



COMMERCIAL SERIES MATERIAL HANDLING

*Commercial Elevators &
Conveyors Engineered
for Strong, Reliable
Commercial Performance*

agri.chiefind.com

Trusted. Tested. True.®

OUR HEAD SECTION MINIMIZES BREAKAGE-CAUSING IMPACT POINTS



Components are manufactured to precise standards from heavy gauge materials for easy installation and strength.

For optimum durability, our crown-faced slide lagged or vulcanized rubber lagged head pulleys are fabricated to the stringent standards of the mining industry.



Laggings are rated SOF (Static conductive, oil resistant and fire retardant.)

- Chief's exclusive staggered-head hood-to-housing connection forms a no-impact transition.



- Ceramic liners for heavy duty use are constructed of 0.75" (6.4 mm) ceramic tile, tailored to fit the prepared surface area and are bonded to the steel with product specific adhesive. Lining options include inlet hoppers, discharge hoppers, and elevator head assembly.
- An explosion vent on the back hood side is provided for safety in case of unexpected combustion.

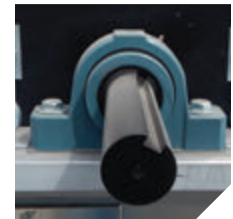


- No-tool inspection door provides easy access to the discharge throat of the bucket elevator head.

Every commercial material handling operation is unique.

That's why Chief offers maximum flexibility with a wide selection of bucket elevators, conveyors and accessories to meet your needs.

- Ball bearing or spherical pillow blocks help to withstand the most abrasive, corrosive conditions on all sizes of elevators. All shafts are, at minimum, CR 1045 material, with UHMW shaft seals.



- The discharge baffle is fabricated from UHMW (Ultra High Molecular Weight) plastic for extreme durability and spark resistance.
- Urethane liners are constructed of 0.25" (6.4 mm) thick blue, wire backed, urethane, cut to fit and secured with heavy duty flat head specific hardware. Lining options include inlet hoppers, discharge hoppers, and elevator head assembly.



CHIEF ELEVATOR TRUNK SECTIONS INSTALL EASILY

Chief manufactures several types to fit your exact needs.

Thanks to precision engineering and manufacturing, the end sections of Chief elevator trunks are perfectly aligned for an easy and straight installation.

Trunk sections are available with bolted flanged seams which are bolted together at the factory to confirm straightness and compatibility.

If required, explosion vents are supplied on 20' (6.1 m) centers in the up and down leg trunking, with an opening area that meets NFPA guidelines.*

**Consult with local authorities to verify explosion venting requirements for each application.*



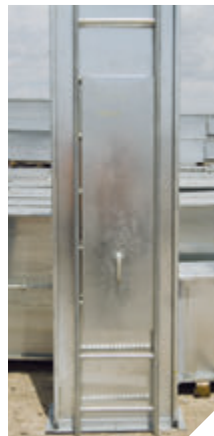
- A hinged inspection door lets you view the fill level of the buckets.

- 5' (1.52 m) or 10' (3.05 m) inspection sections have heavy duty welded frames with removable panels for easy belt and bucket maintenance.
- Models 42-20, 48-30, and 48-50 use 10' (3.05 m) inspection sections. All other models use 5' (1.52 m) inspection sections.
- A single boot inlet is standard. Lined boot inlets are optional.
- Urethane lined discharge hoppers are available for smaller models and standard on larger models.
- A wide variety of painted or galvanized distributors are available with your choice of spout diameter, outlet quantity with cable or electric controls.
- Guy wire packages are available to meet the specific size and discharge height of the elevator.

- Polyethylene buckets are standard.
- Steel, stainless steel, urethane, nylon or vented buckets are optional.



- Head service and distributor platforms are available for all bucket elevators. All ladder packages and platforms comply with OSHA standards. A lockable access door is added to all ladder packages.



For optimum longevity, Chief offers fully galvanized material handling systems to withstand the most corrosive conditions. All components feature rugged construction and are designed for easy maintenance.



CHIEF BUCKET ELEVATORS COMBINE SAFETY AND STRENGTH



Bucket elevators also have urethane liners, easy-open hinged discharge inspection doors, and head hood slide clamps.



Pillow block bearings are used on both the head and boot and are either spherical or ball bearing design. The rugged shafts are of a minimum CR 1045 material.



The trunking inspection door can be easily adapted for dust collection equipment.

Manual take-up boot sections and assorted trunk sections are available to fit every need.

Standard for 30" pulleys and smaller

- Unique hat section bottom panel located 2¼" (57.15 mm) above ground level prevents grain from standing in shallow water.
- Multiple boot section inspection doors allow for easy maintenance.
- Inspection doors provide access to the heavy duty drum or self-cleaning winged pulley.
- 45° clean-out sections on the end panels of each boot section are standard.



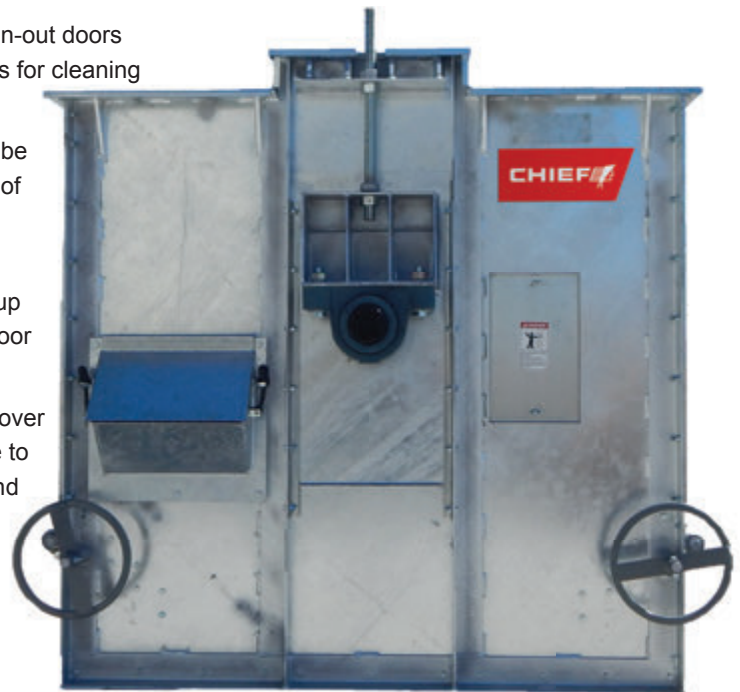
Heavy duty commercial elevator boot is ideal for extra heavy use!

Standard for 36" pulleys and larger

- Welded and hot-dipped galvanized frame is constructed with structural angle support and 0.25" (6.4 mm) plates.
- Generous 4" (101.6 mm) clearance below the bottom plate allows for greater accessibility.
- Rack and pinion clean-out doors provide easier access for cleaning the boot.
- The hand wheel can be moved to either side of the boot for added flexibility.
- Spring-loaded cleanup safety catch keeps door securely open.
- Side shovel pocket cover has a stainless hinge to prevent corrosion, and a weather and dust-tight seal.

- Side shovel pocket makes it easy to feed loose grain that may have spilled around the boot area. The built-in grate helps to prevent foreign objects from being fed into the elevator.

(Note: Rubber latches must be in place under normal operation.)



ENGINEERING SPECIFICATIONS

BUSHEL CAPACITY	PULLEY DIAMETER	PLASTIC CC		PULLEY RPM	BELT		Discharge (D)
		BUCKET SIZE	BUCKET SPACE		SPEED (FPM)	BELT WIDTH	
500 BPH	10"	6 X 4	9"	109	321	7"	6" RD.
12.7 MTPH	(254.0)	(152.4 X 101.6)	(228.6)	109	(1.63 M/S)	(177.8)	(152.4)
750 BPH	10"	6 X 4	6"	109	314	7"	6" RD.
19.0 MTPH	(254.0)	(152.4 X 101.6)	(152.4)	109	(1.59 M/S)	(177.8)	(152.4)
1000 BPH	10"	6 X 4 LP	4.5"	109	314	7"	6" RD.
25.4 MTPH	(254.0)	(152.4 X 101.6)	(114.3)	109	(1.59 M/S)	(177.8)	(152.4)
1000 BPH	16"	9 X 6	20"	93	420	10"	6" RD.
25.4 MTPH	(406.4)	(228.6 X 152.4)	(508.0)	93	(2.13 M/S)	(254.0)	(152.4)
1500 BPH	16"	9 X 6	14"	93	414	10"	6" RD.
38.1 MTPH	(406.4)	(228.6 X 152.4)	(356.6)	93	(2.1 M/S)	(254.0)	(203.2)
2000 BPH	16"	9 X 6	10"	93	414	10"	8" RD.
50.8 MTPH	(406.4)	(228.6 X 152.4)	(254.0)	93	(2.1 M/S)	(254.0)	(203.2)
2500 BPH	16"	9 X 6	8"	93	414	10"	8" RD.
63.5 MTPH	(406.4)	(228.6 X 152.4)	(203.2)	93	(2.1 M/S)	(254.0)	(203.2)
3000 BPH	16"	9 X 6	7"	93	414	10"	8" RD.
76.2 MTPH	(406.4)	(228.6 X 152.4)	(177.8)	93	(2.1 M/S)	(254.0)	(203.2)
3000 BPH	24"	12 X 6	10.5"	73	483	13"	8" RD.
76.2 MTPH	(609.6)	(304.8 X 152.4)	(266.7)	73	(2.45 M/S)	(330.2)	(203.2)
3500 BPH	24"	12 X 6	9"	73	483	13"	10" RD.
88.9 MTPH	(609.6)	(304.8 X 152.4)	(228.6)	73	(2.45 M/S)	(330.2)	(254.0)
4000 BPH	24"	12 X 6	8"	73	483	13"	10" RD.
101.6 MTPH	(609.6)	(304.8 X 152.4)	(203.2)	73	(2.45 M/S)	(330.2)	(254.0)
4000 BPH	30"	12 X 6	9"	67	548	13"	10" RD.
101.6 MTPH	(762.0)	(304.8 X 152.4)	(228.6)	67	(2.78 M/S)	(330.2)	(254.0)
5000 BPH	30"	12 X 6 LP	7"	67	548	13"	10" RD.
127.0 MTPH	(762.0)	(304.8 X 152.4)	(177.8)	67	(2.78 M/S)	(330.2)	(254.0)
6000 BPH	30"	12 X 6 LP	6"	67	548	13"	12" RD.
152.4 MTPH	(762.0)	(304.8 X 152.4)	(152.4)	67	(2.78 M/S)	(330.2)	(304.8)
5000 BPH	36"	12 X 7	12"	65	634	13"	12" RD.
127.0 MTPH	(914.4)	(304.8 X 177.8)	(304.8)	65	(3.22 M/S)	(330.2)	(304.8)
6000 BPH	36"	12 X 7	10"	65	634	13"	12" RD.
152.4 MTPH	(914.4)	(304.8 X 177.8)	(254.0)	65	(3.22 M/S)	(330.2)	(304.8)
7000 BPH	36"W	16 X 7	12"	65	634	17"	12" RD.
177.8 MTPH	(914.4)	(406.4 X 177.8)	(304.8)	65	(3.22 M/S)	(431.8)	(304.8)
8000 BPH	36"W	16 X 7	10.5"	65	634	17"	14" RD.
203.2 MTPH	(914.4)	(406.4 X 177.8)	(266.7)	65	(3.22 M/S)	(431.8)	(356.6)
9000 BPH	36"W	16 X 7	9.5"	65	634	17"	16" RD.
228.6 MTPH	(914.4)	(406.4 X 177.8)	(241.3)	65	(3.22 M/S)	(431.8)	(406.4)
8000 BPH	42"	16 X 8	14.5"	58	657	17"	14" RD.
203.2 MTPH	(1066.8)	(406.4 X 203.2)	(368.3)	58	(3.34 M/S)	(431.8)	(356.6)
9000 BPH	42"	16 X 8	13"	58	657	17"	16" RD.
228.6 MTPH	(1066.8)	(406.4 X 203.2)	(330.2)	58	(3.34 M/S)	(431.8)	(406.4)
10,000 BPH	42"	16 X 8	11.5"	58	657	17"	16" RD.
254.0 MTPH	(1066.8)	(406.4 X 203.2)	(292.1)	58	(3.34 M/S)	(431.8)	(406.4)
12,000 BPH	42"	16 X 8	10"	58	657	17"	18" RD.
304.8 MTPH	(1066.8)	(406.4 X 203.2)	(254.0)	58	(3.34 M/S)	(431.8)	(457.2)

NOTE: Bucket Elevators have a standard Left Hand (LH) projection which means from the motor mount looking towards the discharge of the elevator the drive arrangement will be on the left hand side.
 Gauges listed are for galvanized legs.
 8 gauge galvanized is replaced with 7 gauge HR on painted legs.

STANDARD & METRIC DIMENSIONS

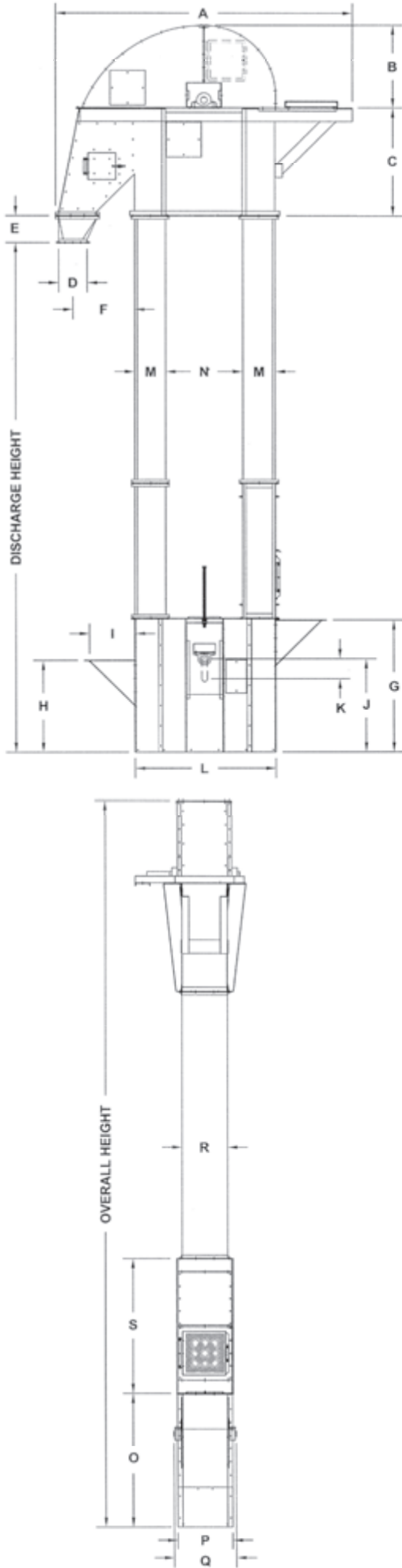
PULLEY DIAMETER	10"	16"	24"	30"	36"	36" W	42"
	(254.0)	(406.4)	(609.6)	(762.0)	(914.4)	(914.4)	(1066.8)
A	64"	76"	84"	103"	124"	124"	142"
B	15"	22"	26"	32"	37"	37"	42"
C	19"	22"	22"	34"	48"	48"	58"
D	See Engineering specifications						
E	12"	12"	12"	12"	12"	12"	12"
F	16"	20"	20"	28"	33"	33"	39"
G	32"	39"	47"	59"	59"	59"	71"
H	26"	29"	30"	41"	41"	41"	50"
I	10"	13"	16"	23"	18"	18"	27"
J	22"	25"	31"	37"	39"	39"	47"
K	6"	9"	9"	12"	9"	9"	12"
L	25"	34"	42"	48"	62"	62"	68"
M	8.5"	10"	10"	10"	14"	14"	14"
N	203.2	(355.6)	(558.8)	(711.2)	(863.6)	(863.6)	(1016.0)
O	36"	48"	48"	60"	60"	60"	72"
P	13"	16"	16"	20"	20"	24"	24"
Q	17"	20"	22"	23"	23"	28"	28"
R	10"	13"	16"	16"	16"	20"	20"
S	60"	60"	60"	60"	60"	60"	60"
MATERIAL THICKNESS							
Head Housing	11ga	11ga	11ga	11ga	8ga	8ga	8ga
Hood Side	14ga	14ga	14ga	12ga	8ga	8ga	8ga
Hood Band	11ga	11ga	11ga	11ga	8ga	8ga	8ga
Boot Housing	11ga	8ga	8ga	8ga	8ga	8ga	8ga
Trunking	14ga	14ga	14ga	12ga	12ga	12ga	12ga

Key Dimensions in inches
 Dimensions in (millimeters)

ENGINEERING SPECIFICATIONS

BUSHEL CAPACITY	PULLEY DIAMETER	PLASTIC CC		PULLEY RPM	BELT		DISCHARGE
		BUCKET SIZE	BUCKET SPACE		SPEED (FPM)	BELT WIDTH	
10,000 BPH	48"	16 X 8	12"	56	722	17"	16" RD.
254 MTPH	(1219.2)	(406.4 X 203.2)	(304.8)	56	(3.67 M/S)	(431.8)	(406.4)
12,000 BPH	48"	16 X 8	10"	56	722	17"	18" RD.
305 MTPH	(1219.2)	(406.4 X 203.2)	(254.0)	56	(3.67 M/S)	(431.8)	(457.2)
15,000 BPH	48"	20 X 8	10.5"	56	722	21"	20" RD.
380 MTPH	(1219.2)	(508.0 X 203.2)	(266.7)	56	(3.67 M/S)	(533.4)	(508.0)
20,000 BPH	48"	2@16 X 8	13"	56	722	22"	22" RD.
510 MTPH	(1219.2)	2@(406.4 X 203.2)	(330.2)	56	(3.67 M/S)	(558.8)	(457.2)
25,000 BPH	48"	2@16 X 8	10.5"	56	722	34"	24" SQ.
640 MTPH	(1219.2)	2@(406.4 X 203.2)	(266.7)	56	(3.67 M/S)	(863.6)	(609.6)
30,000 BPH	48"	2@16 X 8	8.5"	56	722	34"	24" SQ.
760 MTPH	(1219.2)	2@(406.4 X 203.2)	(215.9)	56	(3.67 M/S)	(863.6)	(609.6)
40,000 BPH	48"	3@16 X 8	9"	56	722	57"	30" SQ.
1020 MTPH	(1371.6)	3@(406.4 X 203.2)	(228.6)	56	(3.67 M/S)	(1447.8)	(762.0)

CHIEF BUCKET ELEVATORS



STANDARD & METRIC DIMENSIONS

	48"	48"	48"	48"	48"	48"	48"
PULLEY DIAMETER	(1219.2)	(1219.2)	(1219.2)	(1219.2)	(1219.2)	(1219.2)	(1219.2)
BUSHEL per HOUR	10,000	12,000	15,000	20,000	25,000	30,000	40,000
METRIC TON per HOUR	254	305	380	510	640	760	1,020
A	146"	146"	146"	150"	146"	150"	160"
	(3708.4)	(3708.4)	(3708.4)	(3810.0)	(3708.4)	(3810.0)	(4064.0)
B	44"	44"	44"	58"	44"	58"	58"
	(1117.6)	(1117.6)	(1117.6)	(1473.2)	(1117.6)	(1473.2)	(1473.2)
C	60"	60"	60"	60"	60"	60"	60"
	(1524.0)	(1524.0)	(1524.0)	(1524.0)	(1524.0)	(1524.0)	(1524.0)
D	See Engineering Specifications						
E	30.5"	30.5"	30.5"	30.5"	30.5"	30.5"	30.5"
	(774.7)	(774.7)	(774.7)	(774.7)	(774.7)	(774.7)	(774.7)
F	25"	25"	25"	25"	25"	25"	26"
	(635.0)	(635.0)	(635.0)	(635.0)	(635.0)	(635.0)	(660.4)
G	71"	71"	71"	71"	71"	71"	71"
	(1803.4)	(1803.4)	(1803.4)	(1803.4)	(1803.4)	(1803.4)	(1803.4)
H	50"	50"	50"	50"	50"	50"	50"
	(1270.0)	(1270.0)	(1270.0)	(1270.0)	(1270.0)	(1270.0)	(1270.0)
I	27"	27"	27"	27"	27"	27"	27"
	(685.8)	(685.8)	(685.8)	(685.8)	(685.8)	(685.8)	(685.8)
J	47"	47"	47"	47"	47"	47"	53"
	(1193.8)	(1193.8)	(1193.8)	(1193.8)	(1193.8)	(1193.8)	(1346.2)
K	12"	12"	12"	12"	12"	12"	12"
	(304.8)	(304.8)	(304.8)	(304.8)	(304.8)	(304.8)	(304.8)
L	74"	74"	74"	74"	74"	74"	74"
	(1879.6)	(1879.6)	(1879.6)	(1879.6)	(1879.6)	(1879.6)	(1879.6)
M	14"	14"	14"	14"	14"	14"	14"
	(355.6)	(355.6)	(355.6)	(355.6)	(355.6)	(355.6)	(355.6)
N	46"	46"	46"	46"	46"	46"	46"
	(1168.4)	(1168.4)	(1168.4)	(1168.4)	(1168.4)	(1168.4)	(1168.4)
O	72"	72"	72"	72"	72"	72"	84"
	(1828.8)	(1828.8)	(1828.8)	(1828.8)	(1828.8)	(1828.8)	(2133.6)
P	24"	24"	32"	32"	42"	42"	72"
	(609.6)	(609.6)	(812.8)	(812.8)	(1066.8)	(1066.8)	(1828.8)
Q	34.5"	34.5"	41"	41"	52"	52"	86.5"
	(876.3)	(876.3)	(1041.4)	(1041.4)	(1320.8)	(1320.8)	(2197.1)
R	20"	20"	28"	28"	41"	41"	65"
	(508.0)	(508.0)	(711.2)	(711.2)	(1041.4)	(1041.4)	(1651.0)
S	60"	60"	60"	120"	120"	120"	120"
	(1524.0)	(1524.0)	(1524.0)	(3048.0)	(3048.0)	(3048.0)	(3048.0)
MATERIAL THICKNESSES							
HEAD HOUSING	8ga	8ga	8ga	8ga	8ga	8ga	0.25"
	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(6.35)
HOOD SIDE	8ga	8ga	8ga	8ga	8ga	8ga	0.25"
	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(6.35)
HOOD BAND	8ga	8ga	8ga	8ga	8ga	8ga	0.25"
	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(6.35)
BOOT HOUSING	8ga	8ga	8ga	8ga	8ga	8ga	0.25"
	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(4.26)	(6.35)
TRUNKING	12ga	12ga	10ga	10ga	10ga	10ga	10ga
	(2.75)	(2.75)	(3.51)	(3.51)	(3.51)	(3.51)	(3.51)

CHIEF'S DEPENDABLE CHAIN/SPROCKET COMBINATIONS

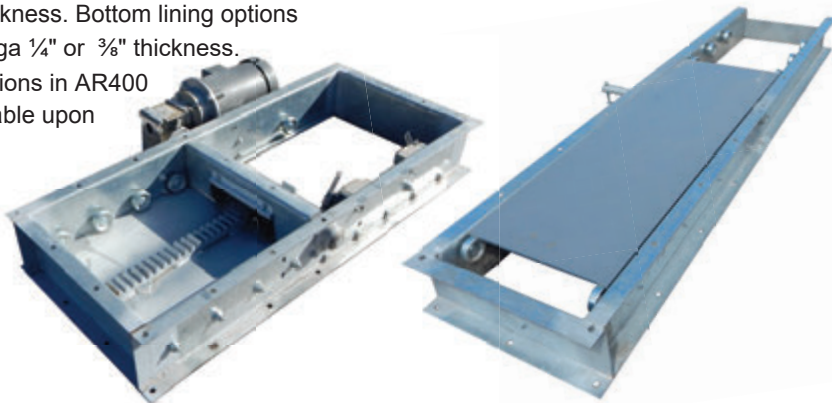
Our materials and engineering make the difference.



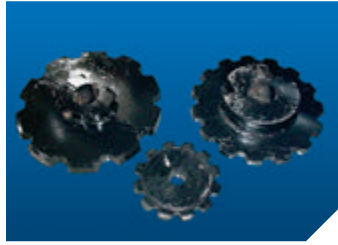
Chief offers three standard chain/sprocket combinations.

- 81x and 81x HD**
 2.61" (66.29mm) steel bushing roller chain comes with self-cleaning open barrel bushings to reduce material build up and prevent freezing. Cast iron sprockets are standard. Cut steel and split sprockets are available.
- WH124**
 4.0" (101.6mm) welded steel chain is induction hardened for long life and is assembled with press fit pins for installation and maintenance. Hardened flame cut split sprockets are standard.
- WH132**
 6.0" (152.40mm) welded steel chain has a high working load for high capacity and long lengths in heavy duty en masse chain conveyors. Hardened flame cut split sprockets are standard.

Conveyor choices include AR lining to extend equipment life span in high use and abrasive environments. Side lining options include AR250 in 10 ga, 7 ga or 1/4" thickness. Bottom lining options include 7ga 1/4" or 3/8" thickness. Other options in AR400 are available upon request.



Manual, electric or pneumatic intermediate and end gates are available for all sizes of conveyors. An explosion proof gate option is available for electric and pneumatic gates installed in hazardous locations.



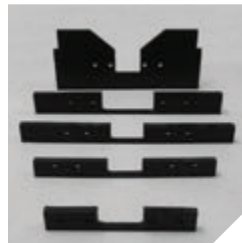
Drive packages are available in Class I, II, or III with drives mounted standard on the left hand side. Optional right hand drives can be specified at the time of order.

Option for direct drive available upon request.

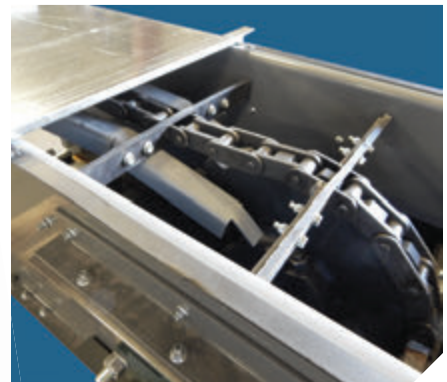
TEFC motors are standard. Explosion proof motors are available for use in enclosed areas or other hazardous locations.

Chief recommends installation of a shock relay to shut down the conveyor and connecting equipment in the event something becomes lodged in the conveyor.

Standard paddles are constructed of UHMW plastic. Depending on application, nylon paddles are available.



Chief's chain/sprocket combinations are manufactured to offer optimum dependability.



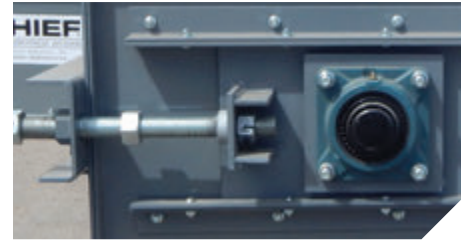
Standard case hardened steel plate or cast sprockets withstand years of rigorous wear which significantly helps prevent costly down time for maintenance.

CHIEF HORIZONTAL CONVEYORS OFFER MAXIMUM FLEXIBILITY

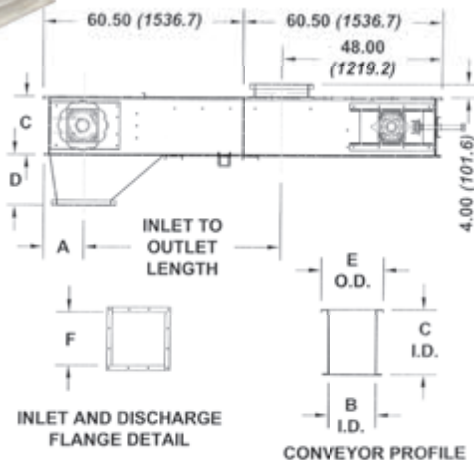


Galvanized for superior corrosion resistance.

Chief horizontal chain conveyors come standard with fully galvanized intermediate sections and can be customized to your application by combining exterior gauging, liners, chain types, sprocket options, paddles and speed requirements. By using components fabricated to exacting specifications, your Chief chain conveyor will be easy to assemble and provide long lasting service.



- Idler return systems are used for smaller conveyors; rail returns are standard on 21" (533.4mm) and wider conveyors. Optional AR lined rails available for high use conveyors.
- For easy maintenance the bolt-on panel removes easily to lift out the shaft, bearings and sprocket as one unit.
- Intermediate seams have bolted connections with staggered bottoms to provide a secure joint without the need for welding. The result is a strong connection with superior corrosion resistance.
- Reversing conveyors are available with carry back cups for full conveyor clean out.
- Standard horizontal conveyors have chain take-up adjustment installed at the tail end unless requested to be installed at the driven end.
- Fixed ends and take-ups are powder coated for conveyors that are taller than 15" (381 mm) standardly.
- Telescoping take-up system uses a simple threaded rod for easy adjustment and secure locking.
- Chief's unique broad-throat opening between the start of the discharge and the sprocket allows for an unobstructed discharge.
- All conveyors are shipped with required covers.



CHIEF HORIZONTAL CHAIN CONVEYORS

PROFILE		A	B	C	D	E	F
Width	Height						
9"	X 9"	12"	8.75"	9.25"	15"	12.75"	8"
(228.6)	X (228.6)	(304.8)	(222.3)	(235.0)	(381.0)	(323.9)	(203.2)
9"	X 13"	12"	8.75"	13.25"	15"	12.75"	10"
(228.6)	X (330.2)	(304.8)	(222.3)	(336.6)	(381.0)	(323.9)	(254.0)
13"	X 13"	12"	12.75"	13.25"	15"	16.75"	12"
(330.2)	X (330.2)	(304.8)	(323.9)	(336.6)	(381.0)	(425.5)	(304.8)
13"	X 15"	12"	12.75"	15.25"	15"	16.75"	12"
(330.2)	X (381.0)	(304.8)	(323.9)	(387.4)	(381.0)	(425.5)	(304.8)
13"	X 17"	12"	12.75"	17.25"	15"	16.75"	12"
(330.2)	X (431.8)	(304.8)	(323.9)	(438.2)	(381.0)	(425.5)	(304.8)
15"	X 17"	12"	14.75"	17.25"	15"	18.75"	16"
(381.0)	X (431.8)	(304.8)	(374.7)	(438.2)	(381.0)	(476.3)	(406.4)
15"	X 21"	12"	14.75"	21.25"	15"	18.75"	16"
(381.0)	X (533.4)	(304.8)	(374.7)	(539.8)	(381.0)	(476.3)	(406.4)
17"	X 17"	12"	16.75"	17.25"	15"	20.75"	16"
(431.8)	X (431.8)	(304.8)	(425.5)	(438.2)	(381.0)	(527.1)	(406.4)
17"	X 21"	12"	16.75"	21.25"	15"	20.75"	16"
(431.8)	X (533.4)	(304.8)	(425.5)	(539.8)	(381.0)	(527.1)	(406.4)
21"	X 21"	12"	20.75"	21.25"	15"	24.75"	20"
(533.4)	X (533.4)	(304.8)	(527.1)	(539.8)	(381.0)	(628.7)	(508.0)
21"	X 27"	12"	20.75"	27.25"	15"	24.75"	20"
(533.4)	X (685.8)	(304.8)	(527.1)	(692.2)	(381.0)	(628.7)	(508.0)
27"	X 21"	16"	26.75"	21.25"	15"	30.75"	20"
(685.8)	X (533.4)	(406.4)	(679.5)	(539.8)	(381.0)	(781.1)	(508.0)
27"	X 27"	16"	26.75"	27.25"	15"	30.75"	24"
(685.8)	X (685.8)	(406.4)	(679.5)	(692.2)	(381.0)	(781.1)	(609.6)
33"	X 27"	28"	32.75"	27.25"	20"	36.75"	30"
(838.2)	X (685.8)	(711.2)	(831.9)	(692.2)	(508.0)	(933.5)	(762.0)
33"	X 33"	28"	32.75"	33.25"	20"	36.75"	30"
(838.2)	X (838.2)	(711.2)	(831.9)	(844.6)	(508.0)	(933.5)	(762.0)

Key Dimensions in inches
Dimensions in (millimeters)

NOTE: Standard Left Hand (LH) projection on conveyors means from the inlet end facing the discharge end the drive arrangement will be on the left hand side.

CHIEF HORIZONTAL CHAIN CONVEYOR CAPACITIES

Model W X H	Chain	Capacity	1 FPM (.005 M/S)	78 FPM (0.40 M/S)	98 FPM (0.50 M/S)	118 FPM (0.60 M/S)	138 FPM (0.70 M/S)	157 FPM (0.80 M/S)	177 FPM (0.90 M/S)
9 X 9	81X	CFH	19	1482	1862	2242	2622	2983	3363
		BPH	13	1181	1496	1785	2074	2363	2678
		MTPH	0.3	31	40	47	55	62	70
9 X 13	81X	CFH	39	3042	3822	4602	5382	6123	6903
		BPH	30	1798	2277	2697	3176	3596	4075
		MTPH	0.8	48	60	70	83	94	107
13 X 13	81X	CFH	56	4368	5488	6608	7728	8792	9912
		BPH	44	2620	3318	3929	4628	5239	5938
		MTPH	1	68	86	102	120	136	154
13 X 15	81X	CFH	40	3120	3920	4720	5520	6280	7080
		BPH	31	3254	4130	4881	5632	6508	7259
		MTPH	1	85	107	127	147	170	189
13 X 17	81X	CFH	115	8970	11270	13570	15870	18055	20355
		BPH	90	3966	4867	5768	6850	7751	8652
		MTPH	2.3	103	127	150	178	202	225
	WH124	CFH	114	8892	11172	13452	15732	17898	20178
		BPH	89	3934	4828	5722	6795	7689	8583
		MTPH	2.3	102	126	149	177	200	223
15 X 17	81X	CFH	133	10374	13034	15694	18354	20881	23541
		BPH	104	4588	5630	6673	7924	8967	10218
		MTPH	3	119	146	173	206	233	265
	WH124	CFH	131	10218	12838	15458	18078	20567	23187
		BPH	103	4551	5585	6620	7861	8895	9930
		MTPH	3	118	145	172	204	231	258
15 X 21	81X	CFH	215	16770	21070	25370	29670	33755	38055
		BPH	169	5753	7445	8799	10152	11844	13198
		MTPH	4	149	193	228	263	307	342
	WH124	CFH	220	17160	21560	25960	30360	34540	38940
		BPH	173	5880	7264	8647	10031	11656	13144
		MTPH	5	153	188	224	260	302	341
17 X 17	81X	CFH	150	11700	14700	17700	20700	23550	26550
		BPH	118	4973	6394	7578	8999	9946	11367
		MTPH	3	129	166	196	233	258	294
	WH124	CFH	149	11622	14602	17582	20562	23393	26373
		BPH	117	4933	6343	7517	8927	8927	11276
		MTPH	3	128	164	195	231	231	292
17 X 21	81X	CFH	244	19032	23912	28792	33672	38308	43188
		BPH	192	6725	8454	9799	11529	13066	14603
		MTPH	5	174	219	254	299	338	378
	WH124	CFH	249	19422	24402	29382	34362	39093	44073
		BPH	196	6677	8641	10016	11784	13355	14926
		MTPH	5	173	224	259	305	346	386
21 X 17	81X	CFH	186	14508	18228	21948	25668	29202	32922
		BPH	147	6160	7921	9387	10854	12614	14051
		MTPH	4	159	205	242	280	326	363
	WH124	CFH	184	14352	18032	21712	25392	28888	32568
		BPH	146	6111	7858	9313	10768	12514	13969
		MTPH	4	158	203	240	278	323	361
21 X 21	81X	CFH	301	23478	29498	35518	41538	47257	53277
		BPH	238	8093	9997	12378	14282	16186	18567
		MTPH	6	209	258	320	369	418	480
	WH124	CFH	308	24024	30184	36344	42504	48356	54516
		BPH	243	8272	10218	12165	14598	16544	18490
		MTPH	6	214	264	314	377	427	477
21 X 27	WH124	CFH	537	41886	52626	63366	74106	84309	95049
		BPH	425	11046	13595	16145	19543	22942	25491
		MTPH	11	285	351	417	505	592	658
	WH132	CFH	530	41340	51940	62540	73140	83140	93810
		BPH	419	10894	14245	16759	19273	21787	24301
		MTPH	10.8	281	368	433	487	563	627
27 X 21	WH124	CFH	396	30888	38808	46728	54648	62172	70092
		BPH	314	10664	13173	15682	18505	21328	23837
		MTPH	8	275	339	404	477	549	614
27 X 27	WH124	CFH	691	53898	67718	81538	95358	108487	122307
		BPH	548	14240	17527	21908	25194	28481	322307
		MTPH	14	367	452	564	649	733	832
	WH132	CFH	681	53118	66738	80358	93978	106917	120537
		BPH	540	14043	17284	21605	24846	28087	31868
		MTPH	14	362	445	556	640	723	821
33 X 27	WH132	CFH	833	64974	81634	98294	114954	130781	147441
		BPH	661	17193	21492	26451	29758	34717	38850
		MTPH	17	442	552	680	765	893	999
33 X 33	WH132	CFH	1322	103116	129556	155996	182436	207554	233994
		BPH	1050	22040	27287	33584	37782	44079	49327
		MTPH	27	567	701	863	971	1133	1268

BPH based on #2 corn @ 56 LBS/BU

MTPH based on 31 LBS/CUBIC FT MATERIAL

NOTE: Standard Left Hand (LH) projection on conveyors means from the inlet end facing the discharge end the drive arrangement will be on the left hand side.
CFH: Cubic Feet/Hour BPH: Bushel/Hour MTPH: Metric Ton/Hour FPM: Feet/Minute M/S: Meters/Second

CHIEF INCLINE CONVEYORS OFFER FLEXIBILITY AND RELIABILITY



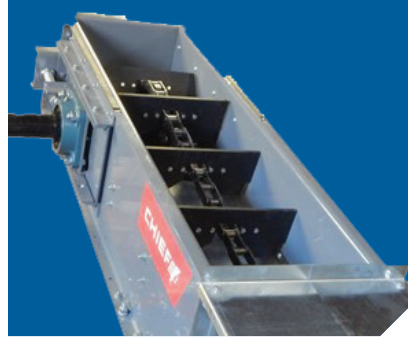
Chief's staff of engineers are dedicated to continually seeking ways to increase the capacity, efficiency and longevity of our material handling systems.

For difficult pit installation problems, Chief horizontal incline conveyors offer the solution.

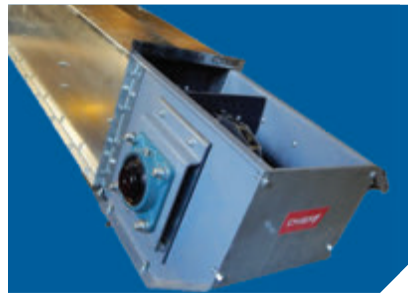


These can be installed in shallow pits or used in above-grade installations with elevated driveways. As with the horizontal chain conveyors, these models offer unparalleled flexibility and dependability.

All Chief incline conveyors come with large profile UHMW paddles, standard fixed center shroud or an optional adjustable center shroud. Dump hoppers are standardly 4' (1.22 m) wide and come in lengths of 2' (0.61 m), 4' (1.22 m), 6' (1.83 m), 8' (2.44 m) and 10' (3.05 m).



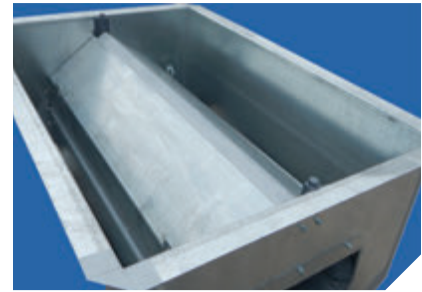
- Large profile UHMW paddles convey material in a center pan divided flow trough. Take-ups are located at the discharge end for easy maintenance.
- Options for virgin UHMW paddles are available



- The tail section features a 45° sloped back panel to eliminate excessive material buildup and clean-out.



- An innovative, optional and adjustable telescoping center shroud controls material flow and can be user-adjusted depending upon grain conditions.



- Conveyors can be ordered with standard length or a shortened space-saving tail end.
- Standard incline conveyors have chain take-up adjustment installed at the driven end unless requested to be installed at the tail end.

CHIEF INCLINE PIT CHAIN CONVEYOR DIMENSIONS (CCPC)

PROFILE		G (choose one)			H	J	K	L	M	R
WIDTH	HEIGHT	CURVED FIXED END	TAKE UP TAIL							
9"	X	9"	18"	60"	60"	36"	8.75"	9.25"	12"	72"
(228.6)	X	(228.6)	(457.2)	(1524.0)	(1524.0)	(914.4)	(222.3)	(235.0)	(304.8)	(1828.8)
9"	X	13"	18"	60"	60"	36"	8.75"	13.25"	12"	72"
(228.6)	X	(330.2)	(457.2)	(1524.0)	(1524.0)	(914.4)	(222.3)	(336.6)	(304.8)	(1828.8)
13"	X	15"	18"	60"	60"	36"	12.75"	15.25"	16"	72"
(330.2)	X	(381.0)	(457.2)	(1524.0)	(1524.0)	(914.4)	(323.9)	(387.4)	(406.4)	(1828.8)
15"	X	17"	21"	60"	60"	36"	14.75"	17.25"	18"	72"
(381.0)	X	(431.8)	(533.4)	(1524.0)	(1524.0)	(914.4)	(374.7)	(438.2)	(457.2)	(1828.8)
15"	X	21"	21"	60"	60"	36"	14.75"	21.25"	18"	72"
(381.0)	X	(533.4)	(533.4)	(1524.0)	(1524.0)	(914.4)	(374.7)	(539.8)	(457.2)	(1828.8)
17"	X	17"	21"	60"	60"	36"	16.75"	17.25"	20"	72"
(431.8)	X	(431.8)	(533.4)	(1524.0)	(1524.0)	(914.4)	(425.5)	(438.2)	(508.0)	(1828.8)
21"	X	21"	21"	60"	60"	36"	20.75"	21.25"	24"	72"
(533.4)	X	(533.4)	(533.4)	(1524.0)	(1524.0)	(914.4)	(527.1)	(539.8)	(609.6)	(1828.8)
21"	X	27"	24"	60"	60"	46"	20.75"	27.25"	24"	72"
(533.4)	X	(685.8)	(609.6)	(1524.0)	(1524.0)	(1168.4)	(527.1)	(692.2)	(609.6)	(1828.8)
27"	X	21"	21"	60"	60"	39"	26.75"	21.25"	30"	72"
(685.8)	X	(533.4)	(533.4)	(1524.0)	(1524.0)	(990.6)	(679.5)	(539.8)	(762.0)	(1828.8)
27"	X	27"	24"	60"	60"	46"	26.75"	27.25"	30"	72"
(685.8)	X	(685.8)	(609.6)	(1524.0)	(1524.0)	(1168.4)	(679.5)	(692.2)	(762.0)	(1828.8)
33"	X	33"	36"	60"	60"	50"	32.75"	33.25"	36"	72"
(838.2)	X	(838.2)	(914.4)	(1524.0)	(1524.0)	(1270.0)	(831.9)	(844.6)	(914.4)	(1828.8)

Key Dimensions in inches
Dimensions in (millimeters)

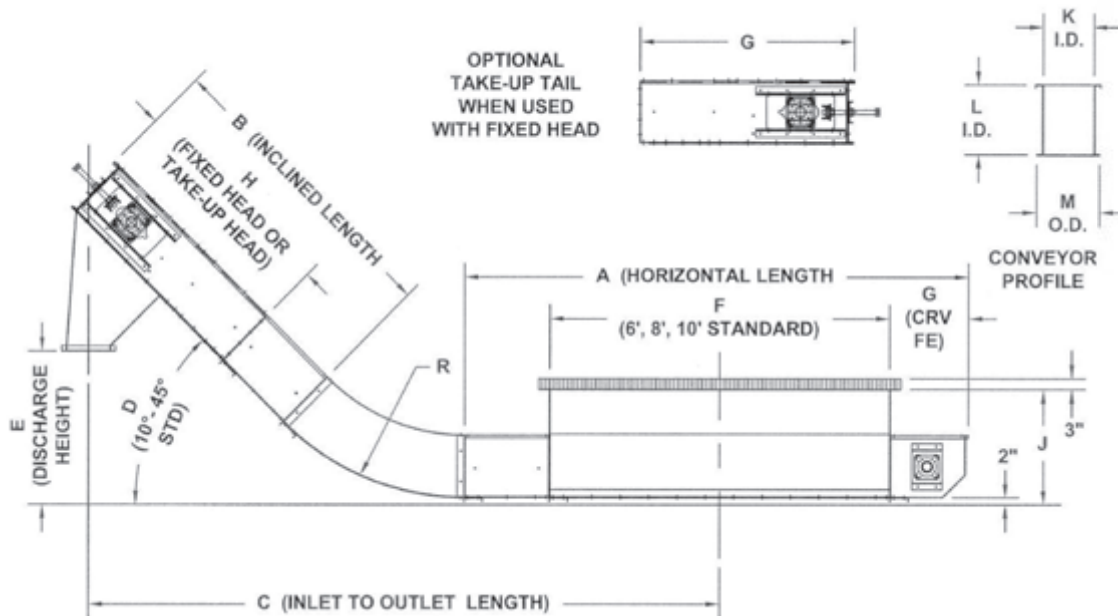
CHIEF INCLINE PIT CHAIN CONVEYOR CAPACITIES

Model W X H	Chain	Capacity	1 FPM (.005 M/S)	78 FPM (0.40 M/S)	98 FPM (0.50 M/S)	118 FPM (0.60 M/S)	138 FPM (0.70 M/S)	157 FPM (0.80 M/S)	177 FPM (0.90 M/S)
9 X 9	81X	CFH	10.73	844	1055	1266	1477	1688	1899
		BPH	6	675	844	1013	1182	1350	1519
		MTPH	0	17.2	22	26	30	34	39
9 X 13	81X	CFH	15.62	1220	1545	1830	2115	2440	2765
		BPH	16	976	1236	1464	1692	1952	2212
		MTPH	0	25	32	37	43	50	56
13 X 15	81X	CFH	24.68	1941	2426	2912	3397	3882	4368
		BPH	30	1553	1941	2329	2718	3106	3494
		MTPH	1	40	50	60	70	79	89
15 X 17	81X	CFH	38.28	3012	3765	4517	5270	6023	6776
		BPH	46	2409	3012	3614	4216	4819	5421
		MTPH	1	62	77	92	108	123	138
15 X 21	81X	CFH	47.30	3721	4651	5581	6511	7442	8372
		BPH	57	2977	3721	4465	5209	5953	6697
		MTPH	2	76	95	114	133	152	171
	WH124	CFH	46.62	3667	4584	5571	6418	7334	8251
		BPH	58	2934	3667	4457	5134	5868	6601
		MTPH	1	75	94	114	131	150	168
17 X 17	81X	CFH	43.47	3420	4275	5130	5985	6840	7695
		BPH	53	2736	3420	4104	4788	5472	6156
		MTPH	1	70	87	105	122	140	157
21 X 21	81X	CFH	66.54	5234	6543	7851	9160	10469	11777
		BPH	81	4187	5234	6281	7328	8375	9422
		MTPH	2	107	134	160	187	214	240
	WH124	CFH	65.58	5159	6449	7738	9028	10417	11608
		BPH	79	4127	5159	6191	7223	8334	9286
		MTPH	2	105	132	158	184	213	237
27 X 21	81X	CFH	85.78	6748	8435	10122	11809	13496	15183
		BPH	104	5398	6748	8097	9447	10797	12146
		MTPH	3	138	172	207	241	275	310
	WH124	CFH	85.27	6651	8313	10104	11767	13429	15092
		BPH	102	5321	6651	8083	9413	10743	12704
		MTPH	3	136	170	206	240	274	308
27 X 27	WH124	CFH	97.75	8754	10814	13131	15191	17353	17302
		BPH	206	7003	8651	10505	12153	13883	13842
		MTPH	5	179	221	268	310	354	353
	WH132	CFH	110.95	8623	10793	13073	15243	17413	19638
		BPH	223	6898	8634	10459	12194	13930	15710
		MTPH	6	176	220	267	311	355	401
33 X 33	WH132	CFH	159.17	12476	15616	18755	21894	25033	28173
		BPH	322	9981	12493	15004	17515	20027	22538
		MTPH	8.2	255	319	383	447	511	575

BPH based on #2 corn @ 56 LBS/BU

MTPH based on 45 LBS/CUBIC FT MATERIAL

NOTE: Standard Left Hand (LH) projection on conveyors means from the inlet end facing the discharge end the drive arrangement will be on the left hand side.
CFH: Cubic Feet/Hour BPH: Bushel/Hour MTPH: Metric Ton/Hour FPM: Feet/Minute M/S: Meters/Second



When requesting quotation, provide dimensions for areas A through F pictured above.

Complete Systems for all your Grain Conditioning, Material Handling, Drying and Storage Needs

Chief Agri offers a comprehensive selection of aeration systems, grain dryers, conveyors, elevators, and catwalks and towers. Our full line of grain management products can complete your grain storage system, helping to minimize storage costs and maximize your profits. Our products are made to meet or exceed industry standards, using heavy-duty materials and efficient designs to provide dependable service for years to come.

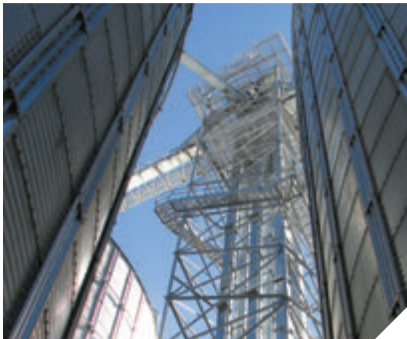
Material Handling Systems



Grain Dryers



Catwalk and Tower Systems



Lemanco Bulk Storage Systems



Caldwell Aeration Systems



Chief Agri is a division of Chief Industries, Inc. Established in 1954, Chief Industries, Inc. is a diversified organization providing a balanced range of products and services through its many divisions and subsidiaries.



Worldwide support

Taking care of our customers is a top priority at Chief Agri. We engineer lasting relationships by offering dependable service and products built to last. But don't just take our word for it! Here's what a few of our many satisfied customers have to say:

“We have been very pleased with the quality of Chief's product performance. Chief's excellent customer service and prompt response time have been key factors in why we continually do business with them.”

» **John Coleman**
Express Grain Terminal, LLC

“The service and support we have received from Chief Agri has been excellent! We also appreciate the standard G-115 galvanization on their products. This would have cost extra from other bin manufacturers I know.”

» **Don H. Easterwood**
Easterwood Storage Systems, LLC

“Chief products have exceeded our expectations and our Chief representative did an exceptional job of helping put together a system to fit our needs. That's why we've been return customers since first doing business with them in 2001.”

» **Kevin Stoy**
Stoy Farms

CHIEF

AGRI

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