## Comparison of servo couplings on critical performance characteristics

Key: • Low • Low to Moderate • Moderate to High • High • Zero

	Torsional rigidity	Torsional strength	Maintenance required	Electrically isolating	Bearing loads	Inertia	Constant Velocity	Zero backlash	Cost	Angular misalignment	Parallel misalignment	Axial motion
Single beam, aluminum		0	No	No			Yes	Yes		•		0
Single beam, stainless steel	0	0	No	No	0	0	Yes	Yes	0	•		0
Multiple beam, aluminium		0	No	No	0	0	Yes	Yes	0	0	0	•
Multiple beam, stainless steel	0	0	No	No	0	•	Yes	Yes	0	0	0	•
Oldham, zero-backlash disk	0	0	Yes	Yes			Yes	Yes	0		0	
Oldham, compliant insert	0	0	Yes	Yes			Yes	No	0		•	
Curved, jaw coupling	0	0	Yes	Yes	0	0	Yes	Yes	0			
Bellows coupling, stainless steel	•	•	No	No	0		Yes	Yes	0			
Bellows coupling, nickel	•	0	No	No			Yes	Yes	0	•	0	0
Rigid coupling, aluminum	•	0	No	No	•	0	Yes	Yes		0	0	0
Single Disc coupling	0	0	No	No	0		Yes	Yes	0		0	
Double Disc coupling	•	•	No	Yes/No	0		Yes	Yes	0	0	0	0