



GatesFacts™ Technical Information Library
Gates Compass™ Power Transmission CD-ROM version 1.2

The Gates Rubber Company
Denver, Colorado USA



Synchronous Belts Cord Twist

All synchronous belts are generally made with alternating S (right hand) and Z (left hand) twisted cords to neutralize tracking as much as possible. These cords are spiraled onto the building drum at the same time across the drum. Belts can be made-to-order with only S or Z twisted cords which may be necessary with some vertical shaft drives. This would help track the belt upward to overcome the gravitational, downward pull, such as with fin-fan drives.