

TELMA AXIAL™ vs FOCAL® COMPARISON



	Axial™	Axle Mounted Focal®
size	size is similar between Axial™ and Focal®	Focal® can be slightly wider than comparable Axial™ but is shorter than Axial™
weight	weight is higher for Axial™ due to shaft and bearings and also brackets	weight is lower for Focal® because there is no shaft or bearings
drive shaft length required	minimum length of the original drive shaft needs to be at approximately 9ft (≈100")	minimum length of the original drive shaft needs to be at approximately 3ft (≈36")
drive shaft modification	drive shaft modification requires shortening of one shaft and adding a slip and stub to second shaft so is much more expensive than focal (≈\$1000)	drive shaft modification only requires shortening of one shaft and no slip added so is much less expensive than Axial™ (≈\$100)
rpm limits	Axial™ has bearings with a speed limit that should not be exceeded	Focal® has no bearings so these limits do not apply
torque limits	Axial™ has a shaft with a torque limit that should not be exceeded	Focal® has no shaft so these limits do not apply
retrofit friendly	Axial™ can be installed on any chassis as long as there is sufficient space and drive shaft length	Focal® can only be installed on specific axles. Crossmember or brake chamber interference may be difficult to resolve
installation time	Axial™ time to install is approximately 20hrs due to frame drilling and bracket trimming if no air tank or other component relocation is needed	Focal® time to install is approximately 10hrs if no crossmember or brake chamber modification is needed
installation drawing requirement	chassis measurement and installation instructions are required to maintain acceptable industry standard driveline angles	no chassis measurement or installation drawing is needed for Focal® because installation does not significantly change OEM driveline angles
durability	Axial™ is installed higher in the chassis and between the frame rails so is less susceptible to damage from road salt and debris	Focal® mounted on the axle is more susceptible to road salt and debris
longevity	Axial™ bearings have a finite life and will need repair	Focal® may have corrosion problems long term due to road salt and closer proximity to the ground compared to axial
ease of repair	Axial™ must be removed and disassembled to replace bearings or coils	Focal® must be removed to repair the axle