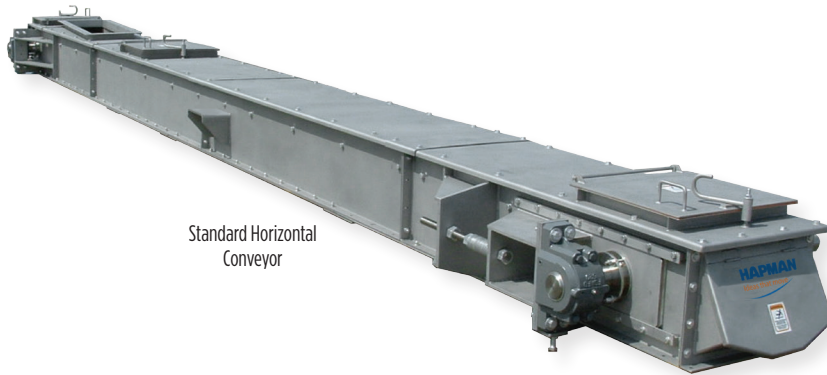


# The Right Equipment For The Job

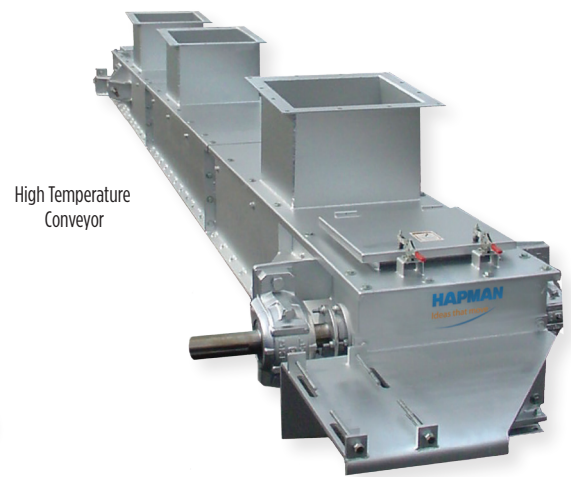
## En-Masse Drag Conveyor

### The most efficient and versatile conveying technology.

- Move up to 1,000 TPH in a single unit.
- Convey in an enclosed, long-lasting, abrasion-resistant housing.
- Efficient size-to-capacity ratio; convey high volumes in a small footprint.
- Uses the longest-wearing, drop-forged chain in the industry.
- Conveys a wide range of material from ash to zinc.



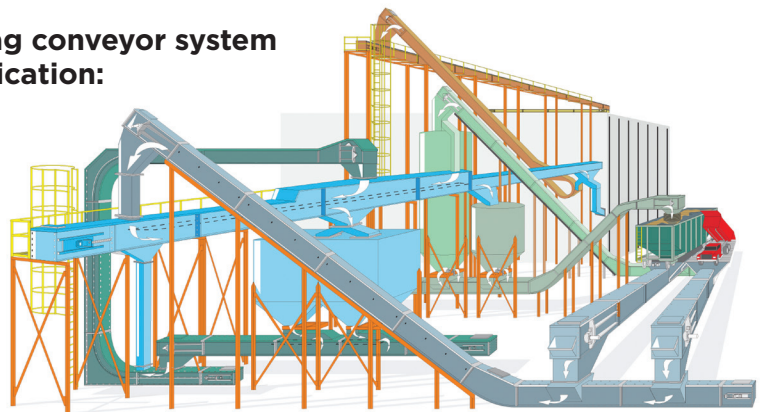
Standard Horizontal  
Conveyor



High Temperature  
Conveyor

### Streamline your process with an En-Masse drag conveyor system engineered for the unique needs of your application:

- Complete material handling systems from off-load to process or storage.
- Engineered electrical and controls with system integration.
- On-sight installation and start-up supervision available.



### We're here to make a difference

Contact Gordy Brodhagen at (269) 382-8226  
or by e-mail at [gordon.brodhagen@hapman.com](mailto:gordon.brodhagen@hapman.com)  
[hapman.com](http://hapman.com)

**HAPMAN**  
Ideas that move.

a  Global company

# En-Masse Drag Conveyor

## Specifications

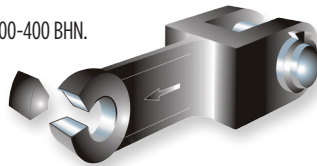
### NOMINAL CONVEYOR SIZES AND CAPACITIES\*

Conveyor Size		9"	11"	15"	19"	25"	30"
Product:	(Nominal Density)	Hourly Capacity in Specific Units of Measure i.e. Bushels/Hrs., STPH etc.					
Alumina	(60 lbs/cuft.)	12 STPH	18 STPH	35 STPH	55 STPH	80 STPH	110 STPH
Ash (Dry)	(50 lbs/cuft.)	9 STPH	14 STPH	25 STPH	40 STPH	60 STPH	85 STPH
Cement (Finished)	(90 lbs/cuft.)	80 STPH	120 STPH	225 STPH	365 STPH	530 STPH	760 STPH
Coal (Bituminous)	(50 lbs/cuft.)	80 STPH	120 STPH	225 STPH	365 STPH	530 STPH	760 STPH
Fertilizers (Multiple)	(75 lbs/cuft.)	65 STPH	100 STPH	180 STPH	290 STPH	430 STPH	600 STPH
Grains (Whole)	(60 lbs/bushel)	4800 BPH	7200 BPH	13400 BPH	22000 BPH	32000 BPH	45000 BPH
Limestone	(80 lbs/cuft.)	70 STPH	100 STPH	190 STPH	310 STPH	450 STPH	640 STPH
Malt	(35 lbs/cuft.)	80 STPH	120 STPH	220 STPH	360 STPH	525 STPH	750 STPH
Meals (Food)	(40 lbs/cuft.)	80 STPH	120 STPH	220 STPH	360 STPH	525 STPH	750 STPH
Petro-Coke	(45 lbs/cuft.)	35 STPH	55 STPH	100 STPH	165 STPH	230 STPH	340 STPH
Phosphate Rock	(80 lbs/cuft.)	75 STPH	110 STPH	200 STPH	330 STPH	490 STPH	700 STPH
Salt Cake	(10 lbs/cuft.)	3.5 STPH	5.3 STPH	10 STPH	16 STPH	23 STPH	35 STPH
Soda Ash (Dense)	(60 lbs/cuft.)	50 STPH	75 STPH	145 STPH	230 STPH	340 STPH	485 STPH
Silica/Quartz (Sand)	(100 lbs/cuft.)	15 STPH	25 STPH	50 STPH	80 STPH	110 STPH	160 STPH
Woodchips (Sized)	(25 lbs/cuft.)	20 STPH	30 STPH	60 STPH	90 STPH	135 STPH	200 STPH
Urea	(45 lbs/cuft.)	45 STPH	70 STPH	130 STPH	210 STPH	310 STPH	440 STPH
Zinc (Calcined)	(110 lbs/cuft.)	100 STPH	160 STPH	300 STPH	480 STPH	700 STPH	1000 STPH

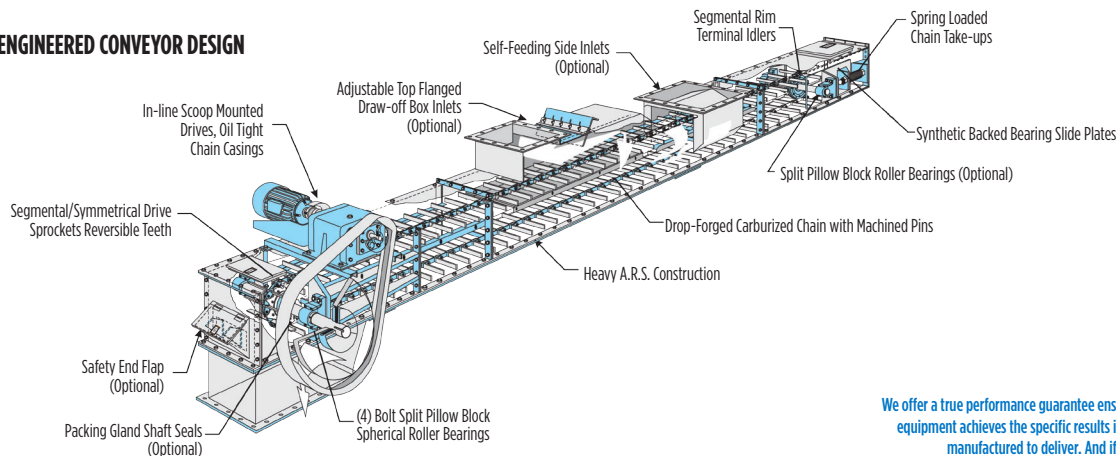
\* The hourly capacities are nominal and meant to provide the preliminary data for conveyor sizing. Each product has its own special characteristics, volumetric efficiency, kW factors, recommended chain speed, etc. Capacities reflect chain speeds from 0.05-1.03 m/s; contact Hapman for specific recommended speeds. For application of incline or vertical conveying, please contact Hapman. Higher capacities and wider dual strand conveyors are also available.

### DROP FORGED CHAIN — CrMn Alloy Chain Link

- Our core hardness for strength and ductility is set at 300-400 BHN.
- Chain links are totally carburized to provide an effective case hardness of 550-650 BHN (60Rc) at a depth of 0.76 mm to 1 mm.

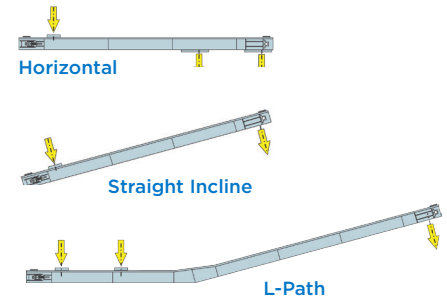


### ENGINEERED CONVEYOR DESIGN



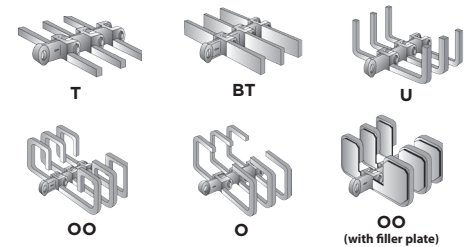
## Options

### LAYOUT OPTIONS



### FLIGHT SELECTION

These flight options represent the most common designs. Other styles are available.



We offer a true performance guarantee ensuring your Hapman equipment achieves the specific results it was designed and manufactured to deliver. And if you need technical support, call us. We are available 24/7.



## See More Equipment At [hapman.com](http://hapman.com)

Hapman offers a complete line of material handling equipment that easily integrates into existing systems, including:

- Flexible Screw Conveyors
- Tubular Drag Conveyors
- Bag Dump Stations
- Feeders
- Bulk Bag Unloaders
- Bulk Bag Fillers
- Bag Compactors
- Lump Breakers
- And More

800-427-6260 (US/Can)  
sales@hapman.com  
hapman.com

**HAPMAN**  
Ideas that move.