



Tri Clamp Ferrule Dimensions and Sanitary Ferrule Size Chart



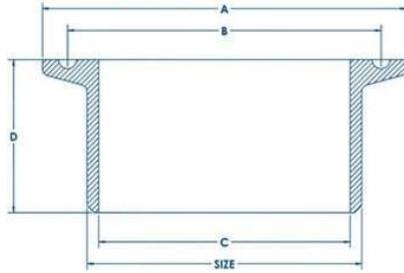
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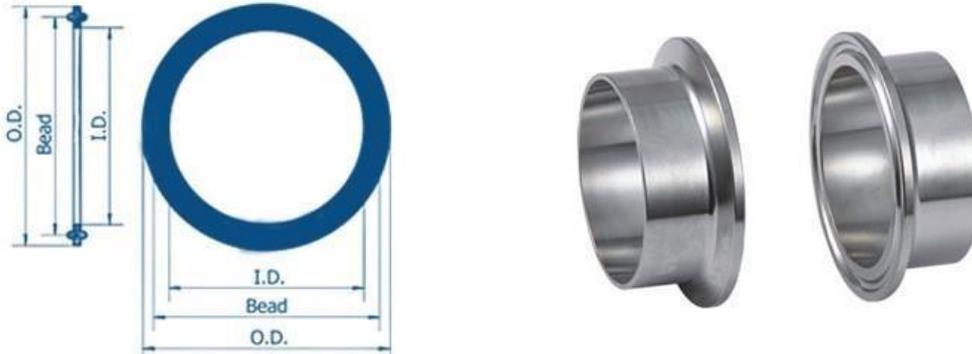


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View sanitary ferrule dimensions as per ISO1127, DIN 32676, BS 4825 standards

Tri clamp ferrule dimension

Size (Tube OD)	Part Number		Dimensions				Wall Thickness
	304	316L	A	B	C	D	
1/2"	NA	L14AM7-.50-316	1.125	0.370	0.500	0.992	0.065
3/4"	NA	L14AM7-075-316	1.125	0.620	0.750	0.992	0.065
1"	-304	-316	1.125	0.870	1.000	1.984	0.065
1-1/2"	-304	-316	1.125	1.370	1.500	1.984	0.065
2"	-304	-316	1.125	1.870	2.000	2.516	0.065
2-1/2"	-304	0.5-316	1.125	2.370	2.500	3.047	0.065
3"	-304	-316	1.125	2.870	3.000	3.579	0.065
4"	-304	-316	1.125	3.834	4.000	4.682	0.083
6"	-304	-316	1.500	5.782	6.000	6.562	0.109
8"	-304	-316	1.500	7.760	8.000	8.602	0.109
10"	-304	-316	1.500	9.782	10.000	10.570	0.109
12"	L14AM7-12-304	-316	1.500	11.760	12.000	12.570	0.120



Tri clip ferrule dimensions and ferrule clamp size available in 0.065 Wall Thickness

Sanitary Size	Flange OD	ID of Tube	OD of Tube
1/2"	0.984	0.370	0.500
3/4"	0.984	0.620	0.750
1"	1.984	0.870	1.000
1 1/2"	1.984	1.370	1.500
2"	2.516	1.870	2.000
2 1/2"	3.047	2.370	2.500
3"	3.579	2.870	3.000
4"	4.682	3.834	4.000
6"	6.562	5.782	6.000
8"	8.602	7.782	8.000
10"	10.570	9.782	10.000
12"	12.570	11.760	12.000

How can you measure a long clamp size?

Tri-clamp connections get regularly employed in sanitary in food and beverage industries, pharmaceuticals, etc. Long clamp sizes conform to hygiene standards and regulations by the FDA and the USDA. While measuring, consider the outside diameter of the tube. The standard



sizes range from 1/2" to 12". Various applications conform to standards like I14am7 ferrule dimensions for their specific needs.

A long tri clamp usually has ferrules of 1" or longer. On the other hand, a short one uses a 1/2" size. The latter length offers less room for maneuvering during the welding. A long ferrule clamp size is usually more popular and available in different stainless steel grades.

Check TC ferrule dimensions available in 304 & 316L Stainless Steel material

What are tube OD tri clamp ferrule dimensions?

Using ferrules in tri clamps gives you room for welding during the installation of process lines. While calculating sanitary ferrule dimensions, you must measure the OD or the outside diameter of the tube. You can join compatible sizes straightaway. For example, tubes of 1" and 1.5" can use ferrules of 1.5". The larger gasket size is always preferred to establish a long-lasting connection that does not permit microbial growth. You can refer to a ferrule sizes chart to see your options.

Tri clamp reducing, weld and long ferrule used in food, dairy, pharmaceutical and beverage manufacturing environments

How can you weld a tri clover clamp ferrule?

These ferrules usually use stainless steel in 304 and 316 grades because of superior strength and corrosion resistance. Different mechanisms and products get used for the welding, such as clamp gaskets. An orbital weld is preferred for secure ensure connectivity. Since a tri clamp reducing ferrule may have to withstand temperatures as high as 2,100 degrees Fahrenheit, leak-tight connectivity is crucial.

Based on the type of welding and application-specific requirement, you can get tri clamp



ferrules of various kinds. For example, you can pick a plain recessed one with a weld bevel seat, a sanitary crimp ferrule, a threaded short or long ferrule, a tank weld, etc.

L14AM7 ferrule dimensions and long clamp sizes available from 1/2" to 12"

How can you clean a sanitary pipe ferrule?

It is of utmost importance that these ferrules be clean and sterile to prevent bacterial growth. Stainless steel often gets preferred for a tri clover clamp ferrule as it is corrosion resistant and can handle harsh cleaning without abrasion. Periodically cleaning and maintaining these ferrules is essential to protect them from contamination. The standard cleaning process includes chemical degreasing, acid pickling, and oxidation treatment. Cold and warm water may both get used.

A din 32676 tri-clamp ferrule gets specially manufactured to be free of irregularities. They also have good cleaning properties and don't retain any liquid or debris. It helps lower the risk of bacterial invasion. The goal of regular cleaning is to tackle grease, scaling, etc.

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