



**thomas conveyor
company®**

DRAG CONVEYOR CAPABILITIES

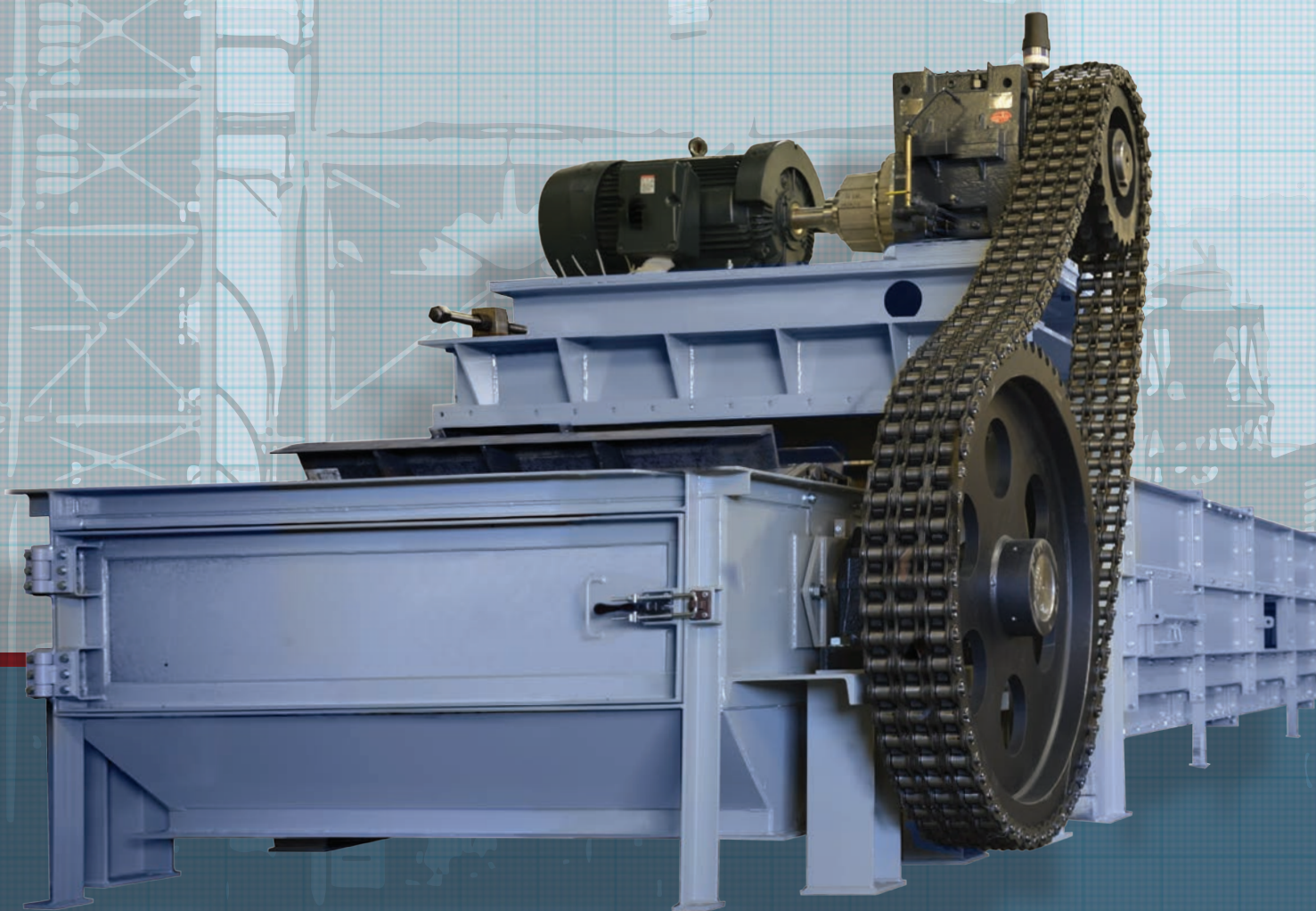
FLAT BOTTOM

ROUND BOTTOM

SUPER DUTY

MILL DUTY

L & S PATH



thomson offers a complete line of Flat Bottom Drags to handle capacities up to 31,876 CFH.

thomson Super Duty Flat Bottom Drags have been successfully used in applications with conveyors reaching lengths of over 660 feet.

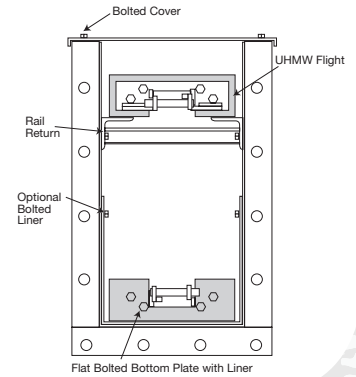
The thomson Flat Bottom Drag Conveyor is constructed with heavy-duty formed channel sides, with bolted bottoms and covers. The replaceable rail return system is designed with a rail liner when wear is a concern.

The thomson Flat Bottom Drag Conveyor is especially suited for handling free flowing grains. When heavier abrasive materials need to be conveyed, contact thomson about our Mill Duty Drag Conveyor with Forged Chain.



Warning And Safety Reminder

Lock Out Power before removing covers, guards or before servicing. Exposed moving parts can cause severe injury.



FEATURE	FUNCTION	BENEFIT
UHMW Flights	Less degradation of material	Reduced product loss
Bolted Flanged Covers	Dust and weather tight	Eliminates environmental or product contamination
Bolted Bottom Plate	Easily replaceable	Reduces downtime and maintenance costs
Heat Treated Sprockets	Provides wear resistance	
Rail Return System	Allows chain and paddles to run straight on slack side without getting worn and jamming up	
Heavy-Duty Backing Plate	Stronger construction	
Heavy-Duty Pillow Block Roller Bearings	Longer bearing life	
Flat Bottom Tail Take-Up	Allows for easy adjustment of chain and tension	
Removable Inspection Cover	Easy access to maintenance points	
Access Panels	Easy access for routine maintenance	Lower costs associated with higher capacity
Capacities - up to 31,876 CFH	Higher capacities than screw conveyor	
Steel Laser Cut Construction	More accurate welding and construction	Faster, easier installation
thomson Quality Engineering & Manufacturing	Adherence to precise manufacturing specifications from design to completion	Quality equipment
Lengths to 660 Feet	Transport product over long distances	Eliminates need for intermediate transferring
Sizes 9" to 36"	Can handle wide range of capacity requirements	Get the size that is needed for lower cost installation

POPULAR OPTIONS	
Intermediate Discharge	Allows for multiple discharge locations.
Liners of Various Materials	Ability to use liners best suited for individual application for longer wear life.
A.R. Steel Bottom Plate	Increases wear life and reduces downtime and maintenance costs.
Split Sprockets	Allows for ease of replacement and reduces downtime and maintenance costs.
Bypass Inlets	Material bypasses top flights and is directed to the bottom flights along both sides of conveyor for smoother material handling.
Extended Wear Options	Heavier steel frames, chains, paddles and drive systems are available.
Bend Section	Designed for installations that require a slight incline or decline along conveyor route.
Return Rails	Return rails lined with UHMW for smoother, quieter operation, or AR when wear is an issue.
Self Cleaning Tail	Reduces material buildup in tail of conveyor.
Plug Switch	Stops conveyor operation if material clogs conveyor.
Discharge Gates	Single or multiple locations for versatility. Unique carry bars keep chain from dropping into gate.
Cover Clamps	Screw clamps hold cover in place allowing easy access.

CAPACITY FPM/RPM												
SERIES	1 FPM		100 FPM		125 FPM		150 FPM		175 FPM		200 FPM	
	CFH	RPM	CFH	RPM	CFH	RPM	CFH	RPM	CFH	RPM	CFH	RPM
1809	28.13	37	2,813	37	3,516	46	4,220	55	4,923	65	5,626	74
2409	54.38	27	5,438	27	6,798	34	8,157	40	9,517	47	10,876	54
2412	68.25	27	6,825	27	8,531	34	10,238	40	11,944	47	13,650	54
2414	78.75	27	7,875	27	9,844	34	11,813	40	13,781	47	15,750	54
2416	89.25	27	8,925	27	11,156	34	13,388	40	15,619	47	17,850	54
2418	96.19	27	9,619	27	12,024	34	14,429	40	16,833	47	19,238	54
3016	111.56	23	11,156	23	13,945	29	16,734	34	19,523	40	22,312	46
3018	121.13	23	12,113	23	15,141	29	18,170	34	21,198	40	24,226	46
3020	133.88	23	13,388	23	16,735	29	20,082	34	23,429	40	26,776	46
3024	159.38	23	15,938	23	19,923	29	23,907	34	27,892	40	31,876	46

Notes:

1. Capacities are based on 90% loading with free-flowing grains at 48 pounds per cubic foot.
2. Selection of conveyors should be based upon material characteristics.
3. Capacities and speeds will vary for other types of materials and for materials conveyed at an incline.

Please consult thomson if you have any questions concerning your applications.

Additional Capabilities



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Super Duty Drag Conveyor

The **thomas** Mill Duty Drag is designed for handling heavy and abrasive materials, such as limestone, aggregate and sand. Standard features include: Forged Chain, A.R. Flights, A.R. Return Rails. Popular options include: A.R. Steel Liners, Spring Loaded Take-up, Self-Cleaning Tail Section and Split Sprockets.

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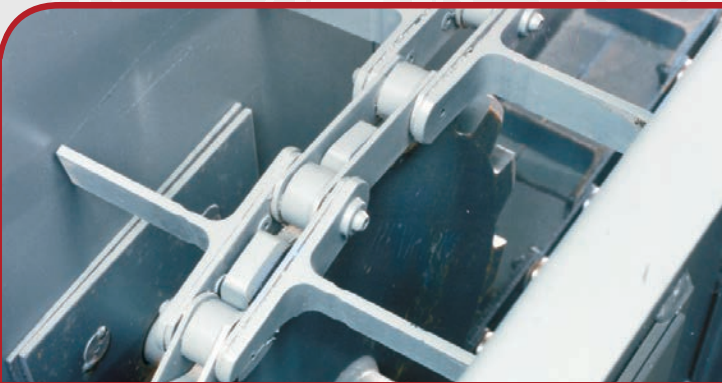
Mill Duty Drag Conveyor



S-Path Drag Conveyor



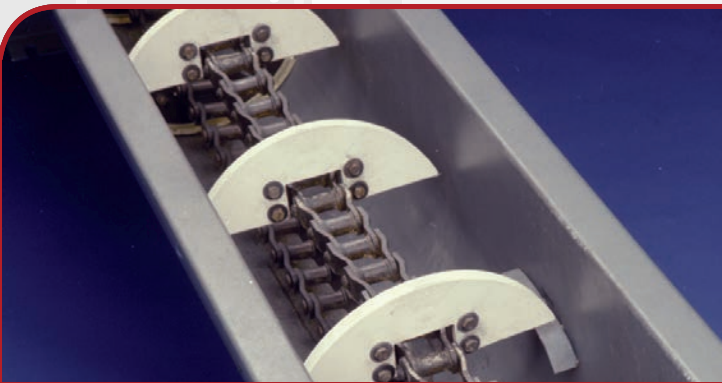
L-Path Drag Conveyor



Self Cleaning Tail



Submerged Drag Conveyor



Round Bottom Drag Conveyor



Flat Bottom Tail Take-Up

*Conveyors shown without cover for illustration purposes only. Please follow manufacturing safety guidelines when operating conveyors.



MANUFACTURERS • DESIGNERS • ENGINEERS



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