# Technical information

Belt control:
Drive drum/pulley, convex design for rubber and plastic conveyor belts

| belt width B [mm]	pulley width B_0 [mm]	B_1	B_2	B_3
≤ 400	B + 30	1/3	1/3	1/3
> 400 - ≤ 800	B + 40	1/4	1/2	1/4
> 800 - ≤ 1200	B + 50	1/5	3/5	1/5
> 1200 - ≤ 1600	B + 60	1/6	2/3	1/6
> 1600	B + 60	300 mm	rest	300 mm

The formula provided below should be used for drive roller and pulley when belt length is ≥ 8 x the belt width.
In case of the belt being shorter it is recommended to only design the drive drum, according to the formula, convexly. $d_0 - d_1 = 1\% \times d_0$ (max. 4 mm)
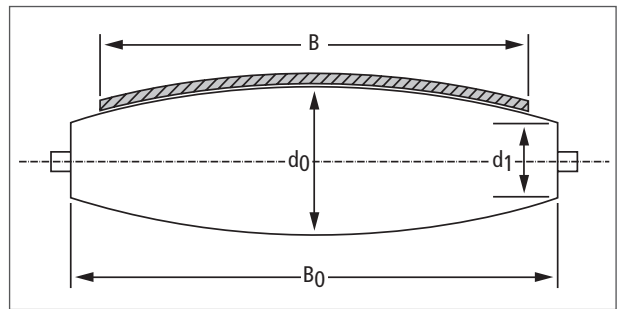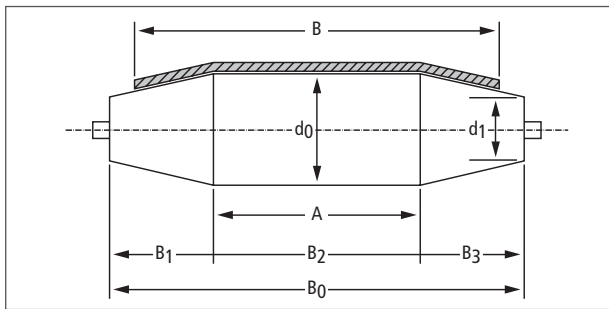
Procedure:
Setup and pre-loading of the belt
1. Align all drums parallel.
2. Pre-load the belt (according to specifications)
3. Test run
4. Check if belt is running in the centre
5. Adjust if necessary. Should an adjustment be necessary, proceed carefully and with caution from one side.
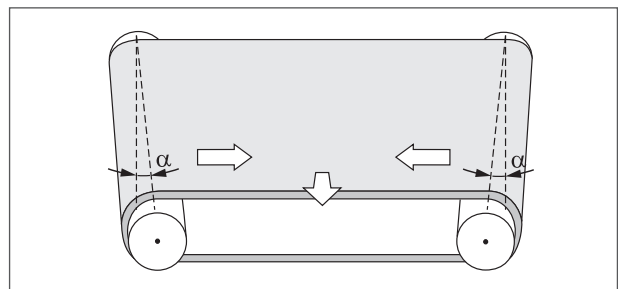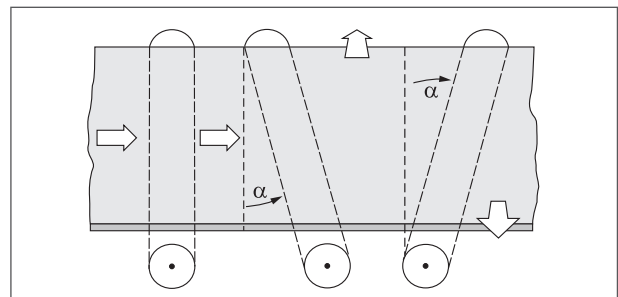

Function of a steering idler
Please note :
that the belt runs towards the side which first has contact with the steering idler.

Detailed and further assembly instructions for the belt control available on request.

plastics conveyor belt

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Belt guidance by V-ledge

from a belt speed of 0.4 m/s independently mounted V-belt pulleys should be used (unusual for rubber conveyor belts - see drawing). Generally, it is important to note that the belt speed for V-ledge types should not be selected too high. A guidance on a sliding table and not on the drums is recommended.
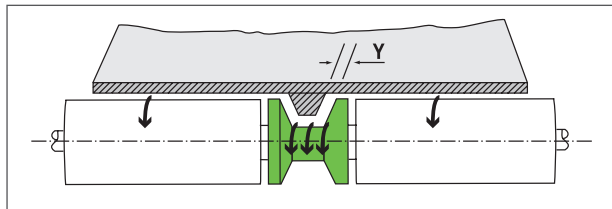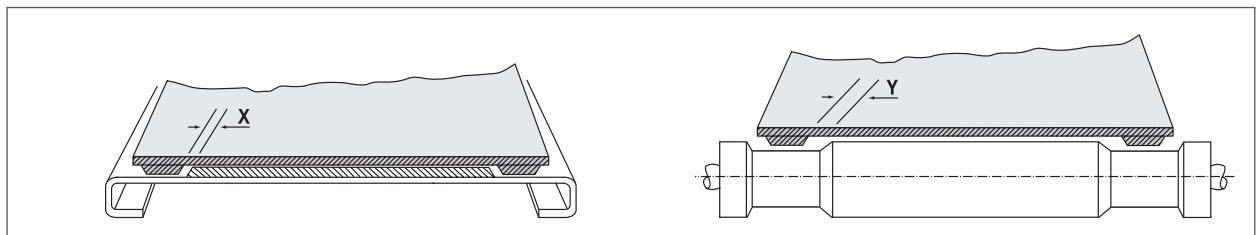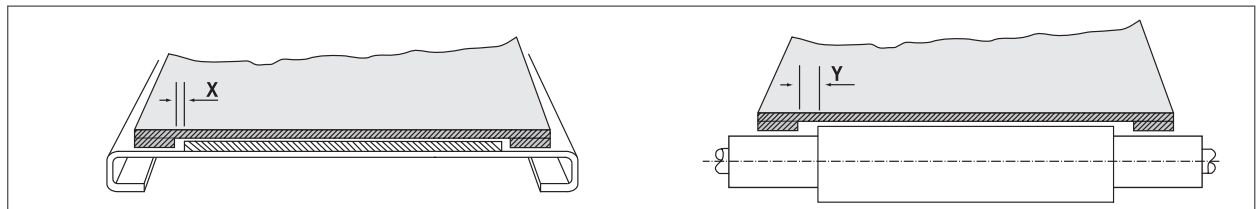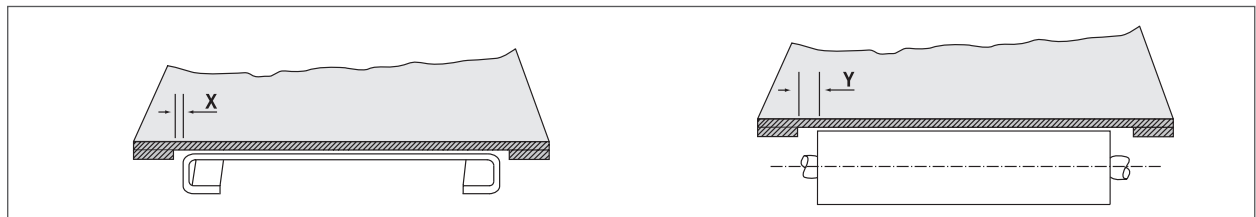

Independently mounted from remaining pulley body.
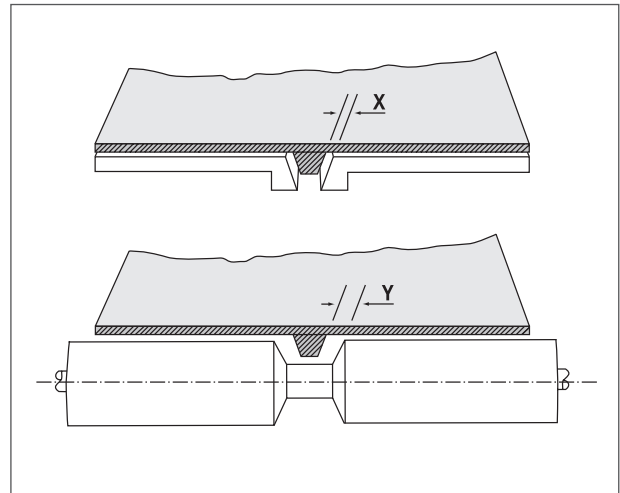
Sliding table and pulley design

belt width [mm]	X [mm]	Y [mm]
≤ 500	2	4
> 500 – ≤ 1000	3	5
> 1000	4	6

plastics conveyor belt