

.....

Air Hose Assemblies & Fittings Pocket Guide

.....



Engineered to Outperform

E2O

NEW YORK AIR BRAKE

www.nyab.com



E₂O: proven best performing

M-601

End-of-Car Hose Assemblies

- E₂O:** proven 8 years service life
- E₂O:** remain flexible -55° to 176° F
- E₂O:** faster system recharging
- E₂O:** airtight crimp connections
- E₂O:** constructed in USA

M-618

Specialty Hose Assemblies

- E₂O:** 8-year workmanship guarantee
- E₂O:** perform well in -50° to 212° F
- E₂O:** deliver improved airflow
- E₂O:** withstand high vibration
- E₂O:** max operating pressure 300 psi

New York Air Brake offers our AAR freight railroad customers durable hose assemblies that are Engineered to Outperform (E₂O) all other assemblies available.

◀ E₂O innovations in air hose brake design, materials and manufacturing result in superior performance – in airflow, leak resistance, abrasion resistance and ease of application.

Superior Products

Outstanding Value

New York Air Brake is the value leader for railway hose assemblies and fittings, offering high quality, innovative products and dependable customer support services. We offer the most competitive prices in the industry as a result of our efficient supply and manufacturing systems, supplier teaming, and continuous product improvements. Our hose assemblies are backed by an eight-year warranty and by our guarantee of customer satisfaction. NYAB makes doing business easy, with fast, responsive service.

Customer Service

We provide technical assistance to help you specify all types of custom hose assemblies and fittings for your application – call us. See page vi for engineering application guidelines. NYAB is committed to assembling and shipping custom orders made from stock components in 48 hours.

Easy Ordering

You make the call, or e-mail us, hose@nyab.com – and we'll do the rest. We've made ordering as easy as dialing our toll-free number, 1-888-TEN-NYAB (1-888-836-6922). Or visit our website at www.nyab.com to view NYAB's online catalog, featuring our complete product line.

See our easy ordering guidelines on pages 70 - 75.

Safety First

New York Air Brake thoroughly understands how air brakes perform in the field because we've been developing, testing, and manufacturing train control systems for a long time. Our commitment is to safety first.

High-pressure air brake systems must be handled with great care and attention to safety. Make sure you follow AAR recommendations and your company's safety rules when installing or replacing any air hose component on a rail car, and remember to:

- **Wear safety glasses and appropriate safety equipment when installing or removing hose assemblies.**
- **Depressurize the hose assembly before removing or disconnecting it.**
- **Use only hoses meeting the AAR requirements for that application.**
- **Tighten flange connections and NPT connections to the specified torque.**
- **Inspect and test the car per the applicable AAR Single Car Test after all service.**

Table of Contents

General Information

Superior Products.....	ii
Safety First	iii
Innovation and Quality.....	vi
Technical Specifications Data	viii
Hose Installation	xii

Car Hose Assemblies

Hose Construction Features.....	2
End of Car Assemblies	4
Threaded Intermediate Assemblies.....	6-10
Flanged Assemblies	12-15
Elbow Flanged Assemblies.....	16-17
Swivel Flanged Assemblies	18-23
Door Air / Gladhand Door Air Assemblies	24-25
Test Air / Articulated Joint Assemblies.....	26-27

Locomotive Hose Assemblies

Railroad Gladhand	30-33
Standard Trainline Assemblies.....	34-35
Main Reservoir	36-37
Actuating, Application, Release and Sanding.....	36-37

Adapters, Fittings, Accessories

Adapters	40-47
Test Fittings.....	48-51
Dummy Fittings	52-53
Fittings.....	54-67
Accessories.....	68-69

Featured Products

COLD LOC Wide-Lip Gasket	5
Brake Cylinder Pressure Measurement Tap	11
LOC TAB II Locking Gladhand	31
Hi-Flo Gladhand	33
Hose Hanger Support	45
Radial Crimp Ferrule for M-618	46
90-Degree Sweep Elbow	68

Ordering Information

Ordering Guidelines	71-75
Hose Assembly Worksheet.....	72-75

E₂O: eight-year warranty



M-601 End-of-car hose assemblies feature Premtec hoses, HI-FLO® gladhand fittings, COLD LOC™ Wide-Lip Gaskets, and easy lock hanger supports.

New York Air Brake supplies a wide selection of end-of-car air brake hose assemblies, specialty hoses, components, and fittings that deliver improved airflow, more reliable connections, and longer life. We go to extreme lengths to build quality into our products. As a result of our comprehensive design, test, and manufacturing quality controls, our air hose assemblies are backed by an eight-year warranty.

M-618 custom specialty hoses (see page 6) are assembled by Premtec with AAR approved M-618 hose, meet the M-619 specification and feature AAR approved M-927 fittings. Custom specialty hoses, with reusable or crimped fittings in a variety of styles for all car and locomotive applications, are available in 48 hours.

M-601 end-of-car assemblies, using Premtec hoses which exceed AAR M-601 specifications for twist, burst, and adhesion, and remain flexible to minus 55° F, are available exclusively from NYAB. End-of-car hose assemblies are radially crimped to gladhands, providing the most secure, airtight connection available.

HI-FLO gladhand fittings (page 33), available exclusively from NYAB, are proven to have 55 percent more pull-apart resistance, and increase air signal propagation by 9 percent.

COLD LOC Wide-Lip Gaskets (page 5), available exclusively from NYAB, provide 120 percent more gladhand sealing surface area. Pull-apart resistance is increased 200 percent over standard gaskets. Our Wide-Lip Gaskets are available on all NYAB M-601 hose assemblies.

NYAB's **90-degree sweep elbow** (page 68) responds to AAR field manual rule 4.E.5 and circular letters C-9235, C-9244 and C-9265, which disallow the use of two 45-degree street elbows between the angle cock and intermediate hose.

NYAB's **hose hanger support** is available exclusively from NYAB. This new woven nylon fabric cable hanger support (page 45) is AAR approved, will not sag, and is the easiest hose support system in the industry to install and adjust, even wearing gloves in cold weather.

LOCTAB® II (page 31) is field proven and increases resistance to rotational hose uncoupling from vertical forces by 400 percent over conventional gladhands. LOCTAB® II is compatible with all AAR approved gladhands.

Brake Cylinder Pressure Measurement Tap 45° flanged insert (page 11) is the solution to AAR circular letters C-9567, C-9613, and the field manual rule 3.B.9 requirement for reading brake cylinder pressure during single car testing on cars not originally equipped with a brake cylinder pressure measurement tap.

Technical Specifications Data

M-601 end-of-car standard hose is specifically designed for brake pipe applications. For other special car and locomotive hose applications, use M-618 custom specialty hose.

M-601 Construction

The hose inner tube is an oil-resistant synthetic elastomer, reinforced with 3-ply, 20-ounce polyester fabric. The outer cover is an oil, weather, and abrasion-resistant synthetic elastomer. Hoses are embossed per AAR specification M-601. See page 2 for an illustration of hose construction details.

M-618 Construction

The hose inner tube is an oil-resistant synthetic elastomer. 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. The outer cover is an oil, weather, and abrasion-resistant synthetic elastomer. Hoses are embossed per AAR specification M-618. See page 2 for an illustration of hose construction details.

Operating Temperature Ranges

M-601: -55° F to +176° F (-48° C to +80° C)

M-618: -50° F to +212° F (-46° C to +100° C)

Electrical Conductivity

Do not use NYAB hose assemblies for electrical isolation or conductivity. M-601 or M-618 hose assemblies are not engineered to provide predictable electrical characteristics. NYAB retains the right to change the construction methods, which might alter the electrical characteristics, without notice.

Warning: because the NYAB AAR M-618 hose has a wire braid reinforcement construction, it could conduct electricity when exposed to high voltage.

Fluid Compatibility

NYAB hoses are designed for use in railroad pneumatic (air) applications. We engineer our M-601 and M-618 hoses to be compatible with exposure to AAR approved air brake oil greases and fuel oil. Call us for technical assistance if hoses will be used with other fluids.

NYAB AAR M-601 Trainline Hose

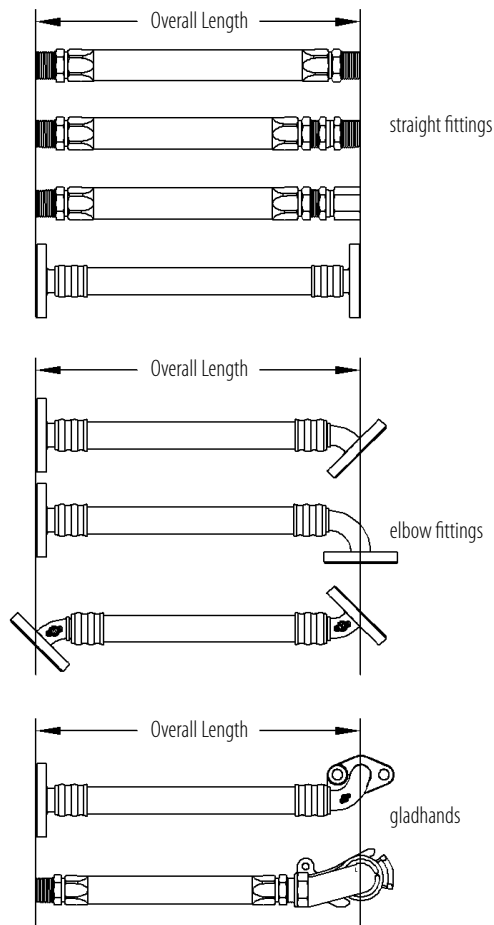
Hose OD	Hose ID	Max Operation Pressure	Min Burst Pressure	Min Coupling Pull-off Force	Min Bend Radius
Inches	Inches	PSI	PSI	Lbs.	Inches
1.375-1.438	2.063-2.125	140	1000	2800	9.0

NYAB AAR M-618 Hose

Dash Number	Hose OD	Hose ID	Max Operation Pressure	Min Burst Pressure	Min Bend Radius	Average Weight
-10	1/2	0.906-0.908	300	1200	5.5	0.38
-12	5/8	1.093-1.156	300	1200	6.5	0.48
-16	7/8	1.343-1.406	300	1200	7.38	0.72
-20	1-1/8	1.594-1.656	300	1200	9.50	0.78
-24	1-3/8	1.843-1.906	300	1200	10.50	1.04

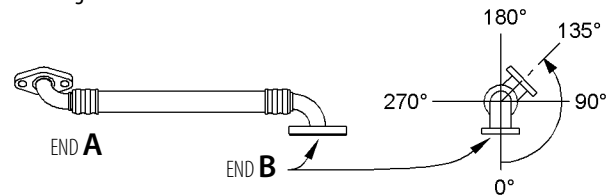
Measuring Overall Length

Select hose assemblies in accordance with the AAR M-927 specifications illustrated below. Measure overall length from the centerline of the fitting opening.



Measuring Offset

Specify offset by measuring the number of degrees between the fittings in a counter-clockwise direction, with end "B" the fitting closest to you. The hose in the example below has an offset of 135 degrees.



Manufacturing Length Tolerance

Hose tolerance is +/- 1/4" of specified length.

Hose Length

Select the hose length so that at the minimum range of motion between the two ends of the hose, the hose bend radius, is no less than the specified minimum for that size and construction of hose, and so that at the maximum range of motion between the two ends of the hose, there is sufficient slack to prevent the hose from being subjected to a tensile load. Specify the correct hose length for each application and never connect two gasketed flanges.

M-618 Overall Hose Length is expressed in inches and in this format as in the following example:

Hose # - OAL 778950-0262

$$-0262 = 26-1/4"$$

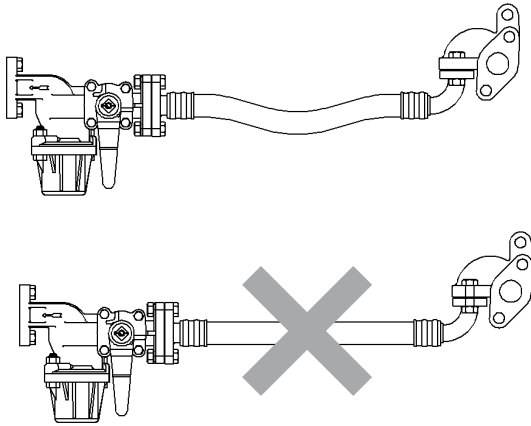
↑ Inches ← 1/8 Inches

Hose Installation

Twist

Twist resulting from an inappropriate installation may reduce the working life of the hose. Specify the orientation of the hose fittings to minimize axial twist of the hose. To confirm that the hose is not twisted in the application, observe that the layline marking on the hose is straight after installation.

Caution: *Hose applications with motion on both ends are subject to twist. Hoses must be installed so that the relative motion of the two hose ends produces bending rather than twisting.*



Kinking

Kinking can occur if the hose bend radius is less than the specified minimum bend radius for that size and construction of hose, and may result in blockage of the hose.

Airflow

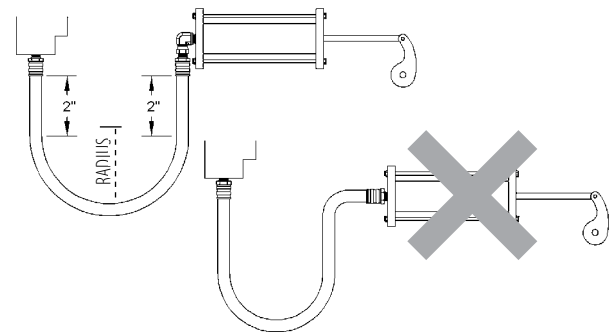
The maximum airflow in a hose is proportional to the inside diameter of the hose. A larger hose will allow more air to flow, with less pressure loss, than a smaller one. To prevent undesired pressure loss, the inside diameter of the hose should be no smaller than the connecting pipe, unless allowed otherwise by an applicable AAR specification. Design the hose with a minimum of bends in the air path. Bends in the hose and angle fittings will also restrict the flow of air and can result in undesired pressure loss.

Abrasion

Position hoses to avoid rubbing or abrasion that could result in premature hose failure. Use an external guard for hose installations where rubbing cannot be avoided. Guards are available on any custom hose assembly (see page 40).

Bend Radius

The bend radius of the hose must be no less than the specified minimum bend radius for that size and construction of hose – see the specification chart on page ix for details. Avoid sharp bends by using the correct fittings. To avoid stressing the hose, the hose bend must start more than two inches from the fitting, as illustrated below.



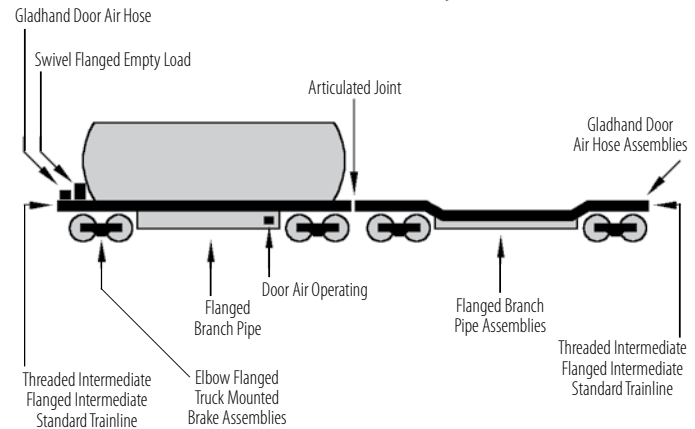
Reference

For more information on hose installation, refer to the publication SAE J1273, "Selection, Installation, and Maintenance of Hose Assemblies."

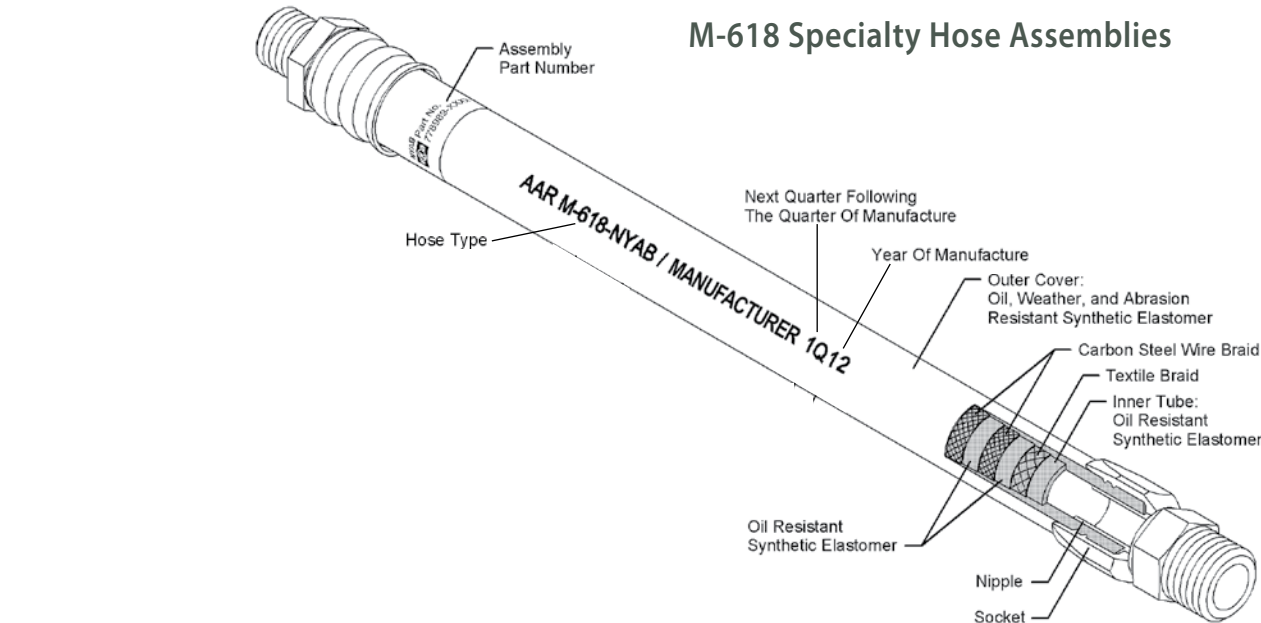
Car Hose Assemblies

Hose Construction Features.....	2
End of Car Assemblies.....	4
Threaded Intermediate Assemblies.....	6-10
Flanged Assemblies.....	12-15
Elbow Flanged Assemblies.....	16-17
Swivel Flanged Assemblies.....	18-23
Door Air / Gladhand Door Air Assemblies.....	24-25
Test Air / Articulated Joint Assemblies.....	26-27

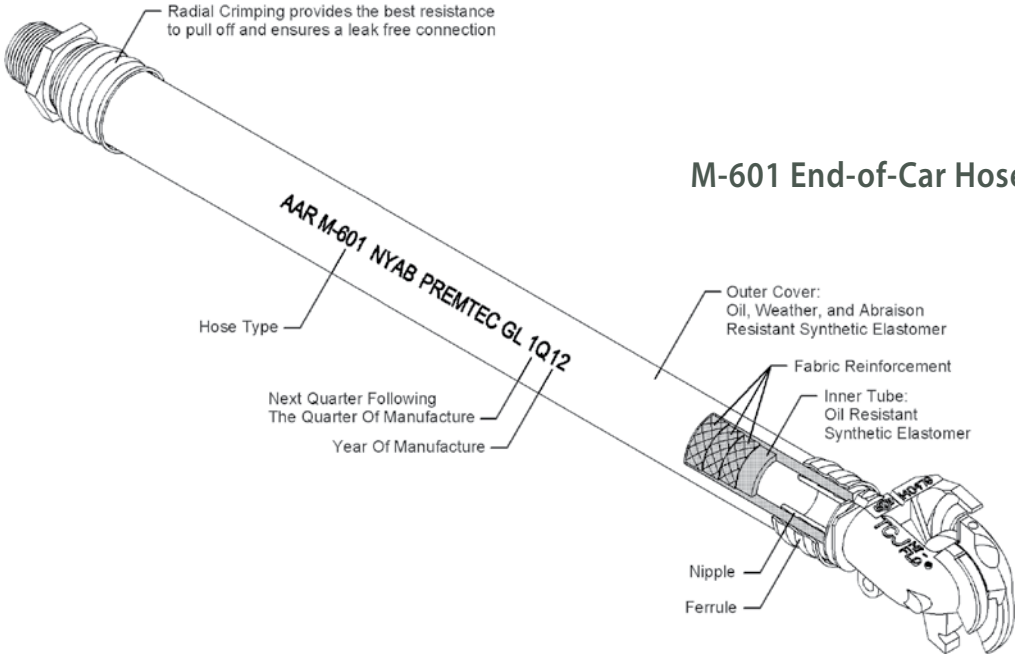
Car Hose Assembly Locations



M-618 Specialty Hose Assemblies



M-601 End-of-Car Hose Assemblies

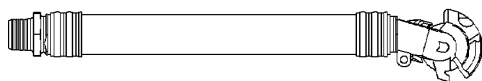


Type AAR M-601

Typically used for connecting a threaded component such as a cut-out cock to a threaded trainline hose support.

FP5 15° Gladhand x 1-1/4" Male Pipe Thread

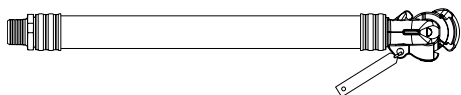
Part Number: 705880



NYAB	Description	Gladhand
705880	22" Std Gasket	15 degree
705881	33" Std Gasket	15 degree
777359	14.25" Std Gasket	15 degree
778770	22" Wide-Lip Gasket	15 degree
778771	33" Wide-Lip Gasket	15 degree

FP5 0° Gladhand x 1-1/4" Male Pipe Thread

Additional lengths available upon request.



NYAB	Description	Gladhand
781668	22" Std Gasket	0 degree
787723	22" Wide-Lip Gasket	0 degree

Gladhand Replacement Gaskets

NYAB	Description
739882	Std Gasket
777264	Wide-Lip Gasket



COLD LOC Wide-Lip Gasket

- **Wider sealing surface**
 - Better cold temperature sealing
 - Compensates for poor alignment
- **Improved rotational resistance**
 - Resists unintended hose separation
- **Easier to install**

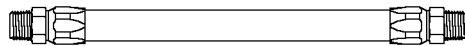
Our **Wide-Lip Gaskets** are available on all NYAB M-601 hose assemblies.

Type AAR M-618 with Reusable Fittings

Typically used for connecting a threaded component such as a cut-out cock to a threaded trainline hose support.

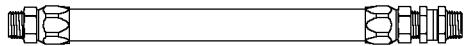
1-1/4" Male Rigid x 1-1/4" Male Rigid

M-618, -24 size Part Number: 778812-xxxx



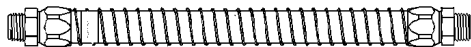
1-1/4" Male Rigid x 1-1/4" Male Swivel

M-618, -24 size Part Number: 778813-xxxx



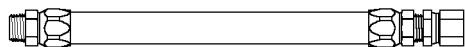
1-1/4" Male Rigid x 1-1/4" Male Rigid w/Coil Guard

M-618, -24 size Part Number: 779485-xxxx



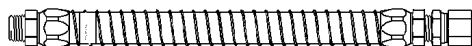
1-1/4" Male Rigid x 1-1/4" Female Swivel

M-618, -24 size Part Number: 778814-xxxx



1-1/4" Male Rigid x 1-1/4" Female Swivel w/Coil Guard

M-618, -24 size Part Number: 779486-xxxx

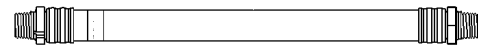


Type AAR M-618 with Crimped Fittings

Typically used for connecting a threaded component such as a cut-out cock to a threaded trainline hose support.

1-1/4" Male Rigid x 1-1/4" Male Rigid

M-618, -24 size Part Number: 779308-xxxx



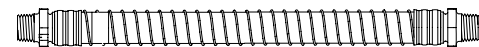
1-1/4" Male Rigid x 1-1/4" Male Swivel

M-618, -24 size Part Number: 779309-xxxx



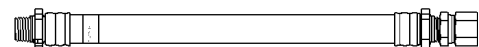
1-1/4" Male Rigid x 1-1/4" Male Rigid w/Coil Guard

M-618, -24 size Part Number: 780095-xxxx



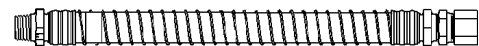
1-1/4" Male Rigid x 1-1/4" Female Swivel

M-618, -24 size Part Number: 779310-xxxx



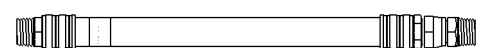
1-1/4" Male Rigid x 1-1/4" Female Swivel w/Coil Guard

M-618, -24 size Part Number: 780096-xxxx



1" Male Rigid x 1" Female Swivel

M-618, -24 size Part Number: 781283-xxxx



Refer to pages 30-69 for information on available fittings.

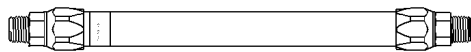
Type M-618 with Reusable Fittings

Typically used for connecting a threaded component such as a cut-out cock to a threaded trainline hose support.

1" Male Rigid x 1" Male Rigid

M-618, -20 size

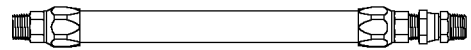
Part Number: 779778-xxxx



1" Male Rigid x 1" Male Swivel

M-618, -20 size

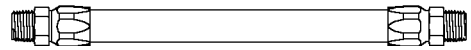
Part Number: 778646-xxxx



1" Male Rigid x 1" Male Rigid

M-618, -16 size

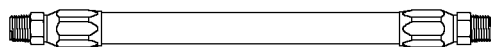
Part Number: 778989-xxxx



1/2" Male Rigid x 1/2" Male Rigid

M-618, -12 size

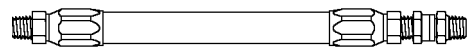
Part Number: 779072-xxxx



1/2" Male Rigid x 1/2" Male Swivel

M-618, -12 size

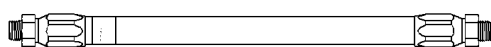
Part Number: 778990-xxxx



3/4" Male Rigid x 3/4" Male Rigid

M-618, -12 size

Part Number: 781356-xxxx



3/4" Male Rigid x 3/4" Male Rigid w/Coil Guard

M-618, -12 size

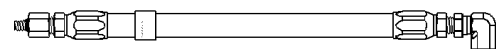
Part Number: 781357-xxxx



1/4" Male Pipe Thread x 1/2" 90° Female Swivel

M-618, -12 size

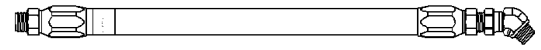
Part Number: 779905-xxxx



1/2" Male Pipe Thread x 3/8" 45° Male Swivel

M-618, -12 size

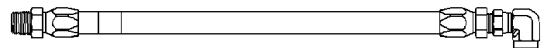
Part Number: 780145-xxxx



1/2" Male Rigid x 3/8" 90° Male Swivel

M-618, -10 size

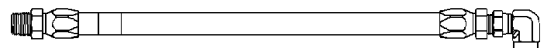
Part Number: 779694-xxxx



1/2" Male Rigid x 1/2" 90° Male Swivel

M-618, -10 size

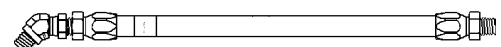
Part Number: 779695-xxxx



1/2" Male Rigid x 1/2" 45° Male Swivel

M-618, -10 size

Part Number: 781714-xxxx



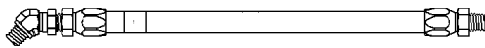
Type M-618 with Reusable Fittings

Typically used for connecting a threaded component such as a cut-out cock to a threaded trainline hose support.

1/2" Male Rigid x 3/8" 45° Male Swivel

M-618, -10 size

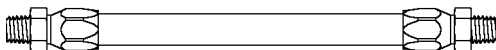
Part Number: 781713-xxxxy



1/2" Male Rigid x 1/2" Male Rigid

M-618, -10 size

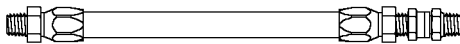
Part Number: 778644-xxxxy



1/2" Male Rigid x 1/2" Male Swivel

M-618, -10 size

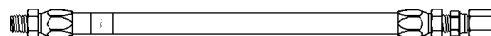
Part Number: 778987-xxxxy



1/2" Male Rigid x 1/2" Female Swivel

M-618, -10 size

Part Number: 779532-xxxxy



Brake Cylinder Pressure Measurement Tap 45° Flanged Insert Style

- Design provides improved visibility of brake cylinder test gauge
- Improves access to the quick disconnect fitting, making it easier to positively attach and remove the brake cylinder test gauge
- Flanged style saves time and money compared to installation of socket-type pressure measurement taps
- Quick disconnect fitting is self-sealing to prevent leakage, with filtration and a plastic end cap to prevent contamination
- Environment-friendly zinc plating protects against corrosion

Refer to pages 30-69 for information on available fittings.

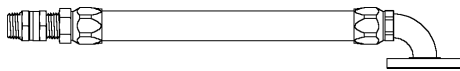
Type AAR M-618 with Reusable Fittings

Typically used for connecting a threaded component such as a cut-out cock to a flanged trainline hose support.

1-1/4" Male Swivel x 1-1/4" 90° Swivel Flange

M-618, -24 size

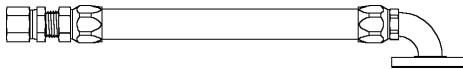
Part Number: 779077-xxxx



1-1/4" Female Swivel x 1-1/4" 90° Swivel Flange

M-618, -24 size

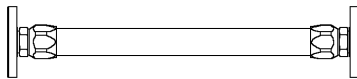
Part Number: 779078-xxxx



1-1/4" Swivel Flange x 1-1/4" Swivel Flange

M-618, -24 size

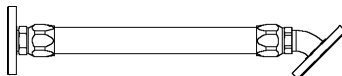
Part Number: 778811-xxxx



1-1/4" Swivel Flange x 1-1/4" 45° Swivel Flange

M-618, -24 size

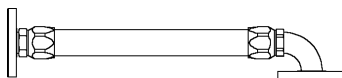
Part Number: 778809-xxxx



1-1/4" Swivel Flange 1-1/4" 90° Swivel Flange

M-618, -24 size

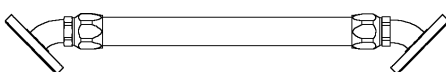
Part Number: 778810-xxxx



1-1/4" 45° Swivel Flange x 1-1/4" 45° Swivel Flange 0°

M-618, -24 size

Part Number: 779079-xxxx



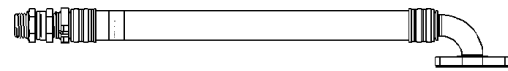
Type AAR M-618 with Crimped Fittings

Typically used for connecting a threaded component such as a cut-out cock to a flanged trainline hose support.

1-1/4" Male Swivel x 1-1/4" 90° Swivel Flange

M-618, -24 size

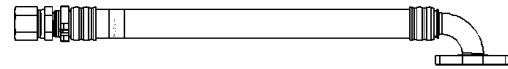
Part Number: 779311-xxxx



1-1/4" Female Swivel x 1-1/4" 90° Swivel Flange

M-618, -24 size

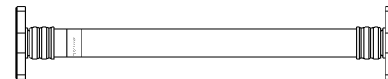
Part Number: 779312-xxxx



1-1/4" Swivel Flange x 1-1/4" 90° Swivel Flange

M-618, -24 size

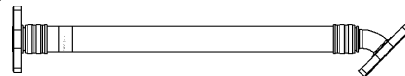
Part Number: 779313-xxxx



1-1/4" Swivel Flange x 1-1/4" 45° Swivel Flange

M-618, -24 size

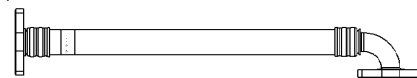
Part Number: 779314-xxxx



1-1/4" Swivel Flange x 1-1/4" 90° Swivel Flange

M-618, -24 size

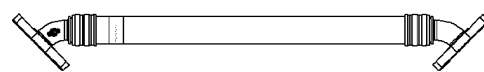
Part Number: 779315-xxxx



1-1/4" 45° Swivel Flange x 1-1/4" 45° Swivel Flange 0°

M-618, -24 size

Part Number: 779316-xxxx



Refer to pages 30-69 for information on available fittings.

Type AAR M-618 with Reusable Fittings

Typically used for connecting a threaded component such as a cut-out cock to a flanged trainline hose support.

1-1/4" 45° Swivel Flange x 1-1/4" 45° Swivel Flange (180°)

M-618, -24 size Part Number: 779080-xxxx



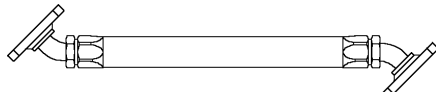
1-1/4" Swivel Flange x 1-1/4" Swivel Flange w/Coil Guard

M-618, -24 size Part Number: 780131-xxxx



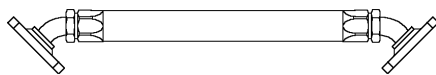
1" 45° Swivel Flange x 1" 45° Swivel Flange (180°)

M-618, -20 size Part Number: 778652-xxxx



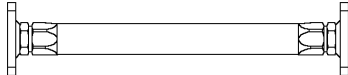
1" 45° Swivel Flange x 1" 45° Swivel Flange (0°)

M-618, -20 size Part Number: 778651-xxxx



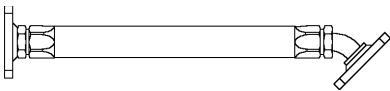
1" Swivel Flange x 1" Swivel Flange

M-618, -20 size Part Number: 778648-xxxx



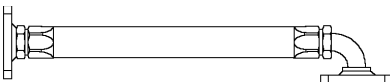
1" Swivel Flange x 1" 45° Swivel Flange

M-618, -20 size Part Number: 778416-xxxx



1" Swivel Flange x 1" 90° Swivel Flange

M-618, -20 size Part Number: 778649-xxxx

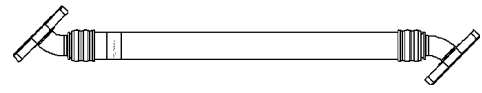


Type AAR M-618 with Crimped Fittings

Typically used for connecting a threaded component such as a cut-out cock to a flanged trainline hose support.

1-1/4" 45° Swivel Flange x 1-1/4" 45° Swivel Flange (180°)

M-618, -24 size Part Number: 779317-xxxx



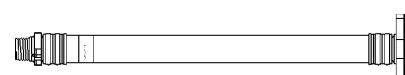
1-1/4" Swivel Flange x 1-1/4" Swivel Flange w/Coil Guard

M-618, -24 size Part Number: 781472-xxxx



1-1/4" Male Rigid x 1-1/4" Swivel Flange

M-618, -24 size Part Number: 778916-xxxx



Refer to pages 30-69 for information on available fittings.

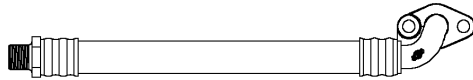
Type AAR M-618 with Crimped Fittings

Typically used for connecting the truck mounted brake cylinder to the car body mounted brake cylinder piping.

3/4" Pipe Thread x 1/2" Left Hand Elbow Flange

M-618, -16 size

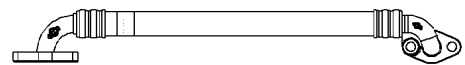
Part Number: 778818-xxxx



1/2" Right Hand Elbow Flange x 3/4" 90° Swivel Flange

M-618, -16 size

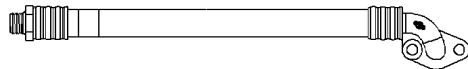
Part Number: 779531-xxxx



3/4" Pipe Thread x 1/2" Right Hand Elbow Flange

M-618, -16 size

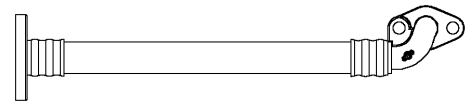
Part Number: 780570-xxxx



3/4" Rigid Flange x 1/2" Left Hand Elbow Flange

M-618, -16 size

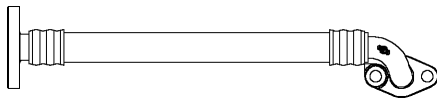
Part Number: 778993-xxxx



3/4" Swivel Flange x 1/2" Right Hand Elbow Flange

M-618, -16 size

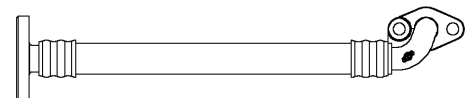
Part Number: 778821-xxxx



3/4" Swivel Flange x 1/2" Left Hand Elbow Flange

M-618, -16 size

Part Number: 778819-xxxx



Refer to pages 30-69 for information on available fittings.

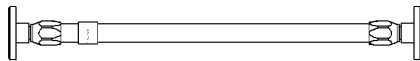
Type AAR M-618 with Reusable Fittings

Typically used for connecting the empty load valve inlet and outlet ports to the brake cylinder pipe.

3/8" Swivel Flange x 3/8" Swivel Flange

M-618, -10 size

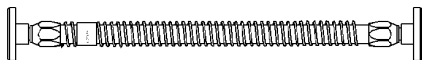
Part Number: 779999-xxxx



3/8" Swivel Flange x 3/8" Swivel Flange w/Coil Guard

M-618, -10 size

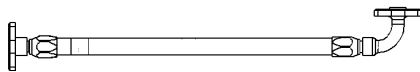
Part Number: 781311-xxxx



3/8" Swivel Flange x 3/8" 90° Swivel Flange

M-618, -10 size

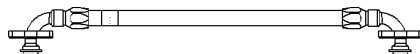
Part Number: 781253-xxxx



3/8" 90° Swivel Flange x 3/8" 90° Swivel Flange

M-618, -10 size

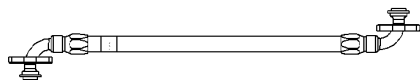
Part Number: 780179-xxxx



3/8" 90° Swivel Flange x 3/8" 90° Swivel Flange (180°)

M-618, -10 size

Part Number: 780180-xxxx



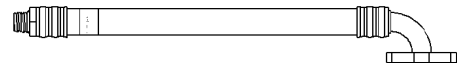
Type AAR M-618 with Crimped Fittings

Typically used for connecting the empty load valve inlet and outlet ports to the brake cylinder pipe.

3/4" Pipe Thread x 1/2" 90° Swivel Flange

M-618, -16 size

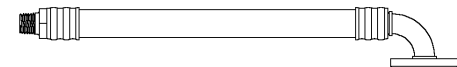
Part Number: 779102-xxxx



3/4" Pipe Thread x 3/4" 90° Swivel Flange

M-618, -16 size

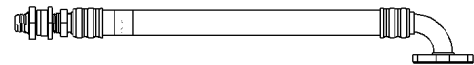
Part Number: 781733-xxxx



3/4" Male Swivel x 1/2" 90° Swivel Flange

M-618, -16 size

Part Number: 780045-xxxx



3/4" Swivel Flange x 1/2" Swivel Flange w/Loom Cover

M-618, -16 size

Part Number: 780665-xxxx



3/4" Swivel Flange x 3/4" Swivel Flange

M-618, -16 size

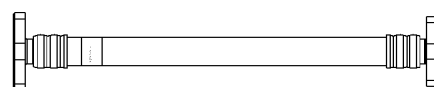
Part Number: 778822-xxxx



3/4" Swivel Flange x 1/2" Swivel Flange

M-618, -16 size

Part Number: 780116-xxxx



Refer to pages 30-69 for information on available fittings.

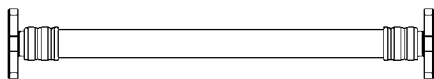
Type AAR M-618 with Crimped Fittings

Typically used for connecting the empty load valve inlet and outlet ports to the brake cylinder pipe.

1/2" Swivel Flange x 1/2" Swivel Flange

M-618, -16 size

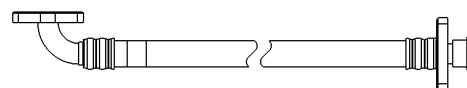
Part Number: 786066-xxxx



3/4" Swivel Flange (No Gasket) x 3/4" 90° Swivel Flange

M-618, -16 size

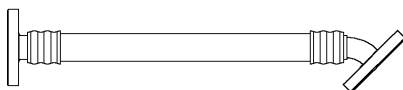
Part Number: 780663-xxxx



3/4" Swivel Flange x 3/4" 45° Swivel Flange

M-618, -16 size

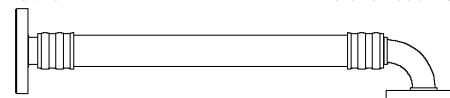
Part Number: 778823-xxxx



3/4" Swivel Flange x 1/2" 90° Swivel Flange

M-618, -16 size

Part Number: 778820-xxxx



3/4" Swivel Flange x 3/4" 45° Swivel Flange w/Coil Guard

M-618, -16 size

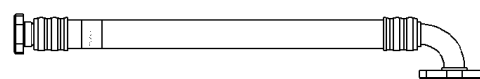
Part Number: 781719-xxxx



1/2" Swivel Flange x 1/2" 90° Swivel Flange

M-618, -16 size

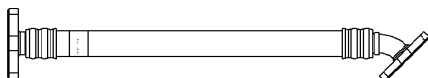
Part Number: 780046-xxxx



3/4" Swivel Flange x 1/2" 45° Swivel Flange

M-618, -16 size

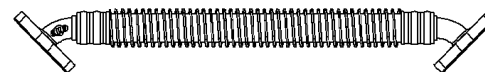
Part Number: 779526-xxxx



3/4" 45° Swivel Flange x 3/4" 45° Swivel Flange w/Coil Guard (0°)

M-618, -16 size

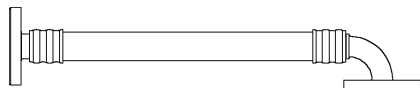
Part Number: 781640-xxxx



3/4" Swivel Flange x 3/4" 90° Swivel Flange

M-618, -16 size

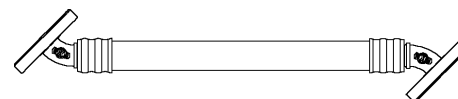
Part Number: 778824-xxxx



3/4" 45° Swivel Flange x 3/4" 45° Swivel Flange (180°)

M-618, -16 size

Part Number: 778949-xxxx



3/4" Swivel Flange x 3/4" 90° Swivel Flange w/Loom Cover

M-618, -16 size

Part Number: 780666-xxxx



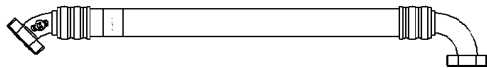
Type AAR M-618 with Crimped Fittings

Typically used for connecting the empty load valve inlet and outlet ports to the brake cylinder pipe.

3/4" 45° Swivel Flange x 3/4" 90° Swivel Flange (0°)

M-618, -16 size

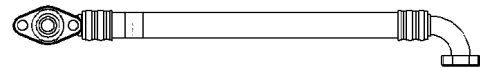
Part Number: 781493-xxxx



3/4" 90° Swivel Flange x 3/4" 90° Swivel Flange (270°)

M-618, -16 size

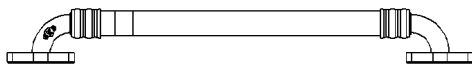
Part Number: 781282-xxxx



3/4" 90° Swivel Flange x 3/4" 90° Swivel Flange (0°)

M-618, -16 size

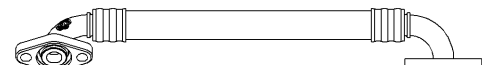
Part Number: 780177-xxxx



3/4" 90° Swivel Flange x 3/4" 90° Swivel Flange (315°)

M-618, -16 size

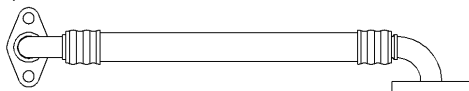
Part Number: 779112-xxxx



3/4" 90° Swivel Flange x 3/4" 90° Swivel Flange (90°)

M-618, -16 size

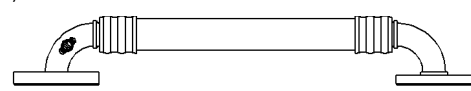
Part Number: 778950-xxxx



3/4" 90° Swivel Flange x 1/2" 90° Swivel Flange (0°)

M-618, -16 size

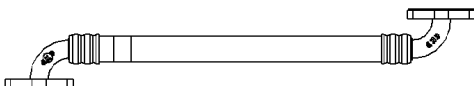
Part Number: 778988-xxxx



3/4" 90° Swivel Flange x 3/4" 90° Swivel Flange (180°)

M-618, -16 size

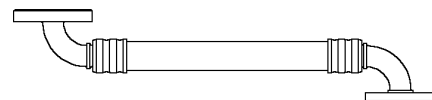
Part Number: 780178-xxxx



1/2" 90° Swivel Flange x 3/4" 90° Swivel Flange (180°)

M-618, -16 size

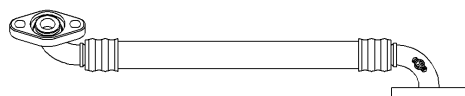
Part Number: 779005-xxxx



3/4" 90° Swivel Flange x 3/4" 90° Swivel Flange (225°)

M-618, -16 size

Part Number: 779324-xxxx



Refer to pages 30-69 for information on available fittings.

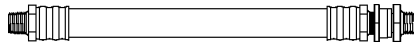
Type AAR M-618 with Crimped Fittings

Typically used for connecting to pneumatic door operation device or air brake cylinder.

3/4" Male Pipe Thread x 3/4" Male Swivel

M-618, -16 size

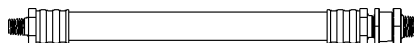
Part Number: 778947-xxxx



1/2" Male Pipe Thread x 3/4" Male Swivel

M-618, -16 size

Part Number: 779247-xxxx



3/4" Male Pipe Thread x 3/4" Male Pipe Thread

M-618, -16 size

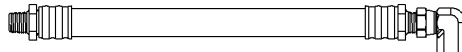
Part Number: 779071-xxxx



3/4" Male Pipe Thread x 3/4" 90° Female Swivel

M-618, -16 size

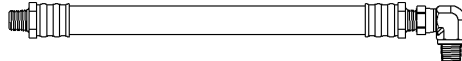
Part Number: 779326-xxxx



3/4" Male Pipe Thread x 3/4" 90° Male Swivel

M-618, -16 size

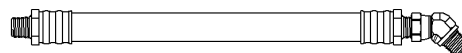
Part Number: 779325-xxxx



3/4" Male Pipe Thread x 3/4" 45° Male Swivel

M-618, -16 size

Part Number: 779323-xxxx



Refer to pages 30-69 for information on available fittings.

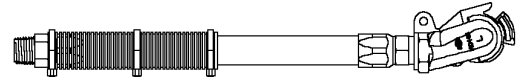
Type AAR M-618 with Reusable Fittings

Typically used for connecting to pneumatic door operation device or air brake cylinder.

LS4 Gladhand x 1" Male Pipe Thread w/Loom Cover Nipple End

M-618, -16 size

Part Number: 778946-xxxx



Type AAR M-618 with Crimped Fittings

Typically used for connecting to pneumatic door operation device or air brake cylinder.

3/4" Male Pipe Thread x 3/4" Female Swivel

M-618, -16 size

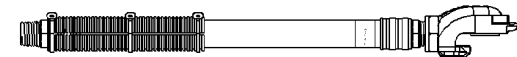
Part Number: 779904-xxxx



LS4 Gladhand x 1" Male Pipe Thread w/Loom Cover Nipple End

M-618, -16 size

Part Number: 780647-xxxx



LS4 Gladhand x 1" Male Pipe Thread w/Loom Cover Gladhand End

M-618, -16 size

Part Number: 781164-xxxx



LS4 Gladhand x 1" Male Pipe Thread w/Coil Guard

M-618, -16 size

Part Number: 781213-xxxx



Hose Length

Select the hose length so that at the minimum range of motion between the two ends of the hose, the hose bend radius, is no less than the specified minimum for that size and construction of hose, and so that at the maximum range of motion between the two ends of the hose, there is sufficient slack to prevent the hose from being subjected to a tensile load. Specify the correct hose length for each application and never connect two gasketed flanges.

M-618 Overall Hose Length is expressed in inches and in this format as in the following example:

Hose # - OAL 778950-0262

-0262 = 26-1/4"

Inches 1/8 Inches

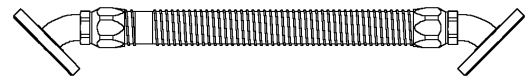
Type AAR M-618 with Reusable Fittings

Typically used for connecting to brake pipe between the platforms over an articulated truck.

1-1/4" 45° Swivel Flange x 1-1/4" 45° Swivel Flange w/Coil Guard

M-618, -24 size

Part Number: 778825-xxxx



Type AAR M-618 with Crimped Fittings

Typically used for connecting to brake pipe between the platforms over an articulated truck.

1-1/4" 45° Swivel Flange x 1-1/4" 45° Swivel Flange w/Coil Guard

M-618, -24 size

Part Number: 779318-xxxx

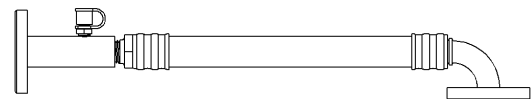


Typically used for connecting to air brake cylinder.

3/4" Swivel Test Flange x 3/4" 90° Swivel Flange

M-618, -16 size

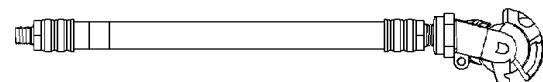
Part Number: 779327-xxxx



FS3 Gladhand x 1/2" Male Pipe Thread

M-618, -16 size

Part Number: 778948-xxxx

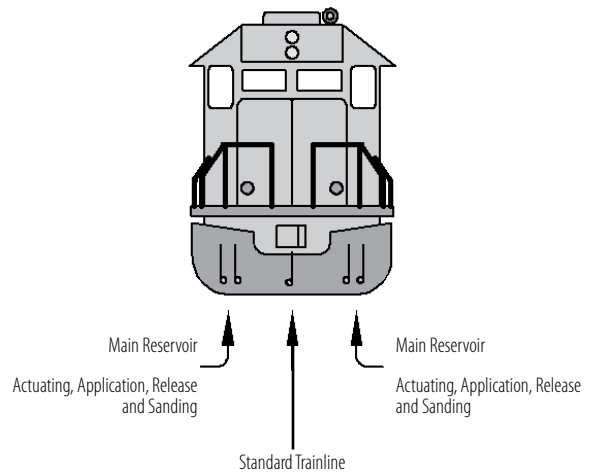


Refer to pages 30-69 for information on available fittings.

Locomotive

Railroad Gladhands and Assemblies.....	30-33
Standard Trainline Assemblies.....	34-35
Main Reservoir	36-37
Actuating, Application, Release and Sanding.....	36-37

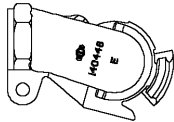
Locomotive Hose Assembly Locations



Typically used for connecting air supply lines for locomotive, freight cars, yard air and testing equipment.

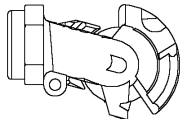
Type ES2 Gladhand with Gasket - Gladhand gasket included

Pipe Thread Size	NYAB
1/2"	710219



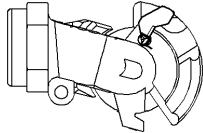
Type FS Gladhand with Gasket - Gladhand gasket included

FS Type	Pipe Thread Size	NYAB
FS3	3/4"	782884
FS4	1"	700512
FS5	1-1/4"	701241



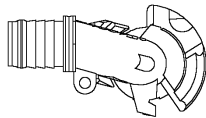
Type LOCTAB® II FS5 Gladhand with Gasket - Hose Size - 24

Pipe Thread Size	NYAB
1-1/4"	781005



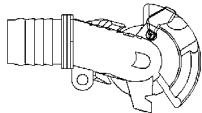
Type FP5 Gladhand with Crimped End - Hose Size - 24

Size	NYAB
1-3/8"	759864



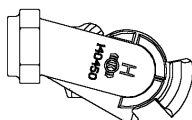
Type LOCTAB II FP5 Gladhand with Crimped End - Hose Size - 24

Size	NYAB
1-3/8"	777853



Type HS Gladhand with Gasket - Gladhand gasket included

Pipe Thread Size	NYAB
1/2"	705750
3/4"	710220

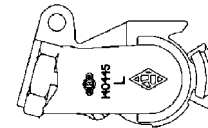


LOCTAB II Locking Gladhands

- A major increase in resistance to rotational uncoupling
- Compatible with all AAR approved gladhands
- Added protection against uncouplings at new AAR required 5" height
- No additional effort to couple or uncouple

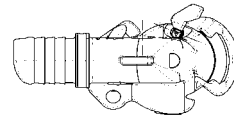
Type LS4 Gladhand with Gasket - Gladhand gasket included

Size	NYAB
1"	710221



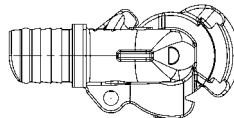
Type FP5 0° Gladhand with Crimped End - Hose Size - 24

Size	NYAB
1-3/8"	785245



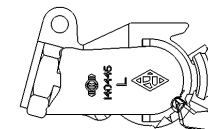
Type FP5 0° LOCTAB II Gladhand with Crimped End
- Hose Size - 24

Size	NYAB
1-3/8"	781621



Locking LS4 Gladhand

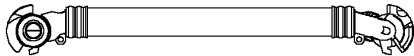
Size	NYAB
1"	789566



Type AAR M-601 with CRIMPED FITTINGS

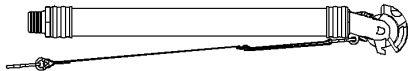
FP5 Gladhand x FP5 Gladhand (180°)

Part Number: 777356



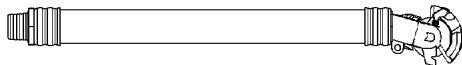
FP5 Gladhand x 1-1/4" Male Pipe Thread w/Hose Support

Part Number: 779292



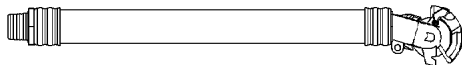
FP5 Gladhand LOCTAB® II x 1-1/4" Male Pipe Thread

Part Number: 776006



FP5 Gladhand LOCTAB II x 1-1/4" Male Pipe Thread w/Wide Lip Gasket

Part Number: 779611



FP5 0° Gladhand LOCTAB II x 1-1/4" Male Pipe Thread w/Wide Lip Gasket

Part Number: 790483 (22")

Part Number: 785246 (33")



HI-FLO® Gladhand

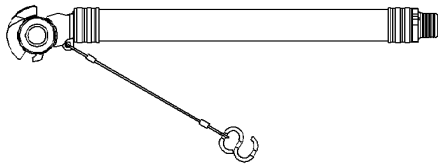
- Patented gladhand design
- Increases air signal propagation by 9%
- Extended lip guard provides protection of critical machined surfaces
- A more automatic parallel alignment of the sealing faces
- Consistently better gasket sealing

Type AAR M-601 with CRIMPED FITTINGS

Typically used for connecting trainline functions.

FP5 Gladhand x 1-1/4" Male Pipe Thread w/Attach Wire Cable and S Hook

Part Number: 777800



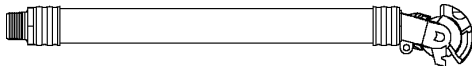
FP5 LOCTAB® II Gladhand x 1-1/4" Male Pipe Thread w/Loom Cover

Part Number: 777801



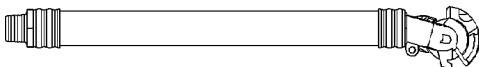
FP5 Gladhand x 1-1/4" Male Pipe Thread

Part Number: 777438



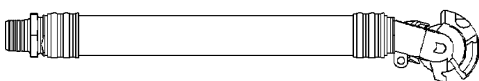
FP5 Gladhand x 1-1/4" BSPP Male Pipe Thread

Part Number: 778770



FP5 Gladhand x 1-1/4" Male Pipe Thread w/Wide Lip Gasket

Part Number: 777359



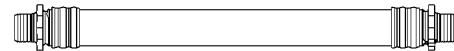
See page 4 for additional lengths with **Wide Lip Gaskets**.

Type AAR M-601 with CRIMPED FITTINGS

Typically used for connecting trainline functions.

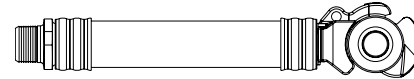
1-1/4" Male Pipe Thread x 1-1/4" Male Pipe Thread

Part Number: 777733



FP5 0° Gladhand x 1-1/4" Male Pipe Thread

Part Number: 785435



FP5 LOCTAB II Gladhand x FP5 LOCTAB II Gladhand

Part Number: 777362



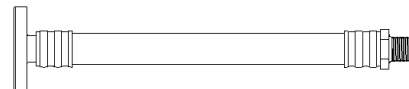
FP5 0° Gladhand x FP5 0° Gladhand (180°)

Part Number: 785241



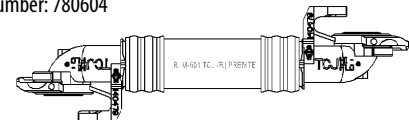
FP5 Gladhand x 1-1/4" Swivel Flange

Part Number: 778174



FP5 Gladhand x 1-1/4" Gladhand w/Wide Lip Gasket (180°)

Part Number: 780604



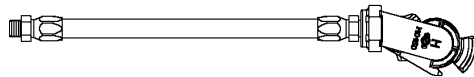
Type AAR M-618 with REUSABLE FITTINGS

Typically used for connecting multiple unit, main reservoirs, and actuating application release and sanding functions.

HS2 Gladhand x 1/2" Male Pipe Thread

M-618, -10 size

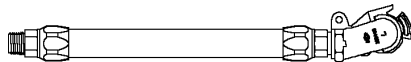
Part Number: 778645-xxxx



LS4 Gladhand x 1" Male Pipe Thread

M-618, -10 size

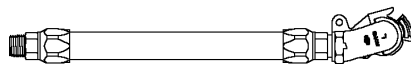
Part Number: 780741-xxxx



LS4 Gladhand x 1" Male Pipe Thread

M-618, -20 size

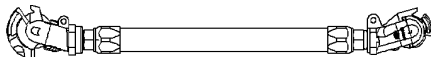
Part Number: 789992-xxxx



FS4 Gladhand x LS4 Gladhand

M-618, -20 size

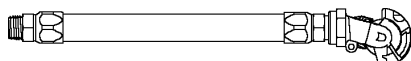
Part Number: 779949-xxxx



FS5 Gladhand x 1-1/4" Male Pipe Thread

M-618, -24 size

Part Number: 778815-xxxx



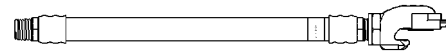
Type AAR M-618 with CRIMPED FITTINGS

Typically used for connecting multiple unit, main reservoirs, and actuating application release and sanding functions.

LS4 Gladhand x 1" Male Pipe Thread

M-618, -16 size

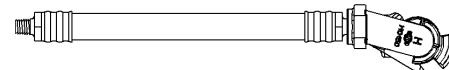
Part Number: 780741-xxxx



HS2 Gladhand x 1/2" Male Pipe Thread

M-618, -16 size

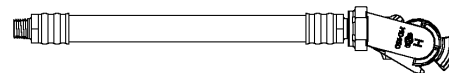
Part Number: 779248-xxxx



HS3 Gladhand x 3/4" Male Pipe Thread

M-618, -16 size

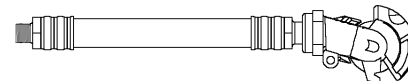
Part Number: 778991-xxxx



FS3 Gladhand x 1/2" Male Pipe Thread

M-618, -16 size

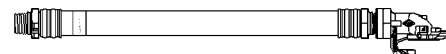
Part Number: 778948-xxxx



FS5 Gladhand x 1-1/4" Male Pipe Thread

M-618, -24 size

Part Number: 779319-xxxx



FS5 Locking Gladhand x 1-1/4" Male Pipe Thread

M-618, -24 size

Part Number: 781006-xxxx



Adapters, Fittings & Accessories

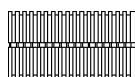
Adapters	40-47
Test Fittings.....	48-51
Dummy Couplings.....	52-53
Fittings.....	54-67
Accessories.....	68-69

Corrugated Hose Loom

- Provides abrasion protection around entire hose
- Quick and easy to install
- Can be used for partial or complete hose lengths

Corrugated Loom Guard

Size	NYAB
-16	779006
-24	777805



Coil Guard

Size	NYAB
-10	779329
-12	779330
-16	779331
-20	779331
-24	778435



Male Rigid Fitting

NYAB
779288



Female x Male Thread Adapter

Female Thread	Male Thread	NYAB
1/2"	1/4"	779895
3/4"	1/2"	770113
1-1/4"	1-1/4"	772371



Gladhand Gasket

NYAB
739882



Cold Loc Wide Lip Gasket

NYAB
777264



Male Rigid Fitting

Hose Size	Thread Size	NYAB
-10	1/2"	778673
-12	1/2"	778998
-16	1"	778827
-20	1"	778426
-24	1-1/4"	778434



Pipe Thread Fitting

Hose Size	Thread Size	NYAB
-16	1/2"	778962
-16	3/4"	739693
-24	1-1/4"	758313



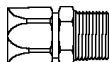
3/4" x 3/4" Male Swivel Adapter

NYAB
778829



Male Rigid Fitting

Hose Size	Thread Size	NYAB
-10	1/2"	778673
-12	1/2"	778988
-12	3/4"	781358
-16	1"	778827
-20	1"	778426
-24	1-1/4"	778434



Male Swivel Adapter

Female Thread	Male Thread	NYAB
1/4"	1/4"	784628
1/2"	3/8"	782521
1/2"	1/2"	778994
3/4"	3/4"	778829
1"	3/4"	779147
1"	1"	778995
1-1/4"	1-1/4"	778424



Female Swivel Adapter

Female Thread	Male Thread	NYAB
1/2"	1/2"	779282
3/4"	3/4"	779283
1"	1"	779284
1-1/4"	1-1/4"	778425



45° Male Swivel Adapter

Female Thread	Male Thread	NYAB
1/2"	1/2"	779231
3/4"	3/4"	780144
1"	1"	779232
1-1/4"	1-1/4"	779233



90° Male Swivel Adapter

Female Thread	Male Thread	NYAB
1/2"	1/2"	779225
1/2"	3/8"	779697
3/4"	3/4"	779226
1"	1"	779227



90° Female Swivel Adapter

Female Thread	Male Thread	NYAB
1/2"	1/2"	779228
3/4"	3/4"	779229
1"	1"	779230



Straight Swivel Adapter

Size	NYAB
-10	780044
-20	778662
-24	779643



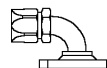
45° Swivel Flange

Size	NYAB
-20	778663
-24	779647



90° Swivel Flange

Size	NYAB
-20	778664
-24	778650



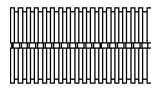
Gaskets

Size	NYAB
3/8"	731047
1/2"	731033
3/4"	731034
1"	731056
1-1/4"	731061
2"	735080



Corrugated Loom Guard

Size	NYAB
-16	779006
-24	777805



Coil Guard

Size	NYAB
-10	779329
-12	779330
-16	779331
-20	779331
-24	778435



Hose Hanger Support



Part Number: 778117

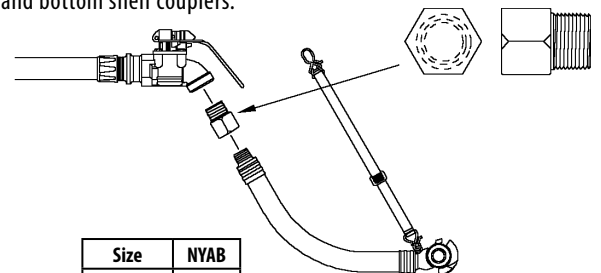


Hose Hanger Support

- AAR approved Standard 4006
- Made of high-strength, long-life, woven synthetic material
- Easy to install using exclusive "key lock" system
- Can be installed or adjusted with gloves in cold weather
- Hose height adjustment feature is flexible in all weather
- Will not sag over time like rubber straps do

Trainline Extension Casting

Extension adapter for cars with standard draft gears and bottom shelf couplers.



Size	NYAB
1-1/4" NPT	772371



Radial Crimp Ferrule for M-618

- Improved sealing through 340 degrees of uniform force
- Steel ferrule improves strength vs. brass or aluminum
- Reduces cost

Fitting & Accessories (Crimped)

45° Swivel Flange

Hose Size	Flange Size	NYAB
-16	3/4"	778671
-24	1-1/4"	779165



90° Swivel Flange

Hose Size	Flange Size	NYAB
-16	1/2"	778668
-16	3/4"	778672
-24	1-1/4"	779166



Fittings & Accessories (Crimped)

Pipe Thread Fitting

Hose Size	Thread Size	NYAB
-16	1/2"	778962
-16	3/4"	739693
-16	1"	779465
-24	1-1/4"	758313



LH Offset Flange

Hose Size	Flange Size	NYAB
-16	1/2"	765428



RH Offset Flange

Hose Size	Flange Size	NYAB
-16	1/2"	739850



Straight Rigid Flange

Hose Size	Flange Size	NYAB
-16	3/4"	739857



Straight Swivel Flange

Hose Size	Flange Size	NYAB
-16	3/4"	778666
-24	1-1/4"	778999

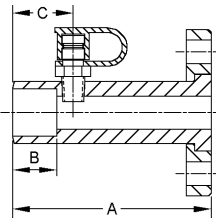


Typically used for measuring brake cylinder line pressure.

3/4" Socket Weld Test Coupling

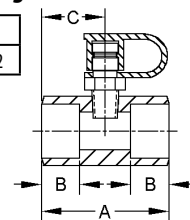
A	B	C	NYAB
4-1/2"	1"	1-3/8"	776147*
4-1/2"	1"	1-3/8"	776150**

*with gasket groove
**without gasket groove



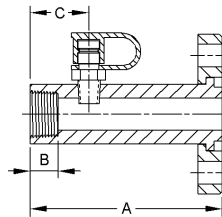
3/4" Socket Weld Test Coupling

A	B	C	NYAB
2-1/2"	3/4"	1-1/4"	776152



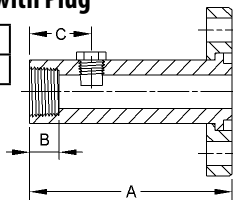
3/4" Threaded Test Coupling

A	B	C	NYAB
4-1/2"	1"	1-3/8"	779223



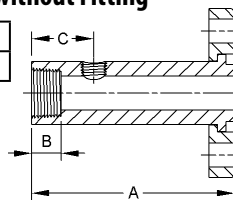
3/4" Threaded Test Coupling with Plug

A	B	C	NYAB
4-1/2"	1"	1-3/8"	779438



3/4" Threaded Test Coupling without Fitting

A	B	C	NYAB
4-1/2"	1"	1-3/8"	779434

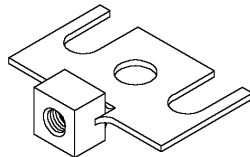


Brake Cylinder Flange Test Fittings

Typically used for testing car brake cylinder line pressure according to AAR Standard S-486.

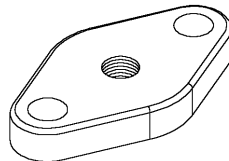
3/4" Wafer Flange

NYAB
769119



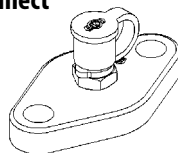
3/4" Blanking Plate

NYAB
776459



Flange Pad with Quick Disconnect

Included	NYAB
Cover & QD	781593
Cover-QD-Gasket	781590
Cover-QD-Gasket-Bolts	781592

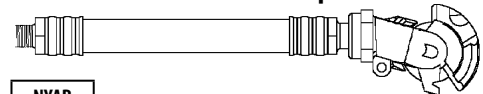


Test Device Hose Assembly

Typically used for testing car brake cylinder line pressure according to AAR Standard S-486.

FS315 Gladhand x 1/2" Male Pipe

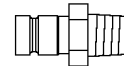
NYAB
778948



Fittings & Accessories

Quick Disconnect

NYAB
776156



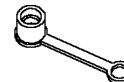
1/4" Plug

NYAB
776178



Dust Cover

NYAB
776207



Female Quick Disconnect

NYAB
778225



Dummy Couplings

Adapters, Fittings & Accessories

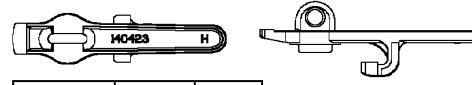
Typically used for connecting to mating gladhand for proper storage of gladhand hose and to keep air system clean.

Type F3 Dummy Coupling with Vent Holes



Chain	Laplink	NYAB
NO	NO	739823
7-1/2"	2	703124
18"	2	778830

Type H2 Dummy Coupling without Vent Holes



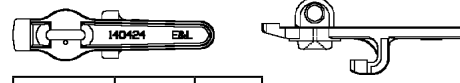
Chain	Laplink	NYAB
NO	NO	739710
7-1/2"	2	700304
7-1/2"	2	700581

Type F2 Dummy Coupling without Vent Holes



Chain	Laplink	NYAB
NO	NO	739709
7-1/2"	2	700303
10"	2	781168
12"	2	780690

Type L & E3 Dummy Coupling with Vent Holes



Chain	Laplink	NYAB
NO	NO	739825
7-1/2"	2	703125
16"	2	703406

Type H3 Dummy Coupling with Vent Holes



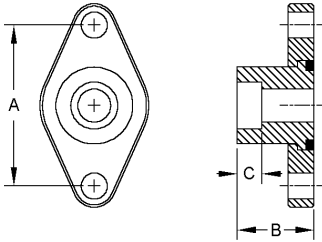
Chain	Laplink	NYAB
NO	NO	739824
7-1/2"	2	703123
14"	2	756979
16"	2	703405

Type L2 & E2 Dummy Coupling without Vent Holes



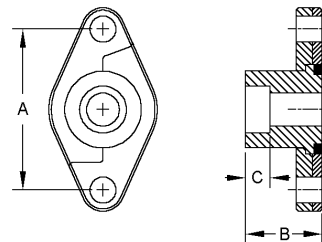
Chain	Laplink	NYAB
NO	NO	739711
7-1/2"	2	700366

Adjustable Socket Weld Fittings with Solid Flange and Gasket Groove



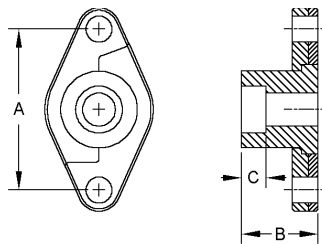
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
3/8"	3/8"	704036	1-15/16"	1-1/8"	1-7/16"
1/2"	3/8"	704068	2-3/8"	1-3/16"	7/16"
1/2"	1/2"	704071	2-3/8"	1-3/16"	1/2"
3/4"	3/8"	705811	2-3/4"	1-1/8"	7/16"
3/4"	1/2"	705741	2-3/4"	1-1/8"	1/2"
3/4"	3/4"	704045	2-3/4"	1-1/8"	9/16"
1"	1/2"	704069	3"	1-3/16"	1/2"
1"	3/4"	704046	3"	1-3/16"	9/16"
1"	1"	704039	3"	1-3/16"	5/8"
1-1/4"	3/4"	705613	3-3/4"	1-1/4"	9/16"
1-1/4"	1"	704178	3-3/4"	1-1/4"	5/8"
1-1/4"	1-1/4"	704038	3-3/4"	1-1/4"	11/16"
2"	1-1/4"	704083	4-7/8"	1-1/2"	11/16"
2"	2"	704058	4-7/8"	1-1/2"	7/8"

Adjustable Socket Weld Fittings with Split Flange and Gasket Groove



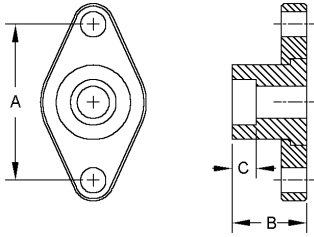
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
1-1/4"	1-1/4"	705179	3-3/4"	1-1/4"	11/16"

Adjustable Socket Weld Fittings with Split Flange and without Gasket Groove



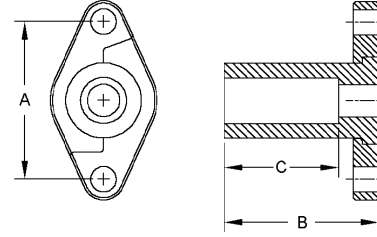
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
1-1/4"	1-1/4"	705531	3-3/4"	1-1/4"	11/16"

Adjustable Socket Weld Fittings with Solid Flange and without Gasket Groove



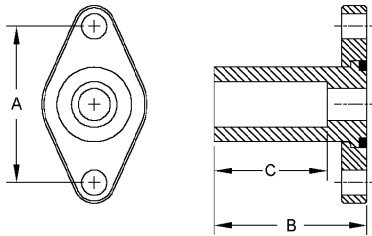
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
3/8"	1/4"	705361	1-15/16"	1-1/8"	7/16"
3/4"	3/4"	705362	2-3/4"	1-1/8"	9/16"
1"	1"	705363	2-3/8"	1-3/16"	5/8"
1-1/4"	1-1/4"	705021	3-3/4"	1-1/4"	11/16"

Adjustable Deep Socket Weld Fittings with Split Flange and without Gasket Groove



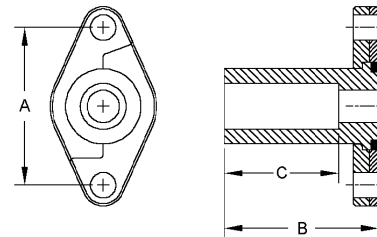
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
1-1/4"	1-1/4"	760509	3-3/4"	4"	3"

Adjustable Deep Socket Weld Fittings with Solid Flange and with Gasket Groove



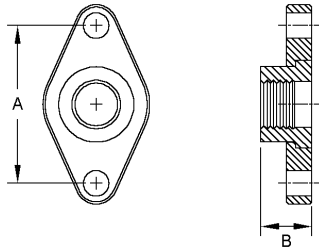
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
3/8"	1/4"	710231	1-15/16"	3"	2"
3/4"	3/4"	705056	2-3/4"	3"	2"
1"	1"	710232	3"	2"	1"
1-1/4"	1-1/4"	710233	3-3/4"	4"	3"

Adjustable Deep Socket Weld Fittings with Split Flange and Gasket Groove



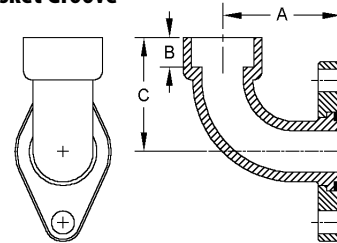
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
1-1/4"	1-1/4"	705426	3-3/4"	4"	3"

Adjustable Tapped Swivel Fittings



Flange Size	Complete Assembly NYAB	A	B
3/4"	705662	2-3/4"	1-1/8"

Socket Weld 90° Elbows with Solid Flange and Gasket Groove



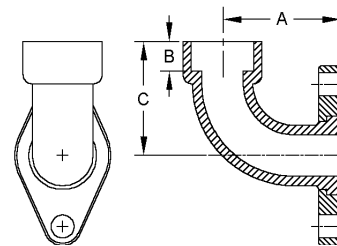
Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
3/8"	3/8"	705391	2-3/16"	7/16"	2-3/16"
3/4"	3/4"	705250	2-3/16"	9/16"	2-3/16"
1"	1"	705280	2-5/8"	5/8"	2-5/8"

Gaskets

Size	NYAB
3/8"	731047
1/2"	731033
3/4"	731034
1"	731056
1-1/4"	731061
2"	735080



Socket Weld 90° Elbows with Solid Flange and without Gasket Groove

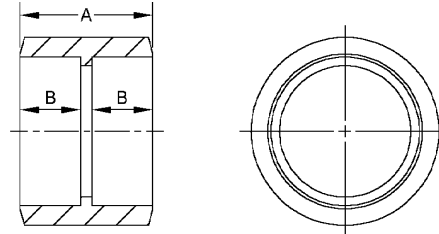


Flange Size	Pipe Size	Complete Assembly NYAB	A	B	C
3/4"	3/4"	761900	2-2/4"	9/16"	2-3/16"

Socket Weld Fittings Table

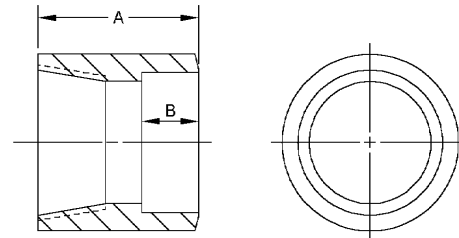
Complete Assembly NYAB	Socket/Elbow NYAB	Flange NYAB
704036	740752	740744
704038	740753	740747
704739	740754	740746
704745	740755	740766
704068	739325	740761
704069	740759	740746
704070	740760	740744
704071	758369	740761
704083	740768	740766
704178	740782	740747
705021	751090	740747
705055	751237	740744
705056	751239	740745
705057	751309	740746
705058	751310	740747
705179	740753	704780
705250	754438	740745
705280	754439	740746
705281	740753	751651
705361	753681	740744
705362	753682	740745
705363	753904	740746
705391	754437	740744
705426	751310	704780
705531	751090	704780
705613	747622	740747
705662	756841	740745
705741	757161	740745
705811	757994	740745
760509	760508	704780
761900	791901	740745

1-1/4" Socket Weld Coupling



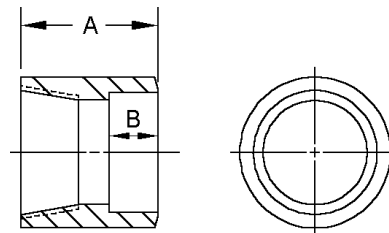
Size	NYAB	A	B
1-1/4"	742620	2-1/8"	11/16"

1-1/4 Tapped x 1-1/4" Socket Weld Coupling



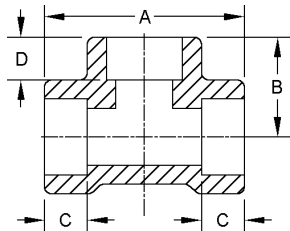
Size	NYAB	A	B
1-1/4"	751020	1-15/16"	11/16"

3/4 Tapped x 3/4" Socket Weld Coupling



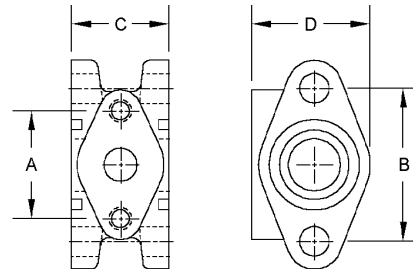
Size	NYAB	A	B
3/4"	754669	1-3/8"	9/16"

3/4" x 3/4" x 3/4" Socket Weld Tee



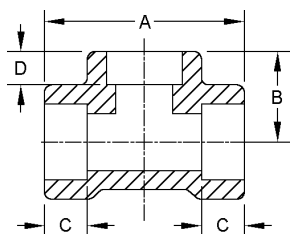
NYAB	A	B	C	D
754897	2-5/8"	1-5/16"	9/16"	9/16"

3/4" x 3/4" x 3/4" Flanged Fitting Tee with Gasket Groove



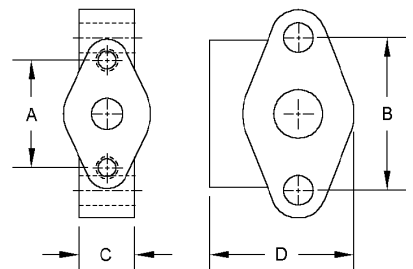
NYAB	A	B	C	D
731851	1-15/16"	2-3/4"	1-3/4"	1-5/32"

3/4" x 3/4" x 3/8" Socket Weld Tee



NYAB	A	B	C	D
752569	2-5/8"	1-5/16"	9/16"	7/16"

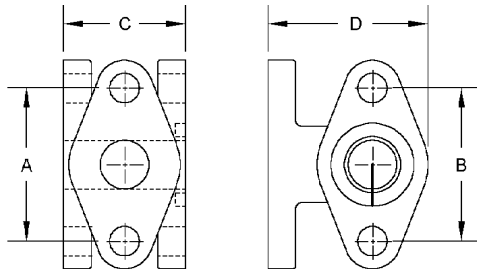
3/4" x 3/4" x 3/8" Flanged Fitting Tee with Gasket Groove



NYAB	A	B	C	D
735460	1-15/16"	2-3/4"	1-1/16"	2-5/8"

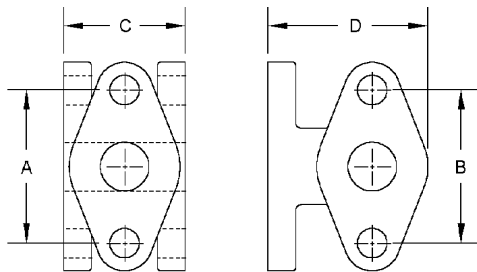
Flanged Fitting Tees

3/4" x 3/4" x 3/4" Flanged Fitting Tee with Gasket Groove



NYAB	A	B	C	D
735482	2-3/4"	2-3/4"	2-3/16"	2-7/8"

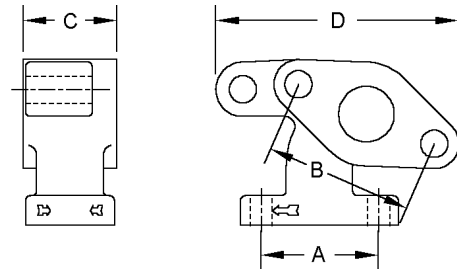
3/4" x 3/4" x 3/8" Flanged Fitting Tee with Gasket Groove



NYAB	A	B	C	D
735283	2-3/4"	2-3/4"	2-3/16"	2-7/8"

Flanged Branch Pipe Tees

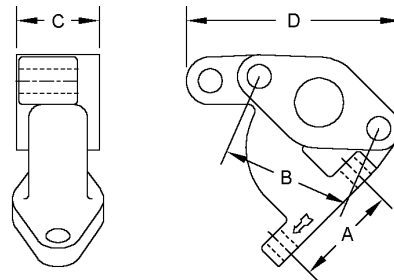
1-1/4" x 1-1/4" x 1" Branch Pipe Tee with Side Outlet



NYAB	A	B	C	D
735001*	3"	3-3/4"	2-3/8"	6-3/16"

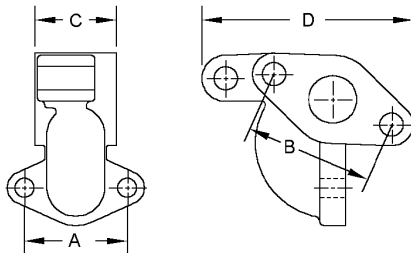
*767171 (Painted)

1-1/4" x 1-1/4" x 1" Branch Pipe Tee with 45° Side Outlet



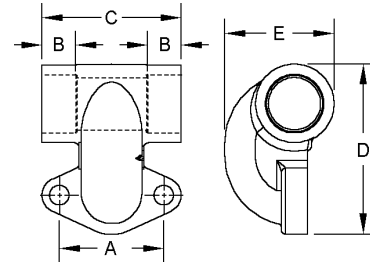
NYAB	A	B	C	D
735000	3"	3-3/4"	2-3/8"	6-3/16"

1-1/4" x 1-1/4" x 1" Branch Pipe Tee with Bottom Outlet



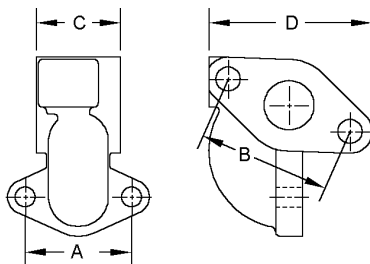
NYAB	A	B	C	D
735020	3"	3-3/4"	2-3/8"	6-3/16"

1-1/4" x 1-1/4" x 1" Socket Weld Branch Pipe Tee



NYAB	A	B	C	D	E
735469	3"	1"	4"	4-15/16"	3-3/16"

1-1/4" x 1-1/4" x 1" Branch Pipe Tee with Bottom Outlet and without Mounting Plug



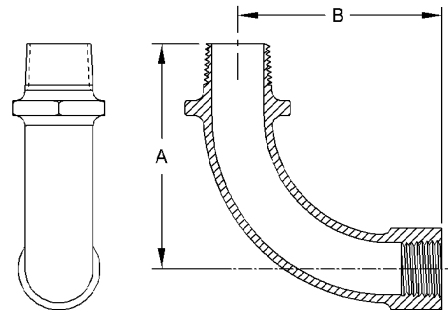
NYAB	A	B	C	D
747398	3"	3-3/4"	2-3/8"	4-9/16"



90° Sweep Elbow

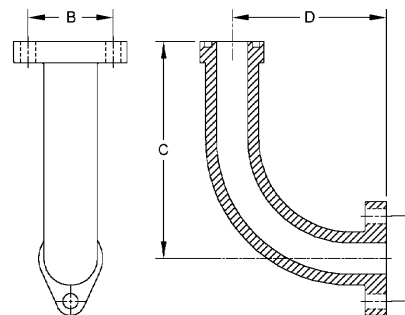
- Cost effective solution to AAR rule on 45° elbows
- Faster to install than two 45° elbows
- Increases airflow
- One wrench fits all design

1-1/4" x 90° Sweep Elbow



NYAB	A	B
779355	5-1/2"	5"

1" Flanged Long Sweep Elbow 90° Flange Displacement



NYAB	A	B	C	D
740758	3"	3"	7-5/8"	5-7/16"

OAL (inches)

M-618 Overall Hose Length is expressed in inches and in this format as in the following example:

Hose # - OAL 778950-0262

$-0262 = 26\text{-}1/4''$
↑ Inches ↓ 1/8 Inches

Ordering Guidelines

Hose Type

Select M-601 or M-618 hoses based on the application. Illustrations on pages 2-3 of this catalog show the construction features of M-601 and M-618 assemblies.

Inside Diameter (I.D.)

Specify M-618 hose size by the inside diameter (I.D.) of the hose expressed as a dash number. M-618 hoses are available with inside diameters of 1/2" (-10), 5/8" (-12), 7/8" (-16), 1-1/8" (-20), and 1-3/8" (-24). M-601 hoses are available only with an I.D. of 1-3/8".

Overall Length (O.A.L.)

Choose hoses with standard overall lengths of 10", 12", 16", 20", or 24", or indicate the custom length(s) that you need, in inches. See hose length measurement section on page xi.

Fittings

Reusable and crimped fittings are available for each end (A and B) of a hose assembly. Refer to the fittings sections on pages 22-25, 27, 32, 34, 35 and 37 for descriptions and part numbers.

Offset

Specify offset by measuring the number of degrees between the fittings in a counterclockwise direction. See the example of offset measurement illustrated on page xi.

Accessories

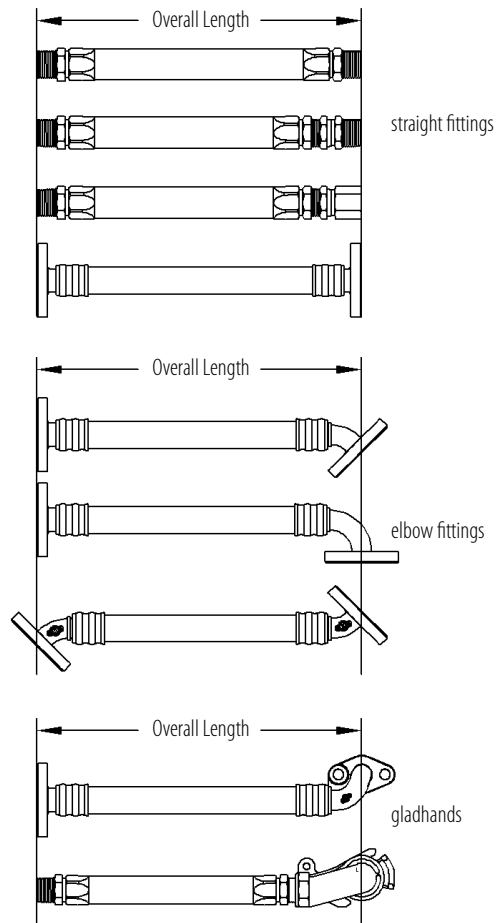
Select the accessories you would like to order by referring to the listings on pages 68-69 of this catalog for accessories descriptions and part numbers.

OAL (inches)

M-618 Overall Hose Length is expressed in inches and in this format as in the following example:

Hose # - OAL 778950-0262

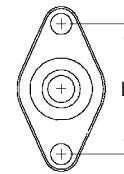
-0262 = 26-1/4"
 Inches 1/8 Inches



Thread Size



Thread Size	Dash Size
1/4: 18	4
3/8: 18	6
1/2: 14	8
3/4: 14	12
1: 11-1/2	16
1-1/4: 11-1/2	20



L	Size	Nominal
1.937"	SF6	3/8
2.375"	SF8	1/2
2.750"	SF12	3/4
3.000"	SF16	1
3.750"	SF20	1-1/4
4.875"	SF32	2

M-618 Hose



Hose Size
-10 = 1/2" ID
-12 = 5/8" ID
-16 = 7/8" ID
-20 = 1-1/8" ID
-24 = 1-3/8" ID

Options



Loom Corrugated	Coil Guard
	91 = 10
	92 = 12
OF = 16	93 = 16
	94 = 20
OH = 24	95 = 24

Ends – A & B / Hose Size



Reusable Male	Reusable Str Swivel	Reusable 45° Swivel	Reusable 90° Swivel
-12=1/2"-01-778996	-10=3/8"-06-778996	3/8 -11-	-10=3/8"-19-780168
-10=1/2"-02-778673	1/2" -07	1/2" -12-	1/2" -17-
-16=1"-03-778827	3/4" -08	3/4" -13-	3/4" -18-
-20=1"-04-778426	-20=1"-09-778662	-20=1"-14-778663	-20=1"-19-778664
-24=1 1/4"-05-778996	-24=1 1/4"-10-778643	-24=1 1/4"-15-778647	-24=1 1/4"-20-778650



Crimp Male Nipple	Crimp Right Offset	Crimp Left Offset	Crimp Swivel Flange
3/8" -36-	3/8" -41-	3/8" -46-	3/8" -51-
-16=1/2"-37-778962	1/2" -42-	1/2" -47-	-16=1/2"-52-778642
-16=3/4"-38-739693	-16=1/2"-43-765428	-16=1/2"-48-739450	-16=3/4"-53-778666
-16=1"-39-779465	1" -44-	1" -49-	1" -54-
-24=1 1/4"-40-779162	1 1/4" -45-	1 1/4" -50-	-24=1 1/4"-55-778999



E-Gladhand / +15°	G-Gladhand / +15°	F-Gladhand / +15°	F-Gladhand / +0°
ES2=1/2"-71-700800	HS2=1/2"-75-701001	1/2" -79-	1/2" -83-
ES3=3/4"-72-779344	HS2=1/2"-76-700801	FS3=3/4"-72-779344	3/4" -84-
ES4=1"-73-779045	1" -77-	FS4=3/4"-72-779344	1" -85-
1 1/4" -74-	1 1/4" -78-	FS5=3/4"-72-779344	1 1/4" -86-



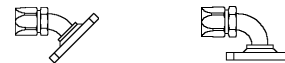
Extension Adaptor Rigid Female Male	Gladhand Gasket M 602 Standard	Loom Corrugated	Female Male Reusable Swivel
1/2"x1/4"-2J-779895		-10 - 0D -	- -
1/2"x1/2"-0P-770113		-12 - 0E -	- 0J -
1 1/2"x1 1/2" -0B-772371	-0C-739882	-16 - 0F - 779006	- 0K -
		-20 - 0G -	1"x3/4"-0L-779147
		-24 - 0H - 777805	- 0M -



FemFem 90° Swivel	Crimp Right Offset	F-Gladhand Locking
3/8" -2D-	3/8" --	3/8" --
1/2"x1/2"-2E-779228	1/2" --	1/2" --
3/4"x3/4"-2F-779229	-16=1/2"-43-765428	3/4" --
1"x1"-2G-779230	1" -44-	1" --
1 1/4"-2H-	F55 1 1/4" -25-781005	1 1/4" -50-



Threaded Vent Swivel	FemFem Pipe Swivel	FemMale Pipe Swivel
(With-Out QDC) 3/8"-22 -779434	3/8"-26 -	3/8 -31-
(With the QDC) 1/4"-23 -779223	1/2"-27 -779282	1/2"-32 -778994
Long S??Plugged) 3/4"-24 -779438	3/4"-28 -779283	3/4"-33 -778829
	1"-29 -779284	-20=1"-34 -778995
	1 1/4" -30 -778425	-24=1 1/4"-35 -778424



Crimp 45° Swivel	Crimp 90° Swivel	Crimp Rigid Flange
3/8" -56 -	3/8" -61 -	3/8 -66 -
-16=1/2"-57-778670	-16=1/2"-62-778668	1/2" -67 -
-16=3/4"-58-778671	-16=3/4"-63-738672	-16=3/4" -68 -73857
-16=1"-59 -	1" -64 -	1" -69 -739805
-24=1 1/4"-60 -779165	-24=1 1/4"-65-779196	1 1/4"-70 -



L-Gladhand / -15°	Coil Guard	Crimp Rigid 45°
1/2" -87 -	-10 -91 - 779329	3/8 -96 -
3/4" -88 -	-12 -92 - 779330	1/2" -97 -
LS4+1"-89-700818	-16 -93 - 779331	3/4" -98 -
1 1/4" -90 -	-20 -94 - 779331	1" -99 -
	-24 -95 - 778435	1 1/4" -0A -



FemMale Reducer Bushing	FemMale 90° Swivel	FemMale 45° Swivel
- 0N -	3/4"x1"-0T-779607	3/4"x1"-0Y-777403
3/4"x1"-0Q-777403	3/4"x1"-0U-779335	3/4"x1"-0Z-777403
1"x1 1/4"-0R-779388	3/4"x1"-0V-779226	3/4"x1"-2A-777403
1"x3/4"-0S-779356	3/4"x1"-0W-779227	3/4"x1"-2B-777403
	3/4"x1"-0X-	1 1/4"-2C-

New York Air Brake LLC

748 Starbuck Avenue
Watertown, New York 13601
Tel: +1 315 786-5431
Toll free: +1 888 836-6922
Fax: +1 315 786-5676
e-mail: hoses@nyab.com

Contact us

We promise that your order for in-stock products will be shipped on the next business day – overnight delivery is also available. We provide knowledgeable technical assistance to help you specify all types of parts for your application – call us.

For more information, visit our website at **www.nyab.com**, or contact us at the address, e-mail or phone numbers listed above.

AIR-5840 200x 01-10-14

Engineered to Outperform

E2O
NEW YORK AIR BRAKE 