

# Aeroquip® Rynglok® Tube Repair System

## Rynglok Basic Part Number Designation

R8 X X XX T

T = Titanium fitting material (6Al-4V)

Configuration number (see chart below)

1 = Standard production fitting

4 = Extra-fine thread for High Pressure Flareless

Connection Type:  
0 = Permanent, all Rynglok fitting ends  
1 = ArcSeal™ (separable) male or female  
2 = Flareless (separable) male or female  
3 = Flared (separable) male or female

R8 = Rynglok titanium high pressure repair fitting

## How To Order

R8XXXXT ( ) ( ) ( )

Port No. 3 (side port)<sup>1,2</sup>

Port No. 2 (right port)<sup>1,2</sup>

Port No. 1 (left port)<sup>1</sup>, largest Rynglok fitting end on the run, if all ends are Rynglok or any separable end

Basic part number

<sup>1</sup> Tube size is specified in 1/16" increments, (i.e., 08 = 8/16ths or 1/2")

<sup>2</sup> Port 2 and 3 only required for reducer fittings

		PERMANENT TO ARCSEAL™			PERMANENT TO “MS” FLARELESS			EXTRA FINE THREAD, HIGH PRESSURE FLARELESS			PERMANENT TO “AN” FLARED		
		MALE AS85421/1 OR AS85720/1	MALE BULKHEAD AS85421/2	FEMALE MATES WITH AS85421 & AS85720	MALE MS33514	MALE BULKHEAD MS33515	FEMALE NAS 1760 MODIFIED	MALE EN6123 & AS5827	MALE BULKHEAD AS5828	FEMALE	MALE AS4395 (MS33656)	MALE BULKHEAD AS4396 (MS33657)	FEMALE AS1708
UNION													
Non-Reducer	R80101T( )	R81121T( )	R81141T( )	R81101T( )	R82121T( )	R82141T( )	R82101T( )	R82421T( )	R82441T( )	R82401T( )	R83121T( )	R83141T( )	R83101T( )
Reducer	R80151T( )( )	R81171T( )( )	R81191T( )( )	R81151T( )( )	R82171T( )( )	R82191T( )( )	R82151T( )( )	R82471T( )( )	R82491T( )( )	R82451T( )( )	R83171T( )( )	R83191T( )( )	R83151T( )( )
45° ELBOW													
Non-Reducer	R80102T( )	R81122T( )	R81142T( )	R81102T( )	R82122T( )	R82142T( )	R82102T( )	R82422T( )	R82442T( )	R82402T( )	R83122T( )	R83142T( )	R83102T( )
Reducer	R80152T( )( )	R81172T( )( )	R81192T( )( )	R81152T( )( )	R82172T( )( )	R82192T( )( )	R82152T( )( )	R82472T( )( )	R82492T( )( )	R82452T( )( )	R83172T( )( )	R83192T( )( )	R83152T( )( )
90° ELBOW													
Non-Reducer	R80103T( )	R81123T( )	R81143T( )	R81103T( )	R82123T( )	R82143T( )	R82103T( )	R82423T( )	R82443T( )	R82403T( )	R83123T( )	R83143T( )	R83103T( )
Reducer	R80153T( )( )	R81173T( )( )	R81193T( )( )	R81153T( )( )	R82173T( )( )	R82193T( )( )	R82153T( )( )	R82473T( )( )	R82493T( )( )	R82453T( )( )	R83173T( )( )	R83193T( )( )	R83153T( )( )
TEE (Separable on Run)													
Non-Reducer	R80104T( )	R81124T( )	R81144T( )	R81104T( )	R82124T( )	R82144T( )	R82104T( )	R82424T( )	R82444T( )	R82404T( )	R83124T( )	R83144T( )	R83104T( )
Reducer	R80154T( )( )	R81174T( )( )	R81194T( )( )	R81154T( )( )	R82174T( )( )	R82194T( )( )	R82154T( )( )	R82474T( )( )	R82494T( )( )	R82454T( )( )	R83174T( )( )	R83194T( )( )	R83154T( )( )
TEE (Separable on Side)													
Non-Reducer		R81126T( )	R81146T( )	R81106T( )	R82126T( )	R82146T( )	R82106T( )	R82426T( )	R82446T( )	R82406T( )	R83126T( )	R83146T( )	R83106T( )
Reducer		R81176T( )( )	R81196T( )( )	R81156T( )( )	R82176T( )( )	R82196T( )( )	R82156T( )( )	R82476T( )( )	R82496T( )( )	R82456T( )( )	R83176T( )( )	R83196T( )( )	R83156T( )( )

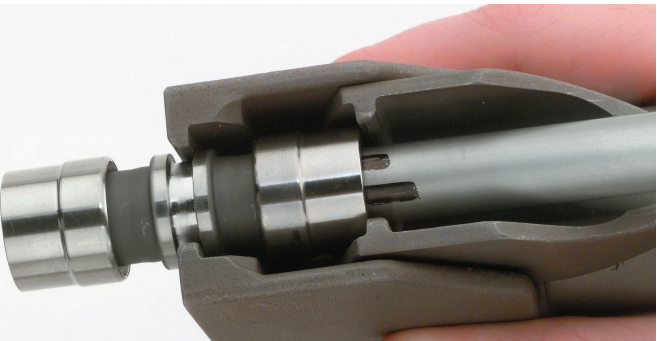
## Rynglok Fitting System Installation Sequence

### 1. Mark the Tube



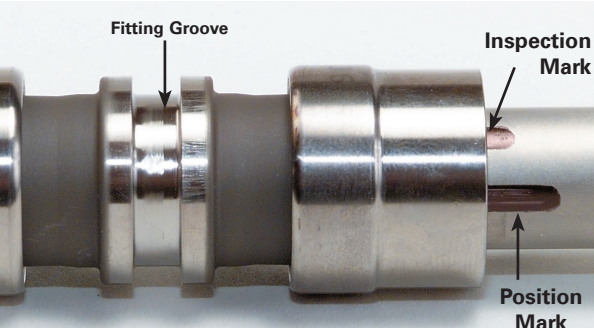
Position the Rynglok Marking Gauge (P/N: RTSG0-01-XX) on the end of the cut tube. Use a suitable marking pen to make the position and inspection marks.

### 4. Swaging the Fitting



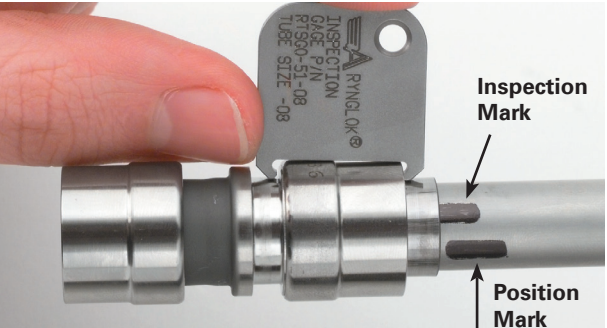
To swage the fitting, apply pressure. Upon completion of swaging, release the pressure, the moveable jaw will return to the original position.

### 2. Position the Fitting



Place the fitting on the tube within the limits of the positioning mark.

### 5. Inspect the Installation



Visually inspect that the ring is fully advanced onto the fitting using the Rynglok Inspection Gauge (P/N: RTSG0-51-XX). Be sure to verify that the edge of the fitting is within the limits of the inspection mark.

### 3. Position the Tool



When using the tool in the forward mode as shown, position the tool onto the fitting with the tube side of the ring nested into the moveable jaw. If positioned properly, the front end of the tool will be in the fitting groove. Make sure that the fitting is bottomed into the tool.

The fitting can also be positioned with the center of fitting nested on the moveable jaw (operation in Reverse mode).

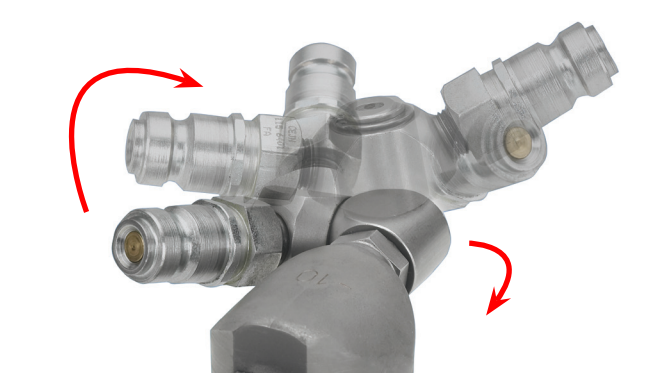
The above steps are repeated for each leg of the Rynglok fitting.

For a more detailed outline of the Rynglok installation sequence see our installation bulletin.

## Other Helpful Rynglok Products



Rynglok Hose Fittings (AE30705X) available for joining Aeroquip brand 246 hose to tubing for 3000-psi applications.



Optional Multi-Axis Swivel can be added to tool for easier connection to hose.



Rynglok Extended Length Unions (R80501TXX) are capable of joining two tube sections when a longer span is required.