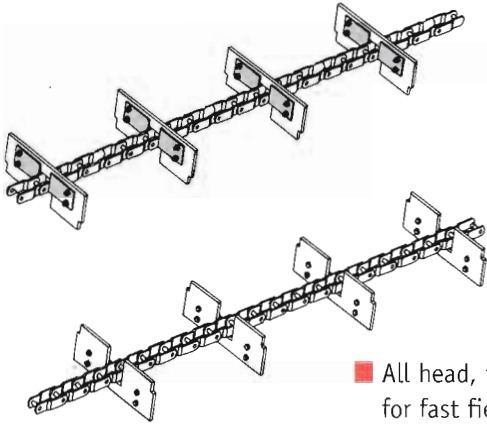


***Curved Incline Drag Conveyor***

# Curved Inclined Features

■ All steel chain engineered and designed for each specific conveyor for extended life and maximum working loads. Chain is either welded steel or roller bushed style.

■ Head and tail section pillow block bearings accurately sized for maximum radial loads, extended life, and easy maintenance.



■ Colored flights mark cotted section on chain for quick easy maintenance.

■ Flight attachments are constructed of heavy plate steel and welded to chain.

■ All head, tail, and trough sections are shipped fully assembled for fast field installation.

■ 1/2" thick UHMW flights on all models to prevent steel to steel contact. Flights are factory bolted to chain for easy installation.

■ Bolted cover with top splice provides extra strength and dust-tight weatherproof seal.

■ Internal return pan is bolted and replaceable. The curved section return pan is constructed of abrasion resistant steel.

■ 9" and 12" models have bottom splice plates for accurate alignment. Larger models have offset bottom splices with angle flanges.

■ By-pass inlet hopper

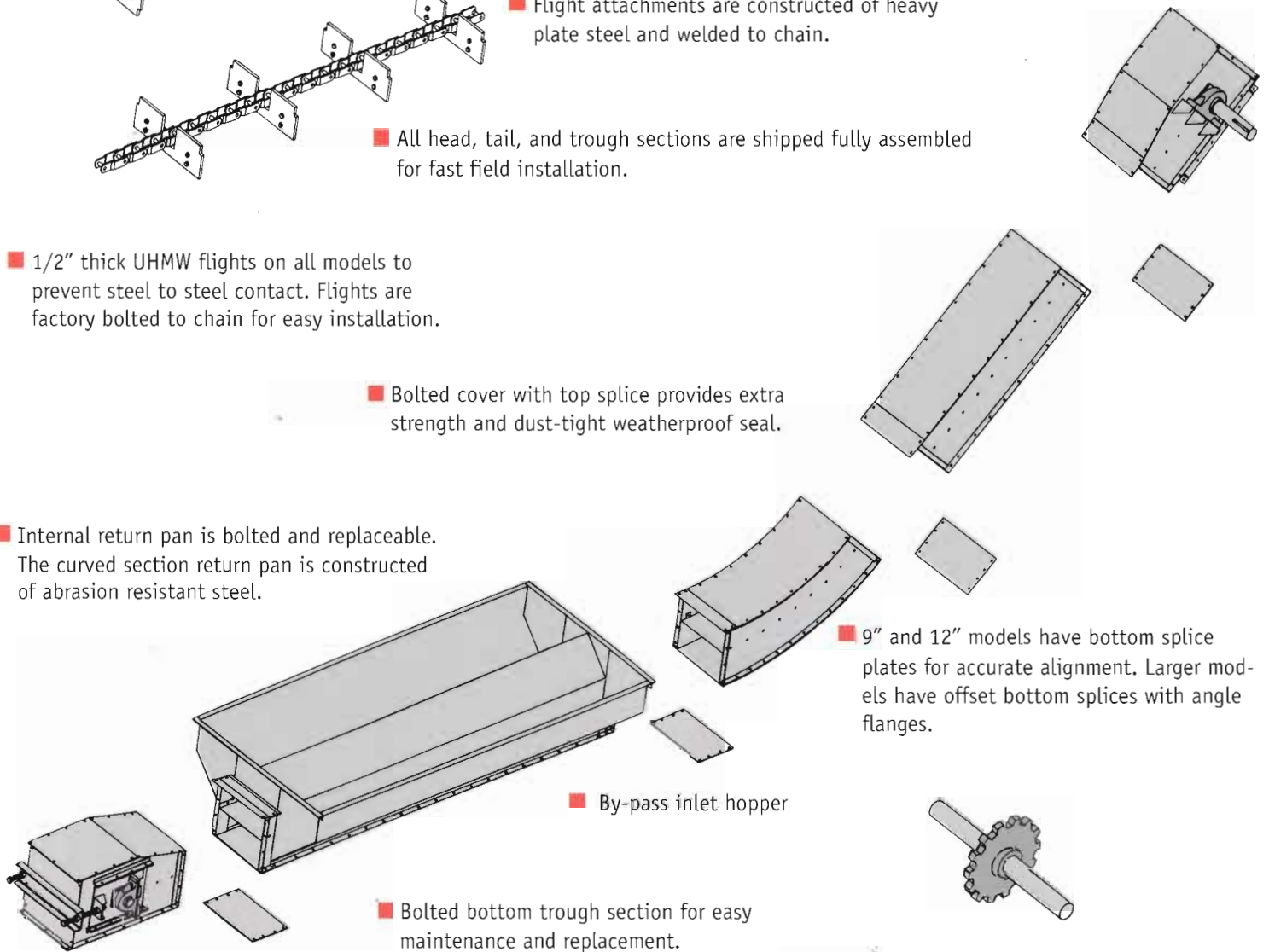
■ Bolted bottom trough section for easy maintenance and replacement.

■ Dust tight and weatherproof UHMW seals on head and tail shafts.

■ Flame cut steel, hardened rim C-hub sprocket. Split style is optional.

■ Tension type screw take-up for more durable service. Take-up at head is optional.

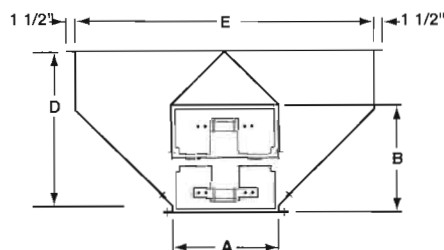
■ Turned, ground, and polished shafts constructed of #1045 steel. Tail shafts are drilled and tapped for optional motion monitor.



# Curved Incline Specifications

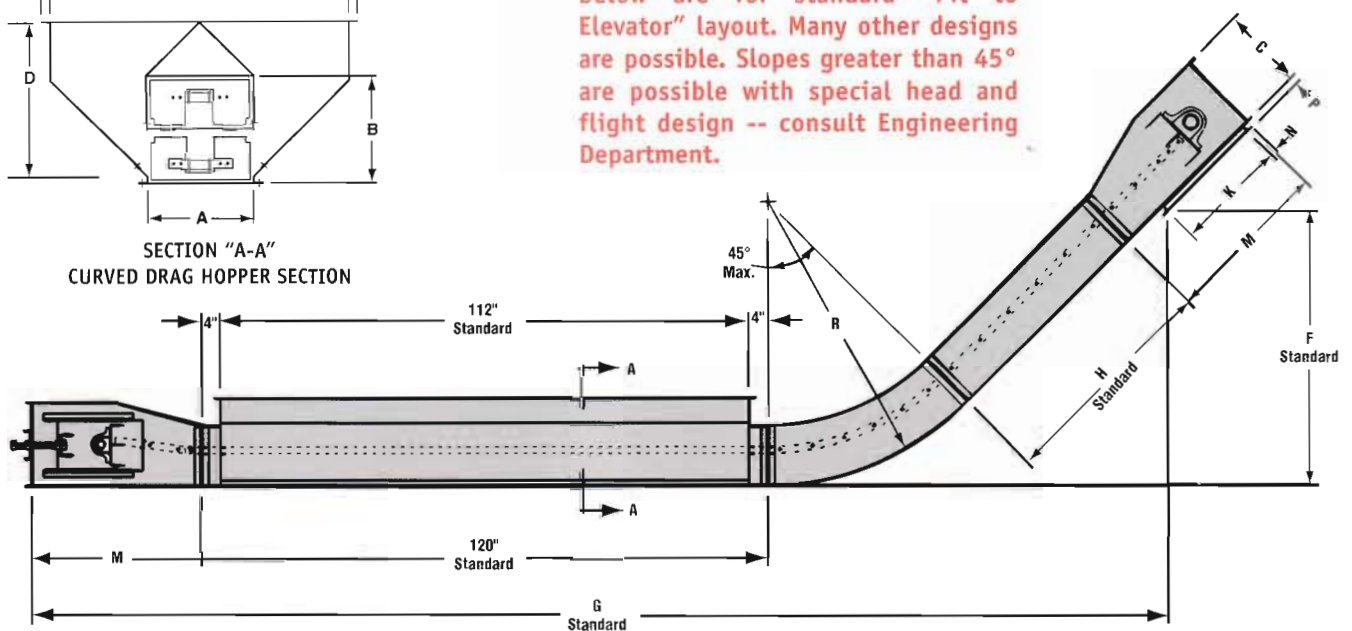
Model Size	Capacity		FPM	RPM	Standard Construction Guage				
	BPH	CFH			Head	Tail	Pan	Bottom	Side
9 x 9	500	625	47	21	10	10	12	10	12
	1,000	1,250	94	42					
	1,500	1,875	139	63					
	2,000	2,500	185	84					
12 x 12	2,000	2,500	101	33	10	10	10	10	10
	2,500	3,125	126	41					
	3,000	3,750	151	49					
17 x 17	4,000	5,000	99	28	10	10	10	7	10
	5,000	6,250	124	36					
	6,000	7,500	149	43					
	7,000	8,750	174	50					
24 x 20	7,000	8,750	106	21	7	7	7	7	10
	8,000	10,000	121	24					
	9,000	11,250	136	27					
	10,000	12,500	152	30					
32 x 20	10,000	12,500	110	22	7	7	7	7	10
	12,500	15,625	138	28					
	15,000	18,750	165	33					

\*Capacities based on whole grain @ 15% moisture and inlet located in horizontal trough. Sizes shown are most economical to manufacture, but other heights and widths are available to suit project requirements.



SECTION "A-A"  
CURVED DRAG HOPPER SECTION

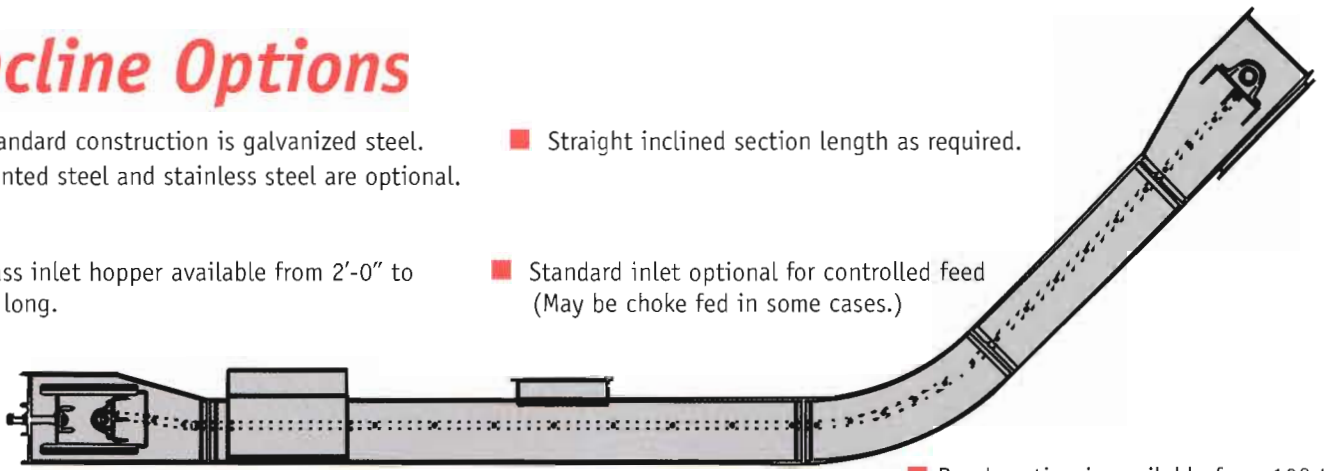
**NOTE: Configuration and dimensions shown below are for standard "Pit to Elevator" layout. Many other designs are possible. Slopes greater than 45° are possible with special head and flight design -- consult Engineering Department.**



DIMENSIONS IN INCHES													
Model	A	B	C	D	E	F	G	H	K	M	N	P	R
9 x 9	9	9 <sup>1</sup> / <sub>4</sub>	14	14 <sup>1</sup> / <sub>2</sub>	24	49 <sup>3</sup> / <sub>4</sub>	226	36	18	30	1 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>8</sub>	60
12 x 12	12	12 <sup>1</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	18 <sup>1</sup> / <sub>4</sub>	36	58 <sup>1</sup> / <sub>4</sub>	240 <sup>5</sup> / <sub>8</sub>	48	24	36	1 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>8</sub>	60
17 x 17	17	17 <sup>1</sup> / <sub>4</sub>	21 <sup>3</sup> / <sub>4</sub>	26	48	66 <sup>3</sup> / <sub>8</sub>	255	60	27	36	3	2 <sup>1</sup> / <sub>8</sub>	72
24 x 20	24	20 <sup>1</sup> / <sub>4</sub>	26 <sup>1</sup> / <sub>4</sub>	32 <sup>7</sup> / <sub>8</sub>	60	79 <sup>3</sup> / <sub>4</sub>	290 <sup>3</sup> / <sub>8</sub>	60	30	48	3	2 <sup>1</sup> / <sub>8</sub>	96
32 x 20	32	20 <sup>1</sup> / <sub>4</sub>	26 <sup>1</sup> / <sub>4</sub>	38	66	79 <sup>3</sup> / <sub>4</sub>	290 <sup>3</sup> / <sub>8</sub>	60	30	48	3	2 <sup>1</sup> / <sub>8</sub>	96

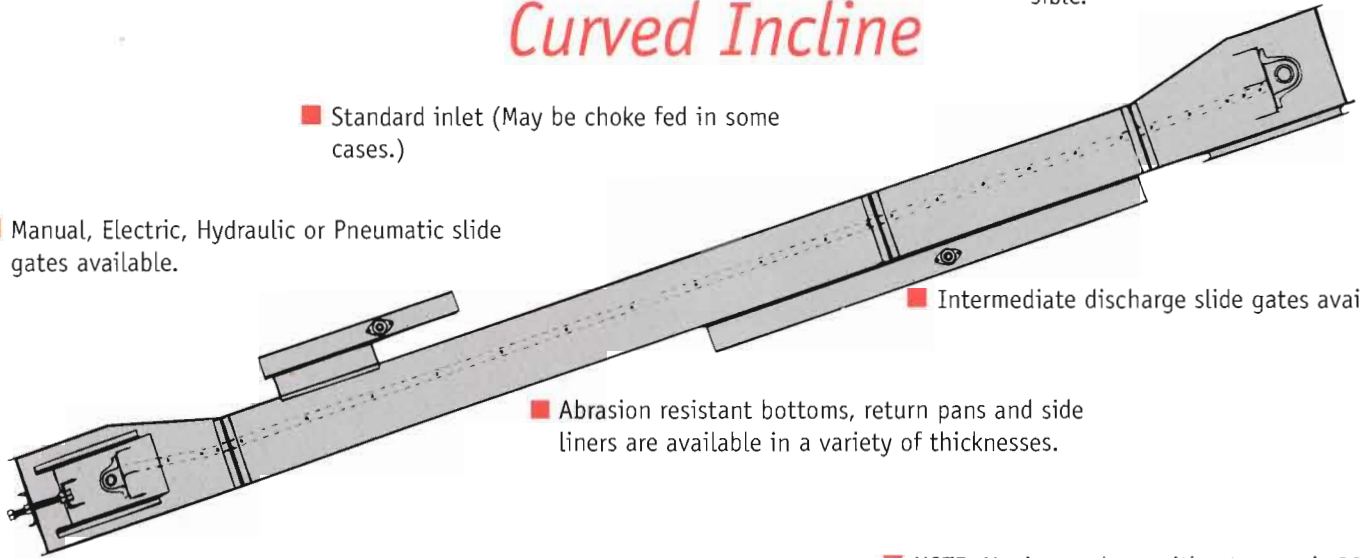
## Incline Options

- Standard construction is galvanized steel. Painted steel and stainless steel are optional.
- Straight inclined section length as required.
- By-pass inlet hopper available from 2'-0" to 9'-4" long.
- Standard inlet optional for controlled feed (May be choke fed in some cases.)
- Optional head section screw take-up. Tail section screw take-up is standard.
- Straight horizontal section length as required.
- Bend section is available from 10° to 45° maximum for standard construction. Radii other than standard are possible.



## Curved Incline

- Standard inlet (May be choke fed in some cases.)
- Manual, Electric, Hydraulic or Pneumatic slide gates available.
- Intermediate discharge slide gates available.
- Abrasion resistant bottoms, return pans and side liners are available in a variety of thicknesses.
- Curved and close tolerance tail section optional.
- NOTE: Maximum slope without curve is 30°.



## Straight Incline

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- Bucket Elevators ■ Distributors ■ Screw Conveyors ■
- Incline Drag Conveyors ■ Super Incline Drag Conveyors ■
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*For equipment designed to your specifications contact our Engineering Department.*

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