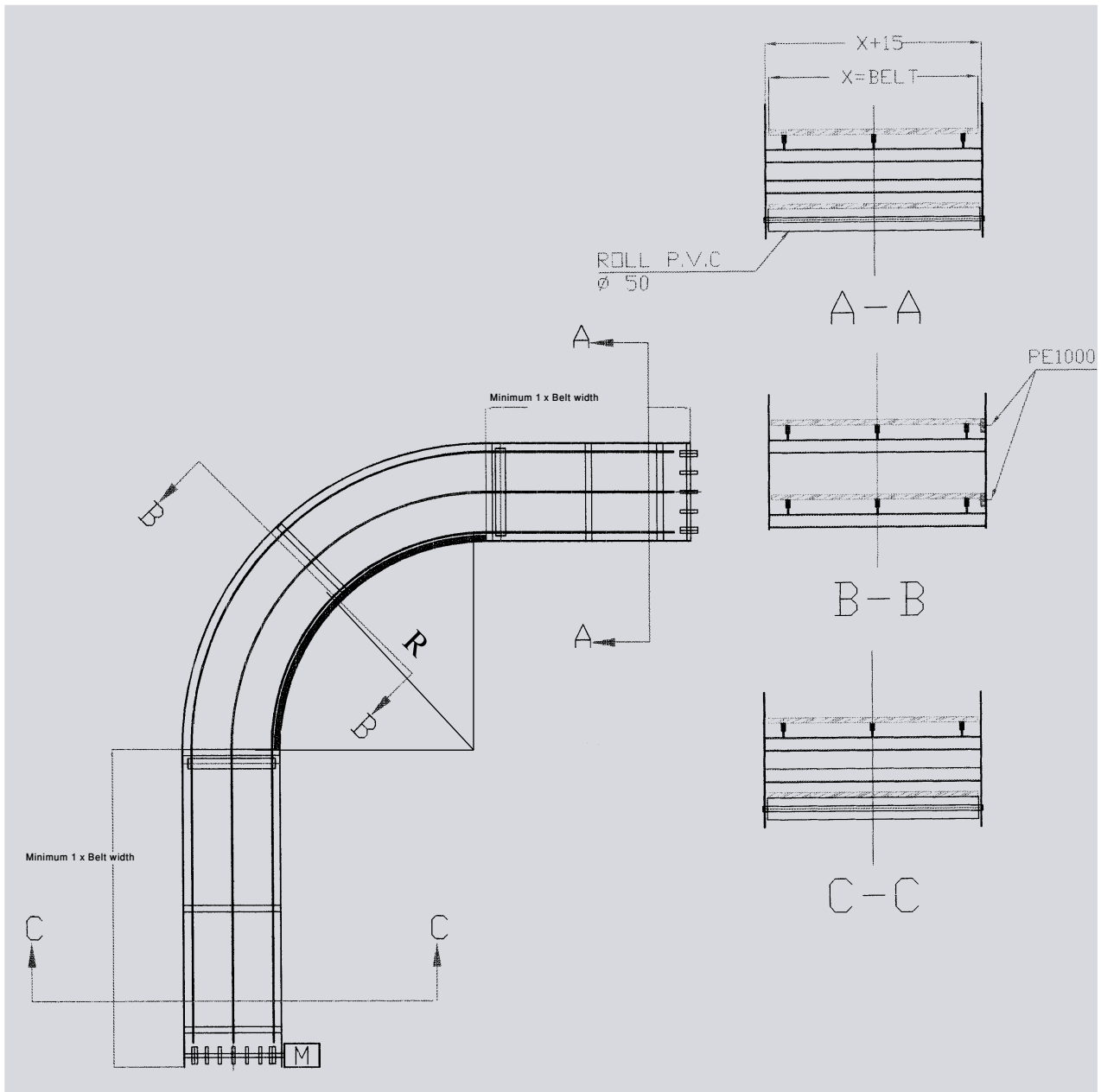


FRAME MEASUREMENTS FOR RADIUS BELTS



For further support please contact us by fax: + 972-9-7496964

FIGURE
1

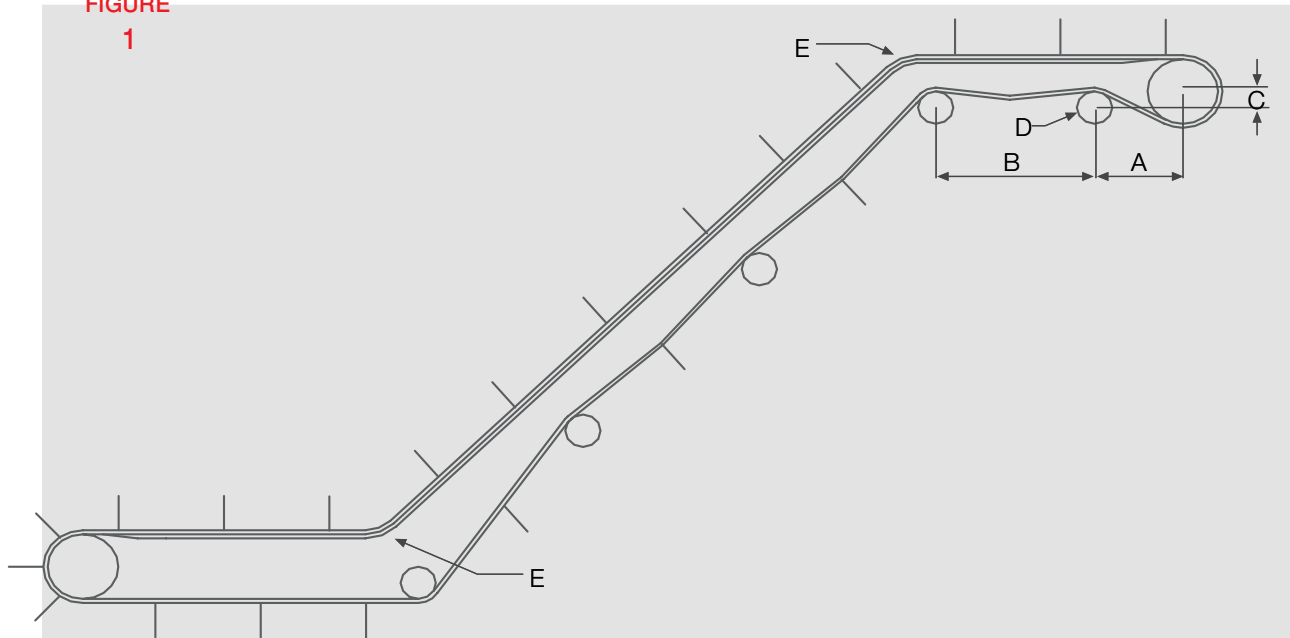
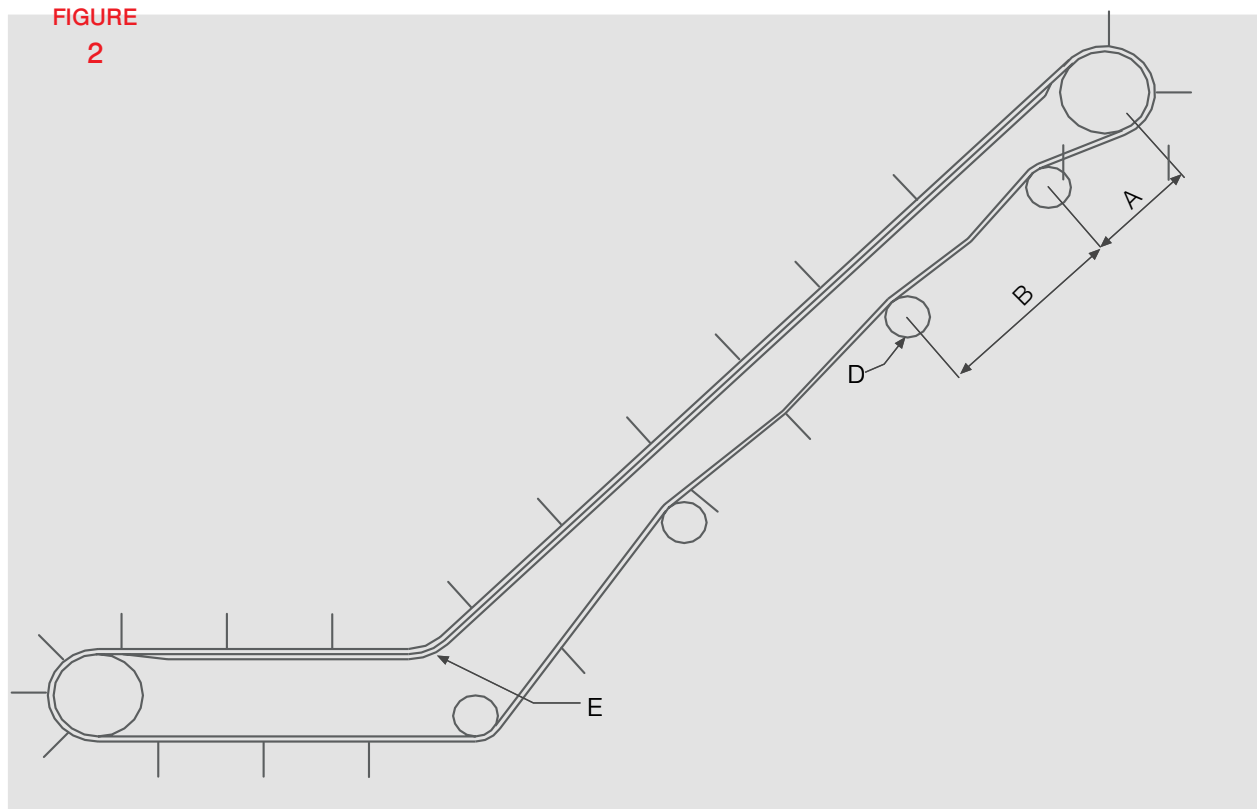


FIGURE
2



A = 200 - 300 mm

B = Min. 1000 mm - max. 10% of the centre distance

C = 12 - 50 mm

D = 12 min. \varnothing 30 mm - 25 min. \varnothing 50 mm. - 50 min. \varnothing 100 mm.

E = Min. radius 150 mm.

FIGURE - Short Conveyor
1

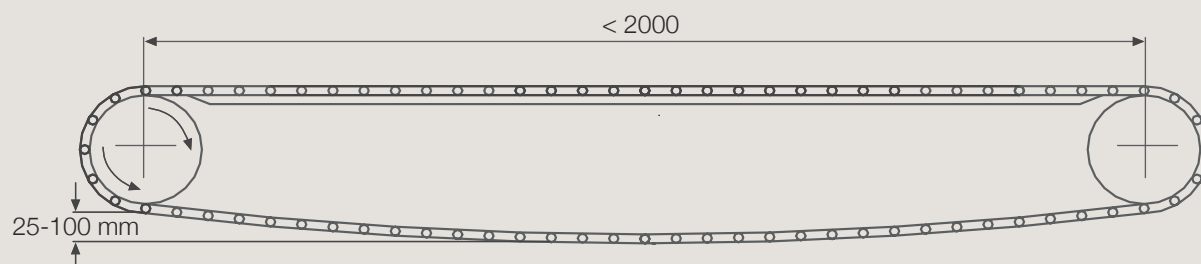


FIGURE - Long Conveyor
2

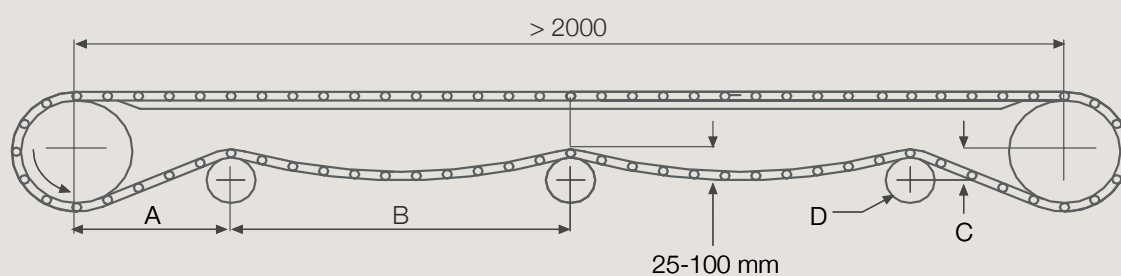
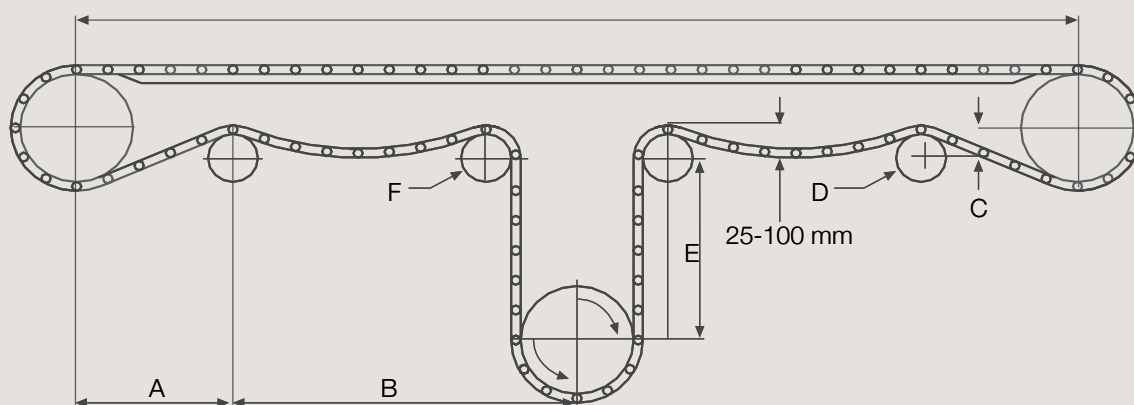


FIGURE - Center driven
3



A = 200 - 300 mm

B = Min. 1000 mm - max. 10% of the centre distance

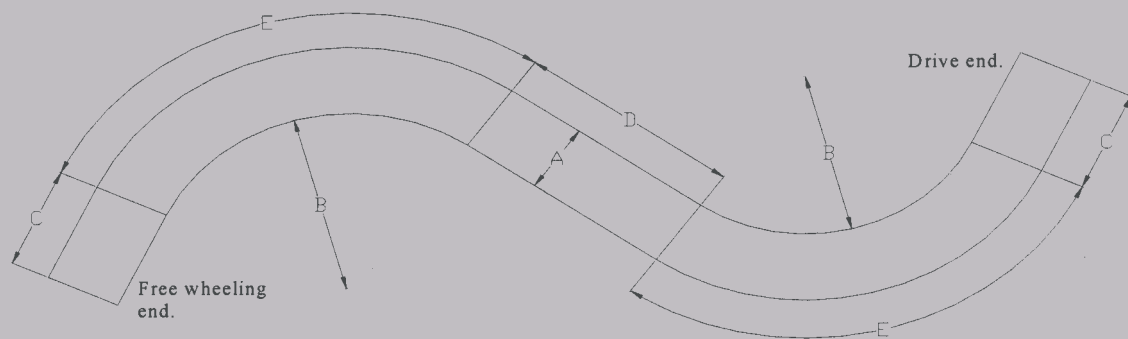
C = 12 - 50 mm

D = 12 min. \varnothing 30 mm. - 25 min. \varnothing 50 mm. - 50 min. \varnothing 100 mm.

E = 12 min. \varnothing 50 mm. - 25 min. 75 mm. - 50 min. 150 mm.

F = 12 min. \varnothing 40 mm. - 25 min. \varnothing 100 mm. - 50 min. \varnothing 150 mm.

CALCULATION FOR A-OR - A

S-curve

Radius Belt Example 90° S-curve

A: Belt width.

B: Min. inner radius = belt width x collapse factor.

C: Straight run on pull and n = belt width.

D: Straight run between 2 curves = min. 2 x belt width.

E: Curve length.

CALCULATION EXAMPLE

Belt width 421 mm -2 pcs. 90° turning radius.

Collapse factor = 1.6

B: 421 (A) x 1.6 = 674 mm.

C: min. 421 mm.

D: min. 842 mm.

E: $\frac{(B + A) \times 3.14}{4} = 860 \text{ mm}$

Total length c/c = (2 x C) + D + (2 x E) = 3404 mm.

SPROCKET SUPPORT

Sprockets							Belt support				
Nominal belt width	Standard load		Medium load		Heavy load		Nominal belt width	Series 25		Series 50	
mm	Series 25	Series 50	Series 25	Series 50	Series 25	Series 50	mm	carry way	return way	carry way	return way
50	1	1	1	1	1	1	50	2	2	2	2
100	1	1	2	2	2	2	100	2	2	2	2
150	2	2	2	2	3	2	150	2	2	2	2
200	2	2	3	2	4	3	200	3	2	2	2
250	2	2	3	3	5	3	250	3	2	3	2
300	3	3	4	3	6	4	300	3	2	3	2
350	3	3	5	4	7	5	350	4	3	3	3
400	4	3	6	4	8	6	400	4	3	3	3
450	4	3	6	5	9	6	450	4	3	3	3
500	5	4	7	5	10	7	500	5	3	4	3
600	5	5	8	6	12	8	600	5	3	4	3
750	6	6	10	8	15	10	750	6	4	5	4
800	7	6	11	8	16	11	800	7	4	5	4
900	8	7	12	9	18	12	900	7	4	5	4
1000	8	8	14	10	20	14	1000	8	5	6	5
1200	10	9	16	12	24	16	1200	9	5	7	5
1500	12	11	20	15	30	20	1500	11	6	8	5
1800	15	13	24	18	36	24	1800	13	7	9	6
2100	17	15	28	21	42	28	2100	15	8	11	7
2400	20	16	32	24	48	32	2400	17	9	12	8
3000	24	20	40	30	60	40	3000	21	11	15	9
3600	29	24	48	36	72	48	3600	25	13	17	11
4000	32	28	54	40	80	54	4000	29	15	19	13
	Max. space between sprockets 125mm	Max. space between sprockets 150mm	Max. space between sprockets 75mm	Max. space between sprockets 100mm	Max. space between sprockets 50mm	Max. space between sprockets 75mm	For other widths	Max. space between sprockets 150mm	Max. space between sprockets 300mm	Max. space between sprockets 225mm	Max. space between sprockets 300mm

For series 25-800 and series 50-800
a minimum of "medium load" is recommended.

When Axle base CC distance is above 2 mtr,
a roller is recommended on the returnway.