nest																	
413060	Set of Perch Arms	Optional - 1 Set Required Per Nest																	
413065	Set of Perch Boards	Optional - 1 Set Required Per Nest																	
410618	Plastic Perch Kit	Optional - 1 Kit Required Per Nest																	
410799 - or - 410832	72" N-T Connector W/Cover - or - 96" N-T Connector W/Cover	Select - 2 Required (1 Per Nest Row)																	
410878	42" N-N Connector W/Cover	22	26	30	34	38	40	44	48	52	56	60	64	66	70	74	78	82	86
Number of Birds @ 5.5 Per Nest Hole		3,168	3,696	4,224	4,752	5,280	5,544	6,072	6,600	7,128	7,656	8,184	8,712	8,976	9,504	10,032	10,560	11,088	11,616



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