



- 1 One-piece Seamless Axle Tube**
- 2 Patented Spindle Forming Process with Integral Seal Journal**
- 3 Quenched & Tempered Beam**
- 4 Hardened Bearing Journals**
- 5 Rolled Threads**
- 6 Heat-treated Camshaft Journals**
- 7 Robotically Welded Brackets**
- 8 Industry-standard Brake Hardware**
- 9 Integral ASA Bracket**
- 10 Extended Service Premium OE Friction**
- 11 Precision-machined S-cam**

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TRAILER AXLE: 16.5" Brake Series

COMPARISON CARD

	FEATURE	AXN	BRAND "M"	AXN ADVANTAGE
STRUCTURAL	BEAM TUBE	Seamless, Quench & Tempered	Seamwelded, Quench & Tempered	<ul style="list-style-type: none"> ▶ No welded seam that affects structural integrity ▶ No weld porosity issues for tire inflation systems
	CONSTRUCTION	One-Piece Beam & Spindle	Welded Collar (tapered)	▶ Higher fatigue life
	RELATIVE FATIGUE LIFE *	1.46 2.5 200	1 1 1	<ul style="list-style-type: none"> ▶ Greater vertical fatigue life ▶ Greater side skid fatigue life ▶ Greater brake chamber bracket fatigue life
	PAINTING	Long Salt Spray Resistance	Short Salt Spray Resistance	▶ Superior process, performance and longevity
BRAKING SYSTEM	SPIDER	Proven Light-weight Stamped	Same	▶ Parity
		Post-weld Machining	No Machining	<ul style="list-style-type: none"> ▶ Optimal shoe/drum alignment ▶ Better brake performance and life
	SHOES	Induction Hardened Slots	Induction Hardened Slots	▶ Parity
		E-Coated	Spray Coated	▶ Better resistance to "Rust Jacking"
		Standard Extended Service	Optional Extended Service	▶ Standard longer life
	LININGS	Premium, Proprietary	Purchased	▶ Excellent lining performance, good drum wear and consistent performance
	CHAMBER BRACKETS	Robust C-channel	Thin V-shape Stamping	▶ Less Deflection with Better Slack Adjuster Performance
	CAMSAFT BUSHINGS	Oil Sintered Bronze	Oil Sintered Bronze	▶ Proven Long Life Performance - Parity
		Integral ASA Bracket	Integral ASA Bracket Not available	▶ Easier installation for Haldex™ ASA - Lower cost
		Integrated Spider Bushing	Integrated Spider Bushing (Opt: Bolt-On bushing housing)	▶ Parity - Both styles allow for cam replacement without hub removal
	CAMSHAFTS	Precision-machined S-cam	Forged S-cam	▶ Better brake performance and longevity
		Induction Hardened Splines	Induction Hardened Splines	▶ Parity
Induction Hardened Journals		Induction Hardened Journals	▶ Parity	
WHEEL END	SPINDLE	Induction-hardened Inner and Outer Journals (N- and P-series)	Induction-hardened Inner Journal only on Parallel Spindle	▶ Less wear, longer life on parallel spindle
	SPINDLE THREADS	Rolled	Rolled	▶ Parity
	INTERNALLY VENTED	Yes	Yes	▶ Parity

* Based on 22.5K load, 77.5" track, tapered spindle, short cams