

AS-Standards Cross Reference

Eaton's Rynglok tube fitting system is the system of choice for aerospace hydraulic tubing for commercial, military and general aviation.



Powering Business Worldwide

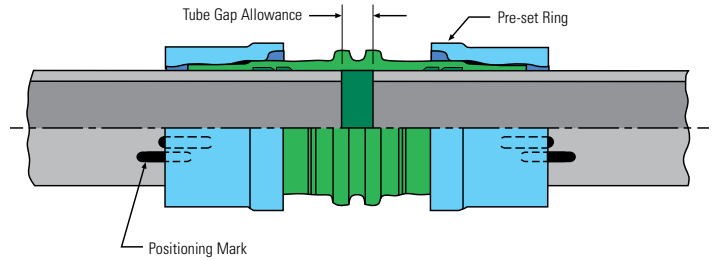
Proven Performance

Simple • Repeatable • Reliable

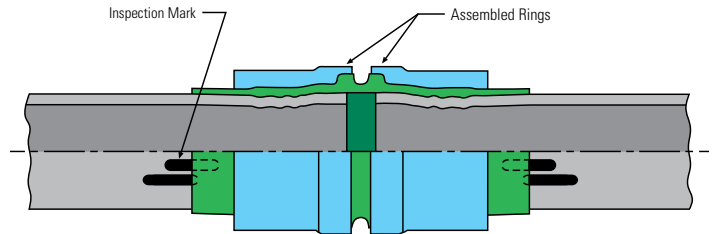
High Pressure Fittings

- All metal 6Al-4V titanium alloy construction with no composite materials
- Fitting capable of use on all sizes of standard tube wall
- Proven to exceed tube capabilities on standard hydraulic tube
- Lightweight, compact size
- Zero leakage with no elastomeric seal
- Assembly process not controlled under time constraints or temperature limits
- Fitting joint unaffected by long term exposure to high temperature aerospace fluids
- Available in titanium for high pressure operating systems (including 3,000 and 5080 psi), as well as aluminum for low pressure (up to 1,500 psi) applications
- Similar technology available in Rynglok Repair System, used worldwide by both commercial airlines and military for aircraft service
- Supports OEM service bulletins for aircraft service (such as Boeing SL 737-29-109)

Before Assembly



After Assembly



Rynglok Fitting System Installation Sequence



1. Mark the Tube

Position the marking gauge on the end of the cut tube. Use a suitable marking pen to make the position and inspection marks. Electro etching of the position and inspection marks is an acceptable method of marking and is common for production tubing.



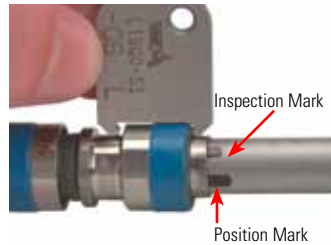
4. Swaging the Fitting

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 the ring to assure it is fully advanced onto the fitting using the inspection gauge. 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 above steps are repeated for each operation of the Rynglok fitting installation sequence.

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

Tooling is available in convenient tool kits, in various options for specific sizes or the inclusion of cutting or deburr tools. Please consult the AMM or Service Letter of a particular aircraft platform for repair information and tooling options. Specific applications may recommend particular tool configurations and sizes.

For example, Boeing SL for 737NG suggests Rynglok Tool Kits RCLK5C01S002 (sizes up to 3/4" tube with cutting tools) and RTLK5-01S111 (sizes up to 3/4", without cutting tools).

Please contact your Eaton Distributor for assistance or further information.

Axial Swage Tube Fittings

AS5958 Part Series & Intended Use

Tube Material	Pressure Rating (psi)	Size Code	Tube Size (in)	Wall Thickness			
Titanium	5080	-04	0.250	.022-.025		AS5791	
		-06	0.375	.030-.032		AS5792	
		-08	0.500	.040-.043		AS5793	
		-10	0.625	.050-.054		AS5801	
		-12	0.750	.059-.065		AS5802	
		-16	1.000	.079-.088		AS5803	
	3000	-20	1.250	.098-.105		AS5804	
		-04	0.250	.016		AS5805	
		-06	0.375	.019		AS5806	
		-08	0.500	.026		AS5807	
		-10	0.625	.032		AS5808	
		-12	0.750	.039		AS5809	
		-16	1.000	.051		AS5810	
		-20	1.250	.070			
		2000	-08	0.500	.022		
			-10	0.625	.023		
			-12	0.750	.027		
			1500	-16	1.000	.028	
-20	1.250			.035			
3000	-04			0.250	.016-.019		
	-06	0.375	.019-.022				
	-08	0.500	.026-.030				
	-10	0.625	.032-.036				
	-12	0.750	.038-.043				
	-16	1.000	.049-.055				
CRES	Eaton Rynglok Cross Reference Fitting						
	Reducer Option Part Numbers						
	R52741T	R52741T				AS5791	
	R52601T	R52601T				AS5792	
	R52071T	R52021T				AS5793	
	R52053T	R52003T				AS5801	
	R52073T	R52023T				AS5802	
	R52052T	R52002T				AS5803	
	R52054T	R52004T				AS5804	
	R52093T	R52043T				AS5805	
	R52056T	R52006T				AS5806	
	R52076T	R52026T				AS5807	
	R52062T	R52012T				AS5808	
	R52084T	R52034T				AS5809	
	R52074T	R52024T				AS5810	
	R52454T	R52404T				AS5767	
	R52641T	R52641T				AS5868	
	R50E01T	R50E01T				AS5869	
	R50051T	R50001T				AS5969	
	R50053T	R50003T				AS5970	
R50052T	R50002T				AS5971		
R50054T*	R50004T				AS5972		
R50055T	R50005T				AS5973		
R52701T	R52701T				AS5974		
R52471T	R52421T				AS5975		
R52453T	R52403T				AS5976		
R52473T	R52423T				AS5977		
R52452T	R52402T				AS5978		
R52472T	R52422T				AS5979		

Note - Some Eaton fittings (typically for -04, -06, and -08 size tube), may use the letter "L" in the part number (replacing the "R")
 *May also include R50454T part numbers as well for some Tee assemblies.

