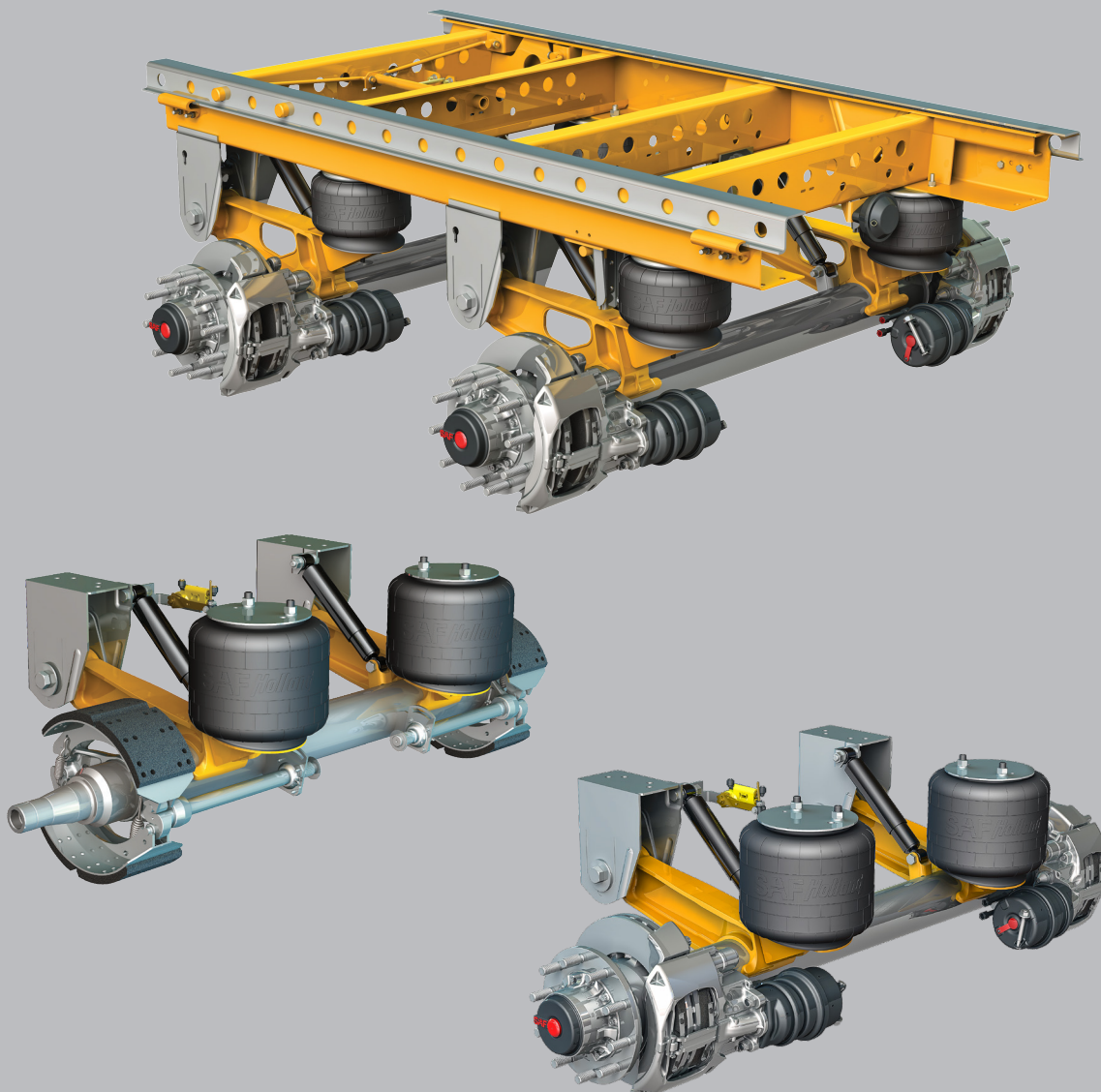


Certificate of Compliance

Air Actuated Brakes

■ North America



Brake Certifications Annotation

The Federal Motor Vehicle Standards state that the original equipment manufacturer (OEM) is responsible for compliance to the Federal Motor Vehicle Safety Standard (FMVSS)-121 for air actuated brakes. In the United States, OEMs are self-certifying to this standard. In Canada, test data must be submitted to Transport Canada either directly or indirectly through the Canadian Transport Equipment Association's (CTEA) brake database which is available to CTEA members only.

To assist our customers, SAF-HOLLAND® supplies this Consolidated Certificate of Compliance for use with SAF® suspension / axle / brake systems. In the following tables, SAF® provides data to show compliance to FMVSS-121 requirements. For our Canadian customers who must also provide parking test compliance details to Transport Canada, FMVSS/CMVSS-121 parking data is available upon request for the noted items in the tables. This information is part of the CTEA database. Additional certifications can be obtained by contacting SAF-HOLLAND® brake engineering for an application specific approval.

Table Definitions

BRAKE MODEL

Brake model, size (drum diameter and shoe width) and Friction Materials Standards Institute (FMSI) code for the brake shoe.

LINING

Lining manufacturer's name and lining formula designation.

BRAKE RATING

The lowest and highest Gross Axle Weight Rating (GAWR) in pounds for the given lining certification.

The given certification is valid at any GAWR at or between the two stated values.

CHAMBER SIZE

The size of the air chamber required to meet the certification for the given lining certification.

Example: 30 / 30 – The first number is the service chamber area and the second is the parking chamber area both provided in square inches.

The rated stroke is listed in [brackets].

ADJUSTER LENGTH

The brake adjuster in inches required to meet the certification for the given lining certification.

Note: There may be splits between a given GAWR and the slack length necessary to satisfy the certification.

TIRE SLR

The lowest and highest static loaded radius (SLR) for the tires in inches for the given lining certification.

Note: There may be splits between a given GAWR and the tire SLR range necessary to satisfy the certification.

16.5" x 7" SAF® Brake Certificate of Compliance

The table below certifies that the SAF® suspension / axle / brake system described complies with the current revision of DOT 49 CFR 571.121 and Canadian Motor Vehicle Safety Standards, Service Brakes, Section S5.4, and Parking Brakes, Section S5.6.1, when equipped as stated. For additional certifications not listed below, contact SAF-HOLLAND® brake engineering for an application specific approval. Testing was performed on 112 lb. cast drums.

BRAKE MODEL	LINING	BRAKE RATING (POUNDS)	WHEN USED WITH:		
			CHAMBER SIZE	ADJUSTER LENGTH	TIRE SLR
SAF® 16.5" x 7" Extended Service (F.M.S.I. 4707)	MAT HD CREST XL 9	17,000 - 20,000	30 / 30 [2.5" or 3" Stroke]	5.5"	18.5" - 21.0"
	MAT HD VISTA HP 9	17,000 - 23,000			

16.5" x 8.625" SAF® Brake Certificate of Compliance

The table below certifies that the SAF® suspension / axle / brake system described complies with the current revision of DOT 49 CFR 571.121 and Canadian Motor Vehicle Safety Standards, Service Brakes, Section S5.4, and Parking Brakes, Section S5.6.1, when equipped as stated. For additional certifications not listed below, contact SAF-HOLLAND® brake engineering for an application specific approval. Testing was performed on 123 lb. cast drums.

BRAKE MODEL	LINING	BRAKE RATING (POUNDS)	WHEN USED WITH:		
			CHAMBER SIZE	ADJUSTER LENGTH	TIRE SLR
SAF® 16.5" x 8.625" Extended Service (F.M.S.I. 4711)	MAT HD CREST XL 9	17,000 - 20,000	30 / 30 [2.5" or 3" Stroke]	5.5"	18.5" - 21.0"

Air Disc Brake Certificate of Compliance

The table below certifies that the SAF® suspension / axle / brake system described complies with the current revision of DOT 49 CFR 571.121 and Canadian Motor Vehicle Safety Standards, Service Brakes, Section S5.4 and Parking Brakes, Section S5.6.1 when equipped as stated. For additional certifications not listed below, contact SAF-HOLLAND® brake engineering for an application specific approval.

BRAKE MODEL	BRAKE ROTOR	LINING	BRAKE RATING (POUNDS)	WHEN USED WITH:	
				CHAMBER SIZE	TIRE SLR
Knorr SK7	SAF-HOLLAND® 430 mm Rotor	Jurid 539 (FF29)	17,000 - 20,000	16 / 24	18.5" - 21.0"
			17,000 - 23,000	18 / 24	
SAF-HOLLAND® SBS-2220-KO		SAF 617 A15	17,000 - 20,000	16 / 24	
			17,000 - 23,000	18 / 24	

Air Disc Application Important Information

WHEEL AND VALVE STEM PACKAGING

Serious attention must be given in selecting combinations of wheel and valve stem products that are compatible with air disc brakes. OEM customers must review wheel-end and valve stem packaging with the disc brake caliper to confirm adequate running clearances. Refer to SAF® Approved Wheel document, XL-SA10070WI-en-US, for valid wheel-end and valve stem combinations. Document can be found on our website at www.safholland.us.



From fifth wheel rebuild kits to suspension bushing repair kits, SAF-HOLLAND Original Parts are the same quality components used in the original component assembly.

SAF-HOLLAND Original Parts are tested and designed to provide maximum performance and durability. Will-fits, look-alikes or, worse yet, counterfeit parts will only limit the performance potential and could possibly void SAF-HOLLAND's warranty. Always be sure to spec SAF-HOLLAND Original Parts when servicing your SAF-HOLLAND product.

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