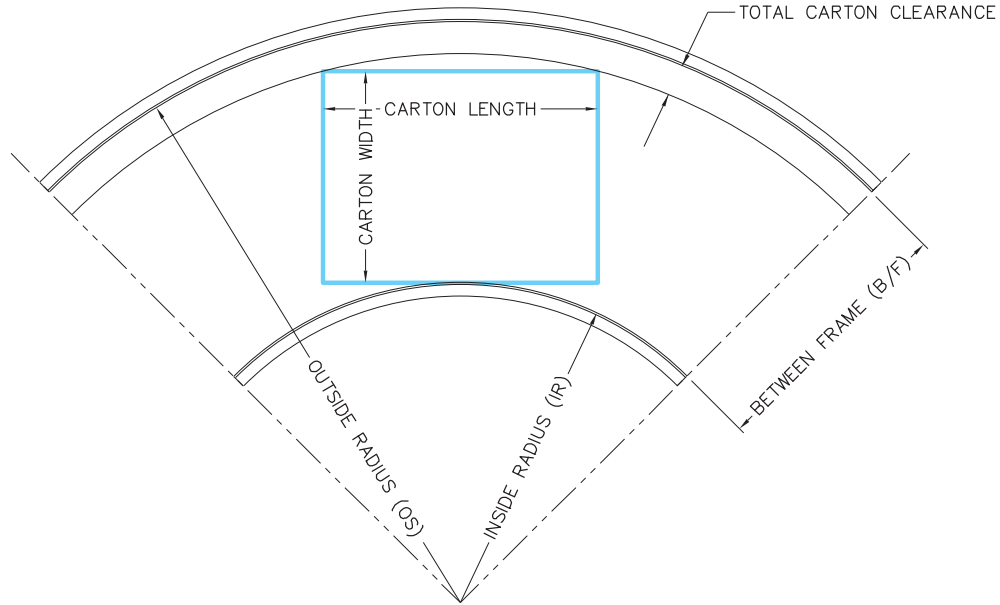


# Curve Sizing Diagram



## CURVE SIZING FORMULA AND CHART

Use of the Pythagorean Theorem to determine the between frame (BF) dimension of curved conveyor sections relative to carton size:

$$BF = \sqrt{\left[\frac{\text{carton length}}{2}\right]^2 + \left[\text{carton width} + \text{inside radius}\right]^2} + \text{carton clearance} - \text{inside radius}$$

### BF REQUIRED FOR CURVES HAVING 2'8½" RADIUS & SMALLER

Package Length	Package Width											
	4"	8"	12"	16"	20"	24"	28"	32"	36"	40"	44"	48"
4"	6	10	14	18	22	26	30	34	38	42	46	50
8"	6	10	14	18	22	26	30	34	38	42	46	50
12"	6	10	14	18	22	26	30	34	38	42	46	50
16"	7	11	15	19	22	26	30	34	38	42	46	50
20"	8	12	15	19	23	27	31	35	38	42	46	50
24"	9	12	16	20	23	27	31	35	39	43	47	51
28"	10	13	17	20	24	28	32	36	39	43	47	51
32"	11	14	18	21	25	29	32	36	40	44	48	51

### BF REQUIRED FOR CURVES HAVING 3'7¼" RADIUS & LARGER

Package Length	Package Width											
	4"	8"	12"	16"	20"	24"	28"	32"	36"	40"	44"	48"
4"	6	10	14	18	22	26	30	34	38	42	46	50
8"	6	10	14	18	22	26	30	34	38	42	46	50
12"	6	10	14	18	22	26	30	34	38	42	46	50
16"	6	10	14	18	22	26	30	34	38	42	46	50
20"	7	10	14	18	22	26	30	34	38	42	46	50
24"	7	11	15	19	23	27	31	34	38	42	46	50
28"	8	11	15	19	23	27	31	35	39	43	47	51
32"	8	12	16	20	24	27	31	35	39	43	47	51
36"	9	13	16	20	24	28	32	36	40	43	47	51
40"	10	13	17	21	25	28	32	36	40	44	48	52
44"	10	14	18	22	25	29	33	37	41	44	48	52
48"	11	15	19	22	26	30	33	37	41	45	49	53
52"	12	16	19	23	27	30	34	38	42	46	49	53
56"	13	17	20	24	27	31	35	39	42	46	50	54
60"	14	18	21	25	28	32	36	39	43	47	51	54
64"	15	19	22	26	29	33	36	40	44	47	51	55