

MERIDIAN

SEED STORAGE & HANDLING

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 **CANADA'S
BEST
MANAGED
COMPANIES**
Platinum member

MERIDIAN

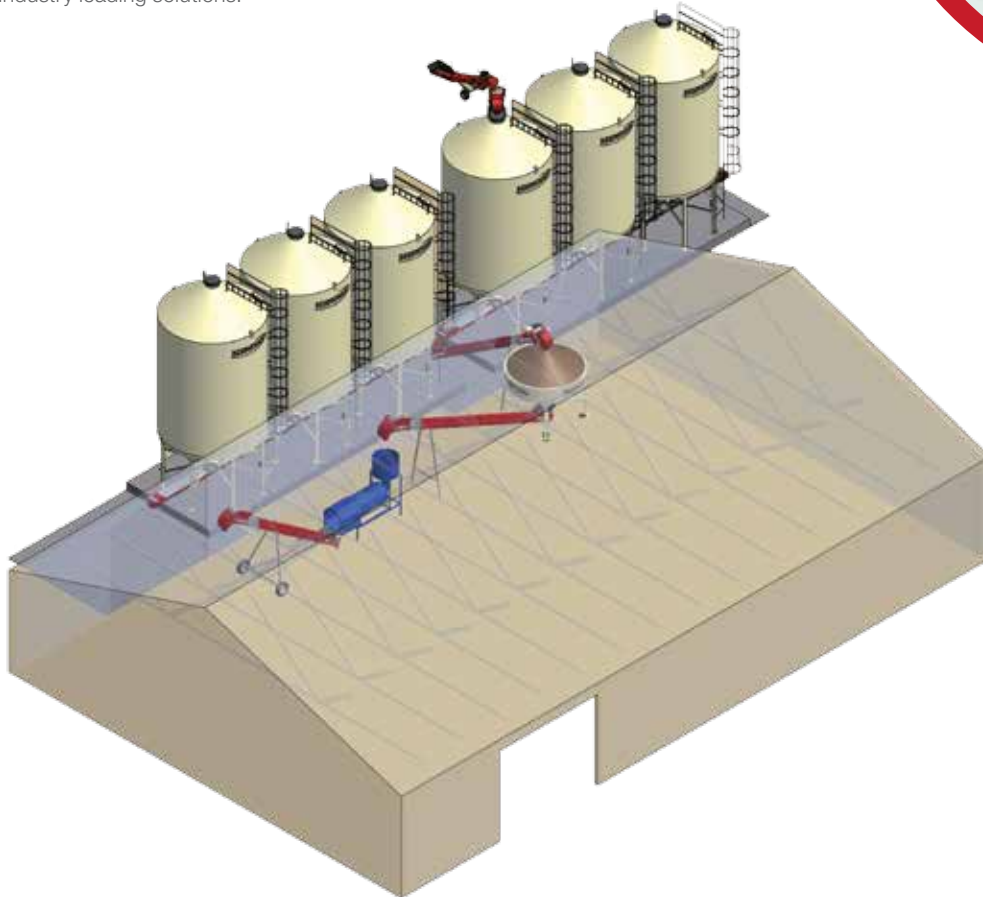


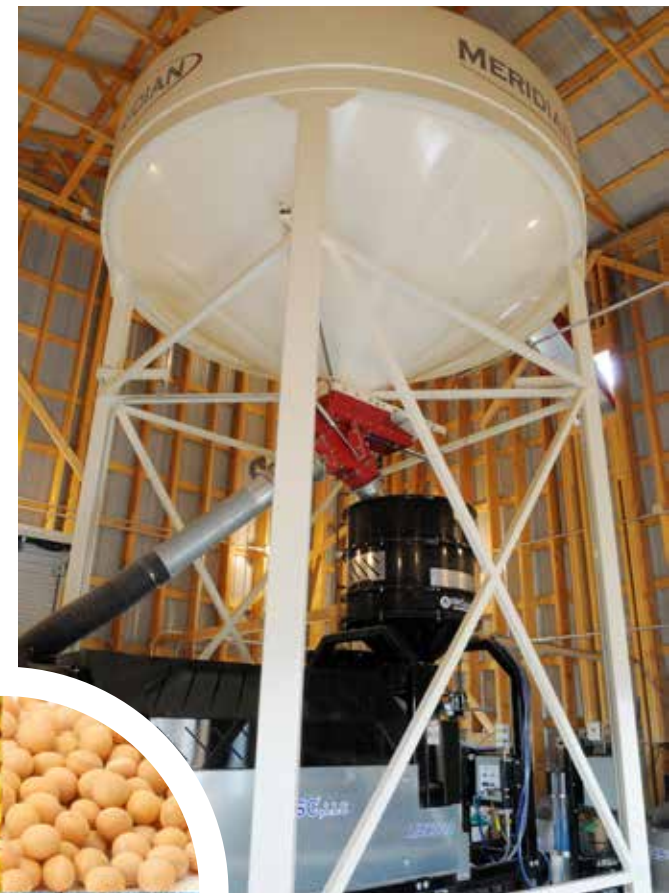
Meridian sets the standard of excellence in the storage and handling industry. We continuously incorporate the latest technological innovations to meet our customers' ever-changing needs. Meticulous attention to quality and detail reflect the attitude and dedication of our highly skilled craftsmen, lending confidence to each Meridian customer of a superior and dependable product. Meridian's best references are the thousands of farmers and commercial customers who have experienced the quality and value of the Meridian family of products.

MERIDIAN®

Your vision. Make it happen with Meridian.

Seed site clients demand an effective integration of seed storage and handling equipment. Meridian can help. With our custom design and engineering experts, along with a wide portfolio of bins and seed handling equipment, Meridian can work with you to deliver industry leading solutions.





Seed is Unique

Meridian understands the importance of providing our customers with reliable seed storage and handling solutions. The design and quality of your facility directly impacts seed profitability and Meridian is here to help ensure your every possible need is addressed.

INTEGRATED SEED SITE SOLUTIONS



Seed Storage



Seed Handling



Custom Site Design



SEED STORAGE



BEST CHOICE FOR SEED.

As the leading SmoothWall hopper bin manufacturer in North America, Meridian delivers a superior product and experience. Our storage solutions are of the highest quality, dependable and proven to maintain the integrity of valuable seed products. Meridian SmoothWall bins feature a premium powder coat for long lasting durability and are available in various diameters and heights, ensuring the right size to fit your seed storage needs.

STANDARD FEATURES

- ▶ Internal seed ladder
- ▶ Cone manway
- ▶ Access ladder
- ▶ 27" vented remote lid
- ▶ Roof manhole
- ▶ Three view glasses
- ▶ Rack & pinion slidegate with adjustable band clamp
- ▶ 36" clearance
- ▶ Welded seam construction
- ▶ Powder coat exterior
- ▶ Probe hole—for seed sampling
- ▶ 40 degree cone bottom.

OPTIONAL FEATURES

- ▶ Electric rack & pinion slide gate
- ▶ Ladder cage packages
- ▶ Skids
- ▶ Aeration
- ▶ Air gate transitions



SEED HANDLING

DELIVERING SEED WITH UNMATCHED VERSATILITY



TRANSPORT CONVEYOR

Our transport conveyors are manufactured with heavy-duty, fully enclosed construction and are offered in 5' length increments, starting at 20', to suit your length requirements. Meridian's Cross Cleated Belt is designed to handle your product more gently and virtually eliminates cleat "vacuum" at discharge end. Our spring loaded stainless steel tension system positioned before the discharge keeps the cross cleated belt running smooth and in place.



FLOOR MOUNT CONVEYOR

Each seed site is different and often there are space constraints that can make it hard to position a floor mount conveyor. Meridian floor mount conveyors overcome this by design: our heavy duty structural frame is built right into the conveyor so you can mount the telescoping floor mount frames anywhere on the tube section and place where it's convenient. Our floor mount conveyors use a similar configuration to our transport conveyors so you get the same options and great performance.



UNDER BIN CONVEYOR

Meridian quality is in the details and our under bin conveyor is no different. Our 18" underbin conveyor features a rod style trough design which reduces contamination risks, eliminates belt freezing and reduces friction. Our under bins are the most robust in the seed site industry and the only ones to include a quick release bottom panel for easy clean out and inspection.



BIN FILL CONVEYOR

With two different belting options available and drive options that include PTO, hydraulic, electric and gas/diesel belt drives, Meridian has a wide variety of bin fill conveyors available to suit the need of any seed operation.



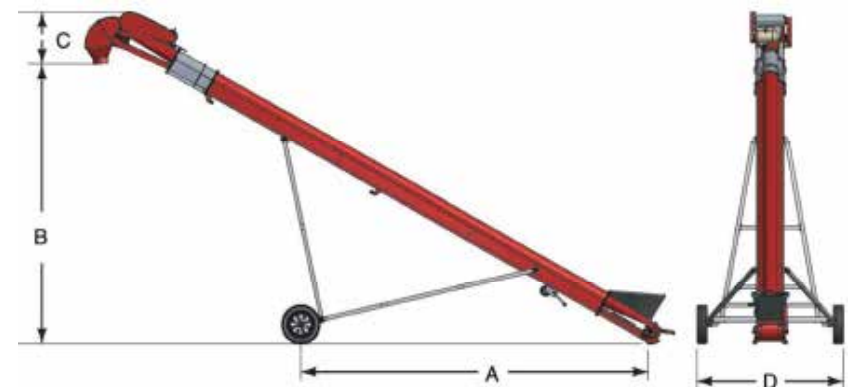
TRANSPORT CONVEYOR.

These electric drive cleated belt transport conveyors are available in lengths from 20-45ft (center to center of roller). The conveyors feature a 10" heavy duty, fully enclosed tube with a 16" cross-cleated belt. The inline tension system and easy clean-out bottom make this conveyor easy to maintain.

GREAT FEATURES. GREAT QUALITY

- ▶ Meridian 2-ply 16" rubber cleated belt
- ▶ Spring loaded tension system
- ▶ 400 feet per minute belt speed

Model	Dimension	Minimum		Maximum	
		Inches	Centimeters	Inches	Centimeters
20' AF-E-20	A	121	309	126	321
	B	118	299	146	372
	C	152	387	177	451
	D	101 (257)			
25' AF-E-25	A	175	445	179	455
	B	113	288	169	431
	C	149	380	202	514
	D	101 (257)			
30' AF-E-30	A	187	475	201	511
	B	91	232	204	518
	C	131	332	236	601
	D	101 (257)			
35' AF-E-35	A	227	577	253	642
	B	108	276	256	650
	C	148	376	287	730
	D	101 (257)			
40' AF-E-40	A	239	607	272	692
	B	96	245	296	753
	C	136	346	327	831
	D	101 (257)			
45' AF-E-45	A	268	682	300	763
	B	125	318	335	852
	C	165	419	366	931
	D	101 (257)			





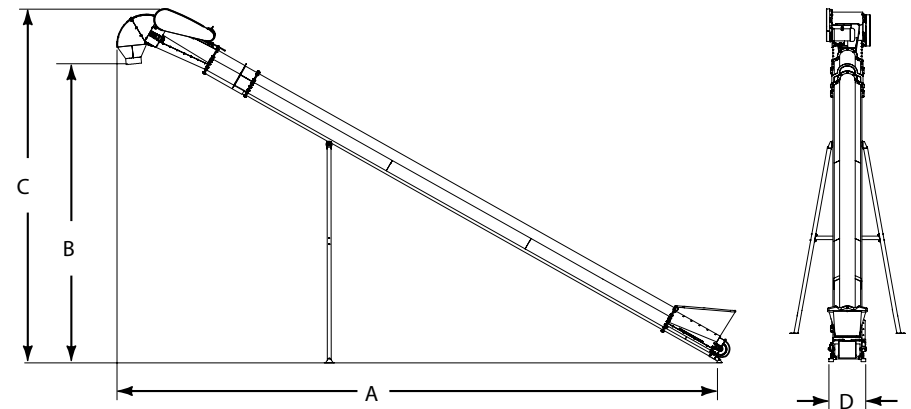
Model	Dimension	Minimum	Maximum
20' AF-E-20	A	at 45° = 204"	at 0° = 268"
	B	at 0° = 0°	at 45° = 163"
	C	at 45° = 30"	at 0° = 47"
	D	23.5"	
25' AF-E-25	A	at 45° = 245"	at 0° = 328"
	B	at 0° = 0°	at 45° = 205"
	C	at 45° = 30"	at 0° = 47"
	D	23.5"	
30' AF-E-30	A	at 45° = 288"	at 0° = 388"
	B	at 0° = 0°	at 45° = 247"
	C	at 45° = 30"	at 0° = 47"
	D	23.5"	
35' AF-E-35	A	at 45° = 331"	at 0° = 448"
	B	at 0° = 0°	at 45° = 290"
	C	at 45° = 30"	at 0° = 47"
	D	23.5"	
40' AF-E-40	A	at 45° = 374"	at 0° = 508"
	B	at 0° = 0°	at 45° = 332"
	C	at 45° = 30"	at 0° = 47"
	D	23.5"	
45' AF-E-45	A	at 45° = 416"	at 0° = 568"
	B	at 0° = 0°	at 45° = 374"
	C	at 45° = 30"	at 0° = 47"
	D	23.5"	

FLOOR MOUNT CONVEYOR.

These electric drive cleated belt floor mount conveyors are available in lengths from 20-45ft (center or roller to center of roller). The conveyors feature a 10" heavy duty, fully enclosed tube with a 16" cross-cleated belt. Optional features include a variety of hopper sizes, anti-splash covers, Y & K valves and fixed underbin to incline transitions.

GREAT FEATURES. GREAT QUALITY

- Easy clean out bottom
- Inline tension system
- Multiple hopper size options
- Floor mount legs can be mounted anywhere on the tube section





UNDER BIN CONVEYOR.

Our underbin conveyor is available with three drive systems - Single End Drive, Dual End Drive, and S-Drive. These options give the site flexibility based on conveyor length and capacity requirements. Middle sections are available in 8.5, 7.25, 4 and 2 foot lengths to specifically meet the individual needs for each site. Conveniences of a standard reversing kit, removable bottom pans and the rod-style trough make this a versatile conveyor able to convey a variety of different products.

GREAT FEATURES. GREAT QUALITY

- ▶ Mounts directly to the bins
- ▶ Optional air gates for automated systems
- ▶ Easy access for complete clean out
- ▶ 18" chevron belt
- ▶ Reversible kit comes standard on all conveyors



GREAT FEATURES. GREAT QUALITY.

- Single End Drive (up to 90ft)
- Dual End Drive (up to 145ft)
- S-Drive (up to 200ft)
- Rod style trough design eliminates belt freezing, reduces friction and offers complete clean-out
- Removable bottom pans simplify maintenance and clean-out

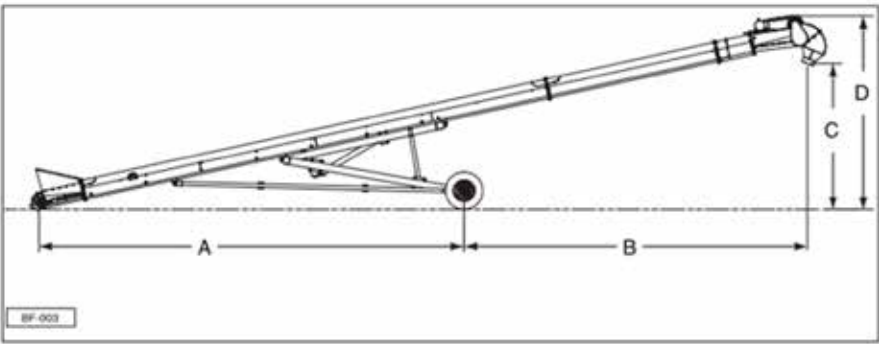


CLEATED BELT FILL CONVEYOR.

These electric drive cleated belt conveyors are available in lengths from 55-75ft (center of roller to center of roller). The conveyors feature a 10" heavy duty, fully enclosed tube with a 16" cross-cleated belt. These conveyors can be raised/lowered easily with a hydraulic powered scissor-lift design. Meridian stand-alone undercar conveyors are used alongside these bin fill conveyors to gently and efficiently unload seed.

GREAT FEATURES. GREAT QUALITY

- ▶ Meridian 2-ply 16" rubber cross cleated belt system
- ▶ Spring loaded stainless steel tension system
- ▶ 400 feet per minute belt spread



Model	Dimension	Minimum		Maximum	
		Inches	Centimeters	Inches	Centimeters
55' SL-E(H)-55	A	320	813	361	917
	B	158	401	292	742
	C	126	320	461	1171
	D	164	417	490	1245
65' SL-E(H)-65	A	404	1026	495	1257
	B	317	805	400	1016
	C	129	327	553	1405
	D	168	427	524	1331
75' SL-E(H)-75	A	359	912	405	1029
	B	255	648	367	932
	C	128	325	494	1255
	D	168	427	584	1483

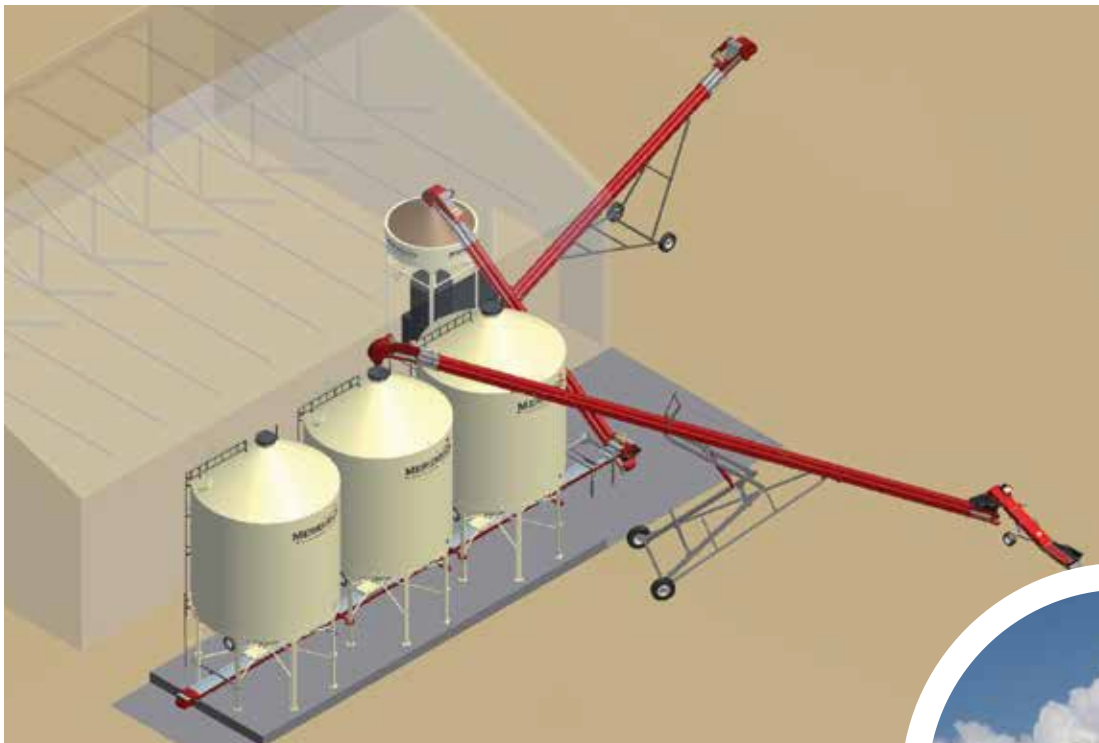
HIGH CAPACITY BIN FILL CONVEYOR.

These high capacity belt conveyors feature a heavy duty, fully enclosed 10" tube with 20" chevron belting. A variety of drive systems are available including PTO, hydraulic and electric. Popular options include a 15' swing transfer conveyor, HD mover kit, and light kit.



GREAT FEATURES. GREAT QUALITY.

- ▶ Up to 10,000 bushel/hour capacity
- ▶ Powder coat paint finish
- ▶ Low tension "S" belt drive system
- ▶ Unique tube design - eliminates the need for a truss system



CUSTOM SITE DESIGN.

Meridian has the engineering capabilities to address the specific and unique needs of our seed site customers. In addition to our product offering, we provide important value added services to ensure success at all stages of a client project. Some of these value-added services include:

- Working with the dealer on the initial site layout
- Collaborating with the dealer to conceptualize equipment options and the ideal solution
- Supplying equipment drawings and specifications
- Provide detailed site specific cad drawings

We can tailor a product package to meet your specific needs. Regardless of the size or scope of the project, you can rest assured that Meridian is committed to your success. We have the product for your application and the expertise to assist with the various stages of development.

SPECIFICATIONS

THE PERFECT SIZE FOR YOUR OPERATION

Standard Diameters	Bushel Capacity Ranges	Cubic Feet Ranges	Height Ranges
12'	1064 - 1448	912 - 4332	16' - 47'
13'	1533 - 4332	1813 - 5123	23 - 48'
13' - 6"	1393 - 4071	2213 - 4503	20' - 42'
14'	1826 - 3135	2146 - 3688	24' - 34'
16'	2410 - 5825	2831 - 6842	24' - 44'
18'	3161 - 7488	3714 - 8794	26' - 46'

Please note some sizes may not be available in every region depending on transportation restrictions.

CONVEYORS AND SEEDMAX MODEL SPECIFICATIONS

SEEDMAX BINS				
Model	bushels	cu ft	bin height	min conveyor
12' diameter	(all destinations)			
1208SM	1064	1252	20' 3/16"	35'
1212SM	1448	1704	24' 3/16"	45'
13' diameter	(all destinations)			
1313SM	1882	2214	26'4"	50'
1322SM	2898	3409	35'4"	65'
1330SM	3800	4471	43'4"	75'
13'6" diameter	(all destinations)			
1412SM	1881	2213	25'2"	45'
1420SM	2854	3358	33'2"	60'
1428SM	3828	4503	41'2"	75'
16' diameter	(excluding Ontario, Eastern & PNW U.S regions)			
1615SM	3265	3840	29'11"	55'
1620SM	4120	4845	34'11"	65'
1625SM	4974	5851	39'11"	75'
18' diameter	(Western Canada and Northern US destinations only)			
1815SM	4243	4991	31'6"	55'
1820SM	5324	6263	36'6"	65'
1825SM	6406	7536	41'6"	75'

CONVEYORS									
	20ft	25ft	30ft	35ft	40ft	45ft	55ft	65ft	75ft
Transport Electric Drive	•	•	•	•	•	•			
Stationary Electric Drive	•	•	•	•	•	•			
Scissor Lift Electric Drive							•	•	•
NOTES: 20-30 foot conveyors require 5HP motor 35-45 foot conveyors require 7.5HP motor 55-75 foot conveyors need a 10HP motor Meridian also offers a hydraulic driven option on certain models									



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www.meridianmfg.com

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