

Comparison of Belt, Chain and Gear Drive

Particular	Belt Drive	Chain Drive	Gear Drive
Main Elements	Belt and Pulley	Chain and Sprocket	Gears
Suitability	It is used for large central distance	It is used for medium central Distance	It is used for short central Distance
Space Requirement	Large	Medium	Less
Cost	Less	Medium	High
Life	Less	Medium	High
Designing/Manufacturing Process	It is Simplest	It is Simple	It is Complicated
Possibility of slip	Slip May occur	No Slip (Positive Drive)	No Slip (Positive Drive)
Lubrication	Lubrication Not required	Lubrication is Required	Lubrication must be there
Example/Application	Some Automobiles, used as first drive in transmission	Bicycle, Automobiles	Machine tools, Automobiles