

Ross Manufacturing Co., Inc.

Quality Grain Handling Equipment Since 1956



9415 Highway 54 W. • Brownsville, TN 38012

Phone: 800-874-1935 • www.rossmfgco.com

Rm



ROSS MANUFACTURING COMPANY, INC.

9415 HIGHWAY 54 WEST
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Dear Friends,

Thank you for taking a moment to read our letter of introduction. We are a family owned business and we have been manufacturing grain handling and feed mill equipment since 1956.

Here at Ross Manufacturing Company, we are capable of manufacturing equipment from a large commercial installation to a single angle flange. Your specifications or ours; we are ready to work with you, and there is no minimum order.

We are proud of our equipment for many reasons. Making feed mills since 1956 is in itself something to be proud of. We are one of the few bucket elevator companies that manufacture its own pulleys. Our augers are heavily constructed to meet the most demanding jobs. We also manufacture screw and drag conveyors, distributors, vertical mixers and a large line of grain handling accessories. We also carry a variety of spouting.

Ross Manufacturing Company, as always, stand behind our products and will continue to search for new ways to serve our customers and provide more value for the dollar. For your convenience, we also have many items available for same day shipping.

Should you have any requirements or questions, please do not hesitate to give us a call at 1-800-874-1935, or visit our website at www.rossmfgco.com

We are looking forward to hearing from you and hope to serve you soon.

Sincerely,

Buddy Autry
Vice President

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* FEED MILL EQUIPMENT – PLEASE CONTACT OFFICE FOR INFORMATION



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Policy and Sale Conditions

RECEIVING MERCHANDISE AND FILING CLAIMS

When receiving merchandise it is important to check both the number of parts and their description with the bill of lading. The consignee must make all claims for freight damage or shortage within 10 days from date of delivery. In the event of freight damage the consignee should accept the shipment after noting the damage on the delivery receipt, reorder replacement parts and file claim to cover the loss.

When the material leaves the factory it becomes the property of the consignee. It is the responsibility of the consignee to file claim on any possible damage or loss. Please list your preferred routing on purchase orders and we will specify this on the bill of lading.

WARRANTY

Ross Mfg. Co. guarantees all equipment to be of good workmanship, to be made of good materials and to do the work for which designed, when set up and operated according to instructions. All products must be assembled according to instructions provided and all safety shields must be installed prior to startup. Ross Mfg. Co. shall not be responsible for more than the cost for the defective part. Ross Mfg. Co. agrees to replace free of charge any part which proves defective within 90 days from the date of purchase, to the original purchaser only. The company is to be notified in writing within 30 days from date of failure and the defective part returned prepaid if requested. This warranty covers only such parts that are manufactured by Ross Mfg. Co. and does not extend to component parts used in equipment.

GENERAL TERMS & CONDITIONS OF SALE

Firms rated by Dun and Bradstreet with a "Composite Credit Appraisal" of "good" or "high" and having adequate financial strength will be placed on open account terms.

Firms not rated by Dun and Bradstreet will be C.O.D. until Ross Mfg. Co. has been provided with appropriate credit references and information. If these meet above mentioned financial requirements, the firm will be put on open account.

WARRANTY
ROSS MANUFACTURING COMPANY, INC.



WARRANTY: There are no warranties, expressed or implied, made by Ross Mfg. Co. to the customer with respect to the products, parts and accessories furnished hereunder except as follows:

We guarantee to the original purchaser for a period of ninety (90) days from the date of purchase to furnish, F.O.B. factory, new or remanufactured part(s) or component(s); which proves defective in material or workmanship in any part of a product manufactured by Ross Mfg. Co.

This warranty does not apply to sales of used equipment, damage resulting from accident, alteration, misuse or abuse, natural wear and tear, nor to products, accessories, parts of attachments, which were not manufactured by Ross Mfg. Co., except to the extent of the guarantee given by the actual manufacturer.

Electric motors and gasoline engines are under the manufacturer's warranty and any claim for warranty adjustment should be handled direct with the manufacturer or their authorized service station.

In no event shall Ross Mfg. Co. be liable for consequential damages or losses resulting from any defect. Ross Mfg. Co. shall not be responsible for the erection or installation of any equipment.

We do not guarantee any part or product to meet local, municipal, state or national laws or regulations. This instrument sets forth the only warranty, express or implied, upon which this sale is made. Ross Mfg. Co. neither assumes nor authorizes any person to assume for it any other obligation in connection with sale of Ross Mfg. Co.'s equipment.

DISCLAIMER OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH EXCEEDS THE OBLIGATION, SET FORTH ABOVE, ARE HEREBY DISCLAIMED BY ROSS MANUFACTURING CO., INC.



READ CAREFULLY BEFORE OPERATING YOUR EQUIPMENT

NOTE: Post where your employees can read. Extra copies available upon request.

USE AND LOCATION OF MACHINE CONTROLS

1. Anyone who can be expected to work around machinery should be trained how to use controls, especially in emergency situations.
2. Don't start machinery until everyone is clear.
3. Shut machine and power off to make adjustments. Use lockout/tagout procedures.
4. Mount controls for electric motors at a convenient place but a safe distance from the machine.

GENERAL

1. Never use your hands to help machine along when it plugs or slips.
2. Don't act impulsively around farm machinery.
3. Any worker tired and under pressure is more apt to have an accident. Give him extra breaks or a different job.
4. Use ample overhead lights after dark to illuminate work area.
5. When climbing on elevators, always use a safety climbing device or ladders provided with the required cages.
6. Use caution when checking the cup fill at the inspection section.
7. Wear close fitting clothing when working around machinery.
8. Keep clear of shafts and other moving parts when working near them.
9. Keep feet and hands away from all moving parts such as auger intake, elevator buckets, belts, etc.

BELT AND PULLEY

1. Always shut off power and motors before replacing or adjusting belts.
2. Adjust belt tension when belt starts slipping never hit or pull on belt.

CHAINS

1. Always shut off power and motors before replacing or adjusting chains.
2. Replace shielding after making adjustments.
3. Maintain proper chain adjustment.
4. Keep hand clear of sprocket when putting chain back on.

CHILDREN

1. Keep small children and youngsters away from the work area. Don't allow them to work.
2. Supervise inexperienced workers closely and don't allow them near unguarded shafts, chains, etc.

EQUIPMENT MAINTENANCE AND REPAIR

1. Routinely check equipment for hazardous conditions and repair them immediately.
2. Make sure all controls function properly before using equipment.
3. Disconnect power source before starting machine repair. Use lockout/tagout procedures.

FAILURE TO FOLLOW THE ABOVE MAY RESULT IN PERSONAL INJURY

EXPLANATION OF BUCKET ELEVATOR SHEET

For the most part our elevator sheets are self-explanatory. However, some areas need brief explanation. Please review the items listed before using the price list.

CAPACITY RATINGS

All equipment is rated on the basis on No. 2 Yellow Corn at 15% moisture. High moisture content will tend to modify the performance of the equipment. Various materials will perform at different levels depending upon their density, moisture content and other variables such as feeding devices, spouting sizes and velocities. All horsepower calculations are based on the capacity ratings, 56 lbs. per bushel corn plus drive friction losses, input feed pressures, and normal safety factors are added.

Downspout selection should be on the following figures, based on velocity in the grain flow, maximum spouting capacity is as follows: 6"=2100 BPH, 8"=3800 BPH, 10"=5900 BPH, 12"=8500 BPH, 14"=11,500BPH, 16"=15,082 BPH, 18"=19,087 BPH, 20"=23,565 BPH.

You will note we give our capacities in WL (Water Level) + 10% because capacities vary with moisture and different grains. We recognize that the WL + 10% bucket fill capacity is the best figure to use, however, competitive comparisons may use higher capacities that may be unrealistic.

All elevator heights are given as Discharge Heights, consult individual specification sheets for overall heights.

1. Remember when you don't order the drive, you'll still need a guard for the drive so don't forget to order one and specify drive size, motor size, and approximate centers between motor shaft and drive shaft.
2. BE SURE TO SPECIFY bucket type; either polyethylene or steel buckets, and vented or nonvented on your elevator order. Polyethylene buckets can add to your belt life since they are lighter and do not impose the added weight the steel buckets do.
3. BE SURE TO SPECIFY YOUR DRIVE PACKAGE ASSEMBLED TO HEAD, this will insure you of proper fit-up and alignment and proper belt sizes.
4. We know there are a lot of bucket elevators sold with a customer misconception of actual capacity. For that reason, we are putting a sheet entitled "How to Estimate the Capacity of an Elevator" on the back of this page. Use it! Insist that all suppliers put in writing a 100%, 90%, 75%, WL + 10%, or any other rating of the unit being quoted.



HOW TO ESTIMATE THE CAPACITY OF AN ELEVATOR

To find the capacity of any elevator, it is necessary to ascertain the contents of the cup in cubic inches, the spacing of cup on belt, and the speed of the belt in feet per minute. Then proceed as follows. Multiply the WL+10% content of cup with the multiplier given in table below; the results will be the content in cubic inches of every running foot of belt. Multiply this with the belt speed which gives the cubic inches of discharge per minute. Multiply this by 60 which gives the discharge in cubic inches per hour. Divide the results by 2150 (which is the content of cubic inches in one bushel) for bushels per hour or by 1728 for cubic feet per hour.

| Spacing on Belt in ins. | 4 | 4 ½ | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 13 ½ | 14 |
|-------------------------|------|-------|-----|------|-------|------|-------|------|-------|------|------|------|------|
| Multiplier | 3.00 | 2.667 | 2.4 | 2.00 | 1.714 | 1.50 | 1.333 | 1.20 | 1.091 | 1.00 | .923 | .889 | .857 |

For any odd spacing not given, divide 12 by the spacing in inches for multiplier.

| APPROXIMATE BUCKET CAPACITY IN CUBIC INCHES These capacities are based on TAPCO Polyethylene "CC" style buckets. | | | | |
|--|---------|---------|----------|---------|
| Bucket Size | WL | | WL + 10% | |
| | Cu. In. | Cu. Ft. | Cu. In. | Cu. Ft. |
| 6 x 4 | 43.3 | .0251 | 47.6 | .0276 |
| 6 x 5 | 68.3 | .0395 | 75.1 | .0435 |
| 9 x 5 | 97.9 | .0567 | 107.7 | .0623 |
| 9 x 6 | 135.9 | .0786 | 149.5 | .0865 |
| 10 x 6 | 150.4 | .0870 | 165.4 | .0957 |
| 11 x 6 | 173.4 | .1003 | 190.7 | .1104 |
| 12 x 6 | 185.4 | .1073 | 203.9 | .1180 |
| 13 x 6 | 203.8 | .1179 | 224.2 | .1297 |
| 14 x 6 | 198.3 | .1148 | 218.1 | .1262 |
| 12 x 7 | 248.2 | .1436 | 273.0 | .1580 |
| 14 x 7 | 301.9 | .1747 | 332.1 | .1922 |
| 15 x 7 | 331.4 | .1918 | 364.5 | .2110 |
| 16 x 7 | 346.5 | .2005 | 381.2 | .2206 |
| 16 x 8 | 511.1 | .2958 | 562.2 | .3254 |
| 18 x 8 | 564.4 | .3266 | 620.8 | .3593 |

| DIAMETER AND CIRCUMFERENCE OF PULLEYS | | |
|---------------------------------------|------------------|-----------------------|
| Diameter in inches | Diameter in feet | Circumference in feet |
| 8 | .66 | 2.07 |
| 9 | .75 | 2.35 |
| 10 | .84 | 2.64 |
| 11 | .92 | 2.89 |
| 12 | 1.00 | 3.14 |
| 13 | 1.08 | 3.39 |
| 14 | 1.16 | 3.64 |
| 16 | 1.33 | 4.18 |
| 18 | 1.50 | 4.71 |
| 20 | 1.66 | 5.21 |
| 24 | 2.00 | 6.28 |
| 30 | 2.50 | 7.85 |
| 36 | 3.00 | 9.42 |
| 42 | 3.50 | 10.99 |
| 48 | 4.00 | 12.57 |

*Tapco recommends using WL (Water Level) fill + 10% usable capacity. A gross capacity figure is no longer provided as it is inappropriate for rating an elevator bucket.

| | | | | | | | |
|------------|---------|---|---------------|-------|-----------|---------------|-----------|
| WL + 10% | | | | | | | |
| CU. INCHES | 9" | | CU. INS. PER. | BELT | DISCHARGE | DISCH. | CU. INS. |
| 9x6 CUP | SPACING | | FOOT BELT | SPEED | MINUTE | HOURLY | IN BU. |
| 149.5 | X 1.333 | = | 199.28 | X 445 | = | 88,679.6 X 60 | = |
| | | | | | | 5,320,776 | ÷ 2150 |
| | | | | | | | = 2,474.8 |

BUCKET ELEVATOR SELECTION CHART

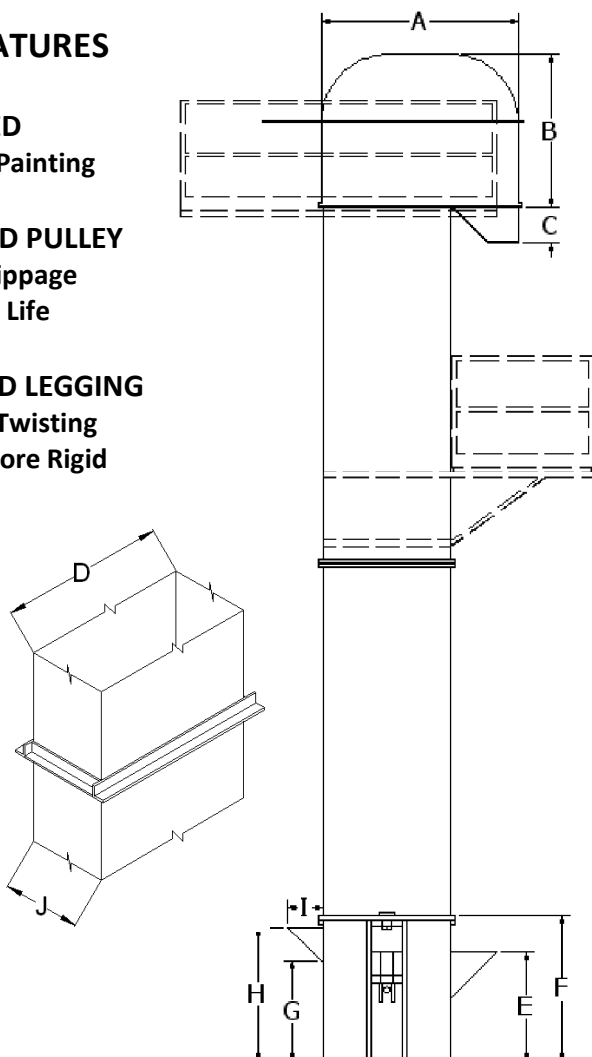
| Model | Capacity Bushel | Pulley Size | R.P.M. | Belt Speed | Cup Size | Cup Centers | Belt Width | Leg Size |
|--------|--------------------|----------------|--------|---------------|-------------|----------------|---------------|-------------|
| A-8-1 | 295-WL + 10% | 8" | 120 | 251 | 6 x 4 | 13.5" | 7" | 10" x 21" |
| A-8-2 | 440-WL + 10% | 8" | 120 | 251 | 6 x 4 | 9" | 7" | 10" x 21" |
| A-8-3 | 885-WL + 10% | 8" | 120 | 251 | 6 x 4 | 4.5" | 7" | 10" x 21" |
| B-16-1 | 1150-WL + 10% | 16" | 100 | 418 | 6 x 5 | 9" | 7" | 9" x 10" |
| B-16-2 | 1750-WL + 10% | 16" | 100 | 418 | 6 x 5 | 6" | 7" | 9" x 10" |
| C-24-1 | 1850-WL + 10% | 24" | 71 | 445 | 9 x 6 | 12" | 10" | 10" x 13" |
| C-24-2 | 2450-WL + 10% | 24" | 71 | 445 | 9 x 6 | 9" | 10" | 10" x 13" |
| C-24-3 | 3150-WL + 10% | 24" | 71 | 445 | 9 x 6 | 7" | 10" | 10" x 13" |
| D-30-1 | 3800-WL + 10% | 30" | 71 | 557 | 12 x 6 | 10" | 13" | 12" x 16" |
| D-30-2 | 4200-WL + 10% | 30" | 71 | 557 | 12 x 6 | 9" | 13" | 12" x 16" |
| D-30-3 | 4750-WL + 10% | 30" | 71 | 557 | 12 x 6 | 8" | 13" | 12" x 16" |
| E-36-1 | 5075-WL + 10% | 36" | 71 | 669 | 12 x 7 | 12" | 13" | 12" x 16" |
| E-36-2 | 6100-WL + 10% | 36" | 71 | 669 | 12 x 7 | 10" | 13" | 12" x 16" |
| E-36-3 | 6775-WL + 10% | 36" | 71 | 669 | 12 x 7 | 9" | 13" | 12" x 16" |
| E-36-4 | 8500-WL + 10% | 36" | 71 | 669 | 16 x 7 | 10" | 17" | 12" x 21" |
| E-36-5 | 9450-WL + 10% | 36" | 71 | 669 | 16 x 7 | 9" | 17" | 12" x 21" |
| E-36-6 | 10,650-WL + 10% | 36" | 71 | 669 | 16 x 7 | 8" | 17" | 12" x 21" |
| F-48-1 | 10,425-WL + 10% | 48" | 53 | 665 | 16 x 8 | 12" | 17" | 14" x 22" |
| F-48-2 | 12,500-WL + 10% | 48" | 53 | 665 | 16 x 8 | 10" | 17" | 14" x 22" |
| F-48-3 | 15,125-WL + 10% | 48" | 58 | 728 | 18 x 8 | 10" | 19" | 14" x 24" |

All capacities are based on No. 2 Yellow Corn at 15% moisture. All elevators are equipped with crowned and lagged head pulleys, high density polyethylene buckets, inspection section and PVC belting.

MODEL - A - GALVANIZED BUCKET ELEVATOR 210 TO 1,260 B.P.H. *

ROSS FEATURES

- **GALVANIZED**
Eliminates Painting
- **LARGE HEAD PULLEY**
Less Belt Slippage
Longer Belt Life
- **ALL WELDED LEGGING**
Eliminates Twisting
Stronger More Rigid



| A | B | C | D | E |
|-----|-------|-------|-----|-----|
| 34" | 26.5" | 7.25" | 21" | 22" |
| F | G | H | I | J |
| 42" | 18" | 28" | 11" | 10" |

| MODEL | A-8-1 | A-8-2 | A-8-3 |
|-------------------|----------|---------|----------|
| CAPACITY | 210-315 | 315-630 | 630-1260 |
| CUP SPACE | 13 ½" | 9" | 4 ½" |
| SPOUTING | 6" | | |
| RPM | 120 | | |
| BELT SPEED | 251 | | |
| PULLEY | 8" | | |
| CUP SIZE | 6 x 4 | | |
| BELT | 7" | | |
| HEAD SHAFT | 1 7/16" | | |
| HEAD SHELL | 12 GAUGE | | |
| BOOT SHELL | 12 GAUGE | | |
| LEGGING | 14 GAUGE | | |

ACCESSORIES & OPTIONS

Head Service Platform
 Distributor Service Platform (48"x72")
 Distributor Service Platform (24"x72")
 Discharge transition to square.
 Discharge transition to round.
 ¼" Urethane lined discharge trans.
 Slide lagged head pulley
 (A) ¼" Urethane head liner
 (replaces 10 ga steel liner)
 (B) ¼" Urethane head liner
 (adds urethane liner to sides)
 Extra boot hopper
 Add for lined boot hopper
 Pressure relief vent in head
 Winged boot pulley

Note: Other liner options available, please call for more information.

Standard 84" service door for installation of belt and cups
 Head bonnet & lower head 10 gauge steel liner & inspection door standard.

Welded legging eliminates twisting allowed in lock form construction and gives a stronger and more rigid leg. All welds are regalvanized with a 94% zinc compound that meets and exceeds the specifications of the Bureau of Ships of the United States Navy Mil-P-21035. Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60lb. material.

* Based on CC-HD style buckets only.

MODEL – A – GALVANIZED BUCKET ELEVATOR

| | | | | | | |
|------------------------|---------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------|
| Bucket Size 6" x 4" | | Casing Size 21" x 10" | | Pulley DIA RPM 8" 120 | | Belt FPM 251 |
| Belt 7" | Head Shell 12 GA | Boot Shell 12 GA | Legging 14 GA Standard | | Spouting 6" | |

| <u>A-8-1</u> (13 1/2" Cup Spacing) | | | | <u>A-8-2</u> (9" Cup Spacing) | | | | <u>A-8-3</u> (4 1/2" Cup Spacing) | | | |
|--|------|-----|--------|---|------|-----|--------|---|------|-----|--------|
| 295 BPH Capacity @ WL + 10% | | | | 440 BPH Capacity @ WL + 10% | | | | 885 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 18' | 652 | 1 | 1 7/16 | 18' | 652 | 1 | 1 7/16 | 18' | 685 | 1 | 1 7/16 |
| 23' | 752 | 1 | 1 7/16 | 23' | 773 | 1 | 1 7/16 | 23' | 810 | 1 | 1 7/16 |
| 28' | 852 | 1 | 1 7/16 | 28' | 878 | 1 | 1 7/16 | 28' | 935 | 1 | 1 7/16 |
| 33' | 952 | 1 | 1 7/16 | 33' | 983 | 1 | 1 7/16 | 33' | 1160 | 1.5 | 1 7/16 |
| 38' | 1052 | 1 | 1 7/16 | 38' | 1088 | 1 | 1 7/16 | 38' | 1185 | 1.5 | 1 7/16 |
| 43' | 1152 | 1 | 1 7/16 | 43' | 1193 | 1 | 1 7/16 | 43' | 1310 | 1.5 | 1 7/16 |
| 48' | 1252 | 1 | 1 7/16 | 48' | 1298 | 1 | 1 7/16 | 48' | 1425 | 1.5 | 1 7/16 |
| 53' | 1352 | 1 | 1 7/16 | 53' | 1403 | 1 | 1 7/16 | 53' | 1560 | 2 | 1 7/16 |
| 58' | 1452 | 1 | 1 7/16 | 58' | 1508 | 1 | 1 7/16 | 58' | 1685 | 2 | 1 7/16 |
| 63' | 1552 | 1 | 1 7/16 | 63' | 1613 | 1 | 1 7/16 | 63' | 1810 | 3 | 1 7/16 |
| 68' | 1652 | 1 | 1 7/16 | 68' | 1718 | 1 | 1 7/16 | 68' | 1935 | 3 | 1 7/16 |
| 73' | 1752 | 1 | 1 7/16 | 73' | 1823 | 1.5 | 1 7/16 | 73' | 2060 | 3 | 1 7/16 |
| 78' | 1852 | 1 | 1 7/16 | 78' | 1928 | 1.5 | 1 7/16 | 78' | 2185 | 3 | 1 7/16 |

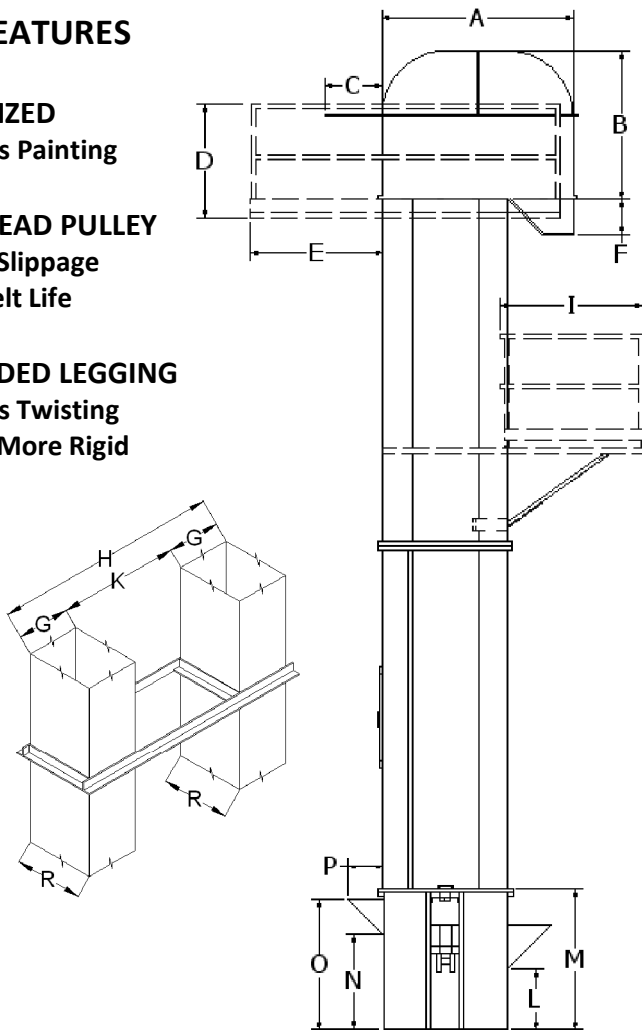
For ladder, cage and rest stop, see accessories section.

Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60 lb. material.

MODEL - B - GALVANIZED BUCKET ELEVATOR 645 TO 1,750 B.P.H. *

ROSS FEATURES

- **GALVANIZED**
Eliminates Painting
- **LARGE HEAD PULLEY**
Less Belt Slippage
Longer Belt Life
- **ALL WELDED LEGGING**
Eliminates Twisting
Stronger More Rigid



| A | B | C | D | E | F | G | H |
|-------|-----|-----|-----|-----|-----|-----|-----|
| 51.5" | 41" | 19" | 42" | 40" | 10" | 9" | 33" |
| I | K | L | M | N | O | P | R |
| 48" | 15" | 21" | 47" | 27" | 41" | 15" | 10" |

| MODEL | B-16-1 | B-16-2 |
|------------|-----------------|----------|
| CAPACITY | 645-1150 | 965-1750 |
| CUP SPACE | 9" | 6" |
| SPOUTING | 6" | 6" |
| RPM | 100 | |
| BELT SPEED | 418 | |
| PULLEY | 16" | |
| CUP SIZE | 6" x 5" | |
| BELT | 7" | |
| HEAD SHAFT | 1 7/16 – 2 3/16 | |
| HEAD SHELL | 11 GAUGE | |
| BOOT SHELL | 11 GAUGE | |
| LEGGING | 14 GAUGE | |

ACCESSORIES & OPTIONS

Head Service Platform
 Distributor Service Platform (48"x72")
 Distributor Service Platform (24"x72")
 Discharge transition to square
 Discharge transition to round
 1/4" Urethane lined discharge trans.
 Slide lagged head pulley
 (A) 1/4" Urethane head liner
 (replaces 10 ga steel liner)
 (B) 1/4" Urethane head liner
 (adds urethane liner to sides)
 Extra boot hopper
 Lined boot hopper
 Pressure relief vent in head
 Winged boot pulley

Note: Other liner options available, please call for more information.

Standard 84" service door for installation of belt and cups
 Head bonnet & lower head 10 gauge steel liner & inspection door standard.

Welded legging eliminates twisting allowed in lock form construction and gives a stronger and more rigid leg. All welds are regalvanized with a 94% zinc compound that meets and exceeds the specifications of the Bureau of Ships of the United States Navy Mil-P-21035. Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60lb. material.

* Based on CC-HD style buckets only.

MODEL – B – GALVANIZED BUCKET ELEVATOR

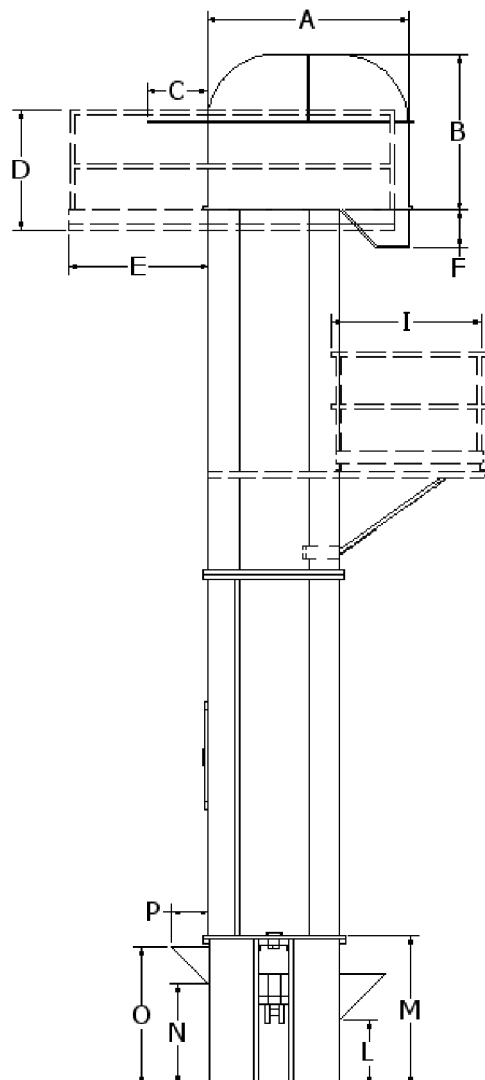
| | | | | | | |
|------------------------|---------------------|-------------------------|---------------------------|------------------------------|----------------|--------------------|
| Bucket Size 6" x 5" | | Casing Size 9" x 10" | | Pulley DIA RPM 16" 100 | | Belt FPM 418 |
| Belt 7" | Head Shell 11 GA | Boot Shell 11 GA | Legging 14 GA Standard | | Spouting 6" | |

| B-16-1 (9" Cup Spacing) | | | | B-16-2 (6" Cup Spacing) | | | |
|-----------------------------------|------|-----|---------|-----------------------------------|------|-----|---------|
| 1150 BPH Capacity @ WL + 10% | | | | 1750 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 23' | 1448 | 2 | 1 7/16 | 23' | 1478 | 2 | 1 7/16 |
| 28' | 1598 | 2 | 1 7/16 | 28' | 1628 | 2 | 1 7/16 |
| 33' | 1715 | 2 | 1 7/16 | 33' | 1745 | 3 | 1 7/16 |
| 38' | 1865 | 3 | 1 7/16 | 38' | 1895 | 3 | 1 7/16 |
| 43' | 1982 | 3 | 1 7/16 | 43' | 2012 | 5 | 1 7/16 |
| 48' | 2132 | 3 | 1 7/16 | 48' | 2162 | 5 | 1 7/16 |
| 53' | 2249 | 3 | 1 7/16 | 53' | 2279 | 5 | 1 7/16 |
| 58' | 2399 | 3 | 1 7/16 | 58' | 2429 | 5 | 1 7/16 |
| 63' | 2516 | 5 | 1 7/16 | 63' | 2546 | 5 | 1 7/16 |
| 68' | 2666 | 5 | 1 7/16 | 68' | 2696 | 5 | 1 7/16 |
| 73' | 2783 | 5 | 1 7/16 | 73' | 2813 | 7.5 | 1 15/16 |
| 78' | 2933 | 5 | 1 7/16 | 78' | 2963 | 7.5 | 1 15/16 |
| 83' | 3050 | 5 | 1 7/16 | 83' | 3080 | 7.5 | 1 15/16 |
| 88' | 3200 | 5 | 1 7/16 | 88' | 3230 | 7.5 | 1 15/16 |
| 93' | 3317 | 7.5 | 1 15/16 | 93' | 3347 | 7.5 | 1 15/16 |
| 98' | 3467 | 7.5 | 1 15/16 | 98' | 3497 | 7.5 | 1 15/16 |
| 103' | 3584 | 7.5 | 1 15/16 | 103' | 3614 | 7.5 | 1 15/16 |
| 108' | 3734 | 7.5 | 1 15/16 | 108' | 3764 | 10 | 2 3/16 |
| 113' | 3851 | 7.5 | 1 15/16 | 113' | 3881 | 10 | 2 3/16 |
| 118' | 4001 | 7.5 | 1 15/16 | 118' | 4031 | 10 | 2 3/16 |

For ladder, cage and rest stop, see accessories section.

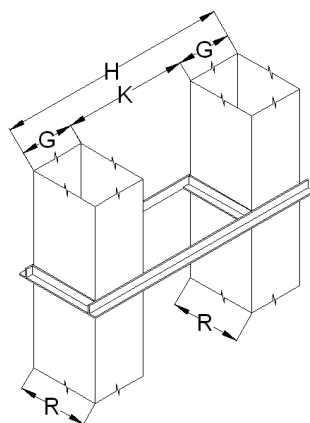
Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60 lb. material.

MODEL – C – GALVANIZED BUCKET ELEVATOR 1,100 TO 3,590 B.P.H. *



WHY A ROSS LEG?

- Galvanized eliminates painting and rust.
- All welded legging eliminates twisting .
- Capacities are honest rated at WL + 10%.
- Head pulley is sized properly for bucket projection.
- Large 84" service door in up leg for ease of belt & buckets installation.
- Cage & ladder comes completely fabricated & will save many hours in erection.
- Experience in grain handling equipment since 1956
- Call 1-800-874-1935 for more information.



ACCESSORIES & OPTIONS

Head Service Platform
 Distributor Service Platform (48"x72")
 Distributor Service Platform (24"x72")
 Discharge transition to square
 Discharge transition to round
 1/4" Urethane lined discharge trans.
 Slide lagged head pulley
 (A) 1/4" Urethane head liner
 (replaces 10 ga steel liner)
 (B) 1/4" Urethane head liner
 (adds urethane liner to sides)
 Extra boot hopper
 Lined boot hopper
 Pressure relief vent in head
 Winged boot pulley
 Option for 12 ga legging

| A | B | C | D | E | F | G | H |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 66" | 51" | 19" | 42" | 28" | 12" | 10" | 43" |
| I | K | L | M | N | O | P | R |
| 48" | 23" | 21" | 47" | 27" | 41" | 15" | 13" |

Note: Other liner options available, please call for more information.

Standard 84" service door for installation of belt and cups
 Head bonnet & lower head 10 gauge steel liner & inspection door standard.

Welded legging eliminates twisting allowed in lock form construction and gives a stronger and more rigid leg. All welds are regalvanized with a 94% zinc compound that meets and exceeds the specifications of the Bureau of Ships of the United States Navy Mil-P-21035. Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60lb. material.

* Based on CC-HD style buckets only.

MODEL – C – GALVANIZED BUCKET ELEVATOR

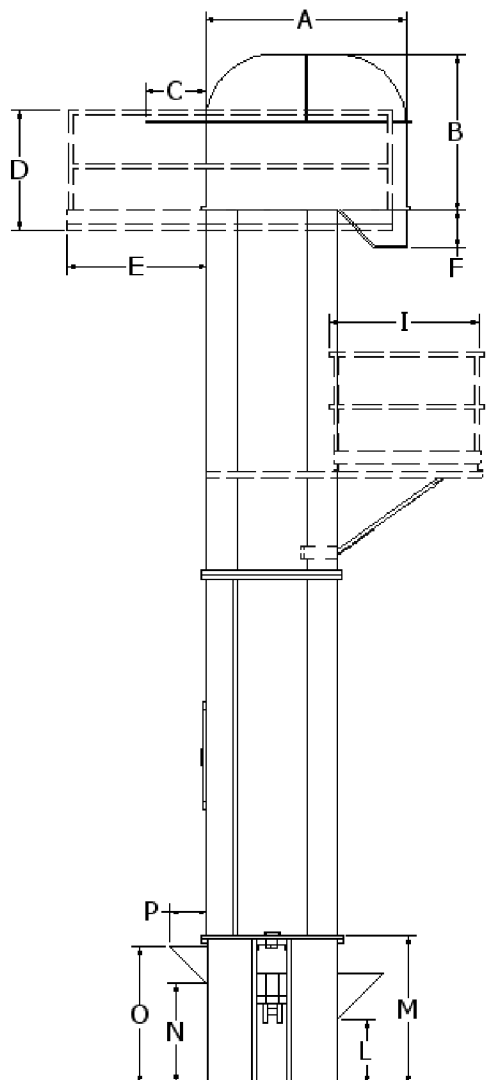
| | | | | | | |
|------------------------|---------------------|--------------------------|---------------------------|-----------------------------------|----------------|--------------------|
| Bucket Size 9" x 6" | | Casing Size 10" x 13" | | Pulley DIA RPM 24" 71 | | Belt FPM 445 |
| Belt 10" | Head Shell 11 GA | Boot Shell 11 GA | Legging 14 GA Standard | | Spouting 8" | |

| C-24-1 (12" Cup Spacing) | | | | C-24-2 (9" Cup Spacing) | | | | C-24-3 (7" Cup Spacing) | | | |
|------------------------------------|------|-----|---------|-----------------------------------|------|-----|---------|-----------------------------------|------|-----|---------|
| 1850 BPH Capacity @ WL + 10% | | | | 2450 BPH Capacity @ WL + 10% | | | | 3150 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 33' | 2680 | 3 | 1 7/16 | 33' | 2688 | 5 | 1 15/16 | 33' | 2689 | 5 | 1 15/16 |
| 38' | 2855 | 3 | 1 7/16 | 38' | 2863 | 5 | 1 15/16 | 38' | 2864 | 5 | 1 15/16 |
| 43' | 3030 | 3 | 1 7/16 | 43' | 3038 | 7.5 | 2 3/16 | 43' | 3039 | 7.5 | 2 3/16 |
| 48' | 3205 | 3 | 1 7/16 | 48' | 3213 | 7.5 | 2 3/16 | 48' | 3214 | 7.5 | 2 3/16 |
| 53' | 3380 | 5 | 1 15/16 | 53' | 3388 | 7.5 | 2 3/16 | 53' | 3389 | 10 | 2 3/16 |
| 58' | 3555 | 5 | 1 15/16 | 58' | 3563 | 7.5 | 2 3/16 | 58' | 3564 | 10 | 2 3/16 |
| 63' | 3730 | 5 | 1 15/16 | 63' | 3738 | 7.5 | 2 3/16 | 63' | 3739 | 10 | 2 3/16 |
| 68' | 3905 | 5 | 1 15/16 | 68' | 3913 | 7.5 | 2 3/16 | 68' | 3914 | 10 | 2 3/16 |
| 73' | 4080 | 7.5 | 2 3/16 | 73' | 4088 | 7.5 | 2 3/16 | 73' | 4089 | 10 | 2 3/16 |
| 78' | 4255 | 7.5 | 2 3/16 | 78' | 4263 | 7.5 | 2 3/16 | 78' | 4264 | 10 | 2 3/16 |
| 83' | 4430 | 7.5 | 2 3/16 | 83' | 4438 | 10 | 2 3/16 | 83' | 4439 | 15 | 2 7/16 |
| 88' | 4605 | 7.5 | 2 3/16 | 88' | 4613 | 10 | 2 3/16 | 88' | 4614 | 15 | 2 7/16 |
| 93' | 4780 | 7.5 | 2 3/16 | 93' | 4788 | 10 | 2 3/16 | 93' | 4789 | 15 | 2 7/16 |
| 98' | 4955 | 7.5 | 2 3/16 | 98' | 4963 | 10 | 2 3/16 | 98' | 4964 | 15 | 2 7/16 |
| 103' | 5130 | 7.5 | 2 3/16 | 103' | 5138 | 10 | 2 3/16 | 103' | 5139 | 20 | 2 15/16 |
| 108' | 5305 | 7.5 | 2 3/16 | 108' | 5313 | 10 | 2 3/16 | 108' | 5314 | 20 | 2 15/16 |
| 113' | 5480 | 10 | 2 3/16 | 113' | 5488 | 15 | 2 7/16 | 113' | 5489 | 20 | 2 15/16 |
| 118' | 5655 | 10 | 2 3/16 | 118' | 5663 | 15 | 2 7/16 | 118' | 5664 | 20 | 2 15/16 |
| 123' | 5830 | 10 | 2 3/16 | 123' | 5838 | 15 | 2 7/16 | 123' | 5839 | 20 | 2 15/16 |
| 128' | 6005 | 10 | 2 3/16 | 128' | 6013 | 15 | 2 7/16 | 128' | 6014 | 20 | 2 15/16 |
| 133' | 6180 | 10 | 2 3/16 | 133' | 6188 | 15 | 2 7/16 | 133' | 6189 | 20 | 2 15/16 |
| 138' | 6355 | 10 | 2 3/16 | 138' | 6363 | 15 | 2 7/16 | 138' | 6364 | 20 | 2 15/16 |
| 143' | 6530 | 15 | 2 7/16 | 143' | 6538 | 15 | 2 7/16 | 143' | 6539 | 25 | 2 15/16 |
| 148' | 6705 | 15 | 2 7/16 | 148' | 6713 | 15 | 2 7/16 | 148' | 6714 | 25 | 2 15/16 |
| 153' | 6880 | 15 | 2 7/16 | 153' | 6888 | 20 | 2 15/16 | 153' | 6889 | 25 | 2 15/16 |
| 158' | 7055 | 15 | 2 7/16 | 158' | 7063 | 20 | 2 15/16 | 158' | 7064 | 25 | 2 15/16 |
| 163' | 7230 | 15 | 2 7/16 | 163' | 7238 | 20 | 2 15/16 | 163' | 7239 | 25 | 2 15/16 |

For ladder, cage and rest stop, see
accessories section.

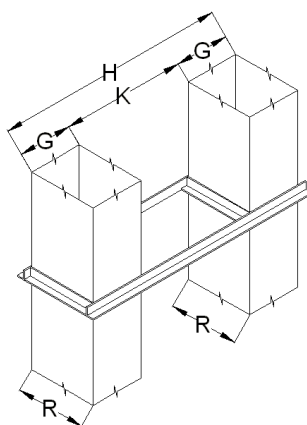
Belting is PVC and is selected on the basis of
height, HP, bucket spacing and 60 lb. material.

MODEL - D - GALVANIZED BUCKET ELEVATOR 2,260 TO 5,360 BPH *



WHY A ROSS LEG?

- Galvanized eliminates painting and rust.
- All welded legging eliminates twisting.
- Capacities are honest rated at 75% fill.
- Head pulley is sized properly for bucket projection.
- Large 84" service door in up leg for ease of belt & buckets installation.
- Cage & ladder comes completely fabricated & will save many hours in erection.
- Experience in grain handling equipment since 1956
- Call 1-800-874-1935 for more information.



ACCESSORIES & OPTIONS

Head Service Platform
 Distributor Service Platform (48"x72")
 Distributor Service Platform (24"x72")
 Discharge transition to square
 Discharge transition to round
 1/4" Urethane lined discharge trans.
 Slide lagged head pulley
 (A) 1/4" Urethane head liner
 (replaces 10 ga steel liner)
 (B) 1/4" Urethane head liner
 (adds urethane liner to sides)
 Extra boot hopper
 Lined boot hopper
 Pressure relief vent in head
 Winged boot pulley
 Option for 12 ga legging

| A | B | C | D | E | F | G | H |
|-------|-----|-------|-----|-----|------|-----|-----|
| 77.5" | 74" | 21.5" | 42" | 45" | 7.5" | 12" | 52" |
| I | K | L | M | N | O | P | R |
| 48" | 28" | 29" | 59" | 35" | 52" | 17" | 16" |

Note: Other liner options available, please call for more information.

Standard 84" service door for installation of belt and cups
 Head bonnet & lower head 10 gauge steel liner & inspection door standard.

Welded legging eliminates twisting allowed in lock form construction and gives a stronger and more rigid leg. All welds are regalvanized with a 94% zinc compound that meets and exceeds the specifications of the Bureau of Ships of the United States Navy Mil-P-21035. Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60lb. material.

* Based on CC-HD style buckets only.

MODEL – D – GALVANIZED BUCKET ELEVATOR

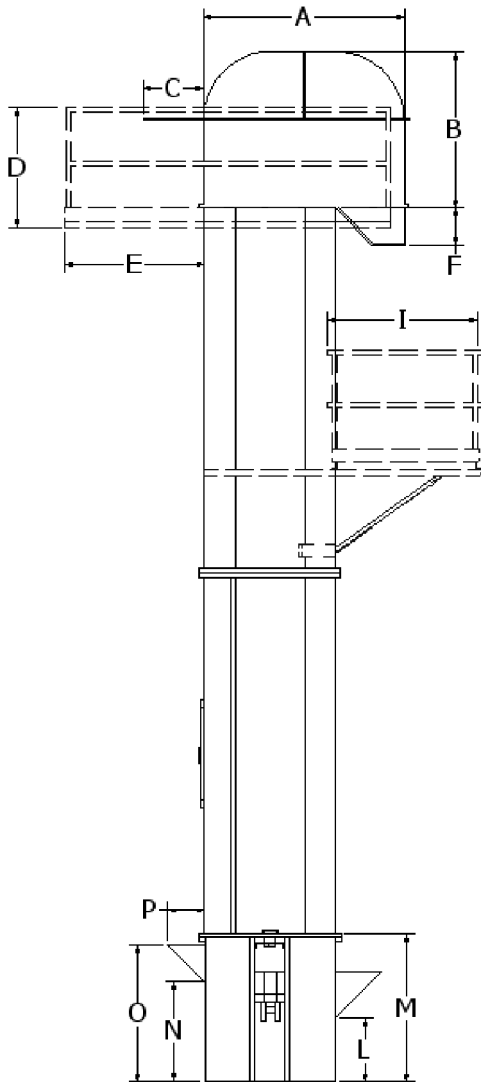
| | | | | | | | |
|-------------------------|---------------------|---------------------|---------------------------------------|--|-----------------------------------|-----------------|--------------------|
| Bucket Size 12" x 6" | | | Casing Size 12" x 16" | | Pulley DIA RPM 30" 71 | | Belt FPM 557 |
| Belt 13" | Head Shell 10 GA | Boot Shell 10 GA | Legging 14 GA Standard-12 Optional | | | Spouting 10" | |

| <u>D-30-1</u> (10" Cup Spacing) | | | | <u>D-30-2</u> (9" Cup Spacing) | | | | <u>D-30-3</u> (8" Cup Spacing) | | | |
|---|------|-----|---------|--|------|-----|---------|--|--------|-----|---------|
| 3800 BPH Capacity @ WL + 10% | | | | 4200 BPH Capacity @ WL + 10% | | | | 4750 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 45' | 3700 | 7.5 | 2 3/16 | 45' | 3776 | 7.5 | 2 3/16 | 45' | 3850 | 10 | 2 3/16 |
| 50' | 3900 | 7.5 | 2 3/16 | 50' | 3996 | 7.5 | 2 3/16 | 50' | 4075 | 10 | 2 3/16 |
| 55' | 4100 | 7.5 | 2 3/16 | 55' | 4216 | 10 | 2 3/16 | 55' | 4300 | 10 | 2 3/16 |
| 60' | 4300 | 10 | 2 3/16 | 60' | 4436 | 10 | 2 3/16 | 60' | 4525 | 15 | 2 7/16 |
| 65' | 4500 | 10 | 2 3/16 | 65' | 4656 | 10 | 2 3/16 | 65' | 4750 | 15 | 2 7/16 |
| 70' | 4700 | 10 | 2 3/16 | 70' | 4976 | 10 | 2 3/16 | 70' | 4975 | 15 | 2 7/16 |
| 75' | 4900 | 10 | 2 3/16 | 75' | 5096 | 15 | 2 3/16 | 75' | 5200 | 15 | 2 7/16 |
| 80' | 5100 | 15 | 2 7/16 | 80' | 5316 | 15 | 2 7/16 | 80' | 5425 | 15 | 2 7/16 |
| 85' | 5300 | 15 | 2 7/16 | 85' | 5536 | 15 | 2 7/16 | 85' | 5650 | 15 | 2 7/16 |
| 90' | 5500 | 15 | 2 7/16 | 90' | 5756 | 15 | 2 7/16 | 90' | 5875 | 20 | 2 15/16 |
| 95' | 5700 | 15 | 2 7/16 | 95' | 5976 | 15 | 2 7/16 | 95' | 6100 | 20 | 2 15/16 |
| 100' | 5900 | 15 | 2 7/16 | 100' | 6196 | 15 | 2 7/16 | 100' | 6325 | 20 | 2 15/16 |
| 105' | 6100 | 15 | 2 7/16 | 105' | 6416 | 20 | 2 7/16 | 105' | 6550 | 20 | 2 15/16 |
| 110' | 6300 | 20 | 2 15/16 | 110' | 6636 | 20 | 2 15/16 | 110' | 6775 | 20 | 2 15/16 |
| 115' | 6500 | 20 | 2 15/16 | 115' | 6856 | 20 | 2 15/16 | 115' | 7000 | 20 | 2 15/16 |
| 120' | 6700 | 20 | 2 15/16 | 120' | 7076 | 20 | 2 15/16 | 120' | 7225 | 25 | 2 15/16 |
| 125' | 6900 | 20 | 2 15/16 | 125' | 7296 | 20 | 2 15/16 | 125' | 7450 | 25 | 2 15/16 |
| 130' | 7100 | 20 | 2 15/16 | 130' | 7516 | 20 | 2 15/16 | 130' | 7675 | 25 | 2 15/16 |
| 135' | 7300 | 20 | 2 15/16 | 135' | 7736 | 25 | 2 15/16 | 135' | 7900 | 25 | 2 15/16 |
| 140' | 7500 | 20 | 2 15/16 | 140' | 7956 | 25 | 2 15/16 | 140' | 8125 | 25 | 2 15/16 |
| 145' | 7700 | 20 | 2 15/16 | 145' | 8176 | 25 | 2 15/16 | 145' | 8350 | 25 | 2 15/16 |
| 150' | 8100 | 25 | 2 15/16 | 150' | 8396 | 25 | 2 15/16 | 150' | 8575 | 30 | 3 7/16 |
| 155' | 8300 | 25 | 2 15/16 | 155' | 8616 | 25 | 2 15/16 | 155' | 8800 | 30 | 3 7/16 |
| 160' | 8500 | 25 | 2 15/16 | 160' | 8836 | 25 | 2 15/16 | 160' | 9025 | 30 | 3 7/16 |
| 165' | 8700 | 25 | 2 15/16 | 165' | 9056 | 25 | 2 15/16 | 165' | 9250 | 30 | 3 7/16 |
| 170' | 8900 | 25 | 2 15/16 | 170' | 9276 | 25 | 2 15/16 | 170' | 9475 | 30 | 3 7/16 |
| 175' | 9100 | 25 | 2 15/16 | 175' | 9496 | 30 | 3 7/16 | 175' | 9700 | 30 | 3 7/16 |
| 180' | 9300 | 25 | 2 15/16 | 180' | 9716 | 30 | 3 7/16 | 180' | 9925 | 40 | 3 15/16 |
| 185' | 9500 | 25 | 2 15/16 | 185' | 9936 | 30 | 3 7/16 | 185' | 10,150 | 40 | 3 15/16 |

For ladder, cage and rest stop, see
accessories section.

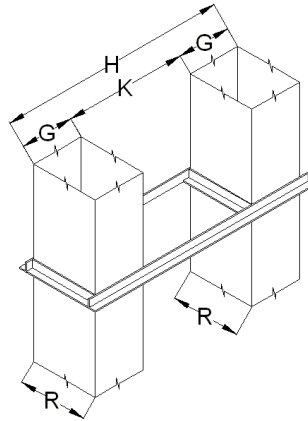
Belting is PVC and is selected on the basis of
height, HP, bucket spacing and 60 lb. material.

MODEL – E – GALVANIZED BUCKET ELEVATOR 3,015 TO 12,025 B.P.H. *



WHY A ROSS LEG?

- Galvanized eliminates painting and rust.
- All welded legging eliminates twisting .
- Capacities are honest rated at WL + 10%.
- Head pulley is sized properly for bucket projection.
- Large 84" service door in up leg for ease of belt & buckets installation.
- Cage & ladder comes completely fabricated & will save many hours in erection.
- Experience in grain handling equipment since 1956
- Call 1-800-874-1935 for more information.



ACCESSORIES & OPTIONS

- Head Service Platform
- Distributor Service Platform (48"x72")
- Distributor Service Platform (24"x72")
- Discharge transition to square
- Discharge transition to round
- 1/4" Urethane lined discharge trans.
- Slide lagged head pulley
- (A) 1/4" Urethane head liner (replaces 10 ga steel liner)
- (B) 1/4" Urethane head liner (adds urethane liner to sides)
- Extra boot hopper
- Lined boot hopper
- Pressure relief vent in head
- Winged boot pulley
- Option for 12 ga legging

| A | B | C | D | E | F | G | H |
|-------|-----|-----|-----|--------|-----|-----|-----|
| 94.5" | 87" | 28" | 42" | 37" | 9" | 12" | 58" |
| I | K | L | M | N | O | P | R |
| 48" | 34" | 29" | 59" | 38.75" | 57" | 18" | 16" |

Note: Models E-36-4, E-36-5, and E-36-6, the value R= 21".

Standard 84" service door for installation of belt and cups
Head bonnet & lower head 10 gauge steel liner & inspection door standard.

Welded legging eliminates twisting allowed in lock form construction and gives a stronger and more rigid leg. All welds are regalvanized with a 94% zinc compound that meets and exceeds the specifications of the Bureau of Ships of the United States Navy Mil-P-21035. Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60lb. material.

* Based on CC-HD style buckets only.

Note: Other liner options available, please call for more information.

MODEL – E – GALVANIZED BUCKET ELEVATOR

| | | | | | | | |
|-------------------------|---------------------|--------------------------|---------------------------------------|--------------------------|--|--|--|
| Bucket Size 12" x 7" | | Casing Size 12" x 16" | | Pulley DIA 36" RPM 71 | | Belt FPM 669 | |
| Belt 13" | Head Shell 10 GA | Boot Shell 10 GA | Legging 14 GA Standard-12 Optional | | | Spouting 12" (E-36-2/3) 10" (E-36-1) | |

| <u>E-36-1</u> (12" Cup Spacing) | | | | <u>E-36-2</u> (10" Cup Spacing) | | | | <u>E-36-3</u> (9" Cup Spacing) | | | |
|---|--------|-----|---------|---|--------|-----|---------|--|--------|-----|---------|
| 5075 BPH Capacity @ WL + 10% | | | | 6100 BPH Capacity @ WL + 10% | | | | 6775 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 45' | 4542 | 10 | 2 3/16 | 45' | 5370 | 15 | 2 7/16 | 45' | 5409 | 15 | 2 7/16 |
| 50' | 4781 | 10 | 2 3/16 | 50' | 5624 | 15 | 2 7/16 | 50' | 5669 | 15 | 2 7/16 |
| 55' | 4300 | 10 | 2 3/16 | 55' | 5878 | 15 | 2 7/16 | 55' | 5929 | 15 | 2 7/16 |
| 60' | 5259 | 15 | 2 7/16 | 60' | 6132 | 15 | 2 7/16 | 60' | 6189 | 15 | 2 7/16 |
| 65' | 5499 | 15 | 2 7/16 | 65' | 6386 | 15 | 2 7/16 | 65' | 6462 | 20 | 2 15/16 |
| 70' | 5738 | 15 | 2 7/16 | 70' | 6640 | 15 | 2 7/16 | 70' | 6722 | 20 | 2 15/16 |
| 75' | 5977 | 15 | 2 7/16 | 75' | 6904 | 20 | 2 15/16 | 75' | 6982 | 20 | 2 15/16 |
| 80' | 6216 | 15 | 2 7/16 | 80' | 7168 | 20 | 2 15/16 | 80' | 7242 | 20 | 2 15/16 |
| 85' | 6468 | 20 | 2 15/16 | 85' | 7432 | 20 | 2 15/16 | 85' | 7502 | 25 | 2 15/16 |
| 90' | 6707 | 20 | 2 15/16 | 90' | 7696 | 20 | 2 15/16 | 90' | 7762 | 25 | 2 15/16 |
| 95' | 6946 | 20 | 2 15/16 | 95' | 7960 | 20 | 2 15/16 | 95' | 8022 | 25 | 2 15/16 |
| 100' | 7185 | 20 | 2 15/16 | 100' | 8224 | 25 | 2 15/16 | 100' | 8282 | 25 | 2 15/16 |
| 105' | 7424 | 20 | 2 15/16 | 105' | 8488 | 25 | 2 15/16 | 105' | 8557 | 30 | 3 7/16 |
| 110' | 7663 | 20 | 2 15/16 | 110' | 8752 | 25 | 2 15/16 | 110' | 8817 | 03 | 3 7/16 |
| 115' | 7917 | 25 | 2 15/16 | 115' | 9030 | 30 | 3 7/16 | 115' | 9077 | 30 | 3 7/16 |
| 120' | 8156 | 25 | 2 15/16 | 120' | 9308 | 30 | 3 7/16 | 120' | 9337 | 30 | 3 7/16 |
| 125' | 8395 | 25 | 2 15/16 | 125' | 9586 | 30 | 3 7/16 | 125' | 9614 | 40 | 3 15/16 |
| 130' | 8634 | 25 | 2 15/16 | 130' | 9864 | 30 | 3 7/16 | 130' | 9874 | 40 | 3 15/16 |
| 135' | 8873 | 25 | 2 15/16 | 135' | 10,142 | 30 | 3 7/16 | 135' | 10,134 | 40 | 3 15/16 |
| 140' | 9112 | 25 | 2 15/16 | 140' | 10,420 | 30 | 3 7/16 | 140' | 10,394 | 40 | 3 15/16 |
| 145' | 9366 | 30 | 3 7/16 | 145' | 10,708 | 40 | 3 15/16 | 145' | 10,654 | 40 | 3 15/16 |
| 150' | 9605 | 30 | 3 7/16 | 150' | 10,996 | 40 | 3 15/16 | 150' | 10,914 | 40 | 3 15/16 |
| 155' | 9844 | 30 | 3 7/16 | 155' | 10,584 | 40 | 3 15/16 | 155' | 11,174 | 40 | 3 15/16 |
| 160' | 10,083 | 30 | 3 7/16 | 160' | 10,872 | 40 | 3 15/16 | 160' | 11,434 | 40 | 3 15/16 |
| 165' | 10,322 | 30 | 3 7/16 | 165' | 10,160 | 40 | 3 15/16 | 165' | 11,711 | 50 | 3 15/16 |
| 170' | 10,578 | 40 | 3 7/16 | 170' | 10,448 | 40 | 3 15/16 | 170' | 11,971 | 50 | 3 15/16 |
| 175' | 10,817 | 40 | 3 7/16 | 175' | 10,736 | 40 | 3 15/16 | 175' | 12,231 | 50 | 3 15/16 |

For ladder, cage and rest stop, see
accessories section.

Belting is PVC and is selected on the basis of
height, HP, bucket spacing and 60 lb. material.

MODEL – E – GALVANIZED BUCKET ELEVATOR

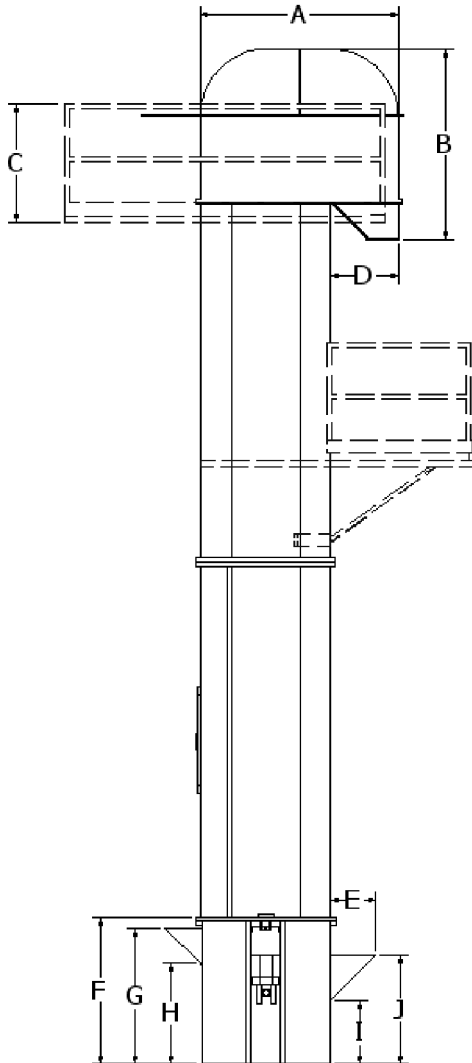
| | | | | | | | |
|-------------------------|---------------------|--------------------------|---------------------------------------|-----------------------------------|--|--|--|
| Bucket Size 16" x 7" | | Casing Size 12" x 21" | | Pulley DIA RPM 36" 71 | | Belt FPM 669 | |
| Belt 17" | Head Shell 10 GA | Boot Shell 10 GA | Legging 14 GA Standard-12 Optional | | | Spouting 12" (E-36-4) 14" (E-36-5/6) | |

| <u>E-36-4</u> (10" Cup Spacing) | | | | <u>E-36-5</u> (9" Cup Spacing) | | | | <u>E-36-6</u> (8" Cup Spacing) | | | |
|---|--------|-----|---------|--|--------|-----|---------|--|--------|-----|---------|
| 8500 BPH Capacity @ WL + 10% | | | | 9450 BPH Capacity @ WL + 10% | | | | 10,650 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 45' | 5935 | 20 | 2 15/16 | 45' | 5988 | 20 | 2 15/16 | 45' | 6009 | 20 | 2 15/16 |
| 50' | 6208 | 20 | 2 15/16 | 50' | 6260 | 20 | 2 15/16 | 50' | 6290 | 25 | 2 15/16 |
| 55' | 6481 | 20 | 2 15/16 | 55' | 6548 | 25 | 2 15/16 | 55' | 6584 | 25 | 2 15/16 |
| 60' | 6754 | 25 | 2 15/16 | 60' | 6828 | 25 | 2 15/16 | 60' | 6865 | 30 | 3 7/16 |
| 65' | 7027 | 25 | 2 15/16 | 65' | 7108 | 25 | 2 15/16 | 65' | 7146 | 30 | 3 7/16 |
| 70' | 7300 | 25 | 2 15/16 | 70' | 7408 | 30 | 3 7/16 | 70' | 7422 | 30 | 3 7/16 |
| 75' | 7573 | 25 | 2 15/16 | 75' | 7688 | 30 | 3 7/16 | 75' | 7723 | 40 | 3 15/16 |
| 80' | 7861 | 30 | 3 7/16 | 80' | 7960 | 30 | 3 7/16 | 80' | 8004 | 40 | 3 15/16 |
| 85' | 8134 | 30 | 3 7/16 | 85' | 8270 | 40 | 3 7/16 | 85' | 8285 | 40 | 3 15/16 |
| 90' | 8407 | 30 | 3 7/16 | 90' | 8550 | 40 | 3 15/16 | 90' | 8566 | 40 | 3 15/16 |
| 95' | 8695 | 40 | 3 15/16 | 95' | 8830 | 40 | 3 15/16 | 95' | 8847 | 40 | 3 15/16 |
| 100' | 8968 | 40 | 3 15/16 | 100' | 9110 | 40 | 3 15/16 | 100' | 9128 | 40 | 3 15/16 |
| 105' | 9241 | 40 | 3 15/16 | 105' | 9390 | 40 | 3 15/16 | 105' | 9409 | 50 | 3 15/16 |
| 110' | 9514 | 40 | 3 15/16 | 110' | 9670 | 40 | 3 15/16 | 110' | 9690 | 50 | 3 15/16 |
| 115' | 9787 | 40 | 3 15/16 | 115' | 9950 | 50 | 3 15/16 | 115' | 9971 | 50 | 3 15/16 |
| 120' | 10,060 | 40 | 3 15/16 | 120' | 10,230 | 50 | 3 15/16 | 120' | 10,252 | 50 | 3 15/16 |
| 125' | 10,333 | 40 | 3 15/16 | 125' | 10,510 | 50 | 3 15/16 | 125' | 10,533 | 50 | 3 15/16 |
| 130' | 10,606 | 50 | 3 15/16 | 130' | 10,790 | 50 | 3 15/16 | 130' | 10,829 | 60 | 4 7/16 |
| 135' | 10,879 | 50 | 3 15/16 | 135' | 11,070 | 50 | 3 15/16 | 135' | 11,110 | 60 | 4 7/16 |
| 140' | 11,152 | 50 | 3 15/16 | 140' | 11,350 | 50 | 3 15/16 | 140' | 11,391 | 60 | 4 7/16 |
| 145' | 11,425 | 50 | 3 15/16 | 145' | 11,630 | 60 | 4 7/16 | 145' | 11,673 | 60 | 4 7/16 |
| 150' | 11,698 | 50 | 3 15/16 | 150' | 11,910 | 60 | 4 7/16 | 150' | 11,955 | 60 | 4 7/16 |
| 155' | 11,971 | 50 | 3 15/16 | 155' | 12,190 | 60 | 4 7/16 | 155' | 12,237 | 60 | 4 7/16 |
| 160' | 12,244 | 50 | 3 15/16 | 160' | 12,470 | 60 | 4 7/16 | 160' | 12,538 | 75 | 4 15/16 |
| 165' | 12,537 | 60 | 4 7/16 | 165' | 12,750 | 60 | 4 7/16 | 165' | 12,820 | 75 | 4 15/16 |
| 170' | 12,810 | 60 | 4 7/16 | 170' | 13,030 | 60 | 4 7/16 | 170' | 13,102 | 75 | 4 15/16 |
| 175' | 13,083 | 60 | 4 7/16 | 175' | 13,310 | 60 | 4 7/16 | 175' | 13,383 | 75 | 4 15/16 |

For ladder, cage and rest stop, see accessories section.

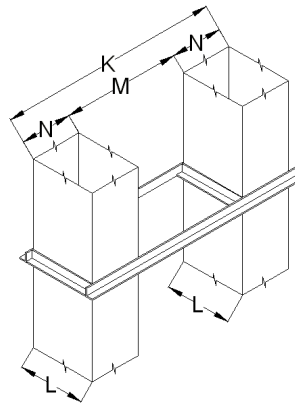
Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60 lb. material.

MODEL - F - GALVANIZED BUCKET ELEVATOR 7,900 TO 16,980 B.P.H. *



WHY A ROSS LEG?

- Galvanized eliminates painting and rust.
- All welded legging eliminates twisting .
- Capacities are honest rated at WL + 10%.
- Head pulley is sized properly for bucket projection.
- Large 84" service door in up leg for ease of belt & buckets installation.
- Cage & ladder comes completely fabricated & will save many hours in erection.
- Experience in grain handling equipment since 1956
- Call 1-800-874-1935 for more information.



ACCESSORIES & OPTIONS

Head Service Platform
Distributor Service Platform (48"x72")
Distributor Service Platform (24"x72")
Discharge transition to square.
Discharge transition to round.
1/4" Urethane lined discharge trans.
Slide lagged head pulley
(A) 1/4" Urethane head liner
(replaces 10 ga steel liner)
(B) 1/4" Urethane head liner
(adds urethane liner to sides)
Extra boot hopper
Lined boot hopper
Pressure relief vent in head
Winged boot pulley
Option for 12 ga legging

| A | B | C | D | E | F | G |
|------|-------|-----|-----|-----|-----|-----|
| 110" | 129" | 14" | 40" | 18" | 72" | 66" |
| H | I | J | K | L | M | N |
| 48" | 36.5" | 51" | 73" | 22" | 45" | 14" |

Note: Other liner options available, please call for more information.

Standard 84" service door for installation of belt and cups
Head bonnet & lower head 10 gauge steel liner & inspection door standard.

Welded legging eliminates twisting allowed in lock form construction and gives a stronger and more rigid leg. All welds are regalvanized with a 94% zinc compound that meets and exceeds the specifications of the Bureau of Ships of the United States Navy Mil-P-21035. Belting is PVC and is selected on the basis of height, HP, bucket spacing and 60lb. material.

* Based on CC-HD style buckets only.

MODEL – F – GALVANIZED BUCKET ELEVATOR

| Bucket Size | | Casing Size | | Pulley | | Belt FPM | |
|-----------------------|---------------------|------------------------|---------------------------------------|--------|-----------------|--|--|
| 16" x 8" (F-48-1 & 2) | | 14" x 22" (F-48-1 & 2) | | DIA | RPM | 660 (F-48-1 & 2) | |
| 18" x 8" (F-48-3) | | 14" x 24" (F-48-3) | | 48" | 53 (F-48-1 & 2) | 729 (F-48-3) | |
| | | | | | 58 (F-48-3) | | |
| Belt 17" | Head Shell 10 GA | Boot Shell 8 GA | Legging 12 GA Standard-11 Optional | | | Spouting 14" (F-48-1) 16" (F-48-2/3) | |

| <u>F-48-1</u> (12" Cup Spacing) | | | | <u>F-48-2</u> (10" Cup Spacing) | | | | <u>F-48-3</u> (10" Cup Spacing) | | | |
|---|--------|-----|---------|---|--------|-----|---------|---|--------|-----|---------|
| 10,425 BPH Capacity @ WL + 10% | | | | 12,500 BPH Capacity @ WL + 10% | | | | 15,125 BPH Capacity @ WL + 10% | | | |
| D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT | D.H. | WT. | HP. | SHAFT |
| 51' | 9031 | 25 | 3 7/16 | 51' | 9899 | 30 | 3 7/16 | 51' | 10,010 | 40 | 3 15/16 |
| 56' | 9372 | 25 | 3 7/16 | 56' | 10,268 | 30 | 3 7/16 | 56' | 10,410 | 40 | 3 15/16 |
| 61' | 9713 | 30 | 3 7/16 | 61' | 10,639 | 40 | 3 15/16 | 61' | 10,812 | 40 | 3 15/16 |
| 66' | 10,054 | 30 | 3 7/16 | 66' | 11,008 | 40 | 3 15/16 | 66' | 11,230 | 50 | 4 7/16 |
| 71' | 10,395 | 30 | 3 7/16 | 71' | 11,395 | 40 | 3 15/16 | 71' | 11,630 | 50 | 4 7/16 |
| 76' | 10,758 | 40 | 3 15/16 | 76' | 11,766 | 40 | 3 15/16 | 76' | 12,030 | 50 | 4 7/16 |
| 81' | 10,098 | 40 | 3 15/16 | 81' | 12,153 | 50 | 4 7/16 | 81' | 12,430 | 50 | 4 7/16 |
| 86' | 11,440 | 40 | 3 15/16 | 86' | 12,541 | 50 | 4 7/16 | 86' | 12,850 | 60 | 4 7/16 |
| 91' | 11,781 | 40 | 3 15/16 | 91' | 12,911 | 50 | 4 7/16 | 91' | 13,250 | 60 | 4 7/16 |
| 96' | 12,122 | 40 | 3 15/16 | 96' | 13,281 | 50 | 4 7/16 | 96' | 13,650 | 60 | 4 7/16 |
| 101' | 12,463 | 50 | 4 7/16 | 101' | 13,651 | 60 | 4 7/16 | 101' | 14,070 | 75 | 4 15/16 |
| 106' | 12,804 | 50 | 4 7/16 | 106' | 14,021 | 60 | 4 7/16 | 106' | 14,470 | 75 | 4 15/16 |
| 111' | 13,145 | 50 | 4 7/16 | 111' | 14,391 | 60 | 4 7/16 | 111' | 14,870 | 75 | 4 15/16 |
| 116' | 13,486 | 50 | 4 7/16 | 116' | 14,761 | 60 | 4 7/16 | 116' | 15,270 | 75 | 4 15/16 |
| 121' | 13,827 | 50 | 4 7/16 | 121' | 15,131 | 60 | 4 7/16 | 121' | 15,670 | 75 | 4 15/16 |
| 126' | 14,168 | 50 | 4 7/16 | 126' | 15,520 | 75 | 4 15/16 | 126' | 16,070 | 75 | 4 15/16 |
| 131' | 14,509 | 60 | 4 7/16 | 131' | 15,890 | 75 | 4 15/16 | 131' | 16,495 | 100 | 4 15/16 |
| 136' | 14,850 | 60 | 4 7/16 | 136' | 16,260 | 75 | 4 15/16 | 136' | 16,895 | 100 | 4 15/16 |
| 141' | 15,191 | 60 | 4 7/16 | 141' | 16,630 | 75 | 4 15/16 | 141' | 17,295 | 100 | 4 15/16 |
| 146' | 15,532 | 60 | 4 7/16 | 146' | 17,000 | 75 | 4 15/16 | 146' | 17,695 | 100 | 4 15/16 |
| 151' | 15,873 | 60 | 4 7/16 | 151' | 17,370 | 75 | 4 15/16 | 151' | 18,095 | 100 | 4 15/16 |
| 156' | 16,241 | 75 | 4 15/16 | 156' | 17,759 | 100 | 4 15/16 | 156' | 18,495 | 100 | 4 15/16 |
| 161' | 16,582 | 75 | 4 15/16 | 161' | 18,129 | 100 | 4 15/16 | 161' | 18,895 | 100 | 4 15/16 |
| 166' | 16,923 | 75 | 4 15/16 | 166' | 18,499 | 100 | 4 15/16 | 166' | 19,295 | 100 | 4 15/16 |
| 171' | 17,264 | 75 | 4 15/16 | 171' | 18,869 | 100 | 4 15/16 | 171' | 19,695 | 100 | 4 15/16 |
| 176' | 17,605 | 75 | 4 15/16 | 176' | 19,239 | 100 | 4 15/16 | | | | |
| 181' | 17,946 | 75 | 4 15/16 | 181' | 19,609 | 100 | 4 15/16 | | | | |
| 186' | 18,287 | 75 | 4 15/16 | 186' | 19,979 | 100 | 4 15/16 | | | | |
| 191' | 18,628 | 75 | 4 15/16 | 191' | 20,349 | 100 | 4 15/16 | | | | |

For ladder, cage and rest stop, see
accessories section.

Belting is PVC and is selected on the basis of
height, HP, bucket spacing and 60 lb. material.

LADDER, CAGE, REST STOP, & PLATFORMS

Recommendations and suggestions for the use of ladder, safety cage, and platforms.

Work Platform for Head: (See Fig.1)

This platform should be used for service and maintenance on the head and drive. Mounting brackets are furnished welded to the legging for attaching the platforms to the elevator.

Distributor Platform: (See Fig. 2)

When a distributor is used, a distributor platform provides access to the connections between the spouting and the distributor. This platform attaches to the elevator legging by means of a clamp which permits placement of the platform below the particular size distributor used. Access is provided from the standard ladder.

Rest Platform: (See Fig.3)

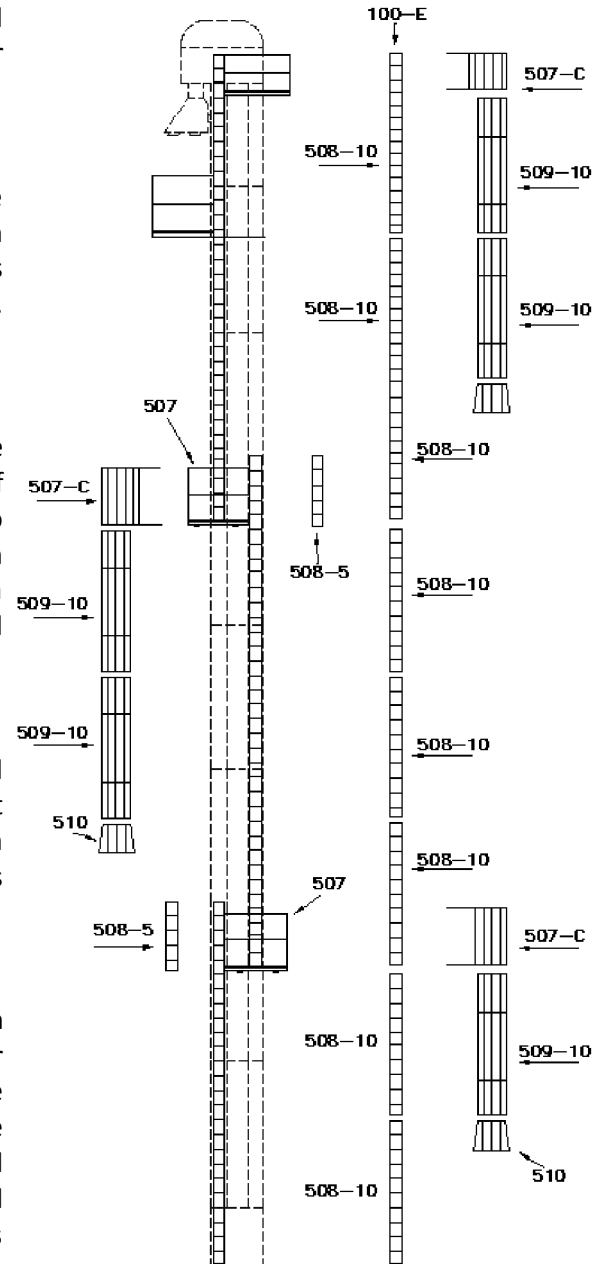
Rest platforms are required when ladder runs exceed 30 feet. These platforms are made to attach at the connections between sections of elevator legging. Use as many rest platforms as are necessary to maintain a maximum of 30 feet between platforms and until a platform is within 30 feet of where the ladder begins. Use a left hand platform first under the work platform for head followed by a right hand followed by a left hand, etc.

Ladder:

Ladder is furnished in 5 ft. and 10 ft. lengths. Each length is furnished with two mounting brackets. The extra mounting brackets required at rest platforms are furnished with the platforms. A ladder approaching a platform must have a rung exactly even with the platform surface. This ladder must also extend above the platform surface 42" to the top rung.

Safety Cage:

Safety cage is required when ladder runs exceed 20 ft. An entry section must be used where ladder enters the safety cage. This section is larger in diameter on its lower end to permit a safer entry. There must be between 7 ft. to 8 ft. of space from where the ladder begins and the entry section. This space must be maintained at the initial entry as well as at rest platforms. Use an entry section at the initial entry and at all rest platforms. All safety cage and entry sections fasten to the side bars of the ladder and mounting brackets are furnished.



Entrance to the distributor service platform from the safety cage must be field cut at the proper level.

| Numbers identify each component. Each elevator should be ordered with a work platform, ladder, cage, and rest platforms according to discharge height. | | | |
|--|--------|-----------------|--------|
| CODE | | | |
| Ladder | 100-E | Rest Platform | 507 |
| Entry Cage | 507-C | Safety Cage 8' | 509-8 |
| Ladder 5' | 508-5 | Safety Cage 10' | 509-10 |
| Ladder 10' | 508-10 | Bell Cage 30" | 510 |

LADDER, CAGE, REST STOP, & PLATFORMS

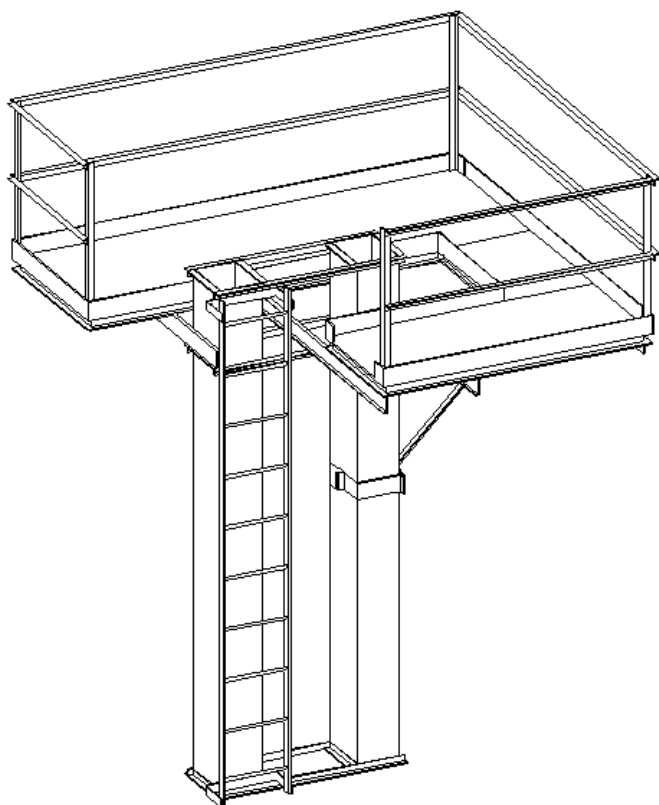


Figure 1

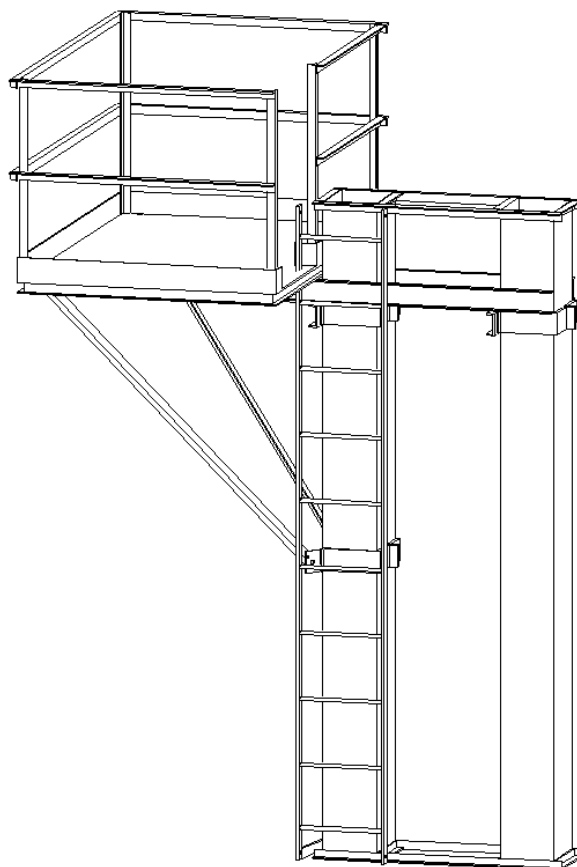


Figure 3

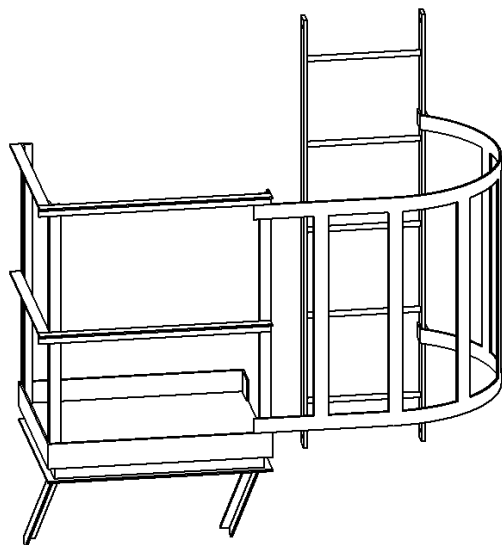


Figure 2

LADDER, CAGE, REST STOP, & PLATFORMS

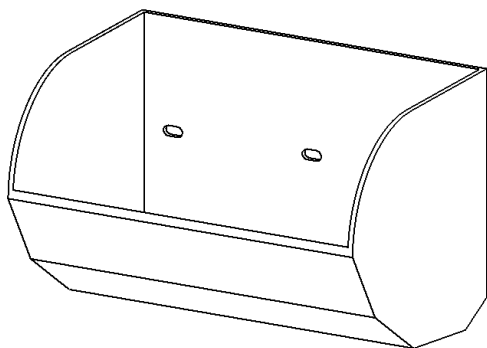
| Ladder | Cage | Bells | Rest Stop |
|--------|------|-------|-----------|
| 30' | 18' | 1 | 0 |
| 35' | 13' | 2 | 1 |
| 40' | 18' | 2 | 1 |
| 45' | 23' | 2 | 1 |
| 50' | 28' | 2 | 1 |
| 55' | 33' | 2 | 1 |
| 60' | 38' | 2 | 1 |
| 65' | 33' | 3 | 2 |
| 70' | 38' | 3 | 2 |
| 75' | 43' | 3 | 2 |
| 80' | 48' | 3 | 2 |
| 85' | 53' | 3 | 2 |
| 90' | 58' | 3 | 2 |
| 95' | 53' | 4 | 3 |
| 100' | 58' | 4 | 3 |
| 105' | 63' | 4 | 3 |

| Ladder | Cage | Bells | Rest Stop |
|--------|------|-------|-----------|
| 110' | 68' | 4 | 3 |
| 115' | 73' | 4 | 3 |
| 120' | 78' | 4 | 3 |
| 125' | 73' | 5 | 4 |
| 130' | 78' | 5 | 4 |
| 135' | 83' | 5 | 4 |
| 140' | 88' | 5 | 4 |
| 145' | 93' | 5 | 4 |
| 150' | 98' | 5 | 4 |
| 155' | 93' | 6 | 5 |
| 160' | 98' | 6 | 5 |
| 165' | 103' | 6 | 5 |
| 170' | 108' | 6 | 5 |
| 175' | 113' | 6 | 5 |
| 180' | 118' | 6 | 5 |
| 185' | 123' | 6 | 5 |

| HEAD SERVICE PLATFORM (SEE FIG.1) | | | | | | |
|---|----------------|-------------|-------------|---------|--------------------|--------------------|
| MODEL | A | B | C | D | E | F |
| NUMBER | 505-A | 505-B | 505-C | 505-D | 505-E | 505-F |
| DISTRIBUTOR SERVICE PLATFORM (SEE FIG.2) | | | | | | |
| MODEL | A | B | C | D | E | F |
| NUMBER | 506-A24 | 506-B24 | 506-C24 | 506-D24 | 506-E24 | 506-F24 |
| | 506-A50 | 506-B50 | 506-C50 | 506-D50 | 506-E50 | 506-F50 |
| REST STOP PLATFORM (SEE FIG.3) | | | | | | |
| MODEL | A | B | C | D | E | F |
| NUMBER | 507-RA | 507-RB | 507-RC | 507-RD | 507-REL 507-RER | 507-RFL 507-RFR |
| LADDER AND BOLT ON BRACKET | | | | | | |
| MODEL | 5' SECTION | 10' SECTION | | | | |
| NUMBER | 508-5 | 508-10 | | | | |
| WELDED SAFETY CAGE | | | | | | |
| FAST ERECTION – BOLTS TO LADDER | | | | | | |
| MODEL | 5' SECTION | 8' SECTION | 10' SECTION | | | |
| NUMBER | 509-5 | 509-8 | 509-10 | | | |
| FLARED CAGE | | | | | | |
| ONE REQUIRED AT BOTTOM ENTRY OF CAGE AND ABOVE EACH REST PLATFORM | | | | | | |
| MODEL | ENTRY CAGE 30" | | | | | |
| NUMBER | 510 | | | | | |

ELEVATOR BUCKETS

(Vented & Non-Vented)



(Standard bucket style CC-HD. Others available upon request)

| MODEL | BUCKET SIZE | PLASTIC PER BOX | STEEL PER BOX |
|-------|-------------|-----------------|---------------|
| A-8 | 6x4 | 24 | 84 |
| B-16 | 6x5 | 24 | 54 |
| B-16 | 9x5 | 24 | 36 |
| C-24 | 9x6 | 24 | 24 |
| D-30 | 12x6 | 24 | 24 |
| E-36 | 12x7 | 8 | 16 |
| E-36 | 16x7 | 8 | 8 |
| F-48 | 16x8 | 8 | 8 |
| F-48 | 18x8 | 8 | 8 |

Field tests have proven that vented cups alleviate excessive “BLOW BACK” for a more efficient pick up and discharge. Plastic vented cups have two rows of 11/32” holes on 1 1/8” centers. Metal vented cups have two rows of 5/32” holes on 1” centers.

BLACK PVC CBS BELTING

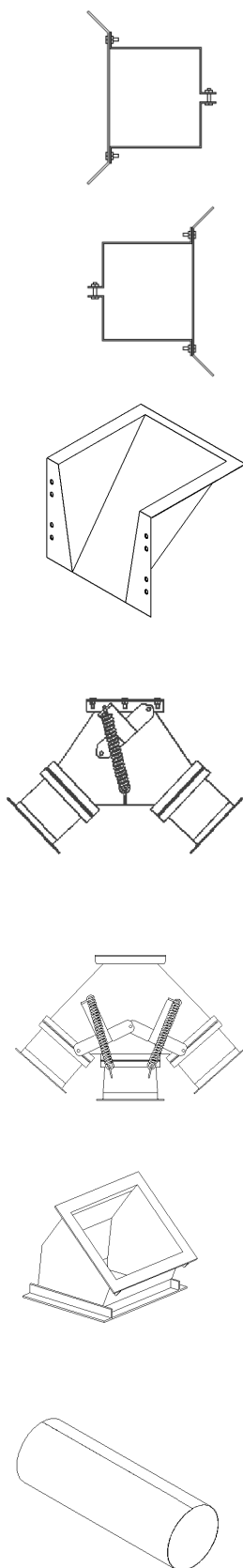
(Other Belting Materials & Sizes Available Upon Request)

| WIDTH | MODEL | 200 | 250 | 300 | 350 | 450 |
|-------------------|--------------|-----|-----|-----|-----|-----|
| 7" | A-8 B-16 | ★ | ★ | | | |
| 8" 9" | | ★ | ★ | ★ | | |
| 10" 11" 12" | C-24 | | ★ | ★ | ★ | |
| 13" 15" | D-30 E-36 | | ★ | ★ | ★ | ★ |
| 17" 19" | E-36 F-48 | | | ★ | ★ | ★ |

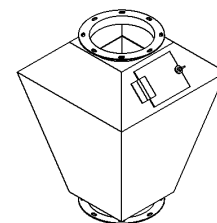
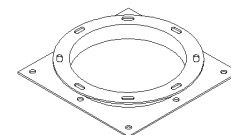
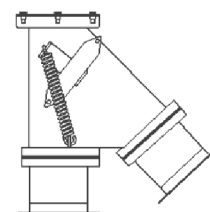
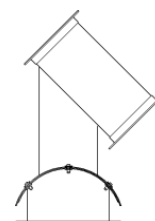
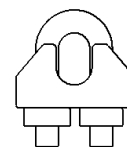
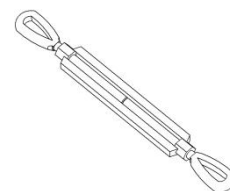
Belt hole punching to any specifications.

Maxie splice – No. 400-00
(1 splice per 2” of belt width)

ELEVATOR ACCESSORIES

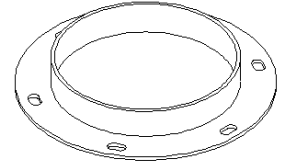


| GUY WIRE BRACKETS | | | | | | |
|---|-----------|-----------|---------|---------|-------|-------|
| MODEL | B | C | D | E | F | |
| NUMBER | 512-B | 512-C | 512-D | 512-E | 512-F | |
| TURNBUCKLE | | | | | | |
| MODEL | 1/2 x 6" | 3/4 x 9" | | | | |
| NUMBER | 513-6 | 513-9 | | | | |
| CABLE CLAMP | | | | | | |
| MODEL | 1/8" | 3/8" | | | | |
| NUMBER | 514-1/8 | 514-3/8 | | | | |
| GALVANIZED AIRCRAFT CABLE | | | | | | |
| MODEL | 1/8" DIA. | 3/8" DIA. | | | | |
| NUMBER | 515-1/8 | 515-3/8 | | | | |
| EXTRA BOOT HOPPER (standard – flare) | | | | | | |
| MODEL | A | B | C | D | E | F |
| NUMBER | 516-A | 516-B | 516-C | 516-D | 516-E | 516-F |
| ADJUSTABLE CUSHION BOX Includes 10ga. AR Bottom Section | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 524-6 | 524-8 | 524-10 | 524-12 | | |
| TWO WAY VALVE WITH BASKET TYPE GATE-ROUND DISCHARGE Valves are Square Inlet & Round Discharge | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 526-6 | 526-8 | 526-10 | 526-12 | | |
| 45 DEGREE TWO WAY OFFSET VALVE WITH ROUND DISCHARGE Valves are Square Inlet & Round Discharge | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 527-6 | 527-8 | 527-10 | 527-12 | | |
| THREE WAY FLOP GATE VALVE-ROUND DISCHARGE Valves are Square Inlet & Round Discharge | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 528-6 | 528-8 | 528-10 | 528-12 | | |
| FLAT TOP ADAPTOR | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 529-6 | 529-8 | 529-10 | 529-12 | | |
| 45 DEGREE ELBOW | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 530-6 | 530-8 | 530-10 | 530-12 | | |
| GRAIN SAVER Reduces grain damage and excessive downspout Wear caused by grain falling at a high velocity. | | | | | | |
| SIZE | 6" | 8" | 10" | 12" | | |
| NUMBER | 531-6 | 531-8 | 531-10 | 531-12 | | |
| WELD SLEEVE | | | | | | |
| SIZE | 6"x18" | 8"x24" | 10"x30" | 12"x36" | | |
| NUMBER | 532-6 | 532-8 | 532-10 | 532-12 | | |



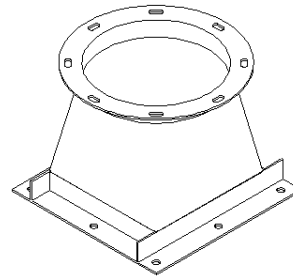
FLANGES

| ANGLE FLANGE | | | PLATE FLANGE | | |
|--------------|-------|------------|--------------|-------|------------|
| GALVANIZED | | | | | |
| SIZE | THICK | NUMBER | SIZE | THICK | NUMBER |
| 6" | 1/8" | 535-G 1/8 | | | |
| 8" | 1/8" | 536-G 1/8 | | | |
| 10" | 1/8" | 537-G 1/8 | | | |
| BLACK | | | | | |
| 6" | 3/16" | 535-B 3/16 | 6" | 3/16" | 539-B 3/16 |
| 8" | 3/16" | 536-B 3/16 | 8" | 3/16" | 540-B 3/16 |
| 10" | 3/16" | 537-B 3/16 | 10" | 3/16" | 541-B 3/16 |
| 12" | 3/16" | 538-B 3/16 | 12" | 3/16" | 542-B 3/16 |



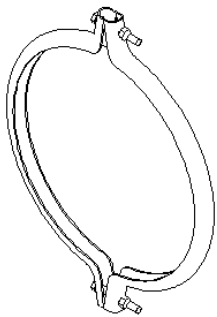
CUSTOM TRANSITIONS

- Built to your specifications.
- Lining material of your choice.
- Flanges starting at 6".

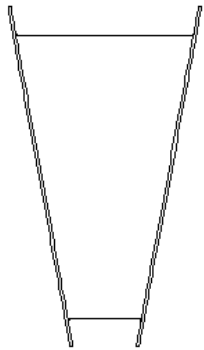


ADJUSTABLE ELBOWS

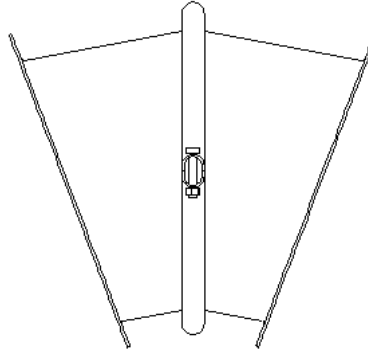
Adjustable elbows are available in 6", 8", 10", 12", and 14".
And come in 1, 2, or 3 sections with clamp bands.



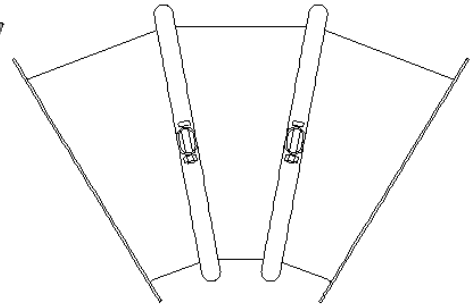
Clamp Bands



1 Elbow Section



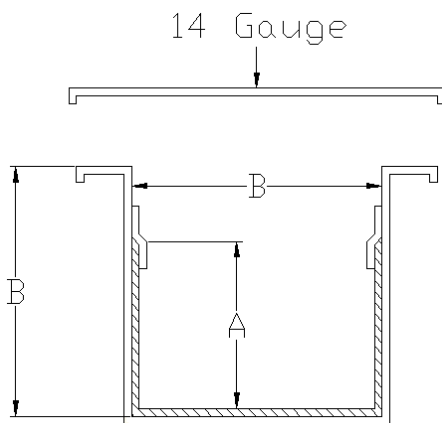
2 Elbow Sections



3 Elbow Sections

SPOUTING MINIMUM CHARGE 20'

| SIZE | MATERIAL | WT. PER FT. | Available in 20' & 40' Sections |
|----------------------|------------|----------------|------------------------------------|
| 6" x 14 ga. | Galvanized | 4.8 | |
| 6" x 12 ga. | Black | 6.6 | |
| 8" x 14 ga. | Galvanized | 6.4 | |
| 8" x 12 ga. | Galvanized | 8.9 | |
| 8" x 11 ga. | Galvanized | 10.1 | |
| 8" x 10 ga. | Galvanized | 11.3 | |
| 8" x 12 ga. | Black | 8.9 | |
| 8" x 10 ga. | Black | 11.3 | |
| 10" x 12 ga. | Galvanized | 11.1 | |
| 10" x 11 ga. | Galvanized | 12.7 | |
| 10" x 10 ga. | Galvanized | 14.2 | |
| 10" x 12 ga. | Black | 11.1 | |
| 10" x 10 ga. | Black | 14.2 | |
| 10" x 3/16 ga. | Black | 19.7 | |
| 10" x 1/4 ga. | Black | 26.0 | |
| 12" x 10 ga. | Galvanized | 17.1 | |
| 12" x 10 ga. | Black | 17.1 | |
| 12" x 3/16 ga. | Galvanized | 23.7 | |
| 12" x 3/16 ga. | Black | 23.7 | |
| 14" x 3/16 ga. | Black | 27.8 | |
| OPTIONS: | | | |
| 1. Painting One Coat | | | |
| 2. Welding Flange | | | |
| 3. Cutting | | | |
| 4. Head Hole | | | |



Shown with 1/4" URETHANE lining
w/expanded metal backing. Other
liners available upon request.

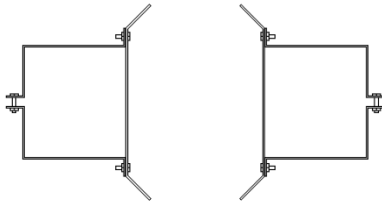
SQUARE SPOUTING

| SIZE | A | B | GAUGE |
|------|--------|-----|-------|
| 8" | 5 1/4" | 8" | 14 |
| 10" | 6 1/2" | 10" | 14 |
| 12" | 8" | 12" | 14 |
| 14" | 9 1/4" | 14" | 14 |

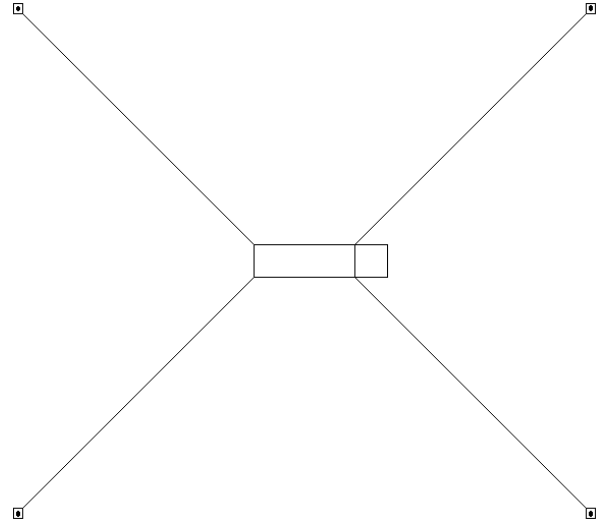
14 ga. is 25% heavier than 16 ga.
12 ga. is 40% heavier than 14 ga.
11 ga. is 14% heavier than 12 ga.
10 ga. is 12.5% heavier than 11 ga.
3/16 ga. is 36% heavier than 10 ga.

GUY WIRE ARRANGMENT

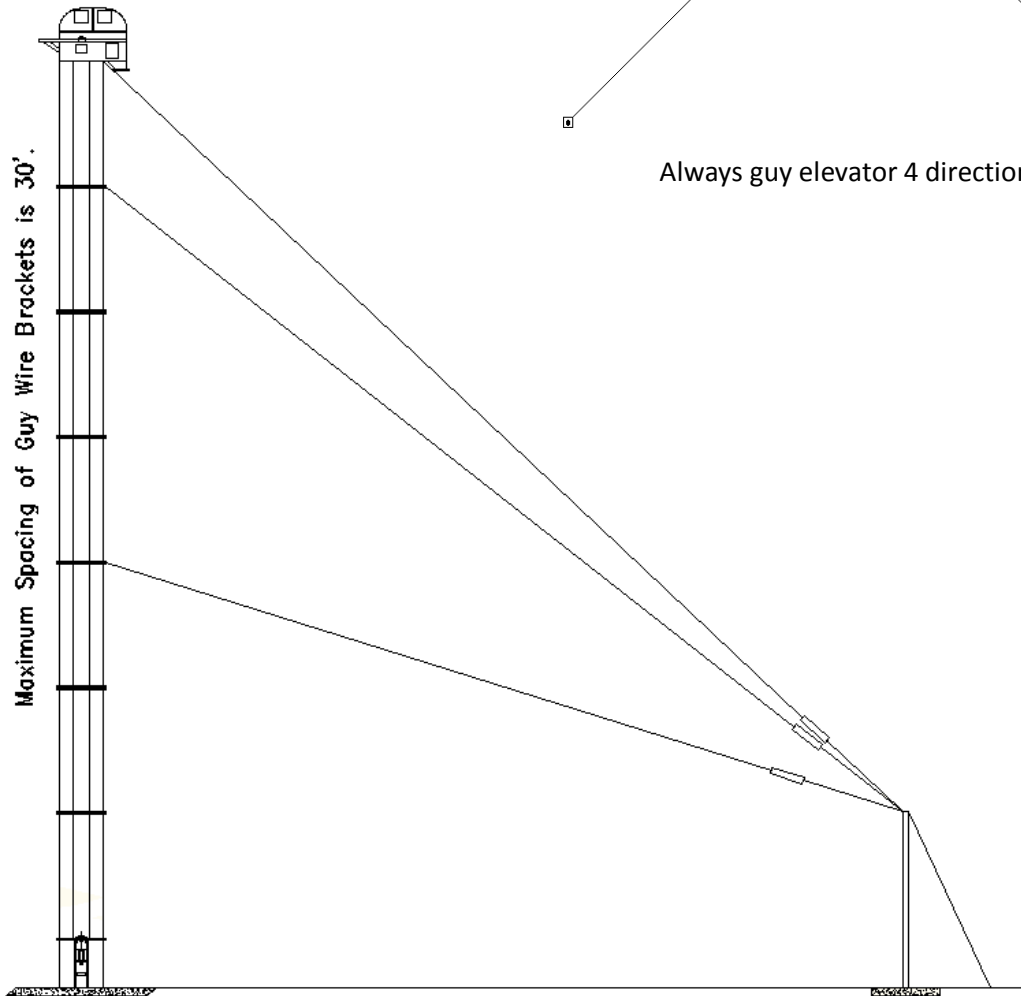
SEE BACK FOR ADDITIONAL DETAILS



Guy Wiring Brackets

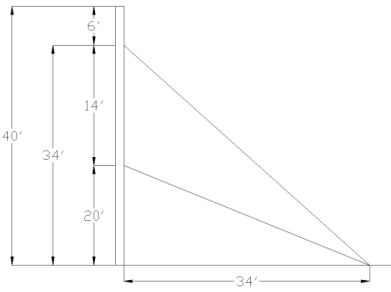


Always guy elevator 4 directions.

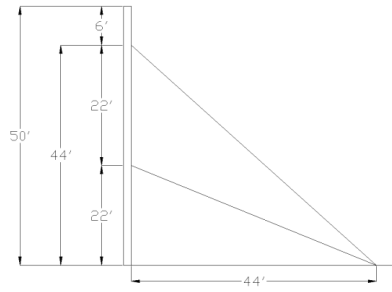


GUY CABLE ANCHORS – Before erecting the elevator, guy cable anchors should be located and installed. Anchors should be made from “I” beams, old railroad rails, or other heavy material imbedded in cement to a depth which will insure their rigidity and strength. Anchor beams should EXTEND APPROXIMATELY 14 feet above the ground, or to a height which will insure adequate clearance for trucks and tractors to pass under guy cables. The accidental collision of a truck with a guy cable CAN CAUSE EXTENSIVE DAMAGE TO THE ELEVATOR LEG.

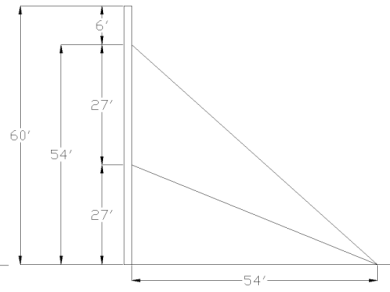
SUGGESTIONS FOR GUYING BUCKET ELEVATORS



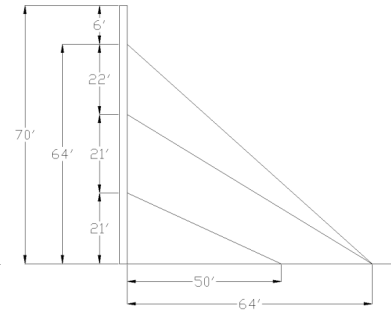
40' DOUBLE SET
CABLE REQ'D. APPROX. 370'



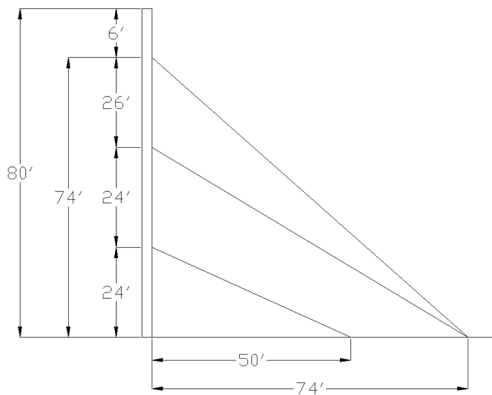
50' DOUBLE SET
CABLE REQ'D. APPROX. 450'



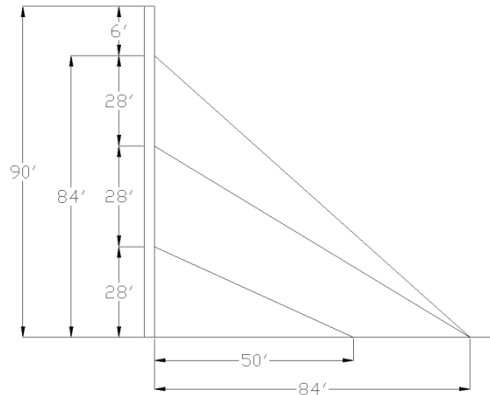
60' DOUBLE SET
CABLE REQ'D. APPROX. 630'



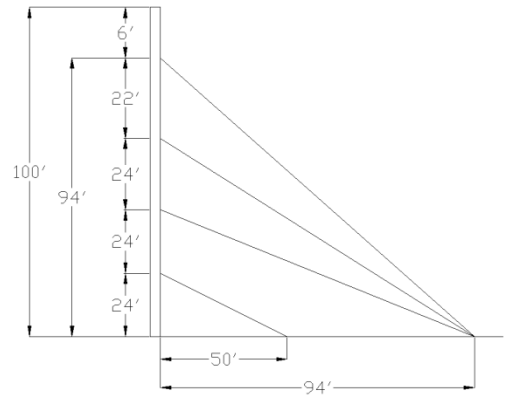
70' DOUBLE SET
CABLE REQ'D. APPROX. 905'



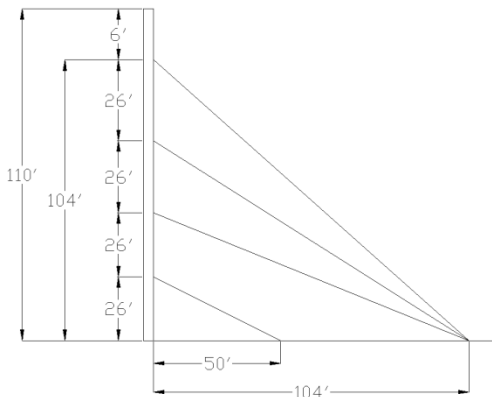
80' DOUBLE SET
CABLE REQ'D. APPROX. 945'



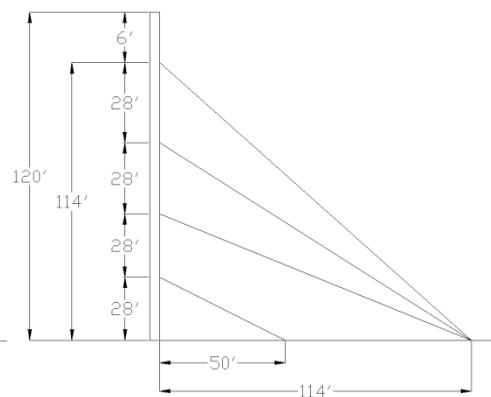
90' DOUBLE SET
CABLE REQ'D. APPROX. 1235'



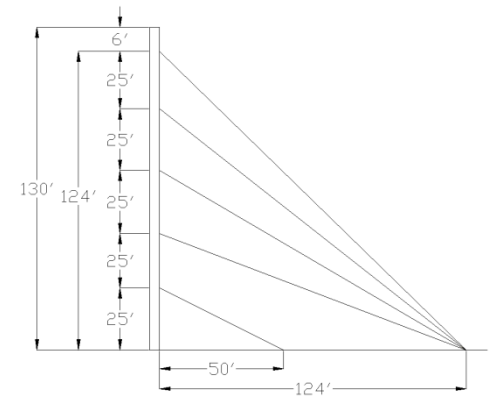
100' DOUBLE SET
CABLE REQ'D. APPROX. 1790'



110' DOUBLE SET
CABLE REQ'D. APPROX. 1960'



120' DOUBLE SET
CABLE REQ'D. APPROX. 2160'



130' DOUBLE SET
CABLE REQ'D. APPROX. 2700'

CABLE AND FITTING REQUIREMENTS FOR GUYING ELEVATORS

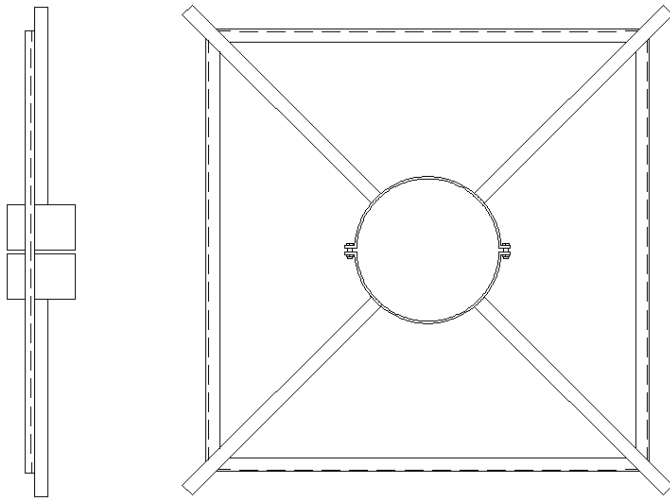
| | 40' | 50' | 60' | 70' | 80' | 90' | 100' | 110' | 120' | 130' | 140' | 150' |
|--------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| Ft. of cable | 370 | 450 | 630 | 905 | 950 | 1235 | 1790 | 1960 | 2160 | 2700 | 2900 | 3200 |
| Cable Clamps | 32 | 32 | 32 | 48 | 48 | 48 | 64 | 64 | 64 | 80 | 80 | 80 |
| Turnbuckles | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 | 16 | 20 | 20 | 20 |

All computations based on wind loads of 30lbs./sq. ft. or approx. 100 MPH.

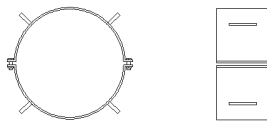
Recommendations are based on using 3/8" 7 x 19 Aircraft Cable.

TRUSS KITS

Prefabricated pipe truss kits save time and costly field labor in trussing spouting. Heavy 12 gauge pipe clamp with 1 1/2 x 3/16 angle arms bolt around spout. Truss cable can be strung in U-bolts on ends of braces and secured to ends of pipe with end pipe clamps.

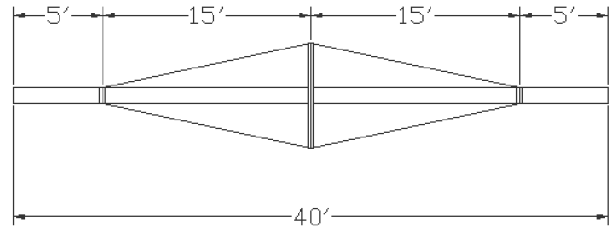


Pipe truss clamp with angle arms.

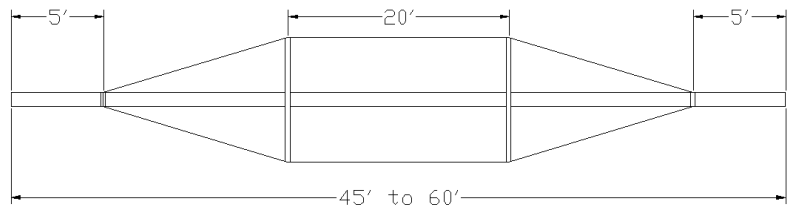


End pipe clamp.

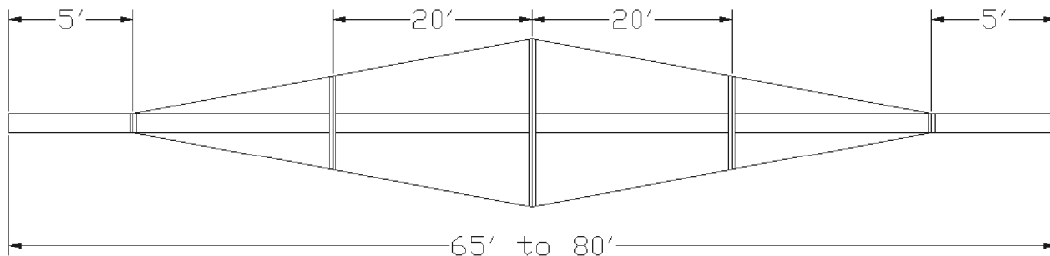
Kits available for 6", 8", 10", 12", & 14" Spouting.



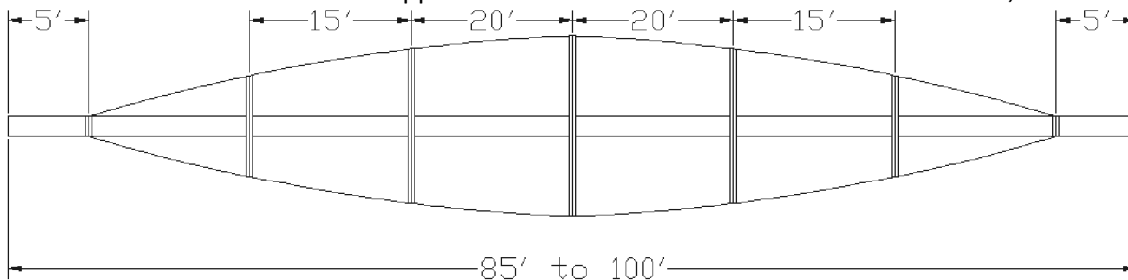
40' Spout truss kit with 1-24" spider, 2 end pipe clamps. 140'-3/8" cable, clamps, 4-1/2" x 6" turnbuckles (wt. 120 lbs.) Overall diameter of truss will be 56".



60 ft. spout truss kit with 2 - 24" spiders, 2 end pipe clamps, 200' - 3/8" cable, clamps, 4 - 1/2" x 6" turnbuckles. Kit should be mounted with appropriate dimensions as shown. Overall diameter will be 56".



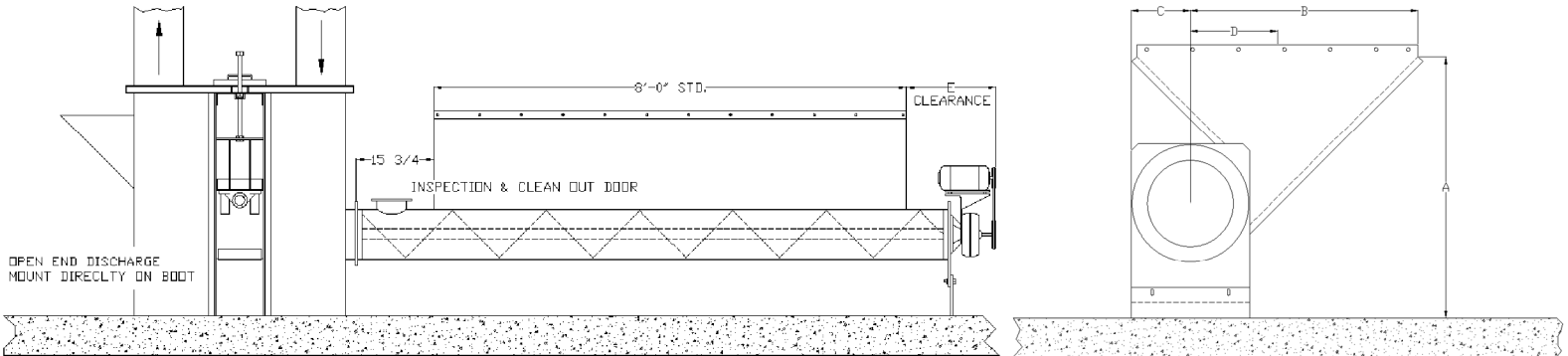
80 ft. spout truss kit with 1 - 48" spider, 2 - 24" spiders, 2 end pipe clamps, 280' - 3/8" cable, clamps, 4 - 1/2" x 6" turnbuckles. Kits should be mounted with approximate dimensions as shown. Center truss 90", Secondary truss 56".



100 ft. spout truss kit with 2 - 24" spiders, 2 - 48" spiders, 1 - 66" spider, 2 end pipe clamps, 400' - 3/8" cable, clamps, 4 - 1/2" x 6" turnbuckles. Kit should be mounted with approximate dimensions as shown. Center truss 115", secondary 90" & 56".

SIDE INLET (DUMP PIT) SCREW

Basic unit includes heavy gauge tubular type conveyor with 8 ft. bolted, flared and flanged hopper, adjustable drive and bearing plate, flanged open end discharge with internal bearing hanger, bolted lid inspection door in tubular housing, less drive and motor mount.



HORSEPOWER REQUIREMENTS

| Dia. | 10' | 12' | 15' | 20' | 25' | 30' | 35' | 40' | 45' | 50' | Cap. Bu/Hr | A | B | C | D | E | F |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------|---------|---------|---------|-----|---------|
| 9" | 5 | 5 | 5 | 5 | 5 | 7.5 | 7.5 | 7.5 | 10 | 10 | 800-2000 | 30 1/2" | 25 1/2" | 6 1/2" | 9" | 26" | 17 1/2" |
| 12" | 5 | 5 | 5 | 7.5 | 7.5 | 7.5 | 10 | 10 | 15 | 15 | 2100-3500 | 34 1/2" | 27 3/4" | 8" | 11" | 26" | 42 3/4" |
| 14" | 5 | 7.5 | 7.5 | 7.5 | 10 | 10 | 15 | 15 | 15 | 20 | 3600-5500 | 40" | 29" | 9" | 13 3/4" | 26" | 42 3/4" |
| 16" | 7.5 | 7.5 | 10 | 10 | 10 | 15 | 15 | 20 | 20 | 20 | 5600-10,000 | 40 1/2" | 30" | 10 1/4" | 13 1/2" | 26" | 42 3/4" |

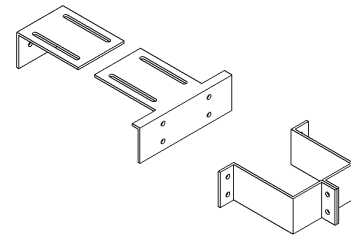
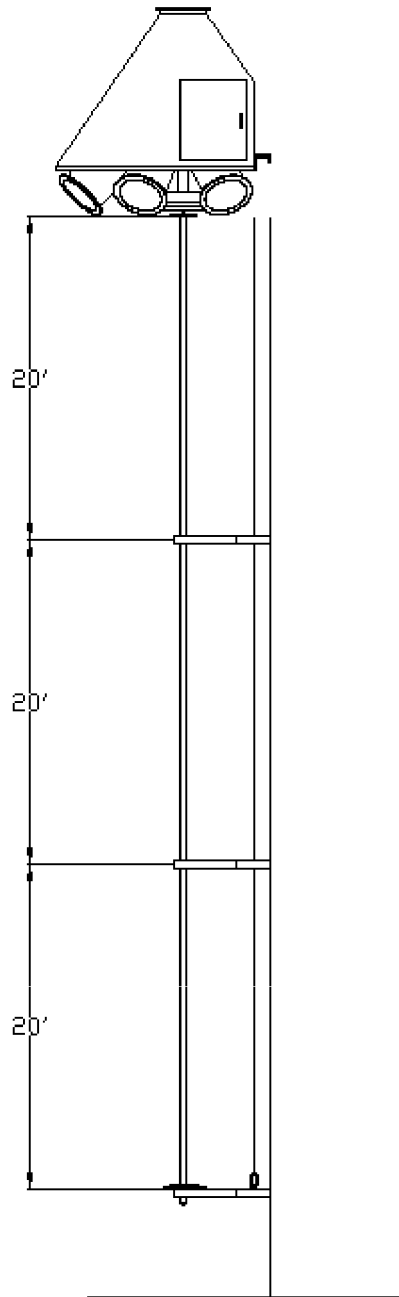
| Dia. of Auger | Dia. of Tube | Length of Basic Unit |
|---------------|--------------|----------------------|
| 9" | 10" | 10' |
| 12" | 13" | 12' |
| 14" | 15" | 12' |
| 16" | 17" | 12' |

DISTRIBUTORS

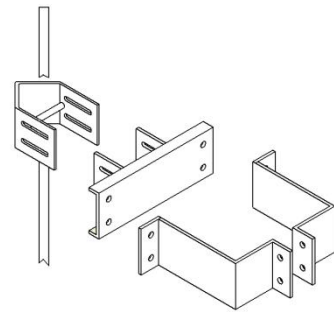
The adjustable bracket No. 1 is furnished with distributor. Standoff brackets for pipe control No. 2 should be placed approximately every 20'. No. 2 bracket and pipe vary with height and priced separately.

| Dia. | Number Outlet |
|------|---------------|
| 6" | 4 |
| 6" | 6 |
| 6" | 8 |
| 6" | 10 |
| 6" | 12 |
| 8" | 4 |
| 8" | 6 |
| 8" | 8 |
| 8" | 10 |
| 8" | 12 |
| 10" | 4 |
| 10" | 6 |
| 10" | 8 |
| 10" | 10 |
| 10" | 12 |
| 12" | 6 |
| 12" | 8 |
| 12" | 10 |
| 14" | 6 |
| 14" | 8 |
| 16" | 6 |
| 16" | 8 |

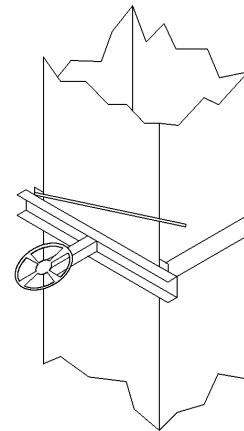
Special lining, full round, or other degrees available upon request.



No. 1 Adjustable bracket form distributor to basic leg furnished with distributor.

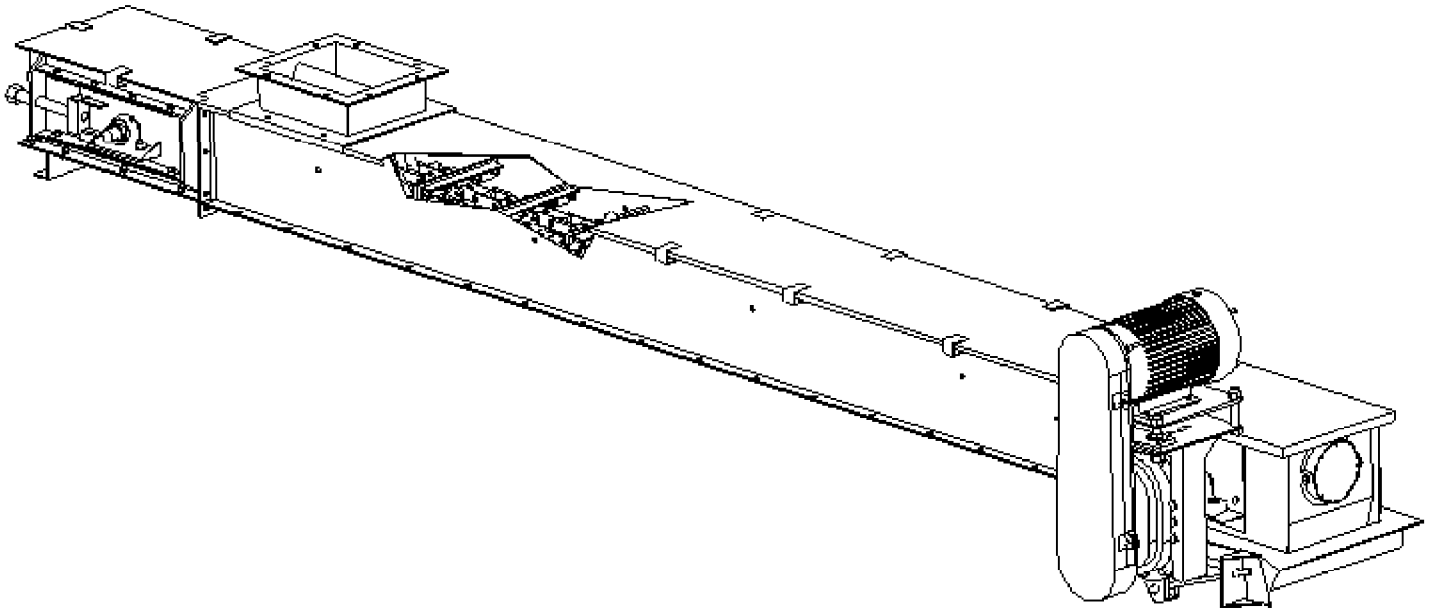


No. 2 Standoff bracket for pipe control.



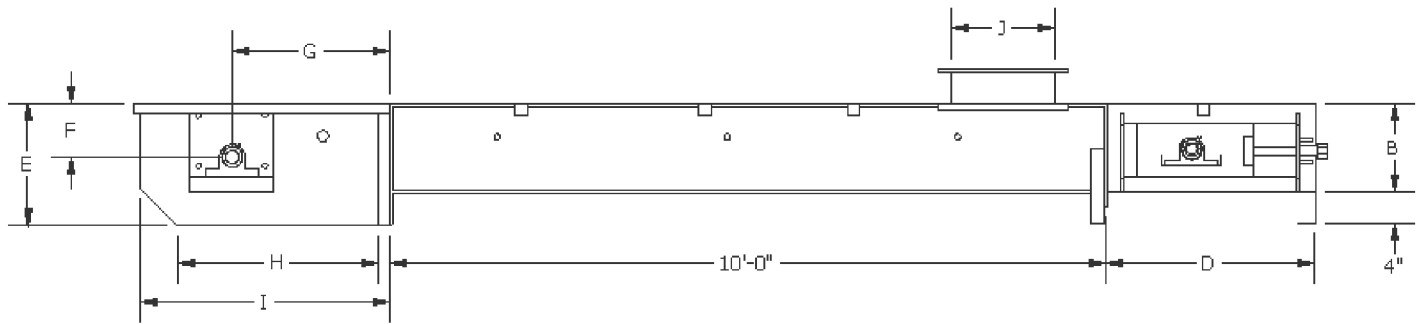
Cable control foot pedal for Both cable and pipe controls

FLAT BOTTOM DRAG CONVEYOR



AVAILABLE IN GALVANIZED, MILD STEEL AND STAINLESS STEEL

| FPM | 1 | | 75 | | 100 | | 125 | | 150 | | 175 | |
|-------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Model | BPH | CFH | BPH | CFH | BPH | CFH | BPH | CFH | BPH | CFH | BPH | CFH |
| 8 x 10 1/2 | 16 | 20 | 1200 | 1500 | 1600 | 2000 | 2000 | 2500 | 2400 | 3000 | 2800 | 3500 |
| 12 x 10 1/2 | 25 | 31 | 1875 | 2343 | 2500 | 3125 | 3125 | 3906 | 3750 | 4687 | 4375 | 5468 |
| 12 x 13 | 34 | 43 | 2550 | 3225 | 3400 | 4250 | 4250 | 5312 | 5100 | 6375 | 5950 | 7437 |
| 15 x 13 | 43 | 53 | 3225 | 3975 | 4300 | 5375 | 5375 | 6718 | 6450 | 8062 | 7525 | 9406 |
| 12 x 18 | 54 | 67 | 4050 | 5025 | 5400 | 6750 | 6750 | 8437 | 8100 | 10125 | 9450 | 11812 |
| 15 x 18 | 68 | 84 | 5100 | 6300 | 6800 | 8500 | 8500 | 10625 | 10200 | 12750 | 11900 | 14875 |
| 18 x 18 | 82 | 102 | 6150 | 7650 | 8200 | 10250 | 10250 | 12812 | 12300 | 15375 | 14350 | 17937 |
| 21 x 18 | 96 | 120 | 7200 | 9000 | 9600 | 12000 | 12000 | 15000 | 14400 | 18000 | 16800 | 21000 |
| 21 x 24 | 128 | 160 | 9600 | 12000 | 12800 | 16000 | 16000 | 20000 | 19200 | 24000 | 22400 | 28000 |



| Model | A | B | C | D | E | F | G | H | I | J | K |
|-------------|----|--------|-------|--------|--------|--------|--------|----|----|----|-------|
| 8 x 10 1/2 | 8 | 10 1/2 | 1 5/8 | 24 | 14 1/2 | 5 5/8 | 18 1/2 | 24 | 27 | 12 | 3 5/8 |
| 12 x 10 1/2 | 12 | 10 1/2 | 1 5/8 | 24 | 14 1/2 | 5 5/8 | 18 1/2 | 24 | 27 | 12 | 3 5/8 |
| 12 x 13 | 12 | 13 | 1 5/8 | 28 | 17 | 6 7/8 | 20 1/2 | 24 | 31 | 12 | 3 5/8 |
| 15 x 13 | 15 | 13 | 1 5/8 | 28 | 17 | 6 7/8 | 20 1/2 | 24 | 31 | 12 | 3 5/8 |
| 12 x 18 | 12 | 18 | 1 5/8 | 38 | 22 | 9 7/16 | 22 | 24 | 34 | 18 | 3 5/8 |
| 15 x 18 | 15 | 18 | 1 5/8 | 38 | 22 | 9 7/16 | 22 | 24 | 34 | 18 | 3 5/8 |
| 18 x 18 | 18 | 18 | 1 1/8 | 38 | 22 | 9 7/16 | 22 | 24 | 34 | 18 | 3 5/8 |
| 21 x 18 | 21 | 18 | 1 1/8 | 38 | 22 | 9 7/16 | 22 | 24 | 34 | 18 | 3 5/8 |
| 21 x 24 | 21 | 24 | 1 5/8 | 46 3/8 | 28 | 12 5/8 | 25 | 30 | 40 | 24 | 4 5/8 |

SPECIFICATIONS

JIG WELDED for top performance
that eliminates excessive
installation time and allows
easy replacement components

Heavy duty steel sprockets
pillow block bearings

Slotted shaft holes for easy
repair

Take up in head or tail section

Bottom 10 gauge

Sides 10 or 12 gauge

Top 14 ga. with sealer & U clamps

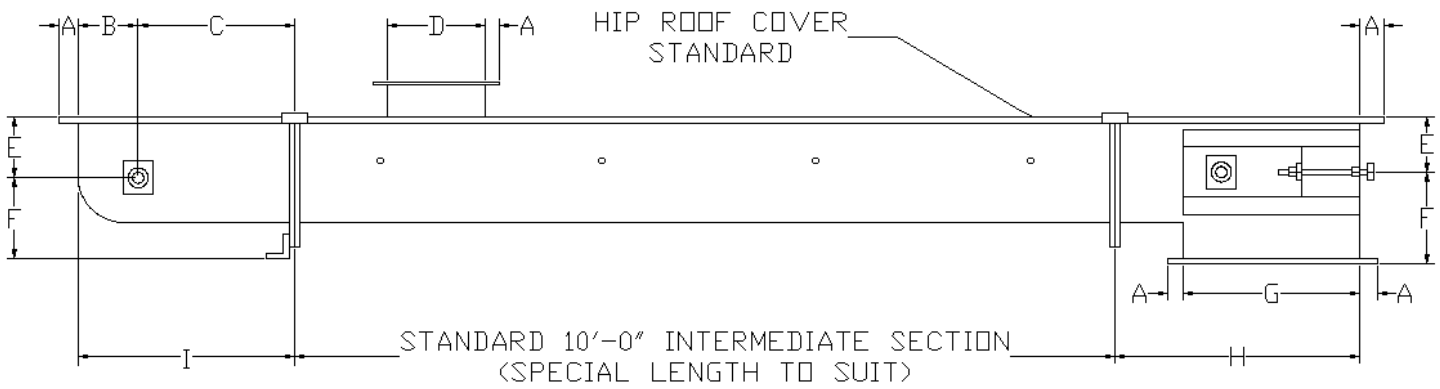
Return Idlers

All steel chain with welded
attachments

UHMW Paddles

Grain handling equipment SINCE 1956

ROUND BOTTOM DRAG CONVEYOR



| Model | A | B | C | D | E | F | G | H | I |
|-------|--------|--------|----|----|--------|--------|----|----|--------|
| 6 | 1 5/16 | 4 | 9 | 7 | 4 1/4 | 5 3/4 | 13 | 18 | 13 |
| 9 | 1 5/8 | 6 | 12 | 10 | 5 3/8 | 8 1/2 | 16 | 26 | 18 |
| 12 | 2 1/8 | 7 1/2 | 17 | 13 | 7 3/8 | 10 | 20 | 29 | 24 1/2 |
| 14 | 2 1/8 | 10 | 18 | 17 | 9 7/8 | 12 5/8 | 26 | 33 | 28 |
| 16 | 2 1/8 | 10 | 18 | 17 | 9 7/8 | 12 5/8 | 26 | 33 | 28 |
| 18 | 2 5/8 | 11 | 18 | 19 | 11 1/8 | 14 3/8 | 29 | 39 | 29 |
| 20 | 2 5/8 | 12 1/2 | 18 | 21 | 12 3/8 | 16 1/8 | 32 | 40 | 30 1/2 |
| 24 | 2 5/8 | 14 1/2 | 22 | 25 | 15 1/4 | 19 3/8 | 38 | 45 | 36 1/2 |

ENGINEERED WITH ONE GOAL IN MIND - QUALITY

| AVAILABLE IN GALVANIZED, MILD STEEL AND STAINLESS STEEL | | | | | | | | | | | | |
|---|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FPM | 1 | | 75 | | 100 | | 125 | | 150 | | 175 | |
| Model | BPH | CFH | BPH | CFH | BPH | CFH | BPH | CFH | BPH | CFH | BPH | CFH |
| 9 | 15 | 18.6 | 1125 | 1395 | 1500 | 1860 | 1875 | 2325 | 2250 | 2790 | 2625 | 3255 |
| 12 | 25 | 31 | 1875 | 2325 | 2500 | 3100 | 3125 | 3875 | 3750 | 4650 | 4375 | 5425 |
| 14 | 35 | 43 | 2625 | 3225 | 3500 | 4340 | 4375 | 5375 | 5250 | 6450 | 6125 | 7525 |
| 16 | 45 | 59 | 3375 | 4425 | 4500 | 5580 | 5625 | 7375 | 6750 | 8850 | 7875 | 10325 |
| 18 | 58 | 72 | 4350 | 5400 | 5800 | 7190 | 7250 | 9000 | 8700 | 10800 | 10150 | 12600 |
| 20 | 70 | 87 | 5250 | 6525 | 7000 | 8680 | 8750 | 10875 | 10500 | 13050 | 12250 | 15225 |
| 24 | 118 | 146 | 8850 | 10950 | 11800 | 14630 | 14750 | 18250 | 17700 | 21900 | 20650 | 25550 |

SPECIFICATIONS

JIG WELDED for top performance
that eliminates excessive
installation time and allows
easily replacement components

Heavy duty steel sprockets
pillow block bearing

Take up in head section

Top hip roof cover std.

Return idlers

All steel chain with welded
attachments

UHMW Paddles

Bend Section up to 45°

Grain Handling Equipment Since 1956

HORIZONTAL "U" TROUGH SCREW CONVEYORS

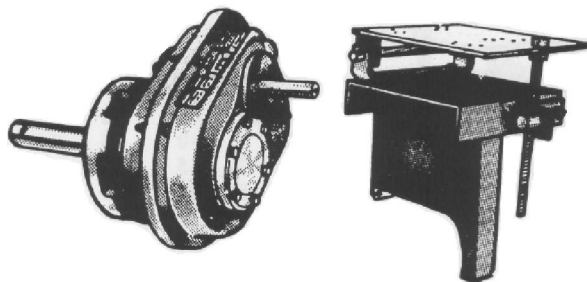


Horizontal "U" trough screw conveyors are available in 9", 12" and 14" diameter sizes. Conveyors are heavy gauge angle type trough, helicoids screws, nylon bearings, flanged covers with one standard discharge. Additional discharges can be installed at any desired position.

| 9" DIA. 1,000 B.P.H. @ 45% FILL 162 RPM | | 12" DIA. 2,200 B.P.H. @ 45% FILL 150 RPM | | 14" DIA. 3,500 B.P.H. @ 45% FILL 140 RPM | |
|--|------|---|-------|---|-------|
| Length | H.P. | Length | H.P. | Length | H.P. |
| 10' | 2 | 12' | 3 | 12' | 5 |
| 15' | 2 | 18' | 3 | 18' | 5 |
| 20' | 3 | 24' | 3 | 24' | 5 |
| 25' | 3 | 30' | 3 | 30' | 5 |
| 30' | 3 | 36' | 5 | 36' | 5 |
| 35' | 3 | 42' | 5 | 42' | 7 1/2 |
| 40' | 5 | 48' | 5 | 48' | 7 1/2 |
| 45' | 5 | 54' | 7 1/2 | 54' | 7 1/2 |
| 50' | 5 | 60' | 7 1/2 | 60' | 10 |
| 55' | 5 | 66' | 7 1/2 | 66' | 10 |
| 60' | 5 | 72' | 7 1/2 | 72' | 10 |
| 65' | 5 | 78' | 7 1/2 | 78' | 10 |
| First 10' – 270 lb. Ext. 20 lb./ft. | | First 12' – 520 lb. Ext. 32 lb./ft. | | First 12' – 630 lb. Ext. 32 lb./ft. | |

DRIVES

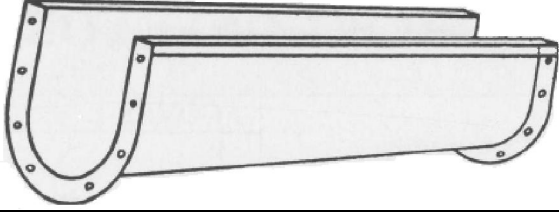
Drive comes complete with motor mount and guard less motor.

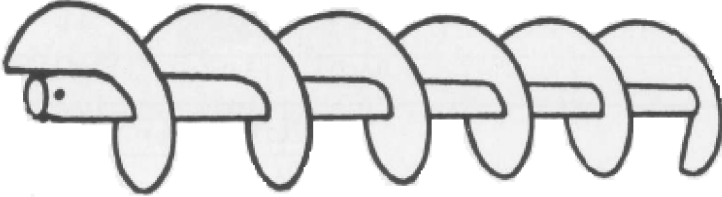


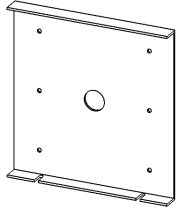
When ordering drives, specify if it is to be used on inlet end or discharge end of conveyor.

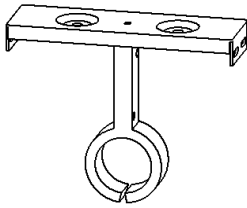
| No. | H.P. |
|---------|------|
| SC107 | 2 |
| SC107 | 3 |
| SC107 | 5 |
| SC115 | 7.5 |
| SC203 | 10 |
| SC203FK | 15 |

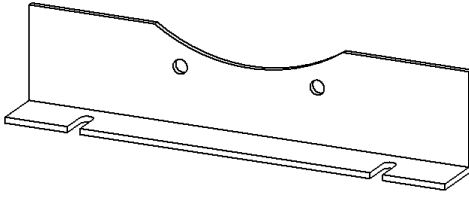
"U" TROUGH SCREW CONVEYOR PARTS

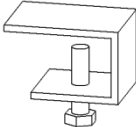
|  | U TROUGH | |
|---|-----------------|--------|
| | 9" x 10'-0" | 14 ga. |
| | 12" x 12'-0" | 12 ga. |
| | 14" x 12'-0" | 12 ga. |
| | 16" x 12'-0" | 10 ga. |
| | 18" x 12'-0" | 10 ga. |

|  | U TROUGH AUGER | |
|---|-----------------------|--|
| | 9" x 9'-10" | |
| | 12" x 11'-10" | |
| | 14" x 11'-9" | |
| | 16" x 11'-9" | |
| | 18" x 11'-9" | |

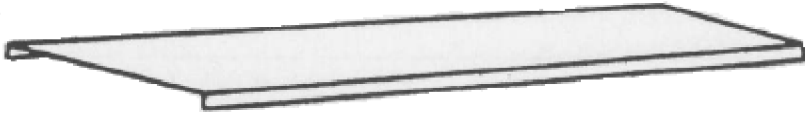
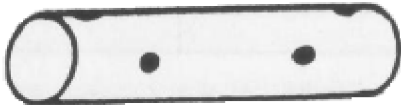
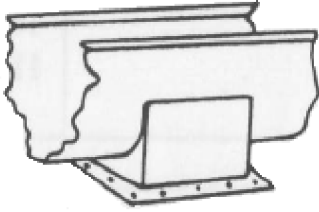
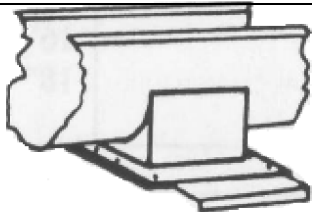
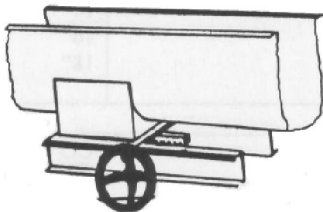

|  | END PLATE | |
|---|------------------|--|
| | 9" | |
| | 12" | |
| | 14" | |
| | 16" | |
| | 18" | |

|  | HANGERS | |
|---|----------------|--|
| | 9" – 1 ½" | |
| | 12" – 2" | |
| | 14" – 2 7/16" | |
| | 16" – 3" | |
| | 18" – 3" | |

|  | SUPPORT FEET | |
|---|---------------------|--|
| | 9" | |
| | 12" | |
| | 14" | |
| | 16" | |
| | 18" | |

|  | COVER CLAMPS |
|---|---------------------|
|---|---------------------|

"U" TROUGH SCREW CONVEYOR PARTS

| | |
|---|--------------------------|
|  | COVER |
| | 9" |
| | 12" |
| | 14" |
| | 16" |
| | 18" |
|  | COUPLING SHAFTS |
| | 1 ½" |
| | 2" |
| | 2 7/16" |
| | 3" |
| | 3 7/16" |
|  | DISCHARGE SPOUT |
| | 9" |
| | 12" |
| | 14" |
| | 16" |
| | 18" |
|  | SLIDE GATE |
| | 9" |
| | 12" |
| | 14" |
| | 16" |
| | 18" |
|  | RACK & PINION |
| | 9" |
| | 12" |
| | 14" |
| | 16" |
| | 18" |
|  | NYLON BEARINGS |
| | 1 ½" |
| | 2" |
| | 2 7/16" |
| | 3" |
| | 3 7/16" |

REPLACEMENT FLIGHTING

FOR LOW COST REPAIR OF ALL TYPES OF AUGERS

TRANSPORT AUGERS

COMBINE AUGERS

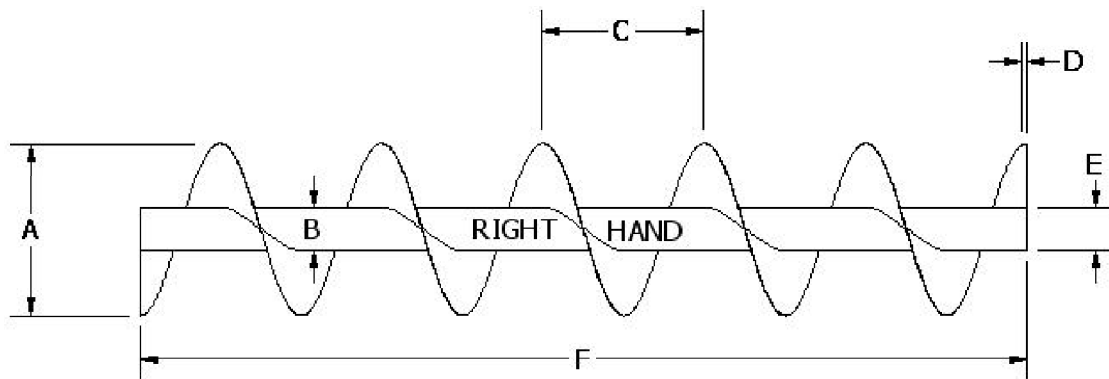
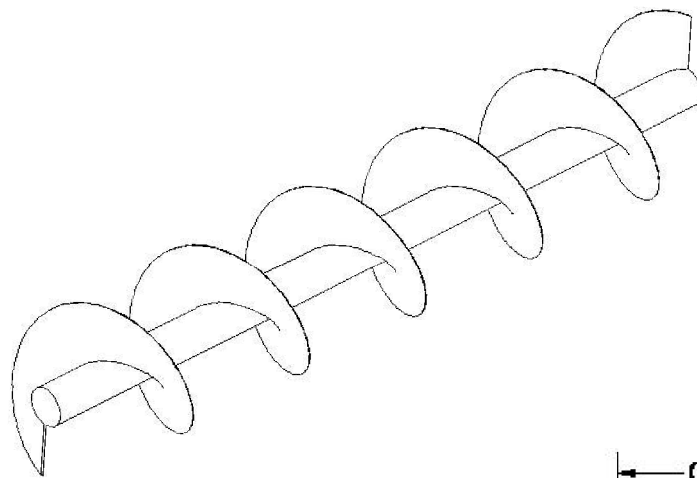
FEED WAGONS

BIN SWEEPS

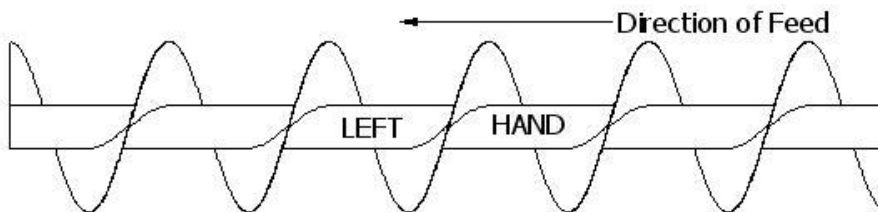
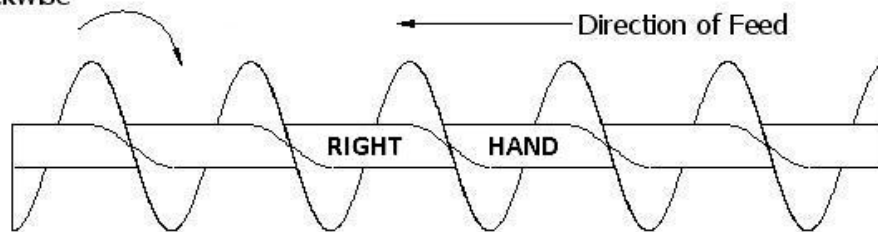
GRAIN CARTS

TROUGH CONVEYORS

MIXERS



Clockwise

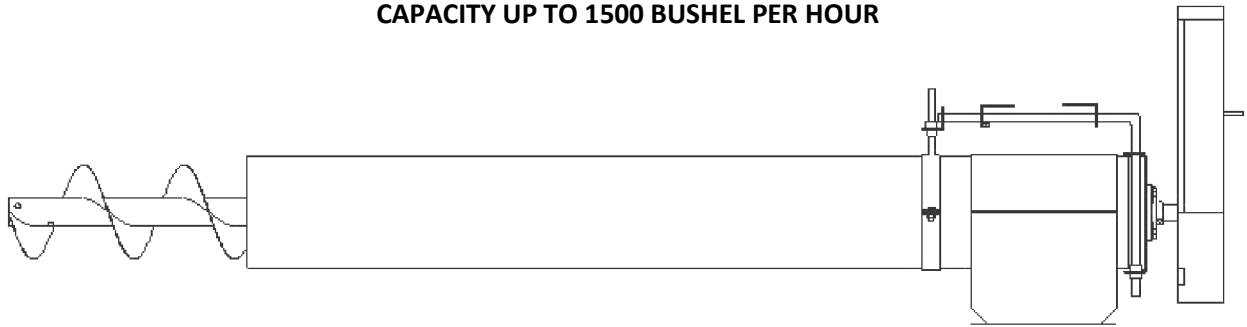


Counter -
Clockwise

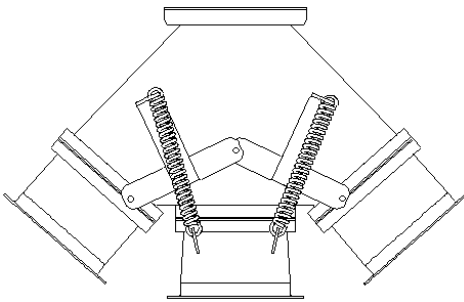
A = _____ D = _____ G = _____
 B = _____ E = _____ _____ HAND
 C = _____ F = _____

6" AUGER FOR HORIZONTAL, INCLINED OR VERTICAL OPERATION

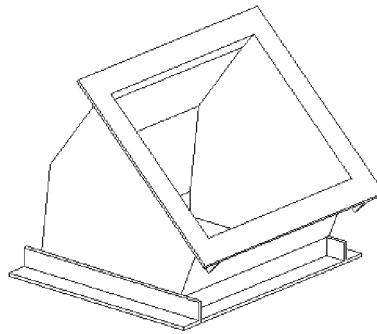
EXTENDABLE UP TO 90 FEET
CAPACITY UP TO 1500 BUSHEL PER HOUR



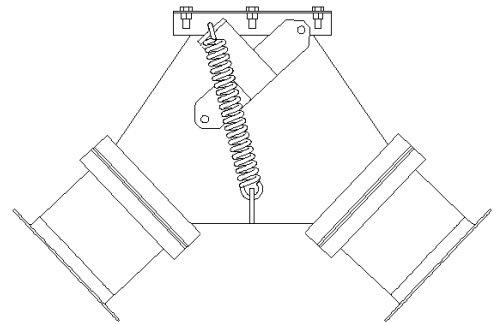
ACCESSORIES



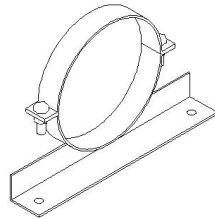
THREE WAY VALVE



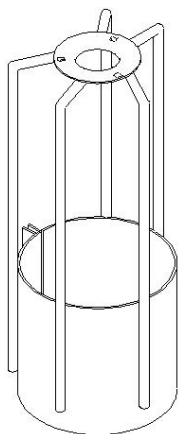
45 DEG. ELBOW



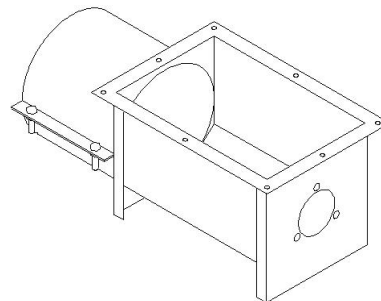
TWO WAY VALVE



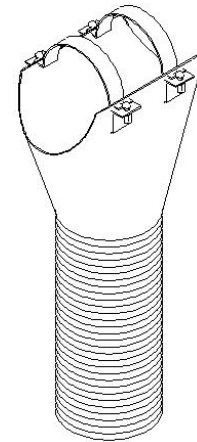
MOUNTING BRACKET



CAGED TAIL PIECE



HOPPER TAIL PIECE



DISCHARGE WITH
FLEX-SPOUT

RM 6" HORIZONTAL, INCLINED OR VERTICAL SPECIFICATIONS

Tube 6" O.D. 14 gauge galvanized. Auger: 5 3/8" O.D. x 10 gauge flighting on 1 1/2" O.D. center shaft. Heavy duty bearing, head end. Recommended auger rpm and capacity – 1000 BPH at 460 RPM, 850 BPH at 520 RPM.

BASIC UNIT Includes tube and auger, motor mount and drive shield, less drive, motor and motor sheave.

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 2168 | 6 ft. | 66 |
| 2169 | 11 ft. | 101 |
| 2170 | 16 ft. | 136 |
| 2171 | 21 ft. | 171 |
| 2172 | 26 ft. | 214 |
| 2173 | 31 ft. | 250 |
| 2174 | 36 ft. | 284 |
| 2175 | 41 ft. | 319 |

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 2176 | 46 ft. | 364 |
| 2177 | 51 ft. | 398 |
| 2178 | 56 ft. | 433 |
| 2179 | 61 ft. | 468 |
| 2180 | 66 ft. | 511 |
| 2181 | 71 ft. | 546 |
| 2182 | 76 ft. | 581 |

EXTENSION INCLUDES TUBE, AUGER & SPLICE ASSEMBLY

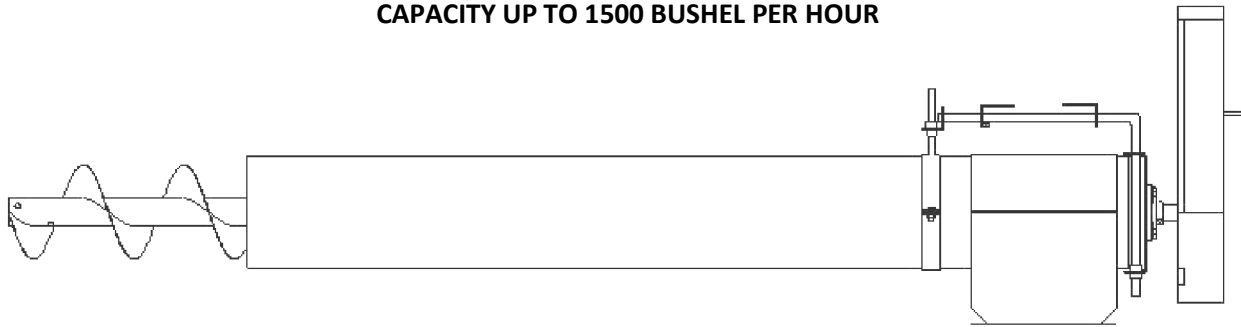
| NUMBER | LENGTH | WEIGHT |
|--------|-----------|----------|
| 10042A | 5 ft. | 44 lbs. |
| 10108A | 7 1/2 ft. | 61 lbs. |
| 10043A | 10 ft. | 78 lbs. |
| 10044A | 15 ft. | 113 lbs. |
| 10045A | 20 ft. | 144 lbs. |

DRIVE Includes: Drive Sheave & Belt(s); Electric Motor & Motor Sheave Not Included

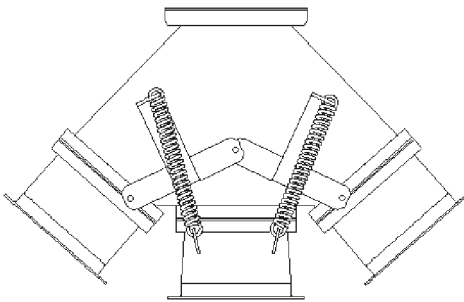
| CONTROLLED CAPACITY | MAXIMUM LENGTH | MTR. REQ'D 1750 RPM | DRIVE | WEIGHT |
|---|-------------------|------------------------|--------|--------|
| 1000 BPH 14" Drive Sheave 4" Motor Sheave Horizontal @ 460 RPM | 10 ft. | 1 H.P. | 1 belt | 12 |
| | 18 ft. | 1 1/2 H.P. | 1 belt | 12 |
| | 24 ft. | 2 H.P. | 1 belt | 12 |
| | 36 ft. | 3 H.P. | 2 belt | 21 |
| | 60 ft. | 5 H.P. | 2 belt | 21 |
| | 89 ft. | 7 1/2 H.P. | 3 belt | 27 |
| 850 BPH 14" Drive Sheave 4.5" Motor Sheave 45 deg Incline @ 520 RPM | 6 ft. | 1 H.P. | 1 belt | 12 |
| | 12 ft. | 1 1/2 H.P. | 1 belt | 12 |
| | 17 ft. | 2 H.P. | 1 belt | 12 |
| | 26 ft. | 3 H.P. | 2 belt | 21 |
| | 42 ft. | 5 H.P. | 2 belt | 21 |
| | 62 ft. | 7 1/2 H.P. | 3 belt | 27 |
| 550 BPH 14" Drive Sheave 4.5" Motor Sheave Vertical @ 520 RPM | 6 ft. | 1 H.P. | 1 belt | 12 |
| | 11 ft. | 1 1/2 H.P. | 1 belt | 12 |
| | 16 ft. | 2 H.P. | 1 belt | 12 |
| | 25 ft. | 3 H.P. | 2 belt | 21 |
| | 41 ft. | 5 H.P. | 2 belt | 21 |
| | 61 ft. | 7 1/2 H.P. | 3 belt | 27 |

8" AUGER FOR HORIZONTAL, INCLINED OR VERTICAL OPERATION

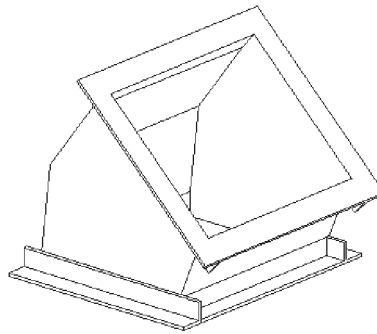
EXTENDABLE UP TO 90 FEET
CAPACITY UP TO 1500 BUSHEL PER HOUR



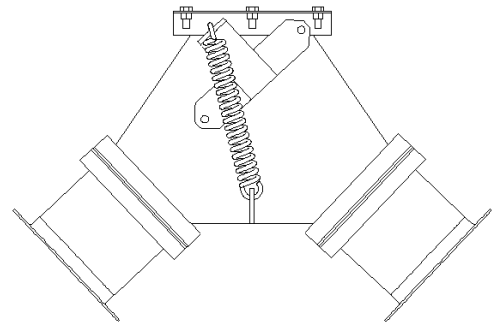
ACCESSORIES



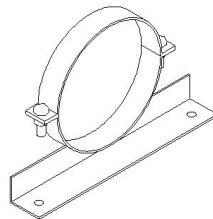
THREE WAY VALVE



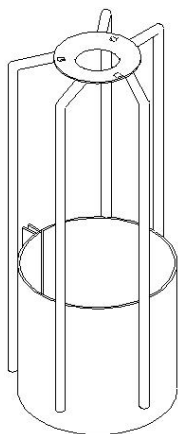
45 DEG. ELBOW



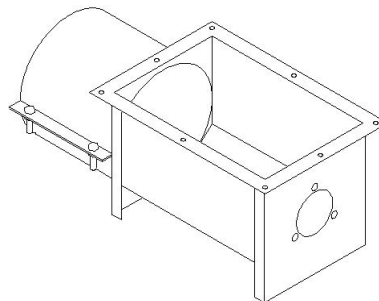
TWO WAY VALVE



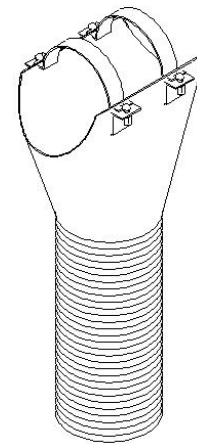
MOUNTING BRACKET



CAGED TAIL PIECE



HOPPER TAIL PIECE



DISCHARGE WITH
FLEX-SPOUT

8" HORIZONTAL, INCLINED OR VERTICAL SPECIFICATIONS

Tube 8" O.D. 14 gauge galvanized. Auger: 7" O.D. x 10 gauge flighting on 1 1/2" O.D. center shaft. Heavy duty bearing, head end. Recommended auger rpm and capacity – 2500 BPH at 460 RPM, 1500 BPH at 460 RPM, 900 BPH at 460 RPM.

BASIC UNIT Includes tube and auger, motor mount and drive shield, less drive, motor and motor sheave.

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 2183 | 6 ft. | 92 |
| 2184 | 11 ft. | 142 |
| 2185 | 16 ft. | 192 |
| 2186 | 21 ft. | 242 |
| 2187 | 26 ft. | 307 |
| 2188 | 31 ft. | 357 |
| 2189 | 36 ft. | 407 |
| 2190 | 41 ft. | 457 |

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 2191 | 46 ft. | 522 |
| 2192 | 51 ft. | 572 |
| 2193 | 56 ft. | 622 |
| 2194 | 61 ft. | 672 |
| 2195 | 66 ft. | 737 |
| 2196 | 71 ft. | 787 |
| | | |
| | | |

EXTENSION INCLUDES TUBE, AUGER & SPLICE ASSEMBLY

| NUMBER | LENGTH | WEIGHT |
|--------|-----------|----------|
| 10007A | 5 ft. | 65 lbs. |
| 10165A | 7 1/2 ft. | 90 lbs. |
| 10008A | 10 ft. | 115 lbs. |
| 10009A | 15 ft. | 165 lbs. |
| 10010A | 20 ft. | 215 lbs. |

DRIVE Includes: Drive Sheave & Belt(s); Electric Motor & Motor Sheave Not Included

| CONTROLLED CAPACITY | MAXIMUM LENGTH | MTR. REQ'D 1750 RPM | DRIVE | WEIGHT |
|--|-------------------|------------------------|--------|--------|
| 2500 BPH 14" Drive Sheave 4" Motor Sheave Horizontal @ 460 RPM | 10 ft. | 2 H.P. | 1 belt | 12 |
| | 16 ft. | 3 H.P. | 2 belt | 21 |
| | 26 ft. | 5H.P. | 2 belt | 21 |
| | 40 ft. | 7 1/2 H.P. | 3 belt | 27 |
| | 53 ft. | 10 H.P. | 3 belt | 27 |
| 1500 BPH 14" Drive Sheave 4" Motor Sheave 45 deg Incline @ 460 RPM | 9 ft. | 2 H.P. | 1 belt | 12 |
| | 14 ft. | 3 H.P. | 2 belt | 21 |
| | 23 ft. | 5H.P. | 2 belt | 21 |
| | 35 ft. | 7 1/2 H.P. | 3 belt | 27 |
| | 47 ft. | 10 H.P. | 3 belt | 27 |
| 900 BPH 14" Drive Sheave 4" Motor Sheave Vertical @ 460 RPM | 8 ft. | 2 H.P. | 1 belt | 12 |
| | 13 ft. | 3 H.P. | 2 belt | 21 |
| | 22 ft. | 5H.P. | 2 belt | 21 |
| | 33 ft. | 7 1/2 H.P. | 3 belt | 27 |
| | 44 ft. | 10 H.P. | 3 belt | 27 |



10" HORIZONTAL, INCLINED OR VERTICAL SPECIFICATIONS

BASIC UNIT

Tube 10" x 12 Ga. Galv., Auger 9" OD x 3/16 Flighting on 2 3/8" OD Center Tube with 1 1/2" Shafts, Heavy Duty Bearings, Motor Mount, and Guard.

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 2197 | 11' | 294 |
| 2198 | 16' | 388 |
| 2199 | 21' | 487 |

EXTENSION UNITS

Includes tube, flighting, and splice assembly.

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 10884A | 5' | 120 |
| 10885A | 7 1/2' | 160 |
| 11261A | 10' | 222 |
| 11262A | 15' | 330 |
| 11263A | 20' | 410 |

POWER AND SHEAVE REQUIREMENT

| CAPACITY | MAXIUM LENGTH | H.P. REQ'D | DRIVE |
|---|------------------|---------------|--------|
| 4515 BPH 19" Drive Sheave 4 3/4" Motor Sheave Horizontal @ 434 RPM | 11' | 5 H.P. | 2 Belt |
| | 30' | 10 H.P. | 2 Belt |
| | 45' | 15 H.P. | 3 Belt |
| | 60' | 20 H.P. | 4 Belt |
| | 90' | 30 H.P. | 5 Belt |

45 Degree Reduces Capacity to 3390 BPH.

12" HORIZONTAL, INCLINED OR VERTICAL SPECIFICATIONS

BASIC UNIT

Tube 12" x 10 Ga. Galv., Auger 11" OD x 3/16 Flighting on 1 1/2" OD Center Tube with 1 1/2" Shafts, Heavy Duty Bearings, Motor Mount, and Guard.

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 2200 | 11' | 320 |
| 2201 | 16' | 432 |
| 2202 | 21' | 536 |

EXTENSION UNITS

Includes tube, flighting and splice assembly.

| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 11264A | 5' | 148 |
| 11265A | 7 1/2' | 204 |
| 11266A | 10' | 256 |
| 11267A | 15' | 384 |
| 11268A | 20' | 460 |

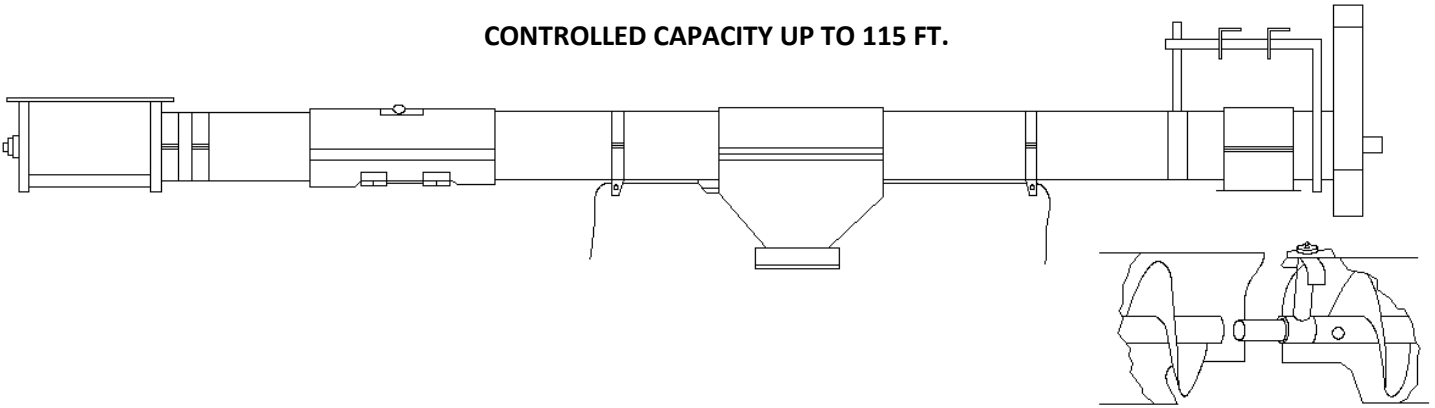
POWER AND SHEAVE REQUIREMENT

| CAPACITY | MAXIUM LENGTH | H.P. REQ'D | DRIVE |
|--|------------------|---------------|--------|
| 8220 BPH 19" Drive Sheave 4 3/4" Motor Sheave @ 434 RPM | 11' | 5 H.P. | 2 Belt |
| | 30' | 10 H.P. | 2 Belt |
| | 45' | 15 H.P. | 3 Belt |
| | 60' | 20 H.P. | 4 Belt |
| | 90' | 30 H.P. | 5 Belt |

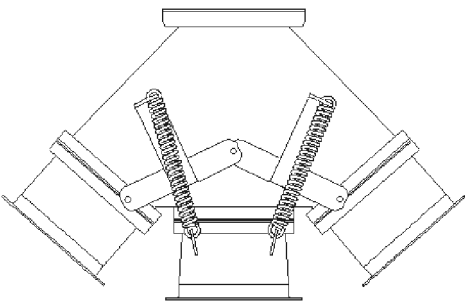
45 Degree Reduces Capacity to 6000 BPH.

6" HEAVY DUTY DISTRIBUTOR AUGER

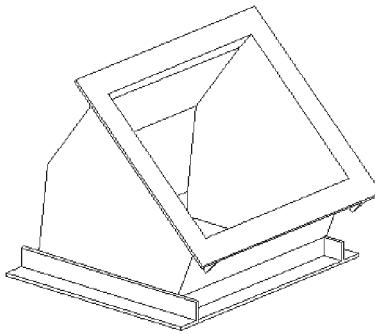
CONTROLLED CAPACITY UP TO 115 FT.



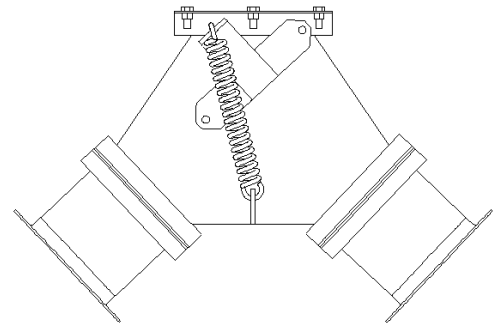
ACCESSORIES



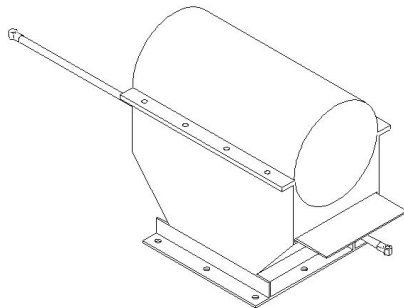
THREE WAY VALVE



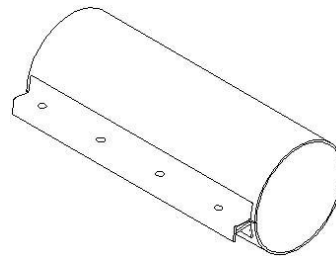
45 DEG. ELBOW



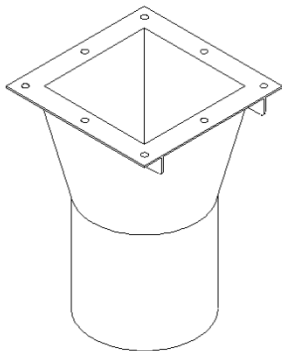
TWO WAY VALVE



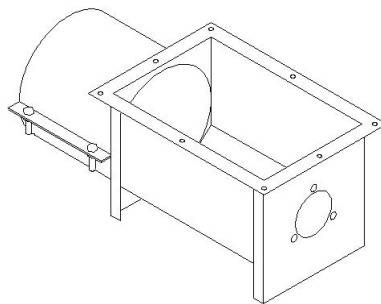
OUTLET ASSEMBLY
WITH SLIDE GATE



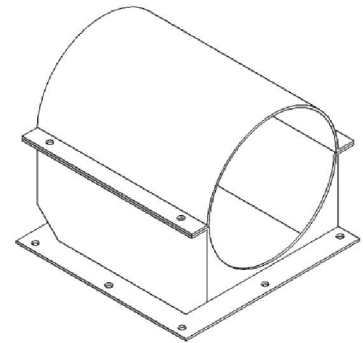
TUBE SPLICE



SQ. TO ROUND ADAPTER



HOPPER TAIL PIECE



OUTLET

6" DISTRIBUTOR AUGER SPECIFICATIONS

Tube 6" O.D. 14 gauge galvanized. Auger: 5 3/8" O.D. x 10 gauge flighting on 1 1/2" O.D. center shaft. Heavy duty bearing, head end. Recommended auger rpm and capacity – 650 BPH at 330 RPM, 800 BPH at 410 RPM.

BASIC UNIT Includes tube and auger, bearings, hopper tail piece, head outlet and motor mount with drive shield less drive, motor and motor sheave.

| NUMBER | LENGTH | WEIGHT |
|--------|---------|--------|
| 2492 | 20 ft. | 198 |
| 2493 | 40 ft. | 361 |
| 2494 | 60 ft. | 524 |
| 2495 | 80 ft. | 687 |
| 2496 | 100 ft. | 850 |
| 2497 | 120 ft. | 1013 |
| 2498 | 140 ft. | 1176 |
| 2499 | 160 ft. | 1339 |

EXTENSION Includes: tube, auger and splice assembly.

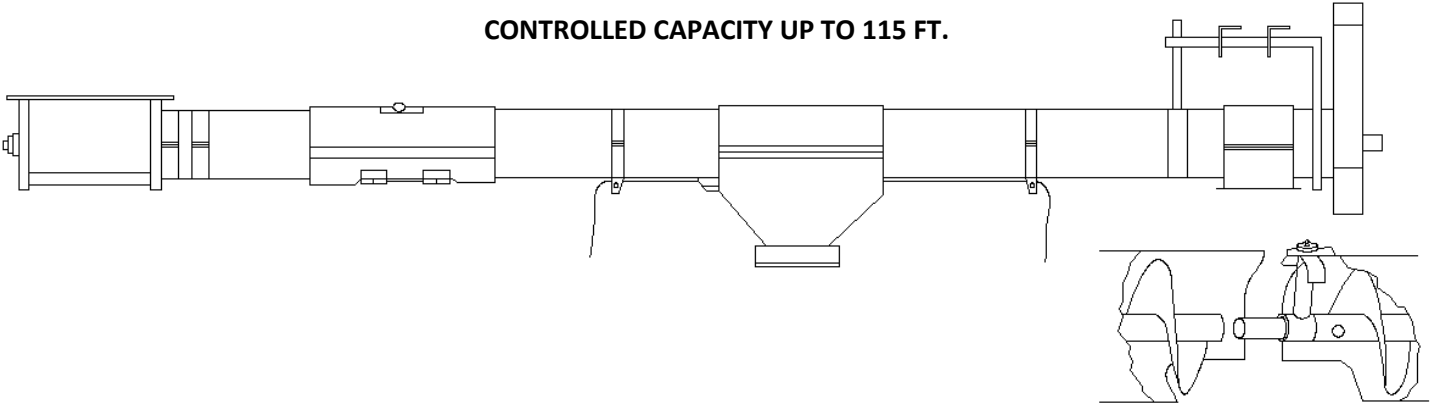
| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 12044A | 5 ft. | 49 |
| 12045A | 10 ft. | 80 |

DRIVE Includes: Drive Sheave & Belt(s); Electric Motor & Motor Sheave Not Included

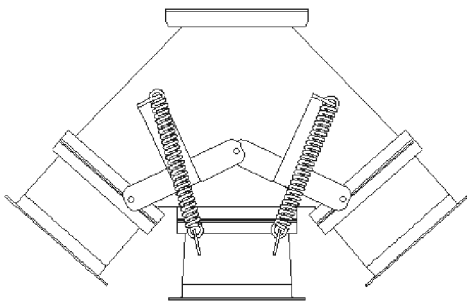
| CONTROLLED CAPACITY | RPM | 1 1/2 H.P. | 2 H.P. | 3 H.P. | 5 H.P. | 7 1/2 H.P. |
|------------------------|-----|------------|--------|--------|---------|------------|
| 650 BPH | 240 | 20 ft. | 30 ft. | 60 ft. | 120 ft. | 175 ft. |
| 800 BPH | 295 | | 28 ft. | 51 ft. | 101 ft. | 164 ft. |

8" HEAVY DUTY DISTRIBUTOR AUGER

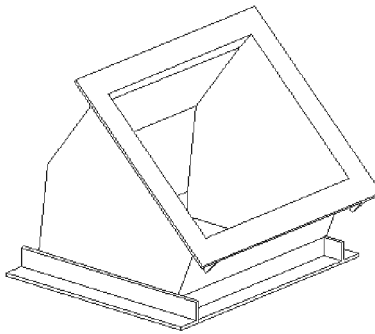
CONTROLLED CAPACITY UP TO 115 FT.



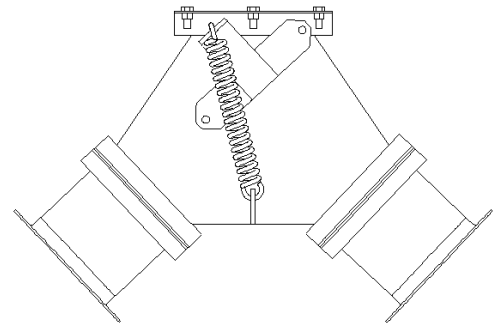
ACCESSORIES



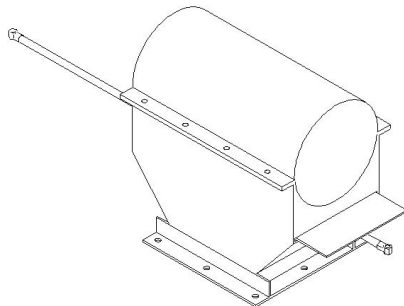
THREE WAY VALVE



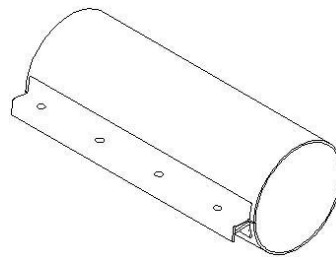
45 DEG. ELBOW



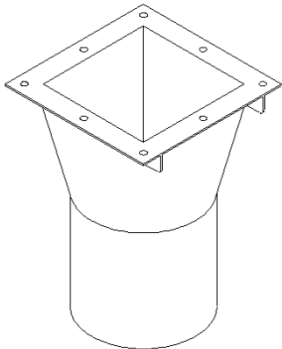
TWO WAY VALVE



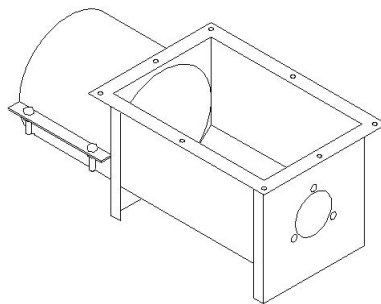
OUTLET ASSEMBLY
WITH SLIDE GATE



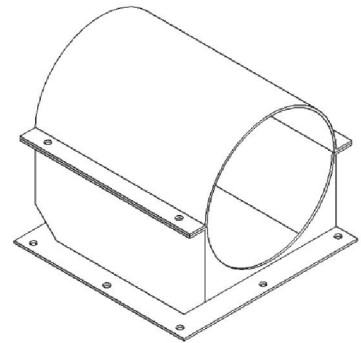
TUBE SPLICE



SQ. TO ROUND ADAPTER



HOPPER TAIL PIECE



OUTLET

8" DISTRIBUTOR AUGER SPECIFICATIONS

Tube 8" O.D. 14 gauge galvanized. Auger: 7" O.D. x 10 gauge flighting on 1 ½" O.D. center shaft. Heavy Intermediate bearing on 10" centers. Recommended auger rpm and capacity – 800 bu/hr at 150 RPM, 1500 bu/hr at 275 RPM.

BASIC UNIT Includes tube and auger, bearings, hopper tail piece, head outlet and motor mount with drive shield less drive, motor and motor sheave.

| NUMBER | LENGTH | WEIGHT |
|--------|---------|--------|
| 2500 | 20 ft. | 336 |
| 2501 | 40 ft. | 564 |
| 2502 | 60 ft. | 792 |
| 2503 | 80 ft. | 1020 |
| 2504 | 100 ft. | 1248 |
| 2505 | 120 ft. | 1476 |
| 2506 | 140 ft. | 1704 |

EXTENSION Includes: tube, auger and splice assembly.

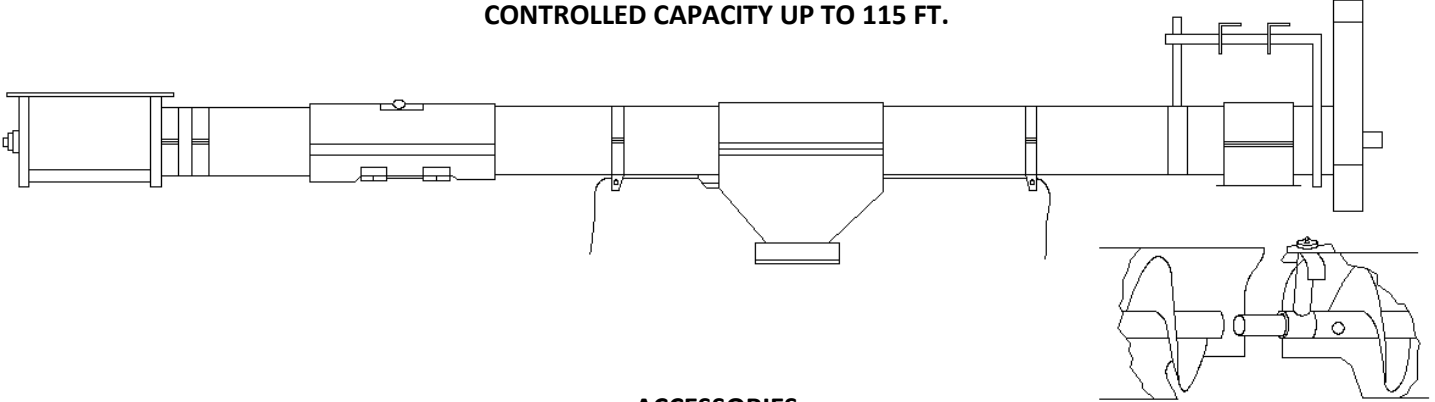
| NUMBER | LENGTH | WEIGHT |
|--------|--------|--------|
| 12048A | 5 ft. | 70 |
| 12049A | 10 ft. | 120 |

DRIVE Includes: Drive Sheave & Belt(s); Electric Motor & Motor Sheave Not Included

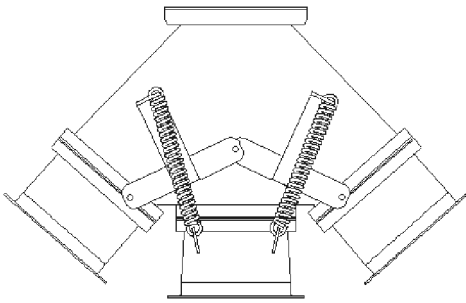
| CONTROLLED CAPACITY | RPM | 2 H.P. | 3 H.P. | 5 H.P. | 7 ½ H.P. |
|------------------------|-----|--------|--------|--------|----------|
| 800 BPH | 147 | 30 ft. | 45 ft. | 75 ft. | 110 ft. |
| 1200 BPH | 221 | 20 ft. | 30 ft. | 50 ft. | 80 ft. |
| 1500 BPH | 276 | 15 ft. | 25 ft. | 40 ft. | 60 ft. |

10" HEAVY DUTY DISTRIBUTOR AUGER

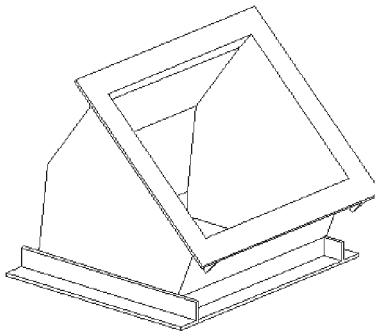
CONTROLLED CAPACITY UP TO 115 FT.



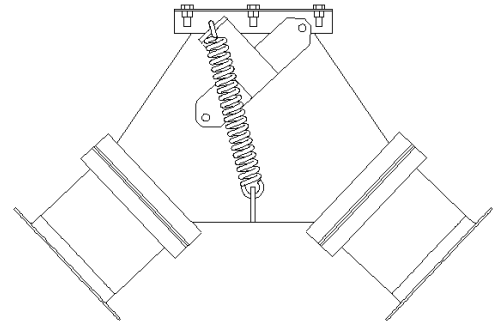
ACCESSORIES



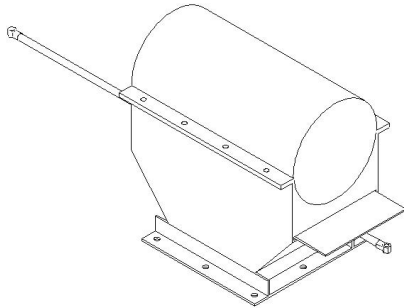
THREE WAY VALVE



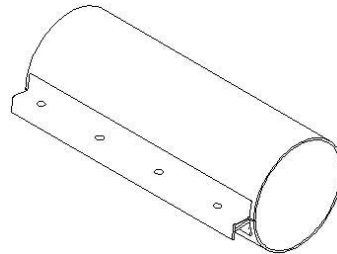
45 DEG. ELBOW



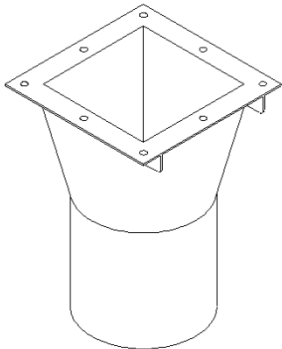
TWO WAY VALVE



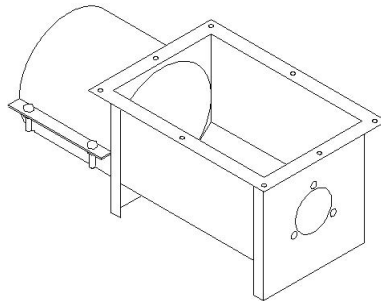
OUTLET ASSEMBLY
WITH SLIDE GATE



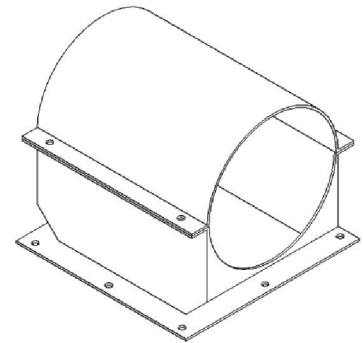
TUBE SPLICE



SQ. TO ROUND ADAPTER



HOPPER TAIL PIECE



OUTLET

10" DISTRIBUTOR AUGER SPECIFICATIONS

Tube 10" O.D. 12 gauge galvanized. Auger: 9" O.D. x 7 gauge flighting on 2 3/8" O.D. center shaft. Heavy Intermediate bearing on 10" centers. Recommended auger rpm and capacity – 1500 BPH at 150 RPM, 2300 BPH at 275 RPM, 2800 BPH at 270 RPM.

BASIC UNIT Includes tube and auger, bearings, hopper tail piece, head outlet and motor mount with drive shield less drive, motor and motor sheave.

| NUMBER | LENGTH | WEIGHT |
|--------|---------|--------|
| 2507 | 20 ft. | 530 |
| 2508 | 40 ft. | 940 |
| 2509 | 60 ft. | 1,350 |
| 2510 | 80 ft. | 1,760 |
| 2511 | 100 ft. | 2,170 |
| 2512 | 120 ft. | 2,615 |
| 2513 | 140 ft. | 3,025 |
| 2514 | 160 ft. | 3,435 |

EXTENSION Includes: tube, auger and splice assembly.

| NUMBER | EXTENSION | WEIGHT |
|--------|-----------|--------|
| 12052A | 5 ft. | 120 |
| 12053A | 10 ft. | 209 |
| 12054A | 20 ft. | 298 |









DRIVE Includes: Drive Sheave & Belt(s); Electric Motor & Motor Sheave Not Included

| CONTROLLED CAPACITY | RPM | 3 H.P. | 5 H.P. | 7 ½ H.P. | 10 H.P. | 15 H.P. | 20 H.P. |
|------------------------|-----|--------|--------|----------|---------|---------|---------|
| 1500 BPH | 150 | 25 ft. | 42 ft. | 64 ft. | 85 ft. | 128 ft. | 171 ft. |
| 1700 BPH | 163 | 23 ft. | 39 ft. | 58 ft. | 78 ft. | 117 ft. | 157 ft. |
| 2300 BPH | 224 | 17 ft. | 28 ft. | 42 ft. | 57 ft. | 85 ft. | 114 ft. |
| 2800 BPH | 270 | 14 ft. | 23 ft. | 35 ft. | 47 ft. | 71 ft. | 95 ft. |



AUGER FLIGHTING



| | | 6" 5 ¼"x5 ¼"flighting Fits inside 6" tube | 8" 7"x7"flighting Fits inside 8"tube | 10" 9"x9" flighting Fits inside 10"tube | 12" 11"x11" flighting Fits inside 12"tube |
|--------|-------|---|---|---|---|
| 1 1/2" | 10 ga |  |  | | |
| | 3/16" |  |  | | |
| 1 7/8" | 10ga. | | | | |
| | 3/16" | |  | | |
| 2 3/8" | 10 ga | | | | |
| | 3/16" | |  |  |  |

*Stock Standard Sizes

Coupling shafts and U-Joints available.

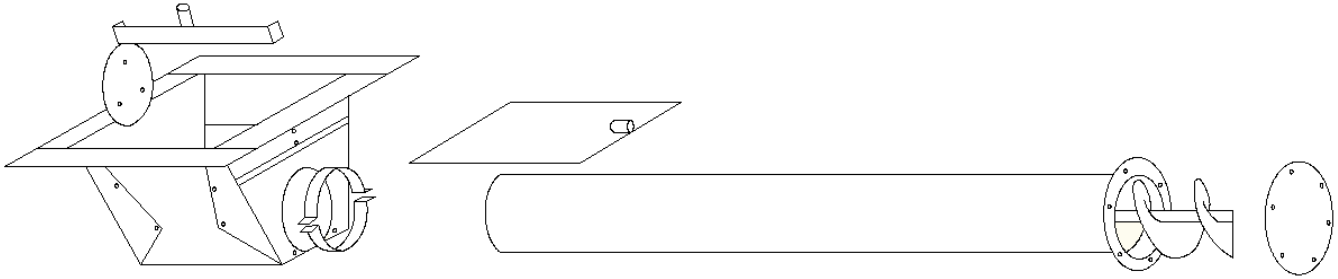
All auger sizes available in BASIC units of 6', 11', 16', and 21' lengths.

All auger sizes available in EXTENSION units of 5', 7 ½', 10', 15, and 20' lengths.

Flighting can also be sold as unmounted flighting (without center shaft).

Don't see a size you were looking for? Call us at 1-800-874-1935.

BIN WELL AND TUBE KIT FOR DRYING FLOOR

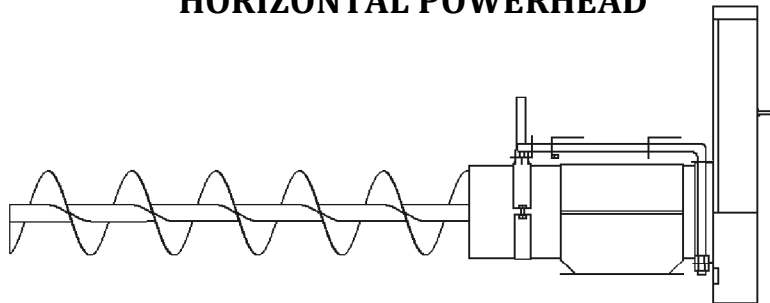


Includes center well with control gate and pivot for bin sweep tube flanged one end.
Order back bearing, bin wall flange and under floor auger with female quick-connect adaptor separately.

| Bin Dia. | Tube Lgt. | | 6" Well & Tube | 6" Flight Assembly | 8" Well & Tube | 8" Flight Assembly | 10" Well & Tube | 10" Flight Assembly |
|----------|-----------|---------|----------------|--------------------|----------------|--------------------|-----------------|---------------------|
| | 6" & 8" | 10" | | | | | | |
| 18" | 9'-3" | | | | | | | |
| 21' | 10'-9" | | | | | | | |
| 24' | 12'-3" | 12'-11" | | | | | | |
| 27' | 13'-9" | 14'-5" | | | | | | |
| 30' | 15'-3" | 15'-11" | | | | | | |
| 36' | 18'-3" | 18'-11" | | | | | | |
| 42' | 21'-3" | 21'-11" | | | | | | |
| 48' | 24'-3" | 24'-11" | | | | | | |

Note: 6" and 8" flighting assembly is 12" longer than tube. 10" flighting assembly is 19" longer than tube.

HORIZONTAL POWERHEAD



| Bin Dia. | 6 Inch | | 8 Inch | |
|----------|------------------------------------|--------|------------------------------------|--------|
| | H.P. | Weight | H.P. | Weight |
| 14' | 1 | 47 | 2 | 75 |
| 18' | 1 | 57 | 2 | 81 |
| 21' | 1.5 | 54 | 2 | 86 |
| 24' | 1.5 | 56 | 2 | 91 |
| 27' | 2 | 59 | 3 | 95 |
| 30' | 2 | 62 | 3 | 100 |
| 36' | 2 | 67 | 3 | 110 |
| 42' | 2 | 73 | 5 | 120 |
| 48' | 2 | 79 | 5 | 130 |
| | 1 Belt Drive 1 Gr. Motor Sheave | | 2 Belt Drive 2 Gr. Motor Sheave | |

This Powerhead consists of 18 Inch Tube and Flange with full length unloading auger.



PORTABLE BIN SWEEP

Includes fully-adjustable heavy-duty, steel back board and clearance wheel. "B" section drive sheave and belt. Electric motor mount (not including motor and motor sheave). Easily moved to other bins.

BASIC UNIT INCLUDES: Motor mount, drive assembly, sweep assembly, back board and rubber clearance wheel. DOES NOT INCLUDE: Electric motor and Motor sheave.

6"

| BIN DIA. | BPH | WT. | H.P. | RPM | SHEAVE |
|----------|-----|-----|------|-----|------------|
| 18' | 520 | 68 | .75 | 390 | 2.5" 1 Gr. |
| 21' | 520 | 77 | 1 | 390 | 2.5" 1 Gr. |
| 24' | 520 | 93 | 1 | 390 | 2.5" 1 Gr. |
| 27' | 520 | 100 | 1 | 390 | 2.5" 1 Gr. |
| 30' | 520 | 108 | 1.5 | 390 | 2.5" 1 Gr. |
| 36' | 520 | 122 | 1.5 | 390 | 2.5" 1 Gr. |
| 42' | | | | | |
| 48' | | | | | |

8"

| BIN DIA. | BPH | WT. | H.P. | RPM | SHEAVE |
|----------|------|-----|------|-----|------------|
| 18' | 1070 | 72 | 1 | 390 | 2.5" 1 Gr. |
| 21' | 1070 | 82 | 1 | 390 | 2.5" 1 Gr. |
| 24' | 1070 | 97 | 1.5 | 390 | 2.5" 1 Gr. |
| 27' | 1070 | 105 | 1.5 | 390 | 2.5" 1 Gr. |
| 30' | 1070 | 120 | 2 | 390 | 2.5" 1 Gr. |
| 36' | 1320 | 135 | 3 | 480 | 3" 1 Gr. |
| 42' | 1320 | 168 | 3 | 480 | 3" 1 Gr. |
| 48' | 1320 | 183 | 3 | 480 | 3" 1 Gr. |

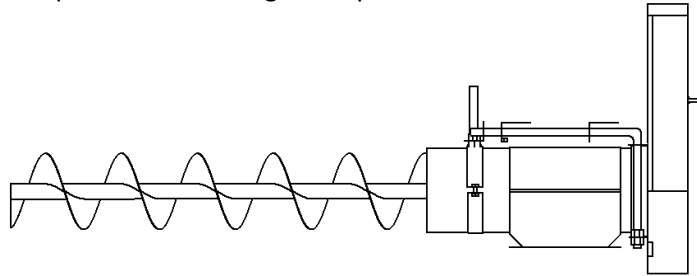
BASIC UNIT INCLUDES: removable motor mount, jackshaft and drive assembly , basic and extension sweep flight and backboard assemblies, rubber coated 12" clearance wheel and a stabilizer wheel with bracket. DOES NOT INCLUDE: Electric motor and motor sheave.

10"

| BIN DIA. | BPH | WT. | H.P. | RPM | MOTOR | SHEAVE |
|----------|------|-----|------|-----|-------|--------|
| 30' | 2015 | 344 | 7.5 | 155 | 3.35 | 2 GR. |
| 36' | 2015 | 384 | 7.5 | 155 | 3.35 | 2 GR. |
| 42' | 2015 | 453 | 7.5 | 155 | 3.35 | 2 GR. |
| 48' | 2015 | 503 | 7.5 | 155 | 3.35 | 2 GR. |
| 60' | 2015 | 638 | 10 | 155 | 3.35 | 2 GR. |
| 72' | 2015 | 743 | 15 | 155 | 3.35 | 2 GR. |
| 75' | 2015 | 768 | 15 | 155 | 3.35 | 2 GR. |

HORIZONTAL UNLOADING POWERHEAD (with stub auger)

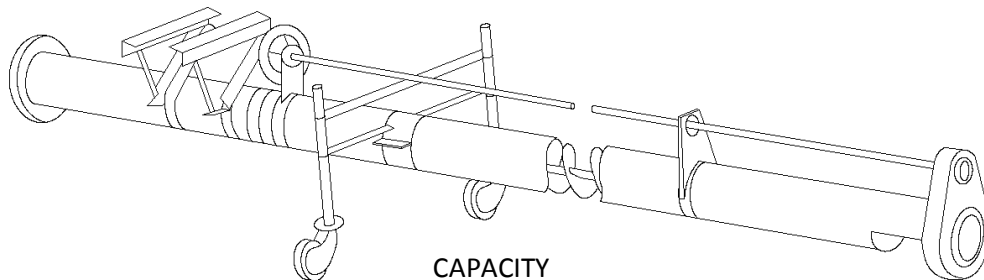
Includes 18 in. tube with flange and 18 in. flighting assembly with square male adaptor, motor mount, and drive shield. Electric motor, motor sheave and quick connect flange clamp not included.



| 6 In to 1400 BPH | | 8 In to 2400 BPH | | |
|------------------|----------------------------------|-------------------|--------|----------|
| NO. | Powerhead | Bin Size | Weight | Capacity |
| 2489 | 6" OD x 14 Ga. Galv. x 18" Tube | 18' Thru 36' Dia. | 47 | 1000 |
| 2490 | 8" OD x 14 Ga. Galv. x 18" Tube | 18' Thru 60' Dia. | 58 | 2500 |
| 2491 | 10" OD x 12 Ga. Galv. x 24" Tube | 36' Thru 60' Dia. | 128 | 4500 |

NOTE: For Drive see Horizontal, Incline Auger H.P. Drive Chart

LOW BOY HORIZONTAL UNLOADING AUGER



CAPACITY

6 in. to 1400 BPH 8 in. to 2400 BPH 10" to 4000 BPH

| LENGTH | H.P. | WEIGHT |
|--------|------|--------|
| 21' | 1.5 | 326 |
| 26' | 2 | 369 |
| 28'-6" | 2 | 384 |
| 31' | 3 | 401 |
| 36' | 3 | 432 |

| LENGTH | H.P. | WEIGHT |
|--------|------|--------|
| 21' | 5 | 455 |
| 26' | 5 | 519 |
| 28'-6" | 7.5 | 542 |
| 31' | 7.5 | 565 |
| 36' | 7.5 | 613 |

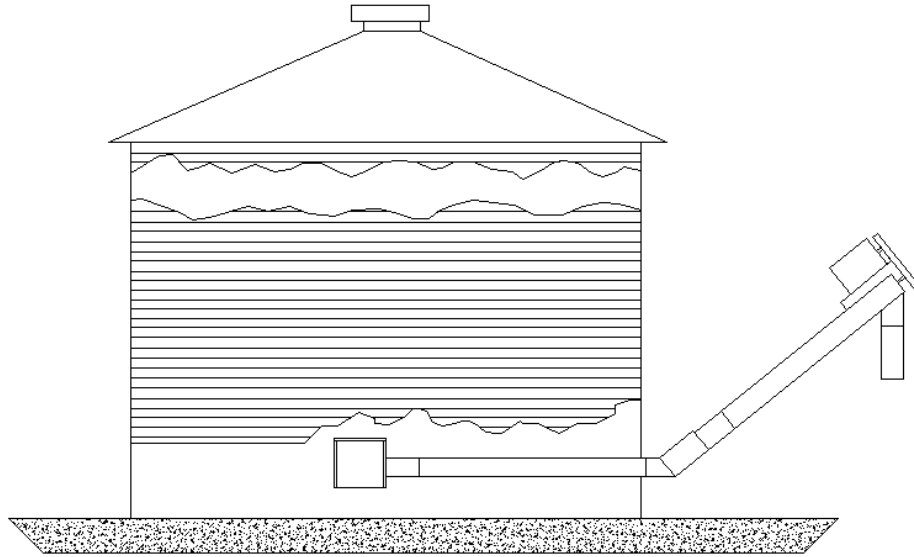
| LENGTH | H.P. | WEIGHT |
|--------|------|--------|
| 21' | 7.5 | 651 |
| 26' | 10 | 806 |
| 28'-6" | 10 | 883 |
| 31' | 10 | 960 |
| 36' | 15 | 1075 |

For drives contact Sales Department

INCLUDES: Tube and auger, enclosed sealed-in oil chain drive head, counter shaft with sealed bearings, and low-boy coaster. DOES NOT INCLUDE: Drive, motor or motor sheave.

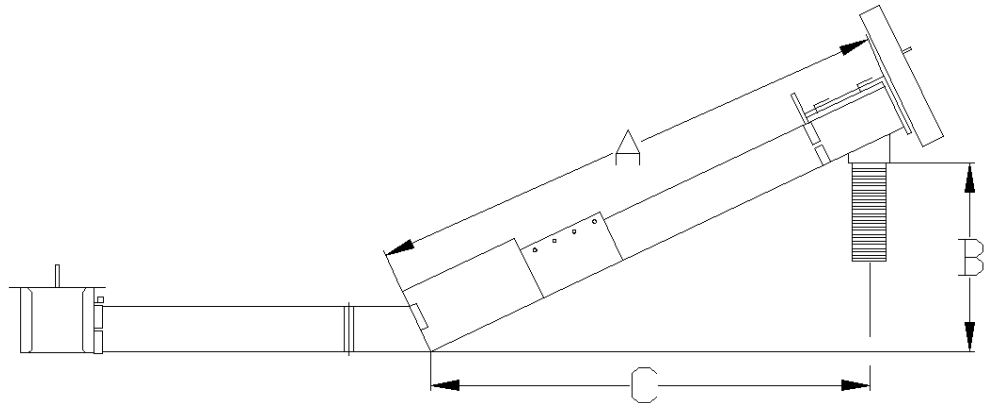
25 DEGREE VARIATION AUGER

BIN UNLOADING AND ELEVATING UP TO 12 FEET



Basic unit consists of incline tube and auger motor mount, and 18" intake section of 1/2" pitch auger.

| A | B | C |
|-----|--------|--------|
| 6' | 2'-6" | 5'-6" |
| 11' | 4'-8" | 10'-0" |
| 16' | 6'-9" | 14'-7" |
| 21' | 8'-10" | 19'-1" |



| | |
|------------------------|--|
| Basic Length | 6', 11', 16' and 21'; Extensions 5', 7-1/2', 10', 15' and 20'. |
| Tube | 6" OD x 14 ga. galvanized |
| Auger | 5-3/8" OD x 10 ga. flight |
| Auger Shaft | 1.5" OD x 1.25" ID |
| Bearing | Industrial 1-3/8" sealed thrust on drive |
| Auger Connector | Universal Joint |
| Intake Auger | 5-3/8" OD x 10 ga., 1/2 pitch |
| Capacity | Controlled to 690 BPH |
| RPM | 460 |

OPTIONAL EQUIPMENT

| | 6" UNIT | 8" UNIT | 10" UNIT |
|-----------------------|---------|---------|----------|
| DESCRIPTION | WEIGHT | WEIGHT | WEIGHT |
| Truss Assembly 20' | 37 | 60 | 118 |

VARIATION AUGER SPECIFICATIONS

Tube 6" O.D. 14 gauge galvanized. Auger 5 3/8" O.D. x 10 gauge flight on 1.5" O.D. center shaft Universal joint connector. Connector auger must be placed at inlet end at all times. Recommended auger RPM and capacity 800 BPH @ 460 RPM.

Includes inclined tube and auger, motor mount, variation connector and drive shield. Less under floor horizontal extension, drive, motor and motor sheave.

| UNIT | DISCHARGE HEIGHT | 6" WEIGHT | 8" WEIGHT |
|------|------------------|-----------|-----------|
| 6' | 2'-6" | 106 | 140 |
| 11' | 4'-8" | 138 | 134 |
| 16' | 6'-9" | 170 | 226 |
| 21' | 8'-10" | 202 | 269 |

Includes tube, auger and splice.

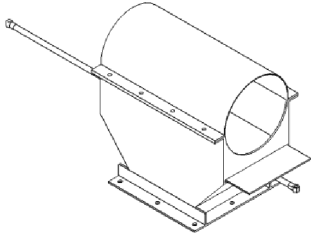
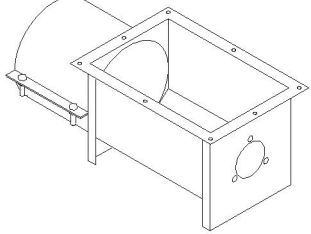
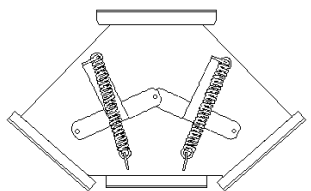
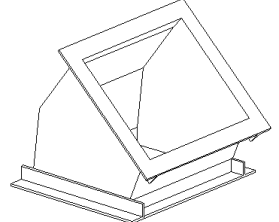
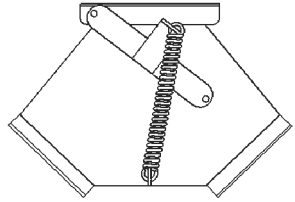
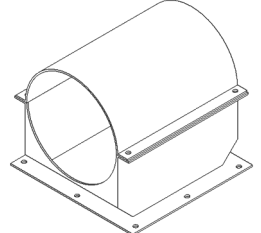
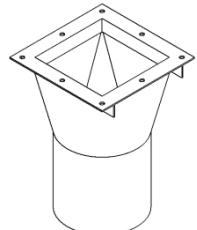
| NUMBER | DISCHARGE HEIGHT | 6" WEIGHT | 8" WEIGHT |
|--------|------------------|-----------|-----------|
| A6016 | 5' EXT. | 44 | 58 |
| A6018 | 10' EXT. | 78 | 103 |
| A6019 | 15' EXT. | 113 | 150 |
| A6020 | 20' EXT. | 144 | 191 |

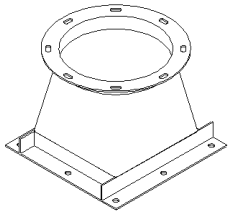
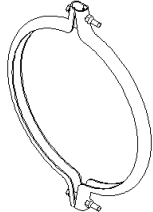
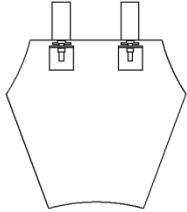

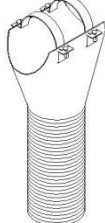
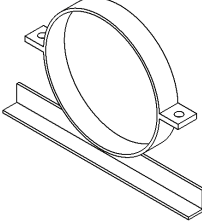
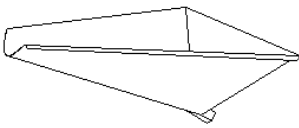
Motor and motor sheave not included. Length shown includes horizontal auger and basic incline auger. Horizontal length not to exceed 20 ft.

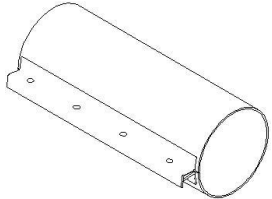
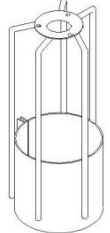
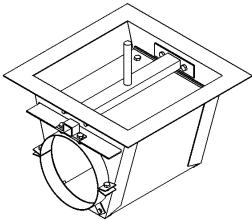
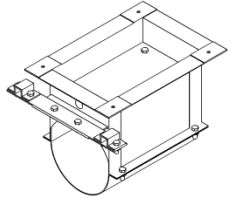
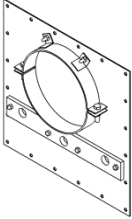
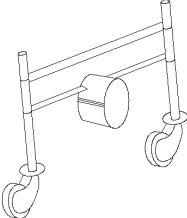
| CONTROLLED CAPACITY | MAXIMUM LENGTH | MOTOR REQ'D 1750 RPM | NUMBER | DRIVE | WEIGHT |
|---------------------|----------------|----------------------|--------|--------|--------|
| 800 BPH | 14 ft. | 1 ½ H.P. | 10116A | 1 Belt | 12 |
| 14" Dr. Sheave | 18 ft. | 2 H.P. | 10117A | 1 Belt | 12 |
| 4" Motor | 28 ft. | 3 H.P. | 10118A | 2 Belt | 21 |
| Sheave | 46 ft. | 5 H.P. | 10119A | 2 Belt | 21 |

See index for optional equipment and fittings.

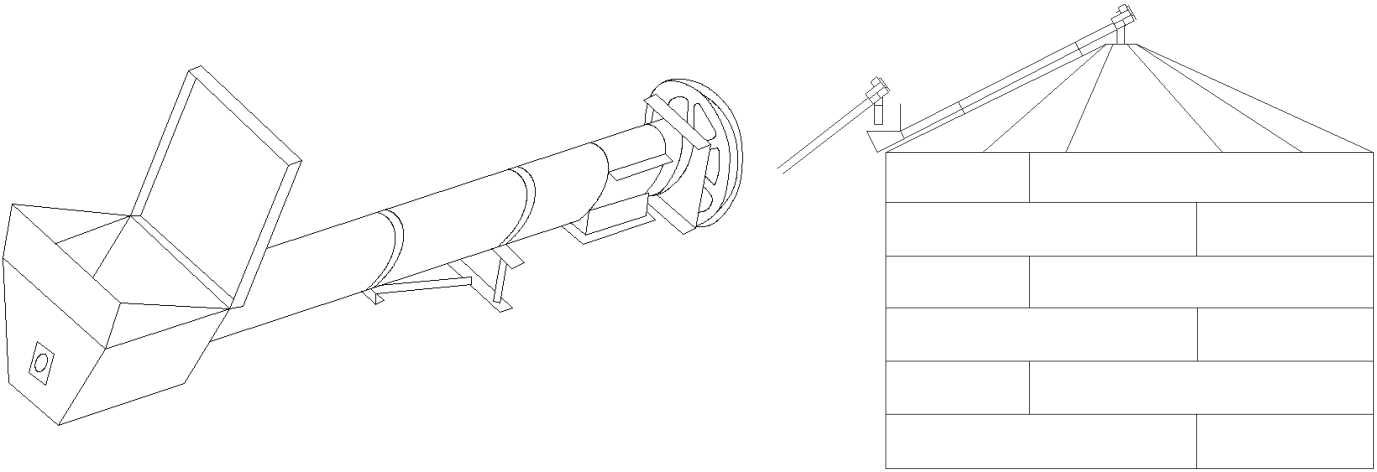
FITTINGS AND ACCESSORIES

| DESCRIPTION | 6" NUMBER | 8" NUMBER | 10" NUMBER | |
|---|--------------|--------------|---------------|---|
| Outlet with Slid Gate | 10269A | 10219A | 10247A |  |
| Hopper Tail Piece | 10263A | 10125A | 11846A |  |
| Three Way Valve Flop Gate Square Outlet | 10166A | 10186A | 10206A |  |
| 45 Degree Sq. Elbow | 10168A | 10175A | 10110A |  |
| Two Way Valve Square Outlets | 10172A | 10179A | 10189A |  |
| Discharge Spout | 11368A | 11292A | 11875A |  |
| Adaptor With 8" Tube | 10628A | 11610A | 12610A |  |

| DESCRIPTION | 6" NUMBER | 8" NUMBER | 10" NUMBER | |
|-----------------------------------|--------------|--------------|---------------|---|
| Sq. to Round Flanged Both Ends | 10521A | 11787A | 12788A |  |
| Quick Connect Flange Clamp | 11083A | 11064A | 11165A |  |
| 90 Degree Discharge Spout | 10872A | 11652A | 12752A |  |
| 20" Flex Tube | 10335C | 10355C | 10365C |  |
| 60" | 10320C | 10328C | 10338C | |
| 20" Spout & Tube | 10134A | 11653A | 11663A |  |
| 60" | 10113A | 11654A | 11655A | |
| Mounting Bracket | 10126A | 10127A | 10128A |  |
| Metal Hopper | 11623A | 11823A | 11023A |  |

| DESCRIPTION | 6" NUMBER | 8" NUMBER | 10" NUMBER | |
|--|--------------|--------------|---------------|---|
| <div>16"</div> <div>Tube Splice</div> <div>24"</div> | 10823A | 10825A | 10827A |  |
| | 10824A | 10826A | 10827A | |
| Intake Guard | 11820A | 11821A | 11822A |  |
| Bin Weld & Slide Gate With Sweep Mounting | 11613A | 11614A | 11615A |  |
| Intermediate Bin Well With Slide Gate | 11507A | 11517A | 11527A |  |
| Bin Wall Flange For Intermediate Bin Well | 11686A | 11886A | 11106A |  |
| Low Boy Coaster | 11717A | 11718A | 11719A |  |

ROOF AUGER



BASIC UNIT INCLUDES: Motor mount, drive shield, (2) mounting brackets, discharge spout and 24" x 24" intake hopper with bearing and stub shaft, and hinged cover. **DOES NOT INCLUDE:** Electric motor, motor sheave and drive.

SPECIFICATIONS

| MODEL | HOPPER | TUBE | FLIGHTING ASSEMBLY | BEARING | DRIVE | CAPACITY |
|-------|-----------------------------------|------------------------------|------------------------------|--|---|------------------------------|
| 6" | 19 1/2" lg. x 16" deep x 18" wide | 6" O.D. x 14 ga. galvanized | 5 3/16" O.D. x 10 ga. flight | Industrial 1 1/4" Sealed thrust on discharge end | 14" O.D. cast iron sheave, "B" section belts. | Up to 975 BPH @ 30 degrees |
| 8" | 19 1/2" lg. x 18" deep x 18" wide | 8" O.D. x 14 ga. galvanized | 7" O.D. x 10 ga. flight | Industrial 1 1/4" sealed thrust on discharge end | 14" O.D. cast iron sheave, "B" section belts. | Up to 2,070 BPH @ 30 degrees |
| 10" | 24" lg x 24" deep x 24" wide | 10" O.D. x 12 ga. galvanized | 9" O.D. x 7 ga. flight | Sealed precision 2" bearing on discharge end | 19" O.D. cast iron sheave section belts. | Up to 3,770 BPH @ 30 degrees |

| AVAILABLE LENGTH | | | 6" | 8" | 10" |
|------------------|--------|-----|--------|--------|--------|
| Bin Dia. | 6"&8" | 10" | Weight | Weight | Weight |
| 21' | 11' | - | 173 | 216 | - |
| 24' | 13'-6" | - | 195 | 254 | - |
| 27' | 16' | - | 210 | 272 | - |
| 30' | 18'-6" | - | 231 | 300 | - |
| 36' | 21' | 21' | 242 | 321 | 604 |
| 42' | 26' | 26' | 295 | 382 | 740 |
| 48' | 28'-6" | 31' | 310 | 408 | 836 |
| 60' | 36' | 36' | 358 | 483 | 930 |



NOTES



Lined area for notes, consisting of 20 horizontal red lines.



ROSS MANUFACTURING COMPANY, INC.

9415 HIGHWAY 54 WEST

BROWNSVILLE, TN 38012

PHONE: 731-772-0567 · 1-800-874-1935 · FAX: 731-772-0946

EMAIL: sales@rossmfgco.com · WEBSITE: www.rossmfgco.com

Adjustable Elbows (22 ½ degree)

Angle and Plate Flanges

- Mild Steel
- Galvanized

Augers and accessories

Bearings

Belt and Gear Drives

Belting

- Elevators
- Drives

Bin Sweeps and Parts

Bin wells

Bucket Elevators and Accessories

Buckets (Elevator) and Hardware

Cable and Cable Clamps

Clamp Bands

Cushion Boxes (Dead Stops)

Custom Transitions

Distributors (Turn heads)

Drag Conveyors

- Round Bottom
- Flat Bottom
- High Flight
- Replacement Parts

Feed Mill Equipment

Flex Tubes and Spouts

Flighting

Grain Retarders

Guy Wire Brackets

Hammer mills

Hoppers

Ladders

Liners

Mixers (Vertical)

Motors

Platforms

Pulleys (Crowned)

- Standard Drum
- Wing Boot

Reducers

Safety Cage

Screw Conveyor (U trough)

- Complete assembly or Parts

Shafts

- Coupling
- Keyway
- Tail
- Hanger Bearing

Spouting

- Mild Steel
- Galvanized
- Stainless Steel
- Round
- Square

Transitions

Truss Kits

Turnbuckles

Valves

- Custom
- Two Way (Y) valve
- 45 degree offset (K) valve
- 3 Way Flop Gate Valve
- Overflow

Most items available in Stainless Steel

FOR MORE INFORMATION CONTACT:

