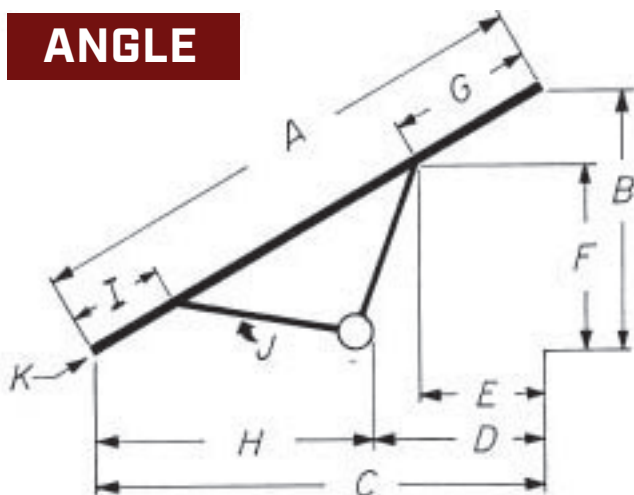


HAY BALE-ELEVATOR SYSTEMS

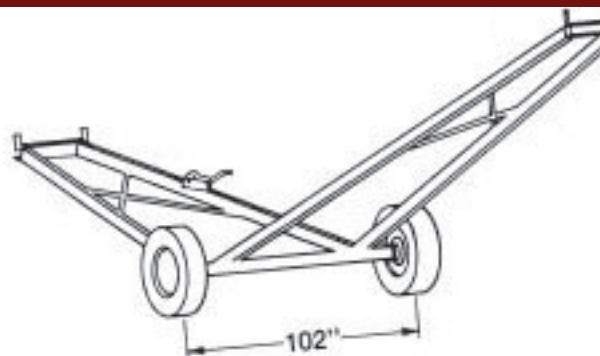


Elevator Length Guide With Transport

ANGLE



TRANSPORT AXLE WIDTH



(From center of tire to center of tire - outside width will vary depending on tire width) Safety cable removed for display purposes only.

Maximum Angle Of Elevation For Various Bale Lengths

Bale Length	Maximum Elevation Angle
20"	30°
24"	35°
30"	40°
36"	45°

NOTE: Measure 'B' dimension of your application. Match to chart below to determine related 'A' and 'C' dimensions, elevator angle, etc...



Legend For Charts Below

A — Elevator Length

B — Discharge Height

C — Reach

D — Wheel to Wall

E — Eave Clearance

F — Free Clearance

G — Elevator Overhang

H — Wheel To Elevator End

I — Elevator End To Transport Mount

J — Leg

K — Weight At Hitch, Including Motor & Bale Chute

A	B	C	D	E	F	G	H	I	J	K
TOWING ANGLE — Model HST - 10T Transport										
20'	7' 7"	18' 11"	6' 10"	0' 10"	6' 3"	1' 5"	12' 1"	2' 7"	9' 0"	161 lbs.
24'	9' 1"	22' 8"	10' 7"	4' 7"	6' 3"	5' 4"	12' 1"	2' 7"	9' 0"	124 lbs.
28'	10' 4"	26' 6"	14' 5"	8' 5"	6' 3"	9' 5"	12' 1"	2' 7"	9' 0"	81 lbs.
30'	10' 5"	28' 6"	15' 6"	9' 4"	6' 3"	10' 7"	13' 0"	3' 6"	9' 0"	70 lbs.
32'	10' 4"	30' 7"	16' 11"	10' 9"	6' 1"	11' 9"	13' 9"	4' 3"	9' 0"	71 lbs.
TOWING ANGLE — Model HST - 20T Transport										
36'	10' 3"	34' 11"	16' 6"	2' 7"	8' 1"	4' 10"	18' 5"	2' 7"	15' 0"	140 lbs.
40'	10' 10"	38' 10"	19' 8"	6' 3"	8' 1"	8' 3"	19' 2"	3' 4"	15' 0"	116 lbs.
42'	11' 3"	40' 9"	21' 4"	8' 11"	7' 11"	9' 9"	19' 5"	3' 7"	15' 0"	97 lbs.
44'	11' 2"	42' 10"	22' 5"	9' 10"	7' 8"	11' 0"	20' 6"	4' 8"	15' 0"	98 lbs.
48'	11' 2"	47' 1"	24' 11"	12' 1"	6' 10"	13' 0"	22' 3"	6' 5"	15' 0"	85 lbs.
TOWING ANGLE — Model HST - 40T Transport										
54'	11' 1"	53' 2"	26' 2"	8' 2"	7' 11"	9' 0"	27' 0"	6' 0"	20' 0"	135 lbs.
60'	11' 7"	59' 1"	31' 1"	13' 1"	8' 1"	14' 3"	28' 0"	7' 0"	20' 0"	81 lbs.

A	B	C	D	E	F	G	H	I	J	K
30° ANGLE — Model HST - 10T Transport										
20'	10' 0"	17' 4"	5' 5"	2' 2"	8' 9"	2' 6"	11' 11"	2' 7"	9' 0"	184 lbs.
24'	12' 0"	20' 9"	8' 11"	5' 8"	8' 9"	6' 6"	11' 11"	2' 7"	9' 0"	158 lbs.
28'	14' 0"	24' 3"	12' 4"	9' 2"	8' 9"	10' 6"	11' 11"	2' 7"	9' 0"	120 lbs.
30'	15' 0"	26' 0"	13' 4"	10' 6"	8' 11"	12' 1"	12' 8"	3' 6"	9' 0"	115 lbs.
32'	16' 0"	27' 9"	14' 5"	11' 11"	9' 1"	13' 10"	13' 3"	4' 3"	9' 0"	112 lbs.
30° ANGLE — Model HST - 20T Transport										
36'	18' 0"	31' 2"	13' 0"	6' 7"	14' 3"	7' 7"	18' 2"	2' 7"	15' 0"	205 lbs.
40'	20' 0"	34' 8"	15' 10"	9' 8"	14' 5"	11' 2"	18' 9"	3' 4"	15' 0"	178 lbs.
42'	21' 0"	36' 4"	17' 4"	11' 4"	14' 6"	13' 1"	19' 0"	3' 7"	15' 0"	170 lbs.
44'	22' 0"	38' 1"	18' 3"	12' 8"	14' 8"	14' 7"	19' 11"	4' 8"	15' 0"	167 lbs.
48'	24' 0"	41' 7"	20' 3"	15' 6"	15' 1"	17' 10"	21' 4"	6' 5"	15' 0"	160 lbs.
30° ANGLE — Model HST - 40T Transport										
54'	27' 0"	46' 9"	20' 7"	12' 11"	19' 7"	14' 11"	26' 2"	6' 0"	20' 0"	225 lbs.
60'	30' 0"	52' 0"	25' 0"	17' 10"	19' 8"	20' 8"	27' 0"	7' 0"	20' 0"	190 lbs.

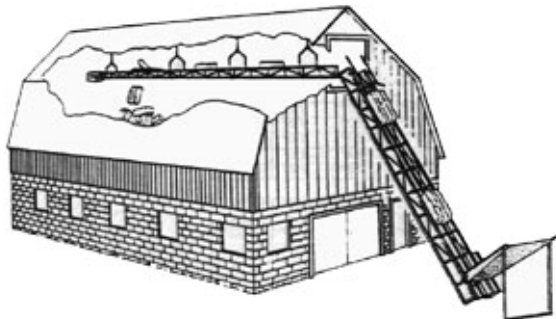
A	B	C	D	E	F	G	H	I	J	K
35° ANGLE — Model HST - 10T Transport										
20'	11' 6"	16' 5"	4' 7"	3' 0"	9' 5"	3' 7"	11' 9"	2' 7"	9' 0"	199 lbs.
24'	13' 9"	19' 8"	7' 11"	6' 3"	9' 5"	7' 7"	11' 9"	2' 7"	9' 0"	180 lbs.
28'	16' 1"	22' 11"	11' 2"	9' 6"	9' 5"	11' 7"	11' 9"	2' 7"	9' 0"	141 lbs.
30'	17' 3"	24' 7"	12' 1"	10' 11"	9' 7"	13' 4"	12' 6"	3' 6"	9' 0"	137 lbs.
32'	18' 4"	26' 3"	13' 2"	12' 5"	9' 8"	15' 2"	13' 0"	4' 3"	9' 0"	132 lbs.
35° ANGLE — Model HST - 20T Transport										
36'	20' 8"	29' 6"	11' 6"	7' 7"	15' 4"	9' 3"	18' 0"	2' 7"	15' 0"	240 lbs.
40'	22' 11"	32' 9"	14' 2"	10' 8"	15' 6"	13' 0"	18' 7"	3' 4"	15' 0"	215 lbs.
42'	24' 1"	34' 5"	15' 7"	12' 3"	15' 6"	14' 11"	18' 10"	3' 7"	15' 0"	208 lbs.
44'	25' 3"	36' 0"	16' 5"	13' 7"	15' 9"	16' 7"	19' 8"	4' 8"	15' 0"	200 lbs.
48'	27' 6"	39' 4"	18' 4"	16' 7"	15' 11"	20' 3"	20' 11"	6' 5"	15' 0"	188 lbs.
35° ANGLE — Model HST - 40T Transport										
54'	31' 0"	44' 3"	18' 4"	14' 6"	20' 9"	17' 9"	25' 10"	6' 0"	20' 0"	272 lbs.
60'	34' 5"	49' 2"	22' 7"	19' 4"	20' 11"	23' 7"	26' 7"	7' 0"	20' 0"	230 lbs.

A	B	C	D	E	F	G	H	I	J	K
40° ANGLE — Model HST - 10T Transport										
20'	12' 10"	15' 4"	3' 8"	3' 8"	9' 9"	4' 10"	11' 8"	2' 7"	9' 0"	216 lbs.
24'	15' 5"	18' 5"	6' 9"	6' 9"	9' 9"	8' 10"	11' 8"	2' 7"	9' 0"	200 lbs.
28'	18' 0"	21' 5"	9' 10"	9' 10"	9' 9"	12' 10"	11' 8"	2' 7"	9' 0"	162 lbs.
30'	19' 3"	23' 0"	10' 9"	11' 3"	9' 10"	14' 9"	12' 3"	3' 6"	9' 0"	160 lbs.
32'	20' 7"	24' 6"	11' 9"	13' 0"	10' 9"	16' 11"	12' 9"	4' 3"	9' 0"	154 lbs.
40° ANGLE — Model HST - 20T Transport										
36'	23' 2"	27' 7"	9' 8"	8' 6"	16' 0"	11' 1"	17' 11"	2' 7"	15' 0"	261 lbs.
40'	25' 9"	30' 8"	12' 3"	11' 6"	16' 1"	15' 0"	18' 5"	3' 4"	15' 0"	248 lbs.
42'	27' 0"	32' 2"	13' 7"	13' 0"	16' 1"	17' 0"	18' 7"	3' 7"	15' 0"	240 lbs.
44'	28' 3"	33' 9"	14' 4"	14' 6"	16' 2"	18' 11"	19' 4"	4' 8"	15' 0"	235 lbs.
48'	30' 10"	36' 9"	16' 3"	17' 11"	17' 3"	23' 4"	20' 6"	6' 5"	15' 0"	226 lbs.
40° ANGLE — Model HST - 40T Transport										
54'	34' 9"	41' 4"	15' 10"	16' 0"	21' 4"	20' 10"	25' 6"	6' 0"	20' 0"	312 lbs.
60'	38' 7"	46' 0"	19' 10"	20' 7"	21' 4"	26' 10"	26' 2"	7' 0"	20' 0"	270 lbs.

A	B	C	D	E	F	G	H	I	J	K
45° ANGLE — Model HST - 10T Transport										
20'	14' 2"	14' 2"	2' 8"	4' 6"	11' 5"	6' 5"	11' 5"	2' 7"	9' 0"	239 lbs.
24'	17' 0"	17' 0"	5' 6"	7' 4"	11' 5"	10' 5"	11' 5"	2' 7"	9' 0"	228 lbs.
28'	19' 10"	19' 10"	8' 4"	10' 2"	11' 5"	14' 5"	11' 5"	2' 7"	9' 0"	197 lbs.
30'	21' 3"	21' 3"	9' 2"	11' 7"	12' 0"	16' 4"	12' 0"	3' 6"	9' 0"	181 lbs.
32'	22' 8"	22' 8"	10' 2"	13' 2"	12' 6"	18' 8"	12' 6"	4' 3"	9' 0"	173 lbs.
45° ANGLE — Model HST - 20T Transport										
36'	25' 6"	25' 6"	7' 9"	9' 7"	17' 9"	13' 7"	17' 9"	2' 7"	15' 0"	300 lbs.
40'	28' 3"	28' 3"	10' 1"	12' 5"	18' 3"	17' 7"	18' 3"	3' 4"	15' 0"	287 lbs.
42'	29' 8"	29' 8"	11' 4"	13' 10"	18' 5"	19' 7"	18' 5"	3' 7"	15' 0"	280 lbs.
44'	31' 1"	31' 1"	12' 1"	15' 5"	19' 1"	21' 9"	19' 1"	4' 8"	15' 0"	277 lbs.
48'	33' 11"	33' 11"	13' 11"	18' 6"	20' 1"	26' 2"	20' 1"	6' 5"	15' 0"	270 lbs.
45° ANGLE — Model HST - 40T Transport										
54'	38' 2"	38' 2"	13' 1"	17' 5"	25' 1"	25' 7"	25' 1"	6' 0"	20' 0"	352 lbs.
60'	42' 5"	42' 5"	16' 9"	21' 9"	25' 8"	30' 9"	25' 8"	7' 0"	20' 0"	323 lbs.

HAY BALE-ELEVATOR SYSTEMS

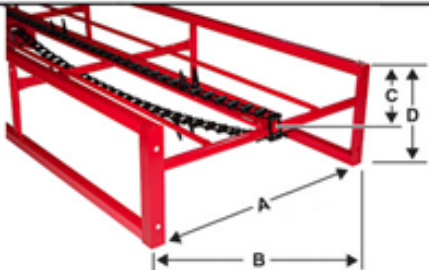
Elevator Length Guide Without Transport



Hayrite's stronger construction and superior engineering gives you smoother, more efficient, trouble-free operation...all at a lower initial investment! Easier to handle, interchangeable sections and a fuller line of accessories make it simple to tailor-make a versatile, yet inexpensive bale handling system. You can elevate bales from your wagon or truck up into your barn - convey and stack bales in the mow - and load or unload your truck. For further savings, you can even use your existing

general-purpose elevator with a Hayrite mow conveyor to convey and store bales in the mow. You won't find a better value than Hayrite for fast, easy, dependable, one-man bale handling.

Specifications



Model Description	Dimensions			
	A	B	C	D
Extra Heavy-Duty	21-1/4"	23-3/4"	5-7/16"	12"
Standard	21"	23-1/2"	3"	9-1/2"

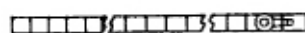
Maximum Angle - Various Bale Lengths

Bale Length	Maximum Angle
20"	30°
24"	35°
30"	40°
36"	45°

Horsepower Requirements

Bales should be "pulled toward" electric-motor drive end. However, if elevator is mounted on a transport, drive end must remain on ground and "push bales".

Horizontal Conveyor



1/2 HP	16' – 28'
3/4 HP	30' – 44'
1 HP	48' – 60'
1-1/2 HP	64' – 90'
2 HP	96' – 120'

Incline Elevator



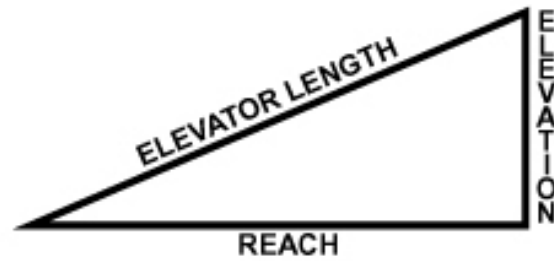
1/2 HP	16' – 24'
3/4 HP	28' – 40'
1 HP	42' – 44'
1-1/2 HP	48' – 60'

Use 2.8" O.D. Type A motor pulley on horizontal conveyor and incline elevator.

Use a farm-rated, totally enclosed, fan-cooled motor (with a manual-reset overload protector), rated between 1725 to 1800 RPM.

NOTE: The above chart is only a guide — the size, shape and weight of your bales; angle of elevator; and desired speed may affect your installation. Remember, bales are more effectively pulled than pushed. Less horsepower is required when pulled!

Elevator Length Guide



Elevator Length	Reach	Elevation	Elevator Length	Reach	Elevation
30° ANGLE			35° ANGLE		
16'	13'9"	8'0"	16'	13'0"	9'0"
18'	15'6"	9'0"	18'	14'9"	10'3"
20'	17'3"	10'0"	20'	16'6"	11'6"
24'	20'9"	12'0"	24'	19'9"	13'9"
28'	24'3"	14'0"	28'	23'0"	16'0"
30'	26'0"	15'0"	30'	24'6"	17'3"
32'	27'9"	16'0"	32'	26'3"	18'3"
36'	31'3"	18'0"	36'	29'6"	20'9"
40'	34'9"	20'0"	40'	32'9"	23'0"
42'	36'3"	21'0"	42'	34'6"	24'0"
44'	38'0"	22'0"	44'	36'0"	25'3"
48'	41'6"	24'0"	48'	39'3"	27'6"
52'	45'0"	26'0"	52'	42'6"	29'9"
54'	46'9"	27'0"	54'	44'3"	31'0"
56'	48'6"	28'0"	56'	45'9"	32'0"
60'	52'0"	30'0"	60'	49'3"	34'6"
40° ANGLE			45° ANGLE		
16'	12'3"	10'3"	16'	11'3"	11'3"
18'	13'9"	11'6"	18'	12'9"	12'9"
20'	15'3"	12'9"	20'	14'3"	14'3"
24'	18'6"	15'6"	24'	17'0"	17'0"
28'	21'6"	18'0"	28'	19'9"	19'9"
30'	23'0"	19'3"	30'	21'3"	21'3"
32'	24'6"	20'6"	32'	22'9"	22'9"
36'	27'6"	23'3"	36'	25'6"	25'6"
40'	30'9"	25'9"	40'	28'3"	28'3"
42'	32'3"	27'0"	42'	29'9"	29'9"
44'	33'9"	28'3"	44'	31'0"	31'0"
48'	36'9"	30'9"	48'	34'0"	34'0"
52'	39'9"	33'6"	52'	36'9"	36'9"
54'	41'3"	34'9"	54'	38'3"	38'3"
56'	43'0"	36'0"	56'	39'6"	39'6"
60'	46'0"	38'6"	60'	42'6"	42'6"