

ABA Competitive Analysis



Features	Haldex S-ABA	Haldex AAI	Arivn Meritor (Rockwell)	Bendix®	Gunite	Crewson-Brunner	Haldex Advantage	Value to Customer
Manufactured	USA/ Sweden	USA/ Sweden	USA	China	USA	USA	Local production and engineering resources	Short lead time and responsiveness to customer needs
Reference Type	Control Arm	Control Arm	Linkage Pin	Linkage Pin	Linkage Pin	Linkage Pin	More flexible for full application coverage - No external linkage - Improved sealing of internal components	One supplier for full coverage reliability
Reference Flexibility	Yes	No	No	No	No	No	Reduces chances for installation errors	Reduced liability and downtime
Self-Setting	Yes	No	No	No	No	No	Quick, easy installation	Reduced downtime and maintenance costs
Adjustment Type	Clearance	Clearance	Stroke	Clearance	Clearance	Clearance	Keeps brakes in adjustment, not affected by deflection and thermal expansion	Optimal performance - Reduced risk for roadside inspection violations
Adjustment Characteristic	Very Gradual	Gradual	Fast	Fast	Gradual	Gradual	Consistent, precise adjustments for optimum lining-to-drum clearance	Optimal performance - Reduced risk for roadside inspection violations
Stroke Adjustment	Release	Release	Release	Application	Application	Release	More precise adjustments to reduce affects of deflection and thermal expansion	Optimal performance - Reduced risk for roadside inspection violations
Extreme Off-sets/Inclinations	Yes	Yes	No	No	No	Yes	Full application coverage	One source for all brake adjuster needs
Standard Warranty Period*	6-Year 1,000,000 mile	6-Year 1,000,000 mile	5-Year 500,000 mile	5-Year 500,000 mile	5-Year 500,000 mile	6-Year 1,000,000 mile	Longest warranty in the industry with less than 0.5% warranty rate	Reliability for optimal performance - Reduced risk for roadside inspection violations - Less downtime

*For on-highway trucks, tractors and trailers

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Warning: Haldex strongly recommends routine visual checks be performed at EACH maintenance service interval. Foundation brake operational checks utilizing CVSA level 1 applied stroke criteria should always be utilized. Manual adjustment of automatic adjusters can disguise hidden problems within the foundation brake. Brake components such as s-cams, bushings, return springs, actuators, drums and adjuster installation MUST be within manufacturer's specifications. Adjuster control arms, wear bushings or attaching hardware that demonstrate visual damage, or which fail the operational checks, MUST be replaced immediately. Automatic Adjusters should NEVER be operated as manual adjusters except as may be necessary to get the vehicle off the road for service.