



AEROQUIP INNOVATIONS

1531/1531A

FLEXIBLE, LOW-TEMPERATURE AIR BRAKE HOSE QUALIFIED FOR RAILROAD APPLICATIONS

Aeroquip 1531/1531A hose has been qualified to the Association of American Railroads (AAR) Standard M-618. Qualified are sizes -10, -12, -16, -20 and -24.

During qualification testing, Aeroquip 1531/1531A hose passed cold testing at -65°F—that's 15 degrees higher than the published minimal requirement for flexible plumbing. This capability is the result of the hose's low-temperature tube and cover compounds—Aeroquip exclusives—which ensure safe operation and extreme flexibility.

In addition to meeting cold test requirements without failure, Aeroquip 1531/1531A hose also withstood dynamic impulse testing at -65°F. Results of this testing prove the hose offers flexibility and dynamic service in the field down to that temperature rating.

Applications

Flexible air brake piping on railcars has several applications for 1531/1531A hose assemblies, including:

- Truck-mounted brakes
- Empty/load-door operators
- Articulated joint connections
- Branch pipe tees
- Intermediate and train lines



Features

- Exceeds AAR M-618 requirements
- Qualified with M-927 reusable fittings (male pipes and flange ends)
- Offers flexibility even at -65°F
- Sustains bending at -65°F, even after long-term exposure at +212°F
- Designed with an embossed layline for easy identification
- Constructed with a braided reinforcement for minimal twisting



Benefits

- Easier installation
- Neater installation
- Hose is less likely to kink



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1531/1531A

Railroad air brake

Meets AAR-M618 standards



Part Number	Hose I.D. Nominal	Hose O.D.	Maximum Operating Pressure	Minimum Burst Pressure	Minimum Bend Radius	Average Weight
	INCHES	INCHES	PSI	PSI	INCHES	LBS/FT
#						
1531-10	1/2	0.906 to 0.968	300	1200	5.50	0.38
1531-12	5/8	1.093 to 1.156	300	1200	6.50	0.48
1531-16	7/8	1.343 to 1.406	300	1200	7.38	0.72
1531-20	1 1/8	1.594 to 1.656	300	1200	9.50	0.78
1531A-24	1 3/8	1.843 to 1.906	300	1200	10.50	1.04

Construction: Oil-resistant synthetic elastomer inner tube. Sizes -10 and -12 are reinforced with a carbon steel wire-braid positioned between two textile braids. Sizes -16, -20 and -24 feature two carbon steel wire braids and a textile braid. Oil, weather, and abrasion-resistant synthetic elastomer outer cover. Hose is embossed per AAR Regulation M-618.

Operating Temperature Range: -65°F to +212°F (-54°C to +100°C)

Agency Listings: Hose meets all physical requirements of the Association of American Railroads Standard M-618.

Fittings for 1531/1531A Hose

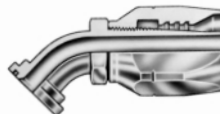
MEETS AAR M-927 STANDARDS

Two-piece, zinc-plated, carbon steel reusable fittings



Male Pipe Fittings

Hose Size	Nipple Part Number	Socket Part Number
-10	1236-8-10S	1219-10S
-12	1236-8-12S	1219-12S
-12	1236-12-12S	1219-12S
-16	1236-12-16S	1219-16S
-16	1236-16-16S	1219-16S
-20	1236-16-20S	1219-20S
-20	1236-20-20S	1219-20S
-24	1236-16-24S	1219-24S
-24	1236-20-24S	1219-24S



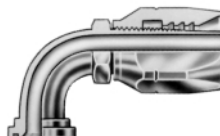
45° Swivel Flange Fittings

Hose Size	Nipple Part Number	Socket Part Number
-20	FJ4709-1620S	1219-20S
-24	FJ4709-2024S	1219-24S



Straight Swivel Flange Fittings

Hose Size	Nipple Part Number	Socket Part Number
-16	FJ4649-1216S	1219-16S
-20	FJ4649-1620S	1219-20S
-20	FJ4649-2020S	1219-20S
-24	FJ4649-2024S	1219-24S



90° Swivel Flange Fittings

Hose Size	Nipple Part Number	Socket Part Number
-16	FJ4650-1216S	1219-16S
-20	FJ4650-1620S	1219-20S
-24	FJ4650-2024S	1219-24S



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Specifications subject to change without notice