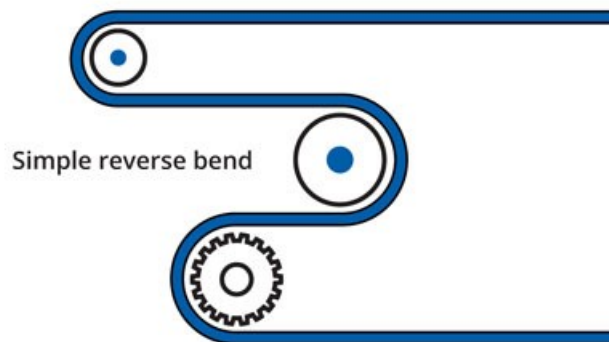


Reverse Bends

Take-up Rollers

Several of the typical conveyor layouts include one or more reverse bends. A reverse bend occurs when the belt flexes in the opposite direction from a transfer. Reverse bends are typically used to increase sprocket wrap or for take-ups.

It is good engineering practice to use the largest diameter possible for all changes in direction of belt path. This will decrease flexing of the wire strands and help prolong belt life. So, if a reverse bend must be used, we recommend the reverse bend diameter be at least 10 times the belt pitch.



Sprockets

Wire Belt Company standard sprockets are not designed to run in a reverse bend condition. The pitch of the belt changes in a reverse bend, so the belt mesh will not be properly engaged unless specially designed sprockets are used. If your application gives you no alternative but to drive the belts at a reverse bend, special sprockets must be specified by Wire Belt Technical Sales Team.