



Product Name	Friction Power Transmission		Synchronous Power Transmission	
	Flat Belts	Round Belts	Timing Belts	Chains
Usage, Picture				
Torque	Medium	Low	High	High
Speed	High	Medium	Low to High	Low-Medium
Efficiency	94-98%	92-97%	95-99%	91-98%
Advantages	<ul style="list-style-type: none"> - Flexible (serpentine and twisted drives) - Transmit torque over long distance - Various materials (polyurethane, rubber, stainless steel) and colors - No lubrication 	<ul style="list-style-type: none"> - Flexible (serpentine and twisted drives) - Soft belts (typically don't require additional tensioning) - No lubrication 	<ul style="list-style-type: none"> - Quiet compare to chains - Require less tension than other belts - No stretch - No lubrication - No slippage 	<ul style="list-style-type: none"> - Higher operating temp. than belts - Increased load capacity with multi-strand chains - Long operating life - No slippage
Drawbacks	<ul style="list-style-type: none"> - Creep and slip - High tension needed - Endless belts can't be repaired - Extreme temp. ranges, high moisture, oil, chemicals, etc can damage belts 	<ul style="list-style-type: none"> - Creep and slip - Endless belts can't be repaired - Extreme temp. ranges, high moisture, oil, chemicals, etc can damage belts 	<ul style="list-style-type: none"> - Tensioning - Vibrations - Endless belts can't be repaired - Extreme temp. ranges, high moisture, oil, chemicals, etc can damage belts 	<ul style="list-style-type: none"> - Noise - Require lubrication - Can elongate due to wear - Limited flexibility - Usually limited to lower-speed applications

Flat Belts / Pulleys



#HBPA
Flanged, Crowned, Press-fit Urethane



#HBG
Idlers for Flat Belts - Flanged, Crowned



#ROBA
Centering Groove, Crowned



#ROFC
Idlers for Flat Belts - Straight, Centering Groove, Crowned



#RBW
Economy, Straight, Crowned, Centering Groove



#RFW
Idlers for Flat Belts - Economy



#ROBW
Centering Groove, Crowned



#ROF1
Idlers for Flat Belts - Straight, Crowned, Centering Groove



#RWC
With Urethane, Centering Groove, Crowned



#RWBC
With Urethane, Centering Groove, Crowned



#HPCJ
Shaft Pulleys for Round Belts



#ROFA
Idlers for Flat Belts - Straight



#ROFW
Idlers for Flat Belts - Straight



#HBLT
Flat Belts - General Purpose



#FLTB
Flat Belts



Round Belts / Pulleys



#MBR
Pulleys for Round Belts - Setscrew



#MBRC
Pulleys for Round Belts - Clamping, U-Groove



#MBF
Idlers for Round Belts - Narrow



#MBG
Idlers for Round Belts - Wide



#MBWA
Pulleys for Round Belts - Double Grooves



#MBXA
Idlers for Round Belts - Double Grooves



#RNDB
Round Belts