

Curved Incline Drag Conveyors

BROCK® curved incline conveyors are used when applications require more than the normal 10° maximum incline of a BROCK Easy-Flo or Sur-Flo Conveyor.

Incline conveyor standards.

- Standard inlet (may be choke fed in some cases).
- Manual, electric, hydraulic or pneumatic slide gates available.
- All steel chain is engineered and designed for extended life as well as maximum working loads. Chain is either welded steel or roller bushed.
- Bearing support mount constructed of 1/4-inch (6.4-mm) plate and welded in place for maximum strength.
- 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.
- Internal return pan is bolted and replaceable.
- Bottom splice plates for accurate alignment thru 17-inch (432-mm) tall models. Bolted bottom overlaps on 20-inch (508-mm) tall and larger models.
- Bolted bottom trough section for ease of maintenance and replacement.
- Flame cut steel, hardened rim C-hub sprocket. Split style is optional.
- Tension type screw take-up for more durable service.
- Turned, ground, and polished shafts constructed of #1045 steel.
- Abrasion-resistant bottoms, return pans and side liners are available in a variety of thicknesses.
- Curved and close tolerance tail sections are optional.

Curved Incline Conveyor Capacities

Size W x H (Metric)	CAPACITY*				CHAIN SPEED		
	BPH	CFH	TPH	MTPH	FPM	MPS	RPM
9 x 9 (229 x 235)	500	625	15	14	46	0.23	21
	1,000	1,250	30	27	93	0.47	42
	1,500	1,875	45	41	139	0.71	63
	2,000	2,500	60	54	186	0.94	84
12 x 9 (305 x 235)	1,000	1,250	30	27	71	0.36	32
	1,500	1,875	45	41	104	0.53	47
	2,000	2,500	60	54	139	0.71	63
	2,500	3,125	75	68	175	0.89	79
12 x 12 (305 x 311)	2,000	2,500	60	54	101	0.51	33
	2,500	3,125	75	68	126	0.64	41
	3,000	3,750	90	82	150	0.76	49
	3,500	4,375	105	95	175	0.89	57
17 x 12 (423 x 311)	3,000	3,750	90	82	107	0.54	35
	3,500	4,375	105	95	122	0.62	40
	4,000	5,000	120	109	141	0.72	46
	4,500	5,625	135	122	159	0.81	52
17 x 17 (432 x 438)	4,000	5,000	120	109	98	0.50	29
	5,000	6,250	150	136	122	0.62	36
	6,000	7,500	180	163	149	0.76	44
	7,000	8,750	210	191	173	0.88	51
21 x 17 (533 x 438)	7,500	9,375	225	204	183	0.93	54
	7,000	8,750	210	191	139	0.71	41
	7,500	9,375	225	204	149	0.76	44
	8,000	10,000	240	218	159	0.81	47
24 x 20 (610 x 514)	8,500	10,625	255	231	166	0.84	49
	9,000	11,250	270	245	176	0.89	52
	7,000	8,750	210	191	106	0.54	21
	8,000	10,000	240	218	121	0.61	24
28 x 20 (711 x 514)	9,000	11,250	270	245	136	0.69	27
	10,000	12,500	300	272	151	0.77	30
	12,500	15,625	375	340	181	0.92	36
	10,000	12,500	300	272	126	0.64	25
28 x 26 (711 x 667)	12,500	15,625	375	340	161	0.82	32
	14,500	18,125	435	395	181	0.92	36
	12,500	15,625	375	340	119	0.60	18
32 x 26 (813 x 667)	15,000	18,750	450	408	143	0.73	22
	17,500	21,875	525	476	166	0.84	25
	15,000	18,750	450	408	125	0.63	19
32 x 26 (813 x 667)	17,500	21,875	525	476	146	0.74	22
	20,000	25,000	600	544	166	0.84	25

*Capacities based on 48 lb/ft³ (768 kg/m³) material density

Additional Features

- Paddles at chain splice are different color for easy identification during maintenance.
- Flights are a more robust 1/2-inch (12.7-mm) minimum flight thickness.
- All chain is shipped preassembled with flights attached.
- Bolted abrasion resistant steel side liner.