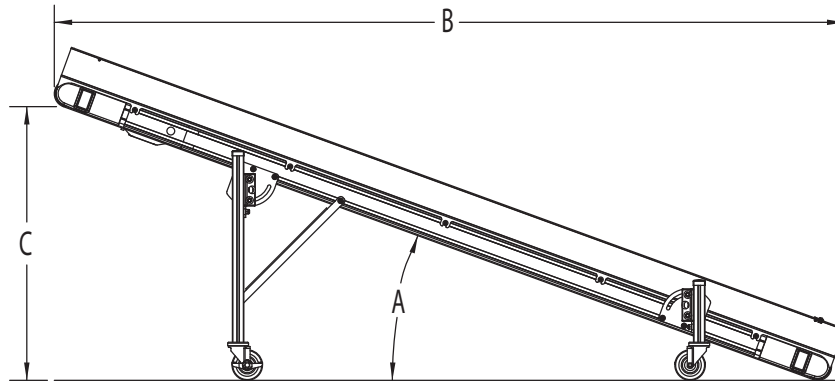
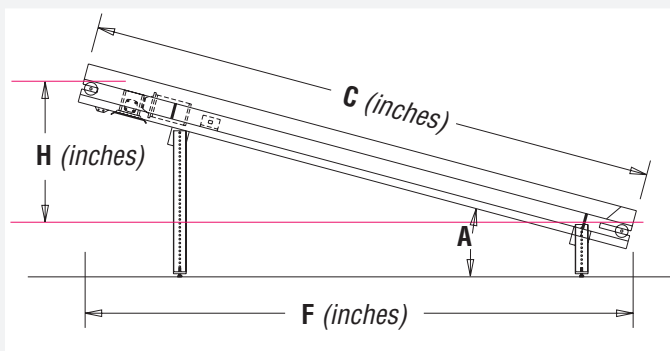


Elevation & Floor Space



Conveyor Length	Angle of Incline (A) (Dimensions In Inches)											
	20°		25°		30°		35°		40°		45°	
	B	C	B	C	B	C	B	C	B	C	B	C
3'	38	12	37	15	37	18	36	21	35	23	33	25
4'	49	16	48	20	47	24	46	28	44	31	41	34
5'	60	21	59	25	57	30	55	34	53	39	50	42
6'	72	25	70	30	68	36	65	41	62	46	58	51
7'	83	29	81	35	78	42	75	48	71	54	67	59
8'	94	33	92	41	89	48	85	55	80	62	75	68
9'	105	37	103	46	99	54	95	62	90	69	84	76
10'	117	41	113	51	109	60	105	69	99	77	92	85
11'	128	45	124	56	120	66	114	76	108	85	101	93
12'	139	49	135	61	130	72	124	83	117	93	109	102
13'	151	53	146	66	141	78	134	89	126	100	118	110
14'	162	57	157	71	151	84	144	96	136	108	126	119
15'	173	62	168	76	161	90	154	103	145	116	135	127
16'	184	66	179	81	172	96	164	110	154	123	143	136
17'	196	70	190	86	182	102	173	117	163	131	152	144
18'	207	74	200	91	193	108	183	124	172	139	160	153
19'	218	78	211	96	203	114	193	131	182	147	169	161
20'	229	82	222	101	213	120	203	138	191	154	177	170
21'	241	86	233	107	224	126	213	145	200	162	186	178
22'	252	90	244	112	234	132	222	151	209	170	194	187
23'	263	94	255	117	245	138	232	158	218	177	203	195
24'	275	99	266	122	255	144	242	165	228	185	211	204
25'	286	103	277	127	265	150	252	172	237	193	220	212
26'	297	107	287	132	276	156	262	179	246	201	228	221
27'	308	111	298	137	286	162	272	186	255	208	237	229
28'	320	115	309	142	296	168	281	193	264	216	245	238
29'	331	119	320	147	307	174	291	200	274	224	254	246
30'	342	123	331	152	317	180	301	206	283	231	262	255

Elevation & Floor Space Formulas for All Incline Conveyors



Known:	Want to Find: (All Dimensions in Inches)			
	A	H	F	C
H, F	$(H/F) \text{ ATAN}$			$\text{SQRT}(H^2 + F^2)$
H, C	$(H/C) \text{ ATAN}$		$\text{SQRT}(C^2 - H^2)$	
A, H				$H / \sin A$
A, F		$F (\tan A)$		$F / \cos A$
A, C		$C (\sin A)$	$C (\cos A)$	