

BUCKET ELEVATORS & CONVEYORS



BUILT
for LIFE™

 **SCAFCO**®
Grain Systems Co.

Serving Agriculture and Industry Since 1954

About SCAFCO

SCAFCO Grain Systems is a market leader in the design and manufacturing of grain storage and handling systems for over 60 years. We have earned a worldwide reputation for superior system design capabilities, engineering, high-quality materials, and craftsmanship. Clients in over 80 countries rely on SCAFCO for a full line of farm and commercial bins, hopper bottom bins, and a complete line of accessories.

Contact SCAFCO about your handling and storage needs. No matter how large or small, SCAFCO will provide the design and manufacturing support services you need.

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Built Strong

SCAFCO bucket elevators are built strong, reliable, and efficient for all stages of material handling. SCAFCO is invested in making sure each system is designed and engineered to meet customers' specific requirements.

G115 (min. 350 gr/m² zinc) galvanized coating gives SCAFCO bucket elevators a lasting corrosion-resistant finish. Heavy-duty, crowned-face, double-disc drum pulley with static-conductive, oil resistant and fire retardant lagging is standard on all models.

Capacities over 20,000 BPH (550 MTPH)

Options

- 1/4" (6.40 mm) expanded metal-backed urethane head housing and hood liners
- Head and distributor service platforms
- Ladder and safety cage with rest platforms
- Belt alignment and speed monitors
- Bolt-on shovel pocket (field installed)

Elevator Heads

Contoured hoods minimize wear, improve material discharge flow, and offer easy interior accessibility.



Platforms

Platforms are punched with a slip resistant pattern and feature a hatch that can be closed over the ladder access port. Built to OSHA safety standards, SCAFCO platforms provide easy access to the motor and drive.



Service Panel

SCAFCO elevator heads feature weather tight service panels on each side allowing for easy maintenance.



Motor

Energy efficient motors are available for both domestic and international use.



Trunking and Ladders

Engineered to be sturdy and strong, SCAFCO trunking will keep your bucket elevators standing tall for years to come. A unique bolt-together splice flange design provides rigidity and a weather tight seal which helps to retain its rectangular form.

Optional SCAFCO Bucket Elevator ladders are designed to be lightweight, easy to assemble, and manufactured to meet OSHA safety standards.

Features:

- Galvanized 14 gauge (1.83 mm) steel construction with bolt together seams prevent corrosion from moisture and dust accumulation
- Galvanized 12 gauge (2.59 mm) steel construction with bolt together seams prevent corrosion from moisture and dust accumulation on higher capacity (8,000 BPH/200 TPH) models and larger
- Maintenance friendly 5' (1.52 m) inspection section with 4' (1.22 m) removable panels at both front and back
- Guy cable brackets are standard to provide stability and maintain trunk alignment
- Bolted trunking with continuous sealant along flanges and splices
- Ladders feature 16" (406 mm) clear width galvanized slip-resistant rungs
- Rest platforms are provided for ladders at every 20' (6.10 m) vertical rise



Buckets

Buckets are constructed from a durable non-sparking polyethylene. Optional steel, nylon or urethane buckets are also available.



Trunking

Trunk sections are connected using SCAFCO's own unique, rigid splicing design, with no welding required.



Inspection Sections

Field installed inspection sections can be located in four different configurations, allowing for easy access and maintenance.



Ladders

Built to OSHA safety standards, SCAFCO ladders are sturdy and feature safety cages designed to improve climbing safety.



Elevator Boots

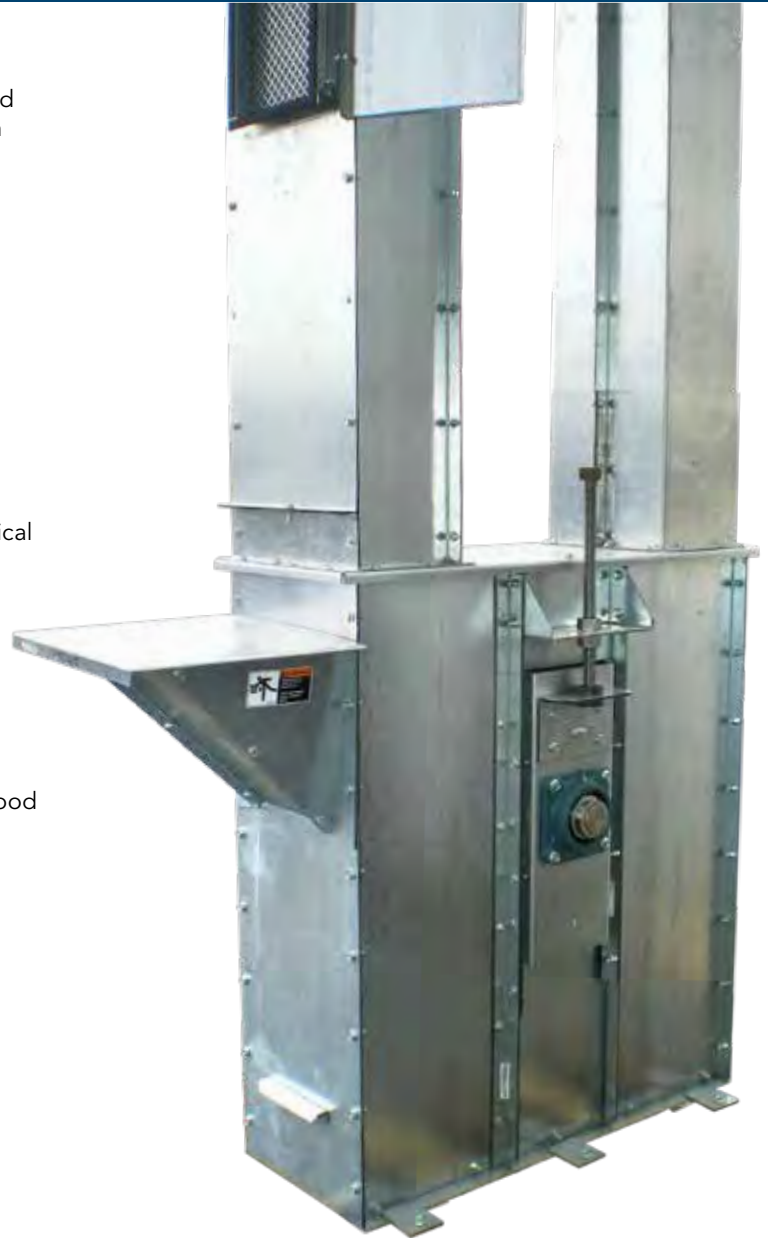
SCAFCO elevator boots are made of 11 gauge (3.00 mm) galvanized steel with bolted, angled vertical stiffeners and feature belt-tension take-up screws, utilizing corrosion-resistant ACME threaded rod. 7 (4.55 mm) gauge is standard on higher capacity models.

Boot Sections Include:

- Externally mounted flange bearings
- Machined, full-length UHMW shaft seal at take-up plate bearing surface
- Heavy-duty, double-disc drum pulley
- Clean-out doors at each end
- Minimum 11 gauge (3.00 mm) galvanized steel with bolted, vertical stiffeners

Options:

- 12 Gauge (2.63 mm) trunk construction
- 10 Gauge (3.30 mm) trunk construction on higher capacity (8,000 BPH/200 TPH) models and larger
- ¼" (6 mm) expanded, metal-back urethane head housing and hood liners
- Head and distributor service platforms
- Ladder and safety cage with rest platforms
- Winged, self-cleaning boot pulley
- Flared boot hopper
- Standard boot hopper
- Down-leg boot inlet hopper
- Urethane-lined head discharge transitions
- Belt alignment and speed sensors
- Trunking pressure-relief vents
- Bolt-on shovel pocket (field installed)



Flange Bearing

Externally mounted flange bearing provides material separation to prevent material contamination, lower operation temperatures, and provide easy access for maintenance and service.



Belt Tension Take-Up Screws

1" (25 mm) Acme threaded rod for maintaining belt tension and alignment.



Chain Conveyors

SCAFCO Conveyors offer many features to help maximize performance and reduce operating costs. Each conveyor features heavy-duty all-bolted galvanized steel construction with easy access to all vital components. Standard sizes are 8", 12", 16", and 21" (204 mm, 305 mm, 406 mm, and 533 mm). Custom sizes are also available.

SCAFCO Conveyors have corrosion-resistant **G115** (min. 350 gr/m² zinc) galvanized coating, giving a durable long lasting quality finish.

Capacities over 20,000 BPH (550 MTPH)

Options:

- Abrasion-resistant steel wear liners with recessed fasteners for removal or replacement
- Slack chain switch
- Plugged head switch
- Split sprockets
- Return cup flight attachments are available

Conveyor Motor

Conveyor motors are energy efficient, with Class F insulation and a 1.15 service factor, and available in 50 or 60 Hz.

Plugged Head Switch (optional)

SCAFCO's unique self-cleaning and resetting plugged switch is located on the outside of the conveyor head to prevent false readings.

Flanges and Bearings

The bolt-together 8 gauge (3.80 mm) flanges assure rigid connections and true alignment.

Externally mounted flange bearing provides material separation to prevent material contamination, lower operation temperatures, and provides easy access for maintenance and service.

Features:

- External mount flange bearings on all conveyors
- Heavy-duty, chain tension take-up system
- Hardened steel sprockets (split hubs available)
- Minimum 8 gauge (3.80 mm) bearing mounts on all conveyors
- Shafts are turned, ground, and polished
- All-bolted construction for ease of maintenance
- Standard roller chain or welded steel chain is used on high capacity conveyors



Conveyor Head

Conveyor heads feature heavy gauge universal motor mount and bolted access, allowing for easy maintenance and removal of the shaft, sprocket, and bearings.



Troughs

Troughs are made from three-piece, flanged, factory-bolted sections and are fixture-assembled for ease of installation.

Each roller-chain is specifically matched to each conveyor application with a minimum service factor of 8.



Tails

Bolted access allows for easy maintenance and removal of the tail shaft, sprocket, and bearings.



Inclined Conveyor

SCAFCO inclined conveyors (IDCs) help maximize performance and reduce operating costs. Each conveyor features heavy-duty all-bolted galvanized steel construction and easy access to all vital components. These conveyors are used in situations that call for horizontal conveyance for some distance, followed by an incline of up to 45°.

IDCs are commonly used for truck or rail receiving. Through the use of deeper hoppers, they also allow greater hopper capacity without lowering the inlets to downstream equipment.

Bypass inlets and bypass dump hoppers funnel grain directly into the bottom portion of the trough. This method diverts product around the return chain, ensuring uniform flow into the lower portion of the conveyor.

All SCAFCO conveyors are finished with corrosion-resistant **G115** (min. 350 grams/m² zinc) galvanized coating, giving a durable, long-lasting, quality finish.

Features:

- Same design features as chain conveyors
- Double-bottom design
- Up to 45° inclines in 5° increments
- Bypass inlet hoppers
- Bypass dump hoppers

Options:

- Abrasion-resistant steel wear liners with recessed fasteners for removal or replacement
- Slack chain switch
- Plugged head switch
- Split sprockets



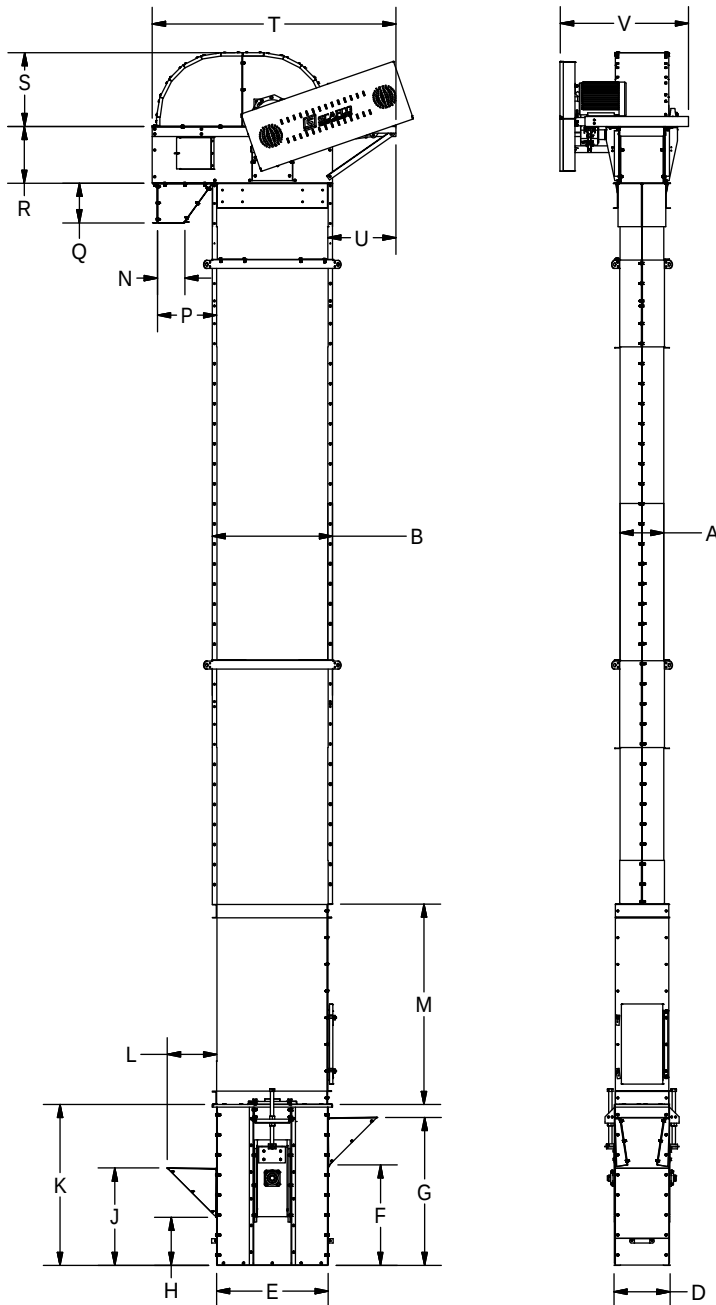


Specifications											
Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
								in	mm	in	mm
SB8-2	200	5	120	251	1.3	7"	178	6" x 4"	160 x 120	13-1/2"	343
SB8-4	400	10	120	251	1.3	7"	178	6" x 4"	160 x 120	9"	228
SB8-6	600	15	120	251	1.3	7"	178	6" x 4"	160 x 120	6"	152
SB8-8	800	20	120	251	1.3	7"	178	6" x 4"	160 x 120	4-1/2"	114

Head	Boot	Leg	Pulley	Belt
- Size - 12 ga (2.6 mm) - Pulley¹ - Shaft - 1-7/16" (37 mm) - Bearing - Pillow Block	- Size - 12 ga (2.6 mm) - Pulley - Shaft - 1-7/16" (37 mm) - Bearing - Flange	- Bolted flange - Size - 14 ga (1.9 mm)	8" (204 mm) diameter	Strength 200 (P.I.W.)

*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel

¹ Rubber lagging



Discharge Height		Capacity BPH				Reducer Size
		200	400	600	800	
		Capacity MTPH				
FT	M	5	10	15	20	
20	6.10	1	1	1	1	TAØ
25	7.62	1	1	1	1	
30	9.14	1	1	1	1	
35	10.67	1	1	2	2	
40	12.19	1	1	2	2	
45	13.72	1	1	2	2	
50	15.24	1	1	2	2	
55	16.76	1	2	2	2	
60	18.29	1	2	2	2	
65	19.81	1	2	2	2	
70	21.34	1	2	2	2	
75	22.86	1	2	2	2	
80	24.38	2	2	3	3	

Based on Dodge TA Reducers Class II

Chart based on #2 dry shelled corn at 56lbs/bushel

Dimensions		
	in	mm
A	10	254
B	21	533
D	12-3/4	324
E	21-1/4	540
F	14-5/8	371
G	24-1/2	622
H	14-5/8	371
J	24-1/2	622
K	36	914
L	8-3/4	222
M	60	1524
N	8-1/8	206
P	11-7/8	302
Q	12	305
R	12	305
S	16-3/4	425
T	52	1321
U	17-1/2	445
V	30	762

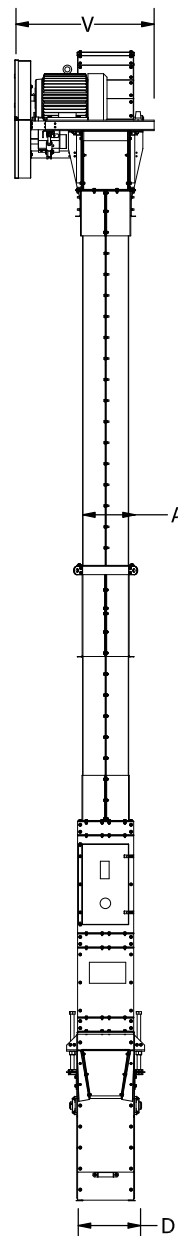
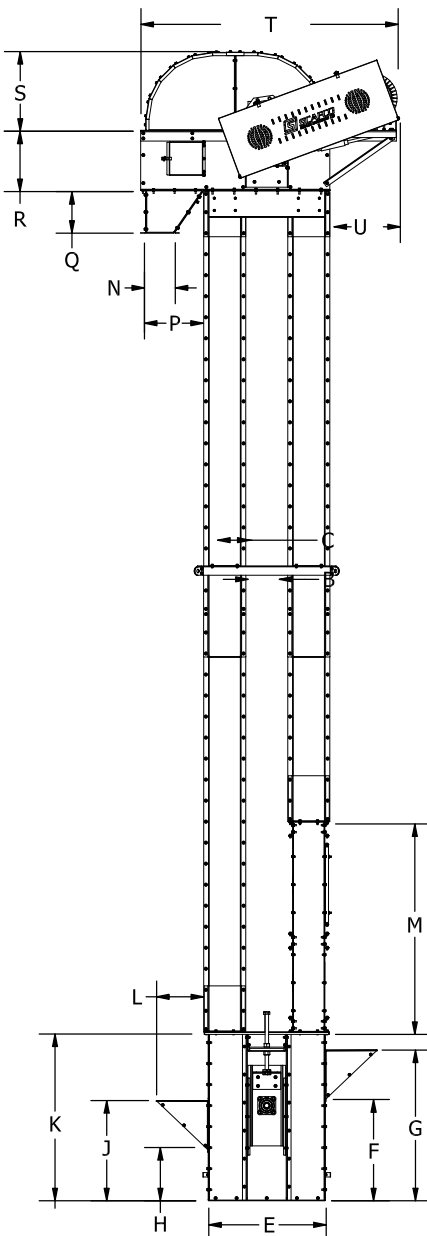
Specifications

Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
SB16-10	1000	25	60	251	1.3	10"	254	9" x 5"	228 x 127	9"	228
SB16-15	1500	38	90	377	1.9	10"	254	9" x 5"	228 x 127	9"	228
SB16-20	2000	50	80	335	1.7	10"	254	9" x 5"	228 x 127	6"	152
SB16-25	2500	63	100	419	2.1	10"	254	9" x 5"	228 x 127	6"	152
SB16-30	3000	76	90	377	1.9	10"	254	9" x 6"	228 x 152	6"	152

Head	Boot	Leg	Pulley	Belt
- Size - 11 ga (3 mm) - Pulley ¹ - Crowned - Shaft - 2-3/16" (55 mm) - Bearing - Pillow Block	- Size - 11 ga (3 mm) - Pulley - Shaft - 1-7/16" (37 mm) - Bearing - Flange	- Bolted flange - Size - 14 ga (1.9 mm)	16" (406 mm) diameter	Strength 250 (P.I.W.)

*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel

¹ Crowned with Holz style slide lagging



Discharge Height		Capacity BPH					Reducer Size
		1000	1500	2000	2500	3000	
		Capacity MTPH					
FT	M	25	38	50	63	76	
20	6.10	2	2	3	3	5	TA1
25	7.62	2	3	3	3	5	
30	9.14	2	3	3	5	5	
35	10.67	2	3	5	5	5	
40	12.19	2	3	5	5	7.5	TA2
45	13.72	3	5	5	5	7.5	
50	15.24	3	5	5	7.5	7.5	
55	16.76	3	5	5	7.5	7.5	
60	18.29	3	5	5	7.5	7.5	TA3
65	19.81	3	5	7.5	7.5	10	
70	21.34	3	5	7.5	7.5	10	
75	22.86	5	5	7.5	7.5	10	
80	24.38	5	5	7.5	10	10	
85	25.91	5	7.5	7.5	10	10	
90	27.43	5	7.5	7.5	10	10	
95	28.96	5	7.5	7.5	10	15	
100	30.48	5	7.5	7.5	10	15	
105	32.00	5	7.5	10	10	15	
110	33.53	5	7.5	10	15	15	
115	35.05	5	7.5	10	15	15	
120	36.58	5	7.5	10	15	15	

Based on Dodge TA Reducers Class II

Chart based on #2 dry shelled corn at 56lbs/bushel

Dimensions		
	in	mm
A	13	330
B	9	229
C	15	381
D	16-3/8	416
E	33-7/16	849
F	30	762
G	43	1092
H	16	406
J	29	737
K	48	1219
L	14-3/4	375
M	60	1524
N	8	203
P	18	457
Q	12	305
R	17	432
S	22-3/8	568
T	73	1854
U	20-3/8	518
V	34-7/8	886

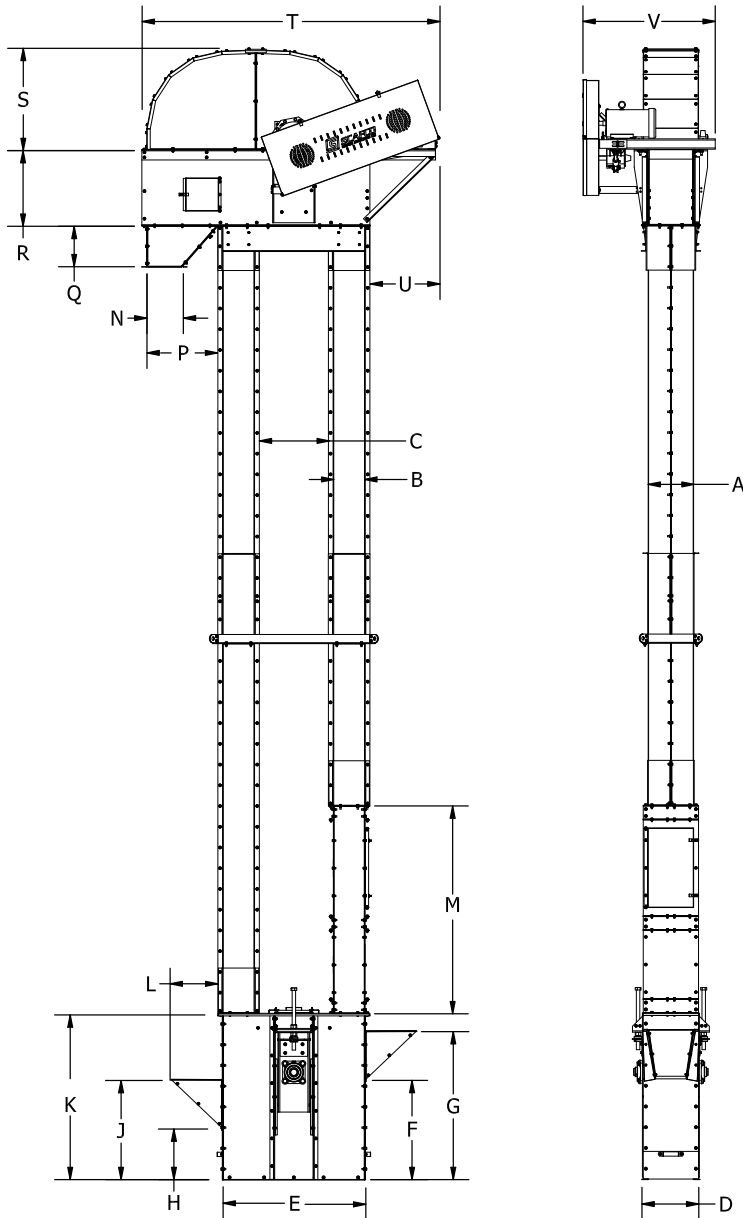
Specifications

Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
SB24-20	2000	54.4	60	377	1.9	10"	254	9" x 6"	228 x 152	8"	203
SB24-25	2500	68.0	65	408	2.1	10"	254	9" x 6"	228 x 152	8"	203
SB24-30	3000	81.6	78	490	2.5	10"	254	9" x 6"	228 x 152	8"	203
SB24-35	3500	95.3	68	427	2.2	10"	254	9" x 6"	228 x 152	6"	152
SB24-40	4000	108.9	78	490	2.5	10"	254	9" x 6"	228 x 152	6"	152

Head	Boot	Leg	Pulley	Belt
- Size - 11 ga (3 mm) - Pulley¹ - Crowned - Shaft - 2-3/16" - 2-15/16" (56 mm - 75 mm) - Bearing - Pillow Block	- Size - 11 ga (3 mm) - Pulley - Shaft - 1-15/16" (49 mm) - Bearing - Flange	- Bolted flange - Size - 14 ga (1.9 mm)	24" (610 mm) diameter	Strength 250 (P.I.W.)

*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel

¹ Crowned with Holz style slide lagging



Discharge Height		Capacity BPH					Reducer Size
		2000	2500	3000	3500	4000	
		Capacity MTPH					
FT	M	54	68	81	95	108	
20	6.10	3	3	5	5	5	TA1
25	7.62	5	5	5	5	5	
30	9.14	5	5	5	5	7.5	
35	10.67	5	5	5	7.5	7.5	TA2
40	12.19	5	5	7.5	7.5	7.5	
45	13.72	5	7.5	7.5	7.5	10	
50	15.24	7.5	7.5	7.5	7.5	10	TA3
55	16.76	7.5	7.5	7.5	10	10	
60	18.29	7.5	7.5	10	10	10	
65	19.81	7.5	7.5	10	10	15	
70	21.34	7.5	7.5	10	10	15	TA4
75	22.86	7.5	10	10	15	15	
80	24.38	7.5	10	10	15	15	
85	25.91	10	10	15	15	15	
90	27.43	10	10	15	15	15	
95	28.96	10	10	15	15	15	
100	30.48	10	10	15	15	20	
105	32.00	10	15	15	15	20	
110	33.53	10	15	15	15	20	
115	35.05	15	15	15	15	20	
120	36.58	15	15	15	20	20	
125	38.10	15	15	15	20	20	
130	39.62	15	15	15	20	20	
135	41.15	15	15	20	20	20	
140	42.67	15	15	20	20	25	TA5
145	44.20	15	15	20	20	25	
150	45.72	15	15	20	20	25	

Based on Dodge TA Reducers Class II

Chart based on #2 dry shelled corn at 56lbs/bushel

Dimensions		
	in	mm
A	13	330
B	9	228
C	23	380
D	16-3/8	416
E	41-7/16	1053
F	30	762
G	43	1092
H	16	406
J	29	737
K	48	1219

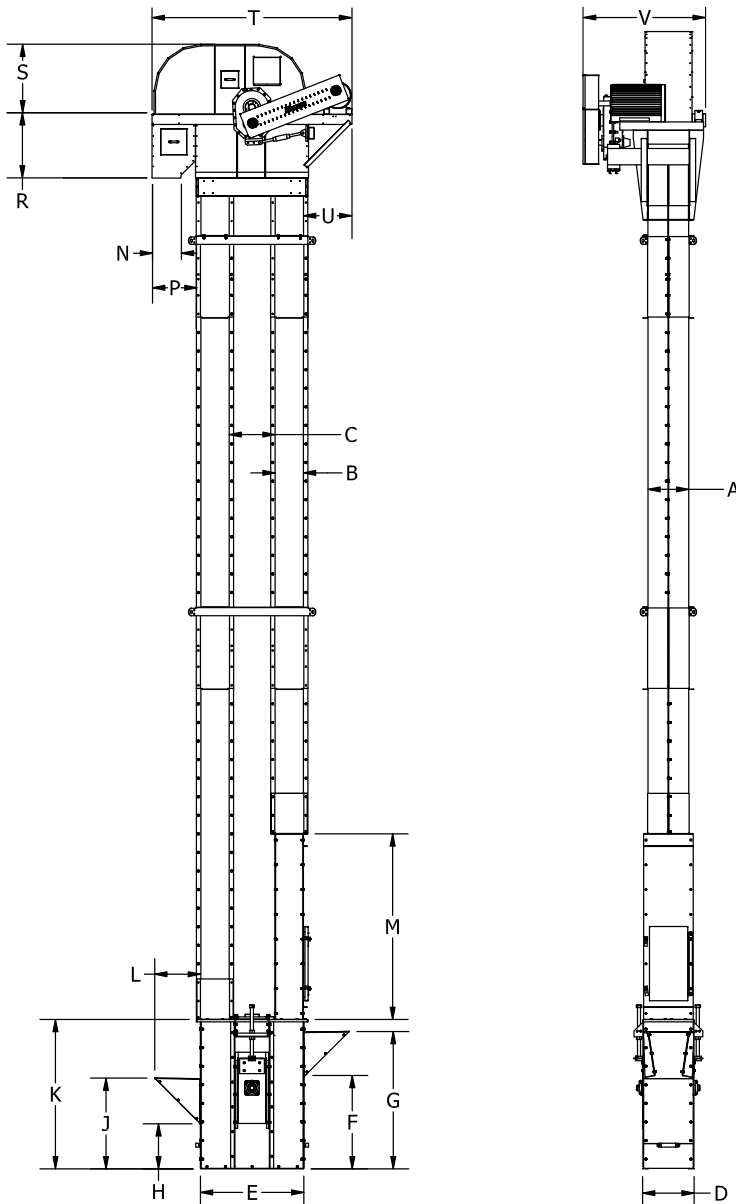
Dimensions		
	in	mm
L	14-3/4	375
M	60	1524
N	10	254
P	22	559
Q	12	305
R	22	559
S	29	737
T	85	2159
U	20 3/8	518
V	33	838

Specifications											
Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
								in	mm	in	mm
SB30-30	3000	76	55	432	2.2	10"	254	9" x 6"	228 x 152	7"	178
SB30-35	3500	88	63	495	2.5	10"	254	9" x 6"	228 x 152	7"	178
SB30-40	4000	101	72	565	2.9	10"	254	9" x 6"	228 x 152	7"	178
SB30-45	4500	114	58	456	2.3	13"	330	12" x 7"	304 x 178	9"	228
SB30-50	5000	127	63	495	2.5	13"	330	12" x 7"	304 x 178	9"	228

Head	Boot	Leg	Pulley	Belt
- Size - 11 ga (2.95 mm) - Pulley ¹ - Crowned - Shaft - 2-7/16" to 3-7/16" (62 mm to 87 mm) - Bearing - Pillow Block	- Size - 7 ga (4.6 mm) - Pulley - Shaft - 2-3/16" (56 mm) - Bearing - Flange	- Bolted flange - Size - 14 ga (1.9 mm)	30" (762 mm) diameter	Strength 350 (P.I.W.)

*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel

¹ Crowned with Holz style slide lagging



Discharge Height		Capacity BPH					Reducer Size
		3000	3500	4000	4500	5000	
		Capacity MTPH					
FT	M	76	88	101	114	127	
20	6.10	5	5	5	7.5	7.5	TA1
25	7.62	5	5	7.5	7.5	7.5	
30	9.14	5	7.5	7.5	7.5	10	TA2
35	10.67	7.5	7.5	7.5	10	10	
40	12.19	7.5	7.5	7.5	10	10	
45	13.72	7.5	7.5	10	10	15	TA3
50	15.24	7.5	10	10	15	15	
55	16.76	7.5	10	10	15	15	
60	18.29	10	10	10	15	15	
65	19.81	10	10	15	15	15	
70	21.34	10	10	15	15	15	
75	22.86	10	15	15	15	20	TA4
80	24.38	10	15	15	15	20	
85	25.91	15	15	15	20	20	
90	27.43	15	15	15	20	20	
95	28.96	15	15	15	20	20	
100	30.48	15	15	20	20	20	
105	32.00	15	15	20	20	25	
110	33.53	15	15	20	20	25	
115	35.05	15	20	20	25	25	
120	36.58	15	20	20	25	25	
125	38.10	15	20	20	25	25	TA5
130	39.62	15	20	20	25	25	
135	41.15	20	20	25	25	30	
140	42.67	20	20	25	25	30	
145	44.20	20	20	25	25	30	
150	45.72	20	20	25	30	30	

Based on Dodge TA Reducers Class II

Chart based on #2 dry shelled corn at 56lbs/bushel

Dimensions		
	in	mm
A	16	406
B	12	305
C	28	711
D	20	508
E	52-7/16	1332
F	36	914
G	51-1/4	1302
H	20	508
J	35-1/4	895
K	54	1372

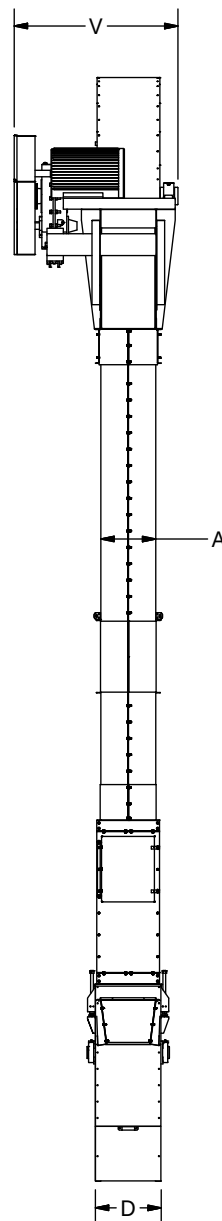
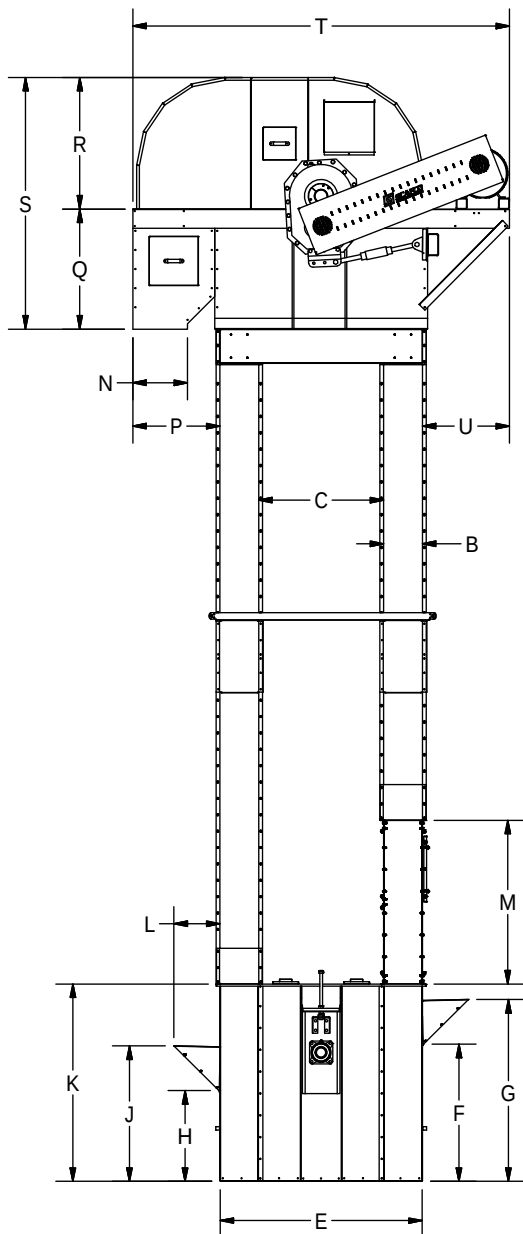
Dimensions		
	in	mm
L	15-3/4	400
M	60	1524
N	16	406
P	28	711
R	31-1/2	800
S	38	965
T	114	2896
U	31-3/4	806
V	44-1/2	1130



Specifications											
Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
								in	mm	in	mm
SB36-40	4000	101	50	471	2.4	13"	330	12" X 6"	305 x 152	8"	204
SB36-50	5000	127	64	603	3.1	13"	330	12" X 6"	305 x 152	8"	204
SB36-60	6000	152	75	707	3.6	13"	330	12" X 6"	305 x 152	8"	204
SB36-70	7000	177	75	707	3.6	13"	330	12" X 7"	305 x 178	9"	228

Head	Boot	Leg	Pulley	Belt
- Size - 11 ga (2.95 mm) - Pulley ¹ - Crowned - Shaft - 2-7/16" to 3-7/16" (61 mm to 87 mm) - Bearing - Pillow Block-Double roller	- Size - 7 ga (4.6 mm) - Pulley - Shaft - 2-3/16" (56 mm) - Bearing - Flange	- Bolted flange - Size - 14 ga (1.9 mm)	36" (914 mm) diameter	Strength 350 (P.I.W.)

*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel
¹ Crowned with Holz style slide lagging



Discharge Height		Capacity BPH				Reducer Size
		4000	5000	6000	7000	
		Capacity MTPH				
FT	M	101	127	152	177	
20	6.10	5	7.5	7.5	10	TA3
25	7.62	7.5	7.5	10	15	TA4
30	9.14	7.5	10	10	15	
35	10.67	7.5	10	15	15	
40	12.19	10	10	15	15	
45	13.72	10	15	15	20	
50	15.24	10	15	15	20	
55	16.76	10	15	15	20	
60	18.29	15	15	20	20	
65	19.81	15	15	20	20	TA5
70	21.34	15	15	20	25	
75	22.86	15	20	20	25	
80	24.38	15	20	20	25	
85	25.91	15	20	25	25	
90	27.43	15	20	25	30	
95	28.96	15	20	25	30	
100	30.48	20	20	25	30	
105	32.00	20	25	25	30	TA6
110	33.53	20	25	30	40	
115	35.05	20	25	30	40	
120	36.58	20	25	30	40	
125	38.10	20	25	30	40	
130	39.62	20	30	30	40	
135	41.15	25	30	40	40	
140	42.67	25	30	40	40	
145	44.20	25	30	40	40	TA6
150	45.72	25	30	40	50	

Based on Dodge TA Reducers Class II
 Chart based on #2 dry shelled corn at 56lbs/bushel

Dimensions		
	in	mm
A	16	406
B	12	305
C	34	864
D	20-1/8	511
E	60	1524
F	40-1/8	1019
G	56-1/8	1426
H	25-1/8	638
J	41-1/8	1045
K	60	1524

Dimensions		
	in	mm
L	16-1/8	410
M	60	1524
N	16	406
P	28-7/8	733
Q	35-1/2	902
R	42-1/8	1070
S	78	1981
T	120	3048
U	32	813
V	46	1168

Specifications

Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
								in	mm	in	mm
SSB36-80	8000	203	59	556	2.8	13"	330	12" X 8"	304 x 204	9"	228
SSB36-90	9000	228	65	612	3	13"	330	12" X 8"	304 x 204	9"	228

Head	Boot	Leg	Pulley	Belt
- Size - 7 ga / 11 ga (4.55 mm / 2.9 mm) - Pulley¹ - Crowned - Shaft - 2-15/16" to 3-15/16" (75 mm to 100 mm) - Bearing - Pillow Block-Double roller	- Size - 7 ga (4.55 mm) - Pulley - Shaft - 2-7/16" (62 mm) - Bearing - Pillow Block-roller	- Bolted flange - Size - 12 ga (2.6 mm)	36" (914 mm) diameter	- Size - 13" (330 mm) - Strength - P.I.W. 450

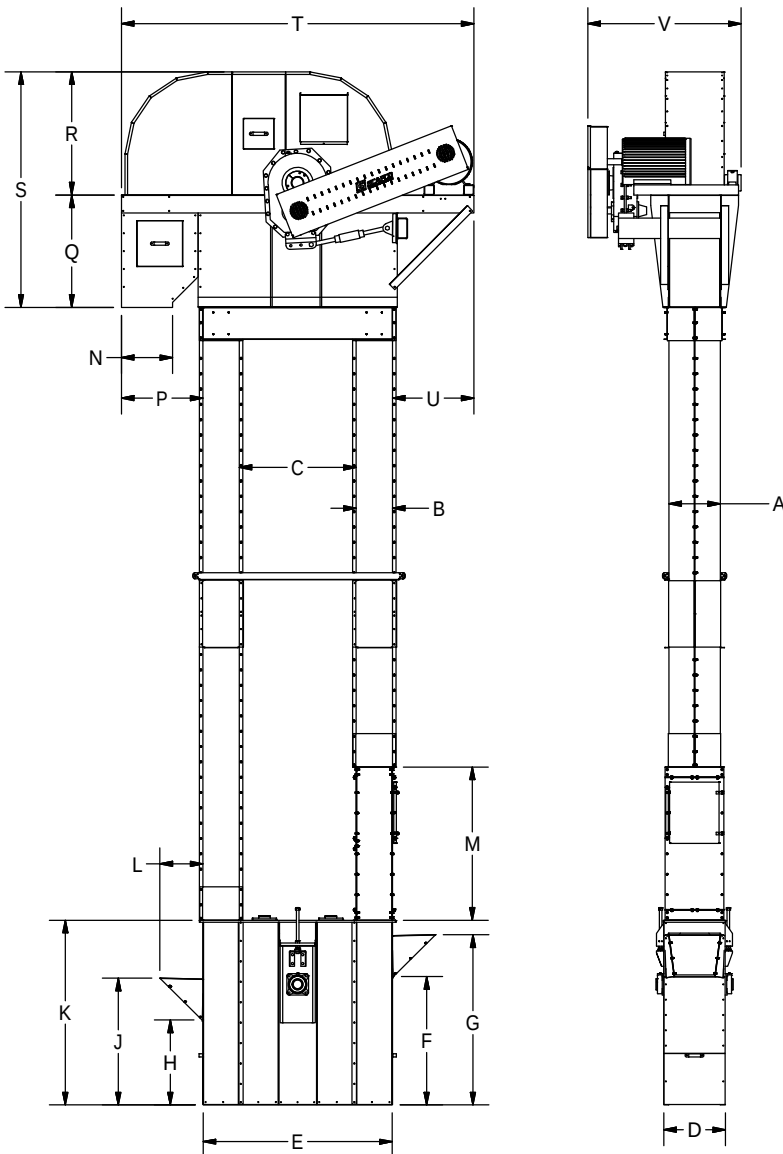
*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel
¹ Crowned with Holz style slide lagging

Discharge Height		Capacity BPH		Reducer Size
		8000	9000	
		Capacity MTPH		
FT	M	203	228	
20	6.10	15	15	TA4
25	7.62	15	15	
30	9.14	15	20	
35	10.67	20	20	TA5
40	12.19	20	20	
45	13.72	20	25	
50	15.24	25	25	
55	16.76	25	25	
60	18.29	25	25	
65	19.81	25	30	
70	21.34	30	30	
75	22.86	30	40	TA6
80	24.38	30	40	
85	25.91	40	40	
90	27.43	40	40	
95	28.96	40	40	
100	30.48	40	40	
105	32.00	40	50	TA7
110	33.53	40	50	
115	35.05	40	50	
120	36.58	50	50	
125	38.10	50	50	
130	39.62	50	50	
135	41.15	50	50	
140	42.67	50	60	
145	44.20	50	60	
150	45.72	50	60	

Based on Dodge TA Reducers Class II
 Chart based on #2 dry shelled corn at 56lbs/bushel

	Dimensions	
	in	mm
A	16	406
B	14	356
C	32	813
D	20-1/8	511
E	60	1524
F	41	1041
G	57	1448
H	25-1/8	638
J	41-1/8	1045
K	60	1524

	Dimensions	
	in	mm
L	16-1/8	410
M	60	1524
N	16	406
P	26-7/8	683
Q	35-1/2	902
R	42-1/4	1073
S	77-3/4	1975
T	120	3048
U	32	813
V	49	1245



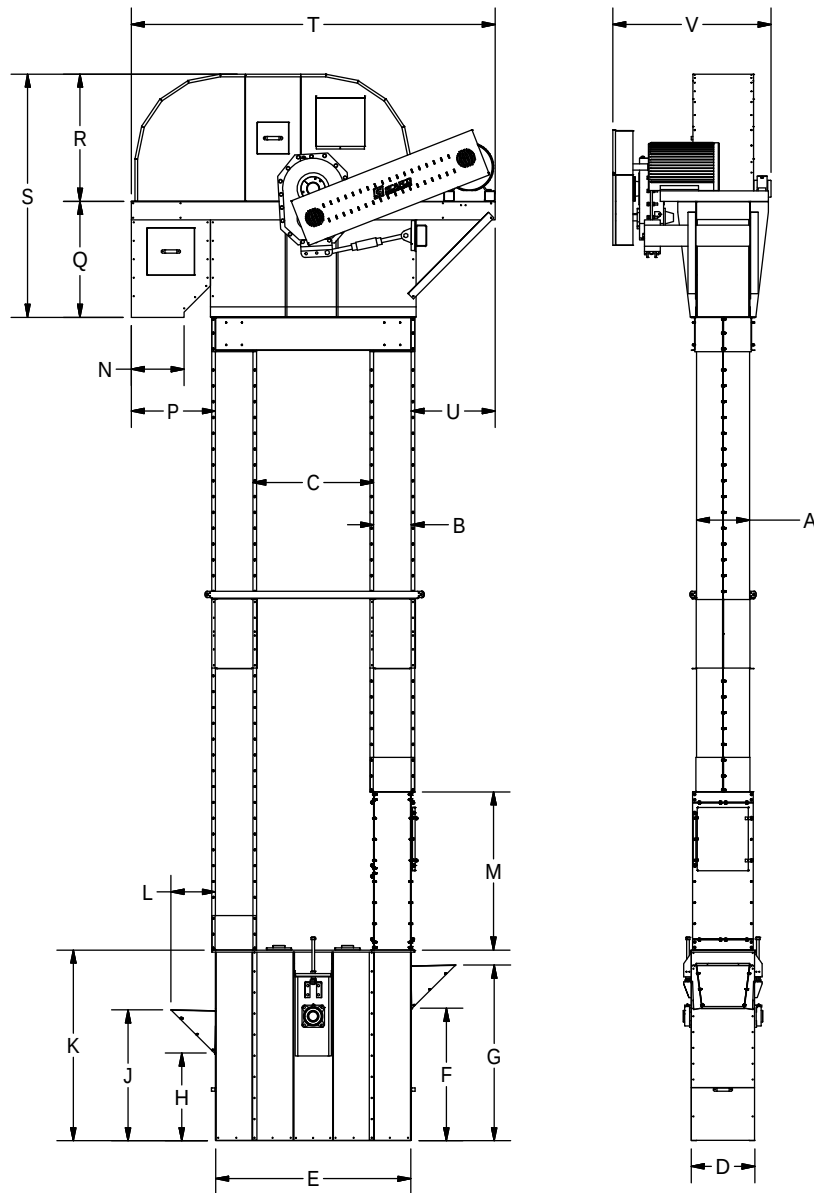
Specifications

Capacity*	BPH	MTPH	Pulley and Belt Speed			Belt Size		Cup			
			RPM	ft/min	m/sec	in	mm	Size		Spacing	
								in	mm	in	mm
SSB48-100	10000	254	60	754	3.8	13"	330	12" X 8"	305 x 204	10"	254
SSB48-120	12000	304	52	653	3.3	17"	431	16" X 8"	305 x 204	10"	254
SSB48-150	15000	381	60	754	3.8	17"	431	16" X 8"	305 x 204	9"	228
SSB48-200	20000	508	60	754	3.8	27"	686	2(12" X 8") ²	2(305 x 204) ²	10"	254

Head	Boot	Leg	Pulley	Belt
- Size - 7 ga / 11 ga (4.55 mm / 3 mm) - Pulley¹ - Crowned - Shaft - 3-7/16" to 4-15/16" (87 mm to 125 mm) - Bearing - Pillow Block-Double roller	- Size - 7 ga (4.55 mm) - Pulley - Shaft - 3-7/16" (87 mm) - Bearing - flange roller	- Bolted flange - Size - 12 ga (2.6 mm)	48" (1219 mm) diameter	Strength 450 (P.I.W.)

*Capacities based on #2 dry shelled corn weighing 56 lbs/bushel

¹ Crowned with Holz style slide lagging



Discharge Height		Capacity BPH				Reducer Size
		10000	12000	15000	20000	
		Capacity MTPH				
FT	M	254	304	381	508	
20	6.10	15	20	20	30	TA5
25	7.62	20	20	25	40	TA6
30	9.14	20	25	25	40	
35	10.67	20	25	30	40	
40	12.19	25	25	30	50	TA7
45	13.72	25	30	40	50	
50	15.24	30	30	40	60	
55	16.76	30	40	40	60	
60	18.29	30	40	40	60	
65	19.81	40	40	50	75	
70	21.34	40	40	50	75	TA8
75	22.86	40	40	50	75	
80	24.38	40	50	50	75	
85	25.91	40	50	60	100	TA9
90	27.43	40	50	60	100	
95	28.96	50	50	60	100	
100	30.48	50	50	75	100	
105	32.00	50	60	75	100	
110	33.53	50	60	75	100	
115	35.05	50	60	75	100	
120	36.58	60	60	75	125	
125	38.10	60	60	75	125	
130	39.62	60	75	100	125	
135	41.15	60	75	100	125	
140	42.67	60	75	100	125	
145	44.20	60	75	100	125	
150	45.72	75	75	100	125	

Based on Dodge TA Reducers Class II

Chart based on #2 dry shelled corn at 56lbs/bushel

Dimensions		
	in	mm
A	20	508
B	13-5/8	346
C	46	1168
D	20-3/4	527
E	74-3/8	1889
F	48	1219
G	64-1/2	1638
H	22	559
J	38-1/2	978
K	72	1829

Dimensions		
	in	mm
L	17-3/4	451
M	60	1524
N	20	508
P	32	813
Q	43-1/2	1105
R	54-1/4	1378
S	97-3/4	2483
T	139-3/8	3540
U	32	813
V	60	1524

Specifications

Capacity		Speed		Chain Rating		Max Pull		Sprocket	Material		Depth		Fill
BPH	MTPH	FPM	m/s	Lbs	kN	Lbs	kN	RPM	lb/ft	kg/m	in	mm	%
500	12	31	0.157	24000	106.76	1802	8.02	14.25	14.90	22.17	5.96	151	60
1000	25	63	0.320	24000	106.76	1802	8.02	21.50	14.90	22.17	5.96	151	60
1500	38	94	0.478	24000	106.76	1802	8.02	28.50	14.90	22.17	5.96	151	60

- Width - 8" (204 mm)
- Height - 10" (254 mm)
- Max length - 250' (76.2 m)
- Chain standard - roller 81x
- Number of sprocket teeth - 7
- Chain service factor is 8 or greater
- Capacities based on clean #2 dry shelled corn weighing 56 lbs/bushel

Dimensions

Size	A	B	C	D	E	F Ø	G SQ	H	J	K
in	8	10	12	13	25	8	8	12	6	30
mm	203	254	304	330	635	203	203	304	152	762

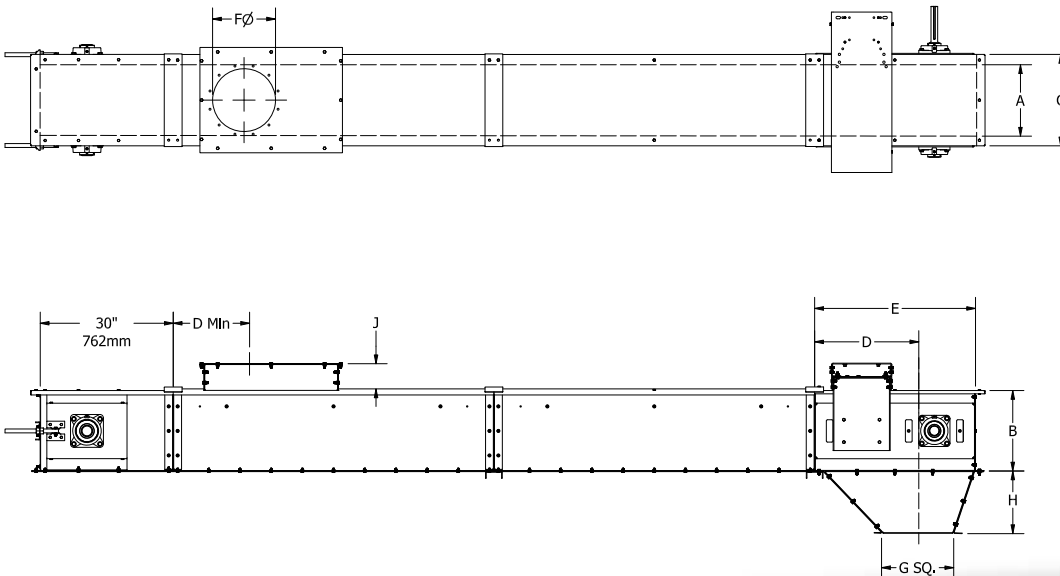
Horse Power Chart

Discharge Length		Capacity BPH			Reducer Size
		500	1000	1500	
		Capacity MTPH			
FT	M	13	25	38	
10	3.05	1	1	1	TA1
15	4.57	1	1	1	
20	6.10	1	1	1	
25	7.62	1	1	1	
30	9.14	1	1	1	
35	10.67	1	1	1	
40	12.19	1	1	2	
45	13.72	1	1	2	
50	15.24	1	1	2	
55	16.76	1	1	2	
60	18.29	1	2	2	
65	19.81	1	2	2	
70	21.34	1	2	2	
75	22.86	1	2	3	
80	24.38	1	2	3	
85	25.91	1	2	3	
90	27.43	1	2	3	
95	28.96	1	2	3	
100	30.48	1	2	3	
105	32.00	1	2	3	
110	33.53	1	2	3	

Horse Power Chart

Discharge Length		Capacity BPH			Reducer Size
		500	1000	1500	
		Capacity MTPH			
FT	M	13	25	38	
115	35.05	2	3	5	TA2
120	36.58	2	3	5	
125	38.10	2	3	5	
130	39.62	2	3	5	
135	41.15	2	3	5	
140	42.67	2	3	5	
145	44.20	2	3	5	
150	45.72	2	3	5	
155	47.24	2	3	5	
160	48.77	2	3	5	
165	50.29	2	3	5	TA3
170	51.82	2	5	5	
175	53.34	2	5	5	
180	54.86	2	5	5	
185	56.39	2	5	5	
190	57.91	2	5	7.5	
195	59.44	2	5	7.5	
200	60.96	2	5	7.5	
205	62.48	2	5	7.5	
210	64.01	2	5	7.5	
215	65.53	2	5	7.5	
220	67.06	2	5	7.5	

Based on Dodge TA Reducers Class II
Chart based on #2 dry shelled corn at 56lbs/bushel





Specifications													
Capacity		Speed		Chain Rating		Max Pull		Sprocket	Material		Depth		Fill
BPH	MTPH	FPM	m/s	Lbs	kN	Lbs	kN	RPM	lb/ft	kg/m	in	mm	%
1000	25	37	0.188	3945	17.55	3000	13.34	14.25	26.90	40.03	10.04	255	72
1500	38	53	0.269	3728	16.58	2984	13.27	21.50	26.70	39.73	9.98	253	71
2000	50	74	0.376	3648	16.23	3000	13.34	28.50	26.90	40.03	10.04	255	72
2500	63	94	0.478	3393	15.09	2972	13.22	36.00	26.60	39.59	9.94	252	71
3000	76	112	0.569	3231	14.37	2984	13.27	43.00	26.70	39.73	9.98	253	71
4000	101	149	0.757	3057	13.60	3000	13.34	57.00	26.90	40.03	10.04	255	72

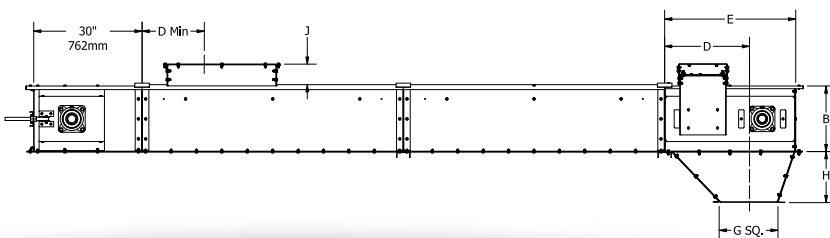
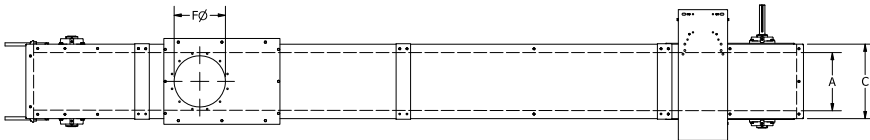
- Width - 8" (204 mm)
- Height - 14" (355 mm)
- Max length - 250' (76.2 m)
- Chain standard - roller 81x
- Number of sprocket teeth - 12
- Chain service factor is 8 or greater
- Capacities based on clean #2 dry shelled corn weighing 56 lbs/bushel

Dimensions										
Size	A	B	C	D	E	F ø	G SQ	H	J	K
in	8	14	12	16	30	10	10	12	6	30
mm	203	355	304	406	762	254	254	304	152	762

Horse Power Chart									
Discharge Length		Capacity BPH							Reducer Size
		1000	1500	2000	2500	3000	3500	4000	
		Capacity MTPH							
FT	M	25	38	50	63	76	89	101	
10	3.05	1	1	1	1	1	1	1	TA1
15	4.57	1	1	1	1	1	1	1	
20	6.10	1	1	1	1	1	2	2	
25	7.62	1	1	1	2	2	2	2	
30	9.14	1	1	1	2	2	2	2	
35	10.67	1	1	2	2	2	3	3	
40	12.19	1	2	2	2	2	3	3	
45	13.72	1	2	2	2	3	3	3	TA2
50	15.24	1	2	2	3	3	3	5	
55	16.76	1	2	2	3	3	5	5	
60	18.29	2	2	2	3	3	5	5	
65	19.81	2	2	3	3	5	5	5	
70	21.34	2	2	3	3	5	5	5	
75	22.86	2	2	3	5	5	5	5	
80	24.38	2	3	3	5	5	5	7.5	TA3
85	25.91	2	3	3	5	5	5	7.5	
90	27.43	2	3	3	5	5	7.5	7.5	
95	28.96	2	3	5	5	5	7.5	7.5	
100	30.48	2	3	5	5	5	7.5	7.5	
105	32.00	2	3	5	5	7.5	7.5	7.5	
110	33.53	2	3	5	5	7.5	7.5	7.5	
115	35.05	3	3	5	5	7.5	7.5	7.5	
120	36.58	3	5	5	5	7.5	7.5	10	
125	38.10	3	5	5	7.5	7.5	7.5	10	

Horse Power Chart									
Discharge Length		Capacity BPH							Reducer Size
		1000	1500	2000	2500	3000	3500	4000	
		Capacity MTPH							
FT	M	25	38	50	63	76	89	101	
130	39.62	3	5	5	7.5	7.5	7.5	10	TA3
135	41.15	3	5	5	7.5	7.5	10	10	
140	42.67	3	5	5	7.5	7.5	10	10	
145	44.20	3	5	5	7.5	7.5	10	10	
150	45.72	3	5	5	7.5	7.5	10	10	
155	47.24	3	5	7.5	7.5	10	10	10	
160	48.77	3	5	7.5	7.5	10	10	15	TA4
165	50.29	3	5	7.5	7.5	10	10	15	
170	51.82	3	5	7.5	7.5	10	10	15	
175	53.34	5	5	7.5	7.5	10	10	15	
180	54.86	5	5	7.5	7.5	10	-	15	
185	56.39	5	5	7.5	10	10	-	15	
190	57.91	5	5	7.5	10	10	-	15	
195	59.44	5	7.5	7.5	10	10	-	15	
200	60.96	5	7.5	7.5	10	10	-	15	
205	62.48	5	7.5	7.5	10	10	-	15	
210	64.01	5	7.5	7.5	10	-	-	15	
215	65.53	5	7.5	7.5	10	-	-	15	
220	67.06	5	7.5	7.5	10	-	-	15	
225	68.58	5	7.5	7.5	10	-	-	15	
230	70.10	5	7.5	7.5	10	-	-	15	
235	71.63	5	7.5	-	10	-	-	15	
240	73.15	5	7.5	-	10	-	-	-	-
245	74.68	5	7.5	-	10	-	-	-	
250	76.20	5	7.5	-	-	-	-	-	

Based on Dodge TA Reducers Class II
Chart based on #2 dry shelled corn at 56lbs/bushel



Specifications

Capacity		Speed		Chain Rating		Max Pull		Sprocket	Material		Depth		Fill
BPH	MTPH	FPM	m/s	Lbs	kN	Lbs	kN	RPM	lb/ft	kg/m	in	mm	%
5000	127	133	0.676	42000	186.83	3253	14.47	51.00	37.50	55.81	9.35	237	67
5500	139	146	0.742	42000	186.83	3259	14.50	56.00	37.60	55.95	9.37	238	67
6000	152	159	0.808	42000	186.83	3263	14.51	61.00	37.70	56.10	9.38	238	67
6500	165	172	0.874	42000	186.83	3267	14.53	66.00	37.70	56.10	9.40	238	67
7000	177	185	0.940	42000	186.83	3270	14.55	71.00	37.80	56.25	9.41	239	67
8000	203	211	1.072	42000	186.83	3275	14.57	81.00	37.80	56.25	9.42	239	67

- Width - 12" (305 mm)
- Height - 14" (355 mm)
- Max length - 200' (60.96 m)
- Chain (to 150') - roller 81X
Chain (over 150') - roller 81H
- Number of sprocket teeth - 12
- Chain service factor is 8 or greater
- Capacities based on clean #2 dry shelled corn weighing 56 lbs/bushel

Dimensions

Size	A	B	C	D	E	F Ø	G SQ	H	J	K
in	12	14	16	16	30	14	12	12	6	30
mm	305	355	406	406	762	355	304	305	152	762

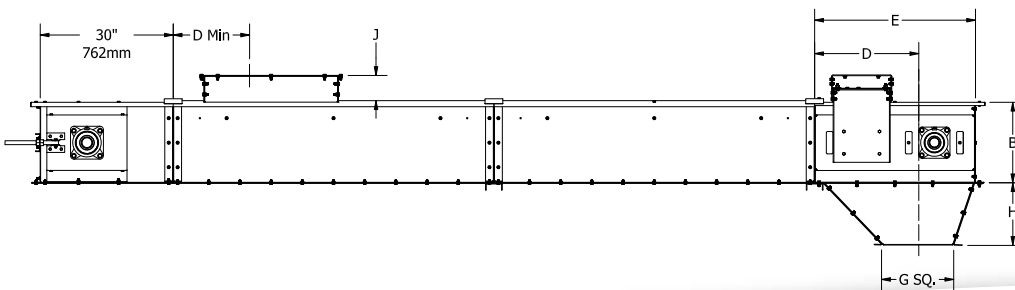
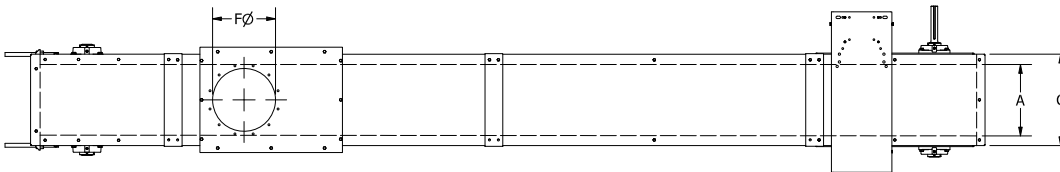
Horse Power Chart

Discharge Length		Capacity BPH						Reducer Size
		5000	5500	6000	6500	7000	8000	
		Capacity MTPH						
FT	M	127	139	152	165	178	203	
10	3.05	1	1	1	2	2	2	TA1
15	4.57	2	2	2	2	2	2	
20	6.10	2	2	2	3	3	3	
25	7.62	3	3	3	3	3	5	
30	9.14	3	3	3	5	5	5	
35	10.67	3	5	5	5	5	5	TA2
40	12.19	5	5	5	5	5	7.5	
45	13.72	5	5	5	5	7.5	7.5	
50	15.24	5	5	5	7.5	7.5	7.5	
55	16.76	5	5	7.5	7.5	7.5	7.5	
60	18.29	5	7.5	7.5	7.5	7.5	10	TA3
65	19.81	7.5	7.5	7.5	7.5	7.5	10	
70	21.34	7.5	7.5	7.5	7.5	10	10	
75	22.86	7.5	7.5	7.5	10	10	10	
80	24.38	7.5	7.5	10	10	10	15	
85	25.91	7.5	10	10	10	10	15	
90	27.43	7.5	10	10	10	15	15	
95	28.96	10	10	10	15	15	15	
100	30.48	10	10	10	15	15	15	

Horse Power Chart

Discharge Length		Capacity BPH						Reducer Size
		5000	5500	6000	6500	7000	8000	
		Capacity MTPH						
FT	M	127	139	152	165	178	203	
105	32.00	10	10	15	15	15	15	
110	33.53	10	10	15	15	15	15	
115	35.05	10	15	15	15	15	20	TA4
120	36.58	10	15	15	15	15	20	
125	38.10	15	15	15	15	15	20	
130	39.62	15	15	15	15	15	20	
135	41.15	15	15	15	15	20	20	
140	42.67	15	15	15	15	20	20	
145	44.20	15	15	15	20	20	20	
150	45.72	15	15	15	20	20	20	
155	47.24	15	15	20	20	20	25	TA5
160	48.77	15	15	20	20	20	25	
165	50.29	15	15	20	20	20	25	
170	51.82	15	20	20	20	20	25	
175	53.34	15	20	20	20	25	25	
180	54.86	15	20	20	20	25	25	
185	56.39	20	20	20	20	25	25	
190	57.91	20	20	20	25	25	25	
195	59.44	20	20	20	25	25	30	
200	60.96	20	20	20	25	25	30	

Based on Dodge TA Reducers Class II
Chart based on #2 dry shelled corn at 56lbs/bushel





Specifications													
Capacity		Speed		Chain Rating		Max Pull		Sprocket	Material		Depth		Fill
BPH	MTPH	FPM	m/s	Lbs	kN	Lbs	kN	RPM	lb/ft	kg/m	in	mm	%
8000	203	159	0.808	42000	186.83	5091	22.65	42.50	58.30	86.80	12.50	318	70
8500	216	166	0.843	42000	186.83	5104	22.70	44.50	59.50	88.60	12.75	324	71
9000	229	179	0.909	42000	186.83	4990	22.20	48.00	58.30	86.80	12.50	318	70
9500	242	188	0.955	42000	186.83	5100	22.69	50.50	58.30	86.80	12.50	318	70
10000	254	195	0.99	42000	186.83	5050	22.46	52.50	59.50	88.60	12.75	324	71

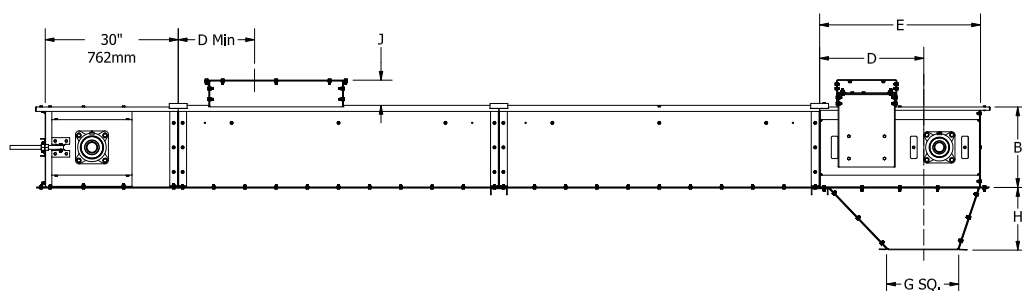
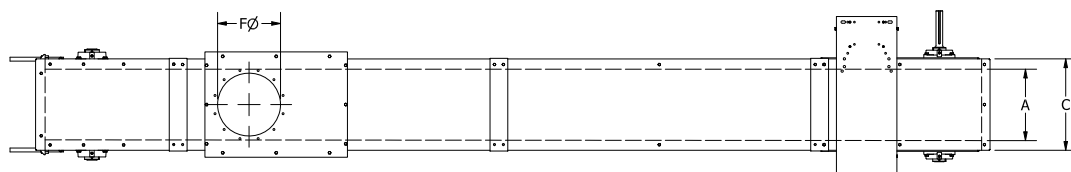
- Width - 12" (304 mm)
- Height - 18" (457 mm)
- Max length - 175' (53.34 m)
- Chain (to 120') - roller 81X
Chain (over 120') - roller 81H
- Number of sprocket teeth - 17
- Chain service factor is 8 or greater
- Capacities based on clean #2 dry shelled corn weighing 56 lbs/bushel

Dimensions										
Size	A	B	C	D	E	F Ø	G SQ	H	J	K
in	12	18	16	24	36	16	16	12	6	30
mm	304	457	406	609	914	406	406	305	152	762

Horse Power Chart							
Discharge Length		Capacity BPH					Reducer Size
		8000	8500	9000	9500	10000	
		Capacity MTPH					
FT	M	203	216	229	242	254	
10	3.05	2	2	2	2	2	TA1
15	4.57	2	2	3	3	3	
20	6.10	3	3	3	3	3	
25	7.62	3	5	5	5	5	TA2
30	9.14	5	5	5	5	5	
35	10.67	5	5	5	5	7.5	TA3
40	12.19	5	7.5	7.5	7.5	7.5	
45	13.72	7.5	7.5	7.5	7.5	7.5	
50	15.24	7.5	7.5	7.5	7.5	7.5	
55	16.76	7.5	7.5	7.5	10	10	
60	18.29	7.5	10	10	10	10	
65	19.81	10	10	10	10	10	
70	21.34	10	10	10	10	15	TA4
75	22.86	10	10	15	15	15	
80	24.38	10	15	15	15	15	
85	25.91	15	15	15	15	15	
90	27.43	15	15	15	15	15	
95	28.96	15	15	15	15	15	
100	30.48	15	15	15	15	15	

Horse Power Chart							
Discharge Length		Capacity BPH					Reducer Size
		8000	8500	9000	9500	10000	
		Capacity MTPH					
FT	M	203	216	229	242	254	
105	32.00	15	15	15	15	20	TA5
110	33.53	15	15	15	20	20	
115	35.05	15	15	20	20	20	
120	36.58	15	20	20	20	20	
125	38.10	15	20	20	20	20	
130	39.62	20	20	20	20	20	
135	41.15	20	20	20	20	25	
140	42.67	20	20	20	20	25	
145	44.20	20	20	20	25	25	
150	45.72	20	20	25	25	25	
155	47.24	20	20	25	25	25	
160	48.77	20	25	25	25	25	
165	50.29	20	25	25	25	25	
170	51.82	25	25	25	25	30	TA6
175	53.34	25	25	25	25	30	

Based on Dodge TA Reducers Class II
Chart based on #2 dry shelled corn at 56lbs/bushel



Specifications

Capacity		Speed		Chain Rating		Max Pull		Sprocket	Material		Depth		Fill
BPH	MTPH	FPM	m/s	Lbs	kN	Lbs	kN	RPM	lb/ft	kg/m	in	mm	%
10000	254	148	0.752	42000	186.83	5091	22.65	40.0	67.60	100.60	12.63	320	70
10500	266	155	0.787	42000	186.83	5104	22.70	41.75	67.80	100.90	12.66	321	70
11000	279	162	0.823	42000	186.83	4990	22.20	43.5	67.90	101.05	12.69	322	71
11500	292	169	0.859	42000	186.83	5100	22.69	45.5	68.10	101.34	12.72	323	71
12000	304	177	0.899	42000	186.83	5050	22.46	47.75	67.90	101.05	12.69	322	70

- Width - 16" (406 mm)
- Height - 18" (457 mm)
- Max Length - 175' (53.34 m)
- Chain (to 150') - roller 81X
Chain (over 150') - roller 81H
- Number of sprocket teeth - 17
- Chain service factor is 8 or greater
- Capacities based on clean #2 dry shelled corn weighing 56 lbs/bushel

Dimensions

Size	A	B	C	D	E	F Ø	G SQ	H	J	K
in	16	18	20	19	36	16	16	12	6	30
mm	406	457	508	483	914	406	406	305	152	762

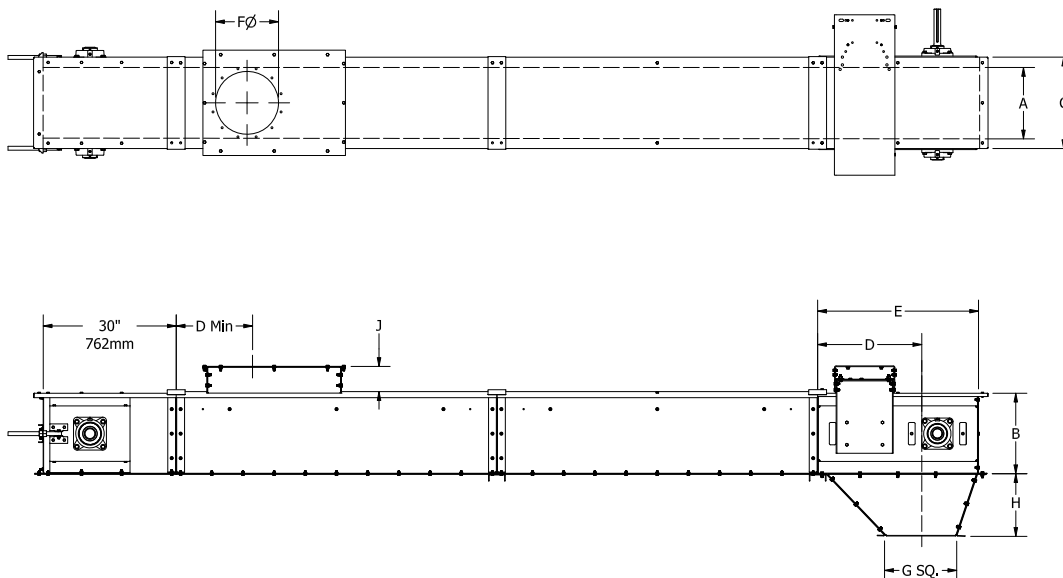
Horse Power Chart

Horse Power Chart							
Discharge Length		Capacity BPH					Reducer Size
		10000	10500	11000	11500	12000	
		Capacity MTPH					
FT	M	254	266	279	292	304	
10	3.05	2	2	2	2	2	TA1
15	4.57	3	3	3	3	3	
20	6.10	5	5	5	5	5	TA2
25	7.62	5	5	5	5	5	
30	9.14	5	7.5	7.5	7.5	7.5	TA3
35	10.67	7.5	7.5	7.5	7.5	7.5	
40	12.19	7.5	7.5	7.5	7.5	10	TA4
45	13.72	7.5	7.5	10	10	10	
50	15.24	10	10	10	10	15	
55	16.76	10	10	10	10	15	
60	18.29	10	10	15	15	15	
65	19.81	15	15	15	15	15	
70	21.34	15	15	15	15	15	
75	22.86	15	15	15	15	15	
80	24.38	15	15	15	15	15	

Based on Dodge TA Reducers Class II
Chart based on #2 dry shelled corn at 56lbs/bushel

Horse Power Chart

Horse Power Chart							
Discharge Length		Capacity BPH					Reducer Size
		10000	10500	11000	11500	12000	
		Capacity MTPH					
FT	M	254	266	279	292	304	
85	25.91	15	15	15	15	20	TA5
90	27.43	15	15	20	20	20	
95	28.96	15	20	20	20	20	
100	30.48	20	20	20	20	20	
105	32.00	20	20	20	20	20	
110	33.53	20	20	20	20	25	
115	35.05	20	20	20	25	25	
120	36.58	20	20	25	25	25	
125	38.10	20	25	25	25	25	
130	39.62	20	25	25	25	25	
135	41.15	25	25	25	25	25	
140	42.67	25	25	25	25	30	TA6
145	44.20	25	25	25	30	30	
150	45.72	25	25	30	30	30	
155	47.24	25	25	30	30	30	
160	48.77	25	30	30	30	30	
165	50.29	-	30	30	30	-	
170	51.82	-	30	-	-	-	
175	53.34	-	30	-	-	-	





Specifications													
Capacity		Speed		Chain Rating		Max Pull		Sprocket	Material		Depth		Fill
BPH	MTPH	FPM	m/s	Lbs	kN	Lbs	kN	RPM	lb/ft	kg/m	in	mm	%
15000	381	119	0.605	85500	380.32	10098	44.92	22.00	126.10	187.66	17.96	456	75
16000	406	127	0.645	85500	380.32	10086	44.86	23.50	126.00	187.51	17.93	455	75
17000	431	135	0.686	85500	380.32	10075	44.82	25.00	125.80	187.21	17.91	454	75
18000	457	143	0.726	85500	380.32	10065	44.77	26.50	125.70	187.06	17.89	454	75
19000	482	151	0.767	85500	380.32	10056	44.73	28.00	125.50	186.76	17.87	453	74
20000	508	159	0.808	85500	380.32	10048	44.70	29.50	125.40	186.62	17.86	454	74

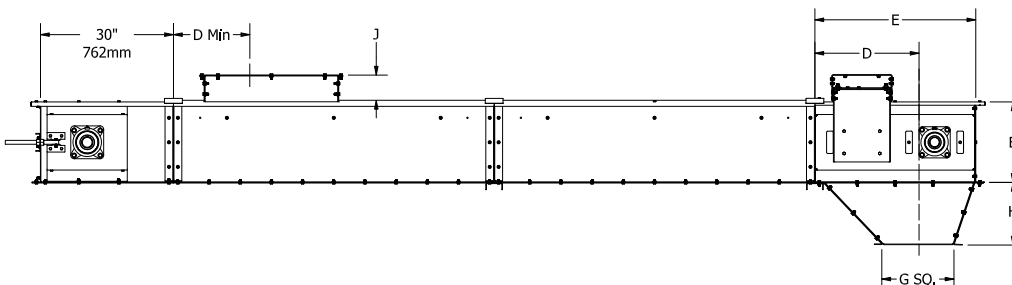
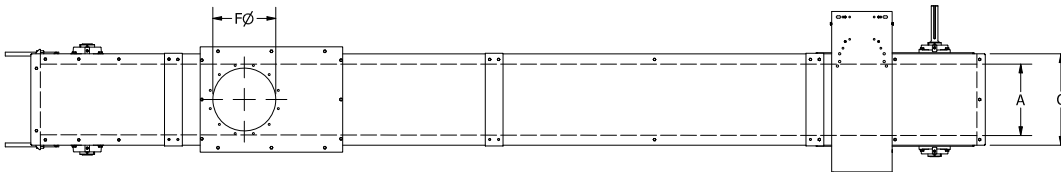
- Width - 21" (533 mm)
- Height - 24" (610 mm)
- Max length - 175' (53.34 m)
- Chain standard - WR124HD
- Number of sprocket teeth - 16
- Chain service factor is 8 or greater
- Capacities based on clean #2 dry shelled corn weighing 56 lbs/bushel

Dimensions										
Size	A	B	C	D	E	F Ø	G SQ	H	J	K
in	21	24	25	26	46	20	20	12	6	43
mm	533	609	635	660	1168	508	508	305	152	1092

Horse Power Chart								
Discharge Length		Capacity BPH						Reducer Size
		15000	16000	17000	18000	19000	20000	
		Capacity MTPH						
FT	M	381	406	431	457	482	508	
10	3.05	3	3	3	3	5	5	TA3
15	4.57	5	5	5	5	5	5	
20	6.10	5	7.5	7.5	7.5	7.5	7.5	
25	7.62	7.5	7.5	7.5	7.5	10	10	TA5
30	9.14	7.5	10	10	10	10	10	
35	10.67	10	10	10	15	15	15	
40	12.19	10	15	15	15	15	15	
45	13.72	15	15	15	15	15	15	
50	15.24	15	15	15	15	20	20	TA6
55	16.76	15	15	20	20	20	20	
60	18.29	15	20	20	20	20	20	
65	19.81	20	20	20	20	25	25	TA7
70	21.34	20	20	20	25	25	25	
75	22.86	20	20	25	25	25	25	
80	24.38	20	25	25	25	30	30	
85	25.91	25	25	25	30	30	30	
90	27.43	25	25	30	30	30	30	

Horse Power Chart								
Discharge Length		Capacity BPH						Reducer Size
		15000	16000	17000	18000	19000	20000	
		Capacity MTPH						
FT	M	381	406	431	457	482	508	
95	28.96	25	30	30	30	30	40	TA8
100	30.48	25	30	30	30	40	40	
105	32.00	30	30	30	40	40	40	
110	33.53	30	30	40	40	40	40	
115	35.05	30	40	40	40	40	40	
120	36.58	30	40	40	40	40	40	
125	38.10	40	40	40	40	40	50	TA9
130	39.62	40	40	40	40	50	50	
135	41.15	40	40	40	50	50	50	
140	42.67	40	40	40	50	50	50	
145	44.20	40	40	50	50	50	50	
150	45.72	40	40	50	50	50	50	
155	47.24	40	50	50	50	50	60	
160	48.77	40	50	50	50	60	60	
165	50.29	50	50	50	50	60	60	
170	51.82	50	50	50	60	60	60	
175	53.34	50	50	50	60	60	60	

Based on Dodge TA Reducers Class II
Chart based on #2 dry shelled corn at 56lbs/bushel



Straight Incline Conveyors

SCAFCO straight incline conveyors are used when the angle is too great for a standard drag conveyor. Inclined all-galvanized double-bottom incline chain conveyors offer flexibility to raise product from a lower level to a higher level without using an elevator (from receiving pits to elevator boot, from dryer to elevator, etc.)

All SCAFCO conveyors are finished with corrosion-resistant **G115** (min. 350 grams/m² zinc) galvanized coating, giving a durable, long-lasting, quality finish.

Lengths are flexible depending on the requirement of the site to reach the next elevator or conveyor.

Angles of incline range from 5° to 45°.

Grain is pulled to the discharge point in the conveyor trough and chain returns in the top trough. Paddles are large "U" shaped UHMW flights to prevent grain from cascading down the inclined section of the conveyor.

Specifications				
Capacity*	BPH	MTPH	Width	Height
ID1220	5000	125	12	20
ID1624	9000	225	16	24
ID2124	12000	300	21	24
ID2127	14000	350	21	27

*Capacities based on #2 dry shelled corn at 56lbs/bushel and chain speed at 175fpm.

Notes:

1. Above dimension are site specific and can not be charted.

Features:

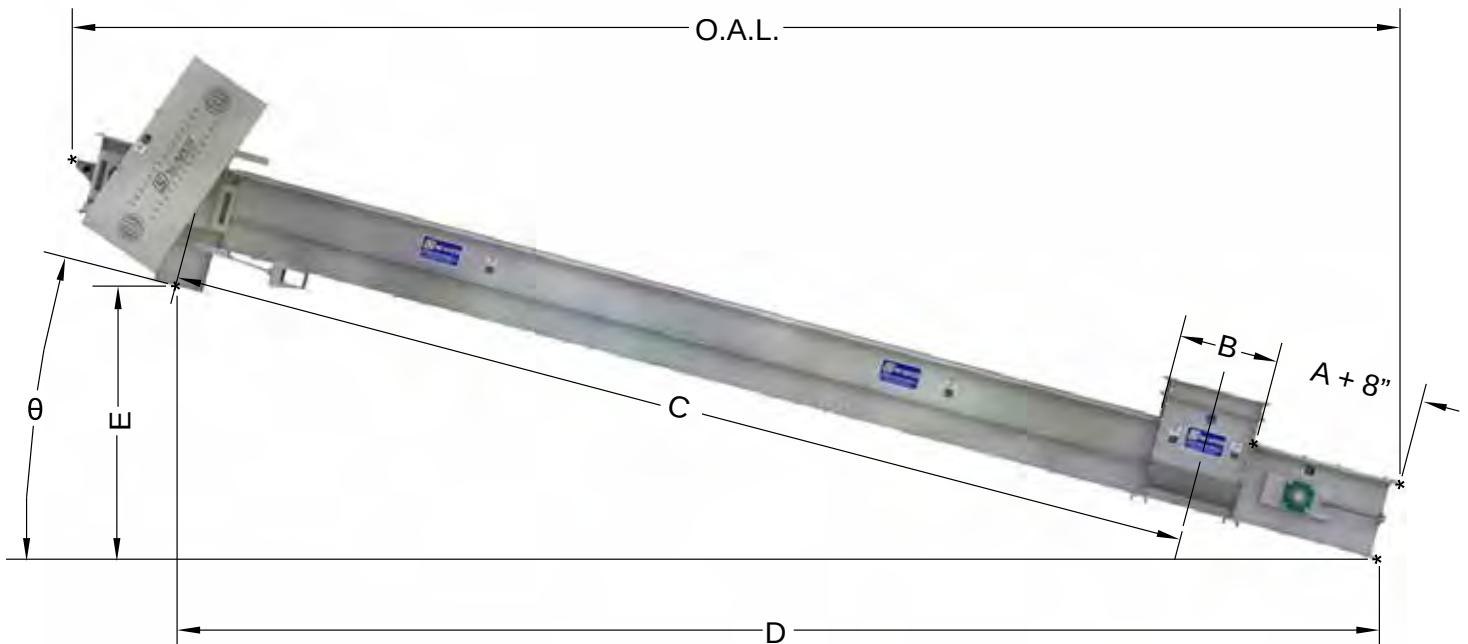
- Double Bottom Design
- Up to 45° incline
- Bypass Inlet Hoppers

Options:

- Abrasion-resistant steel wear liners with recessed fasteners for removal or replacement
- Slack chain switch
- Plugged head switch
- Split sprockets

Common Dimensions:

- $A + 8" = 3'10"$ (1,168 mm)
- $B = 2'0"$ to $6'0"$ (610 mm to 1,829 mm)
- $D = 4'0"$ (1,219 mm)
- $\Phi = 5^\circ$ to 45°



Inclined Conveyors (IDC's)

SCAFCO Inclined all-galvanized double-bottom chain conveyors (IDC's) offer flexibility to raise product from a lower level to a higher level without using an elevator (from receiving pits to elevator boot, from dryer to elevator, etc.)

All SCAFCO conveyors are finished with corrosion-resistant **G115** (min. 350 grams/m2 zinc) galvanized coating, giving a durable, long-lasting, quality finish.

Lengths are flexible depending on the horizontal distance and inclined heights required to reach the next elevator or conveyor.

Angles of incline range from 5° to 45° with 30° and 45° being the most common inclines.

Grain is pulled to the discharge point in the conveyor trough and chain returns in the top trough. Paddles are large "U" shaped UHMW flights to prevent grain from cascading down the inclined section of the conveyor.

Specifications				
Capacity*	BPH	MTPH	Width	Height
IDC1220	5000	125	12	20
IDC1624	9000	225	16	24
IDC2124	12000	300	21	24
IDC2127	14000	350	21	27

*Capacities based on #2 dry shelled corn at 56lbs/bushel and chain speed at 175fpm.

Notes:
1. Above dimension are site specific and can not be charted.
2. Horse power chart can not be created for same reason as note 1

Features:

- Combination straight & inclined conveyor
- Up to 45° incline
- Bypass Inlet Hoppers

Options:

- Abrasion-resistant steel wear liners with recessed fasteners for removal or replacement
- Slack chain switch
- Plugged head switch
- Split sprockets

Common Dimensions:

- A + 8" = 3'10" (1,168 mm)
- B = 2'0" to 6'0" (610 mm to 1,829 mm)
- D = 4'0" (1,219 mm)
- Φ = 5° to 45°





Commercial and Farm Bins

- 12' (3.66 m) to 138' (42.06 m) in diameter, 3' (0.91 m) increments
- 21 metric tons (773 bushels) up to 32,856 metric tons (1.2 million bushels) capacity
- 2-2/3" pitch and 1/2" deep corrugation (68 mm x 13 mm)
- 42-2/3" (1.08 m) tall galvanized wall sheets
- USA domestic mill certified steel



Hopper Bottom Bins

- 6' (1.83 m) to 36' (10.97 m) in diameter, 3' (0.91 m) increments
- 3.6 metric tons (132 bushels) up to 1,515 metric tons (55,928 bushels)
- 100% galvanized roof support structure
- Deep rib roof panels for additional support



Towers and Catwalks

- Custom designed to meet project requirements including live loads, wind speed, and seismic zone
- Bolt together galvanized steel
- 48", 58", and 68" (1220 mm, 1473 mm, and 1727 mm) standard widths
- Clear spans up to 50' (15.25 m)
- 50,000 PSI yield strength (345 MPa)
- **G115** galvanized coating (min. 350 grams/m² zinc), optional G140 (min. 450 grams/m² zinc)



Aeration Systems

- Install in new or existing storage facilities
- Rigid corrugated perforated aeration ducts made from heavy gauge galvanized steel
- 46 models of centrifugal and axial fans are available
- 50 and 60 Hz frequency available
- Flush floor aeration, perforated plank floor, double H-pattern systems, and commercial quad 'F' are available on bins
- Rigid perforated and corrugated galvanized steel pipe for hopper bottom bins

For additional information on these or other SCAFCO products please visit www.SCAFCOgrain.com
Specifications subject to change without notice.



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