

Flexible Drive System Feature Comparison Chart

Drive Type	No-Slip	No-Slide	E*P*S (Timing)		E*P*S HTD®	Chain	Round
Catalog Series and Pitch	F, F32- 32DP, F24C - .1309CP, FR - .1475CP, FL, FM, F20TS - 20DP, F25C - .250CP	F8B-40DP (.0816CP), F20B-.200CP, F37B-.375CP	EPS-A-.080CP, EPS-D-.200CP, EPS-J-.375CP	EPS-A-.080CP, EPS-D-.200CP, EPS-C-.0816CP (40DP)	EPS-F-3mm, EPS-G-5mm	EI-.1475CP EL25-.250CP	AF2-1/16"Thick AF3-3/32" Thick AF4-1/8 "Thick AF5-3/16" Thick AF6-1/4 "Thick
Body Material	Polyurethane	Polyurethane	Neoprene	Polyurethane	Neoprene	Stainless Steel	Polyurethane
Reinforcement	Stainless Steel or Aramid Fiber	Stainless Steel or Aramid Fiber	Fiber Glass	Polyester Fiber	Fiber Glass	—	None
Drive Both Sides of Bell	Yes ¹	No	No	No	No	Yes	Yes
Right Angle Drive	FS & FA ¹	No	No	No	No	No	Yes
Resistance to Dils and Chemicals	Stainless Steel - Excellent Aramid - Good	Stainless Steel - Excellent Aramid - Good	Good	No	No	No	Yes
Pulley to Pulley ³ Misalignment	Single Core - up to 5° Double Core - up to 1/10°	Up to 1/10°	Upto1/4°	Upto1/4°	Upto1/4°	No	Yes
Pulley Tooth Form	32DP- Involute 20DP, 24DP, .1475CP, .250CP- Precision Sprocket	Trapezoidal	Trapezoidal	Trapezoidal	HTD® Curvilinear	Precision Sprocket	Radius Groove
Abrasion Resistance	Excellent	Excellent	Good	Excellent	Good	Good	Excellent
Pulleys Mesh With Standard Spur Gears	32DP-Yes 20DP, 24DP- Option Available .1475CP, .250CP-No	No	No	No	No	No	No
Ability to Withstand Shock Loads	Fair	Fair	Limited	Good	Fair	Limited	Excellent
Temperature (°F)	-65 to+180 ⁴	-65 to+180 ⁴	-30 to +185	-65 to+180	-30 to+185	—	-40 to+180

Notes: **Note** ¹ Driving stainless steel reinforced belts on both sides, results in a reduction of belt life due to reverse bending.

Note ² Twisting of the belt may cause the belt to wear excessively and reduce belt life. Shafts at right angles require a center distance at least 5 1/2 times the larger pulley diameter.

Note ³ Misalignment of pulleys will cause abrasive wear on the belt and reduce belt life.

Note ⁴ Practical operating temperatures are -10°F to+140°F.