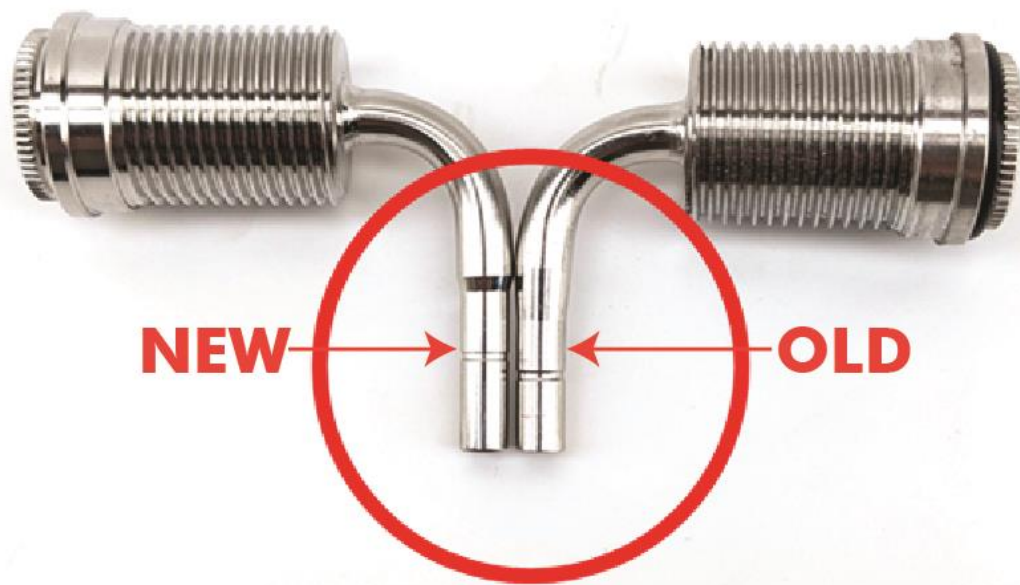


Duotight Barb Design Update

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Duotight Barb Change

KegLand makes several fittings such as short shanks ([KL01137](#)), pressure gauges and various other components that have a stainless or brass barb that are designed to fit into duotight fittings. This document describes a design revision which has been made to stainless duotight barbs after thorough testing and customer feedback to improve their reliability and usability, rather than to rectify a defect.

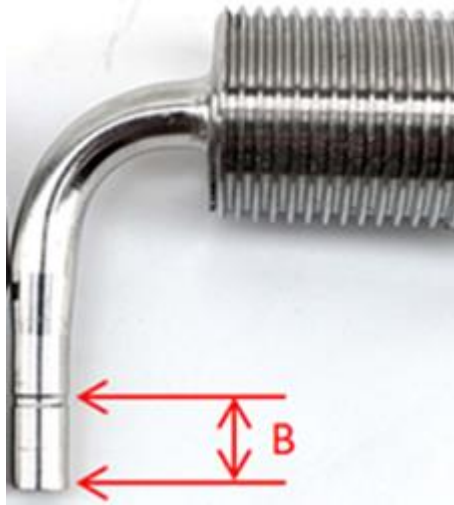
Potential Issue

The duotight fittings are designed with stainless steel teeth that grab into EVABarrier tubing. These teeth lock into the tube preventing lateral movement of the tubing and ensuring the line is pushed all the way onto the seat of the fitting. With metallic barbs such as the [KL01137](#) or pressure gauges etc. the duotight fittings cannot bite into the metal sufficiently and as a result duotight barbs have been designed with a groove in them as shown below:



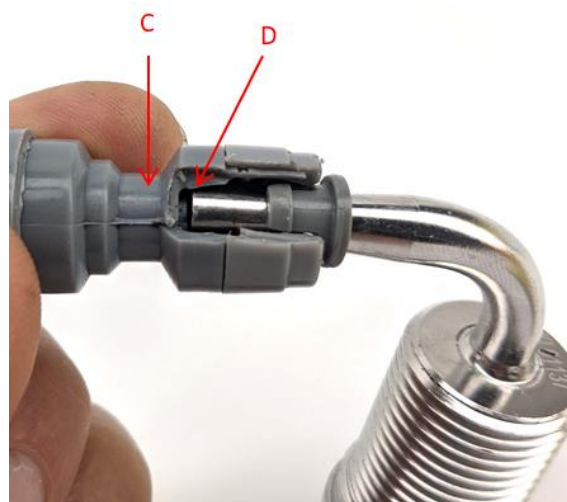
This groove is placed in such a way that the stainless teeth in the collet of the duotight fitting can lodge into the groove holding the fitting in place.

With fittings manufactured prior to March 2021 we used a 9.0-9.5mm distance (**B**) between the end of the barb and the groove.



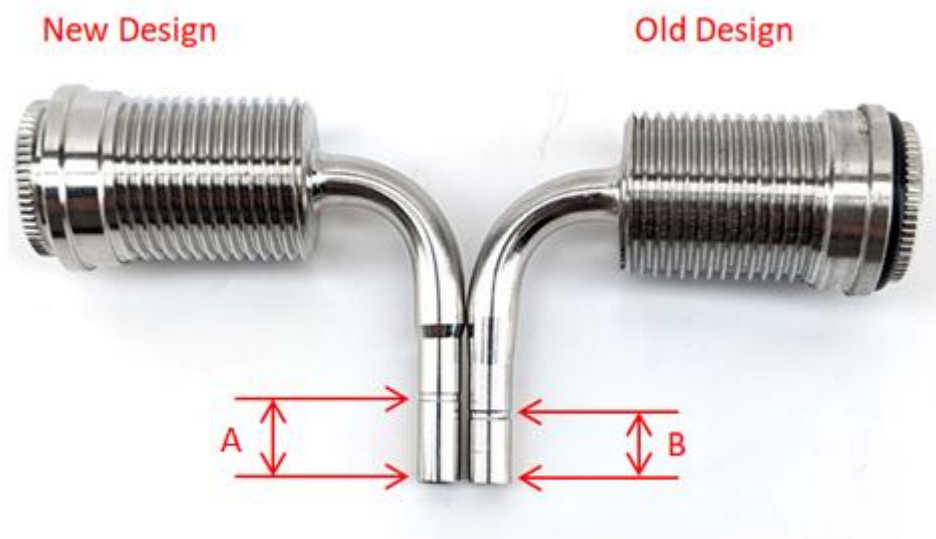
In some of the duotight ¼" (6.5mm fittings) this distance was too short.

As shown below if the distance between the end of the barb and the groove (**B**) is too small/short, the teeth of the duotight fitting engage with the groove, however, the barb (**D**) has not pushed all the way into the seat at position **C**. For correctly fitted duotight fittings, the barb (**D**) should be pushed all the way into the fitting until it hits the bump stop (**C**). This is particularly important as it prevents lateral movement and greatly increases the reliability of the part.



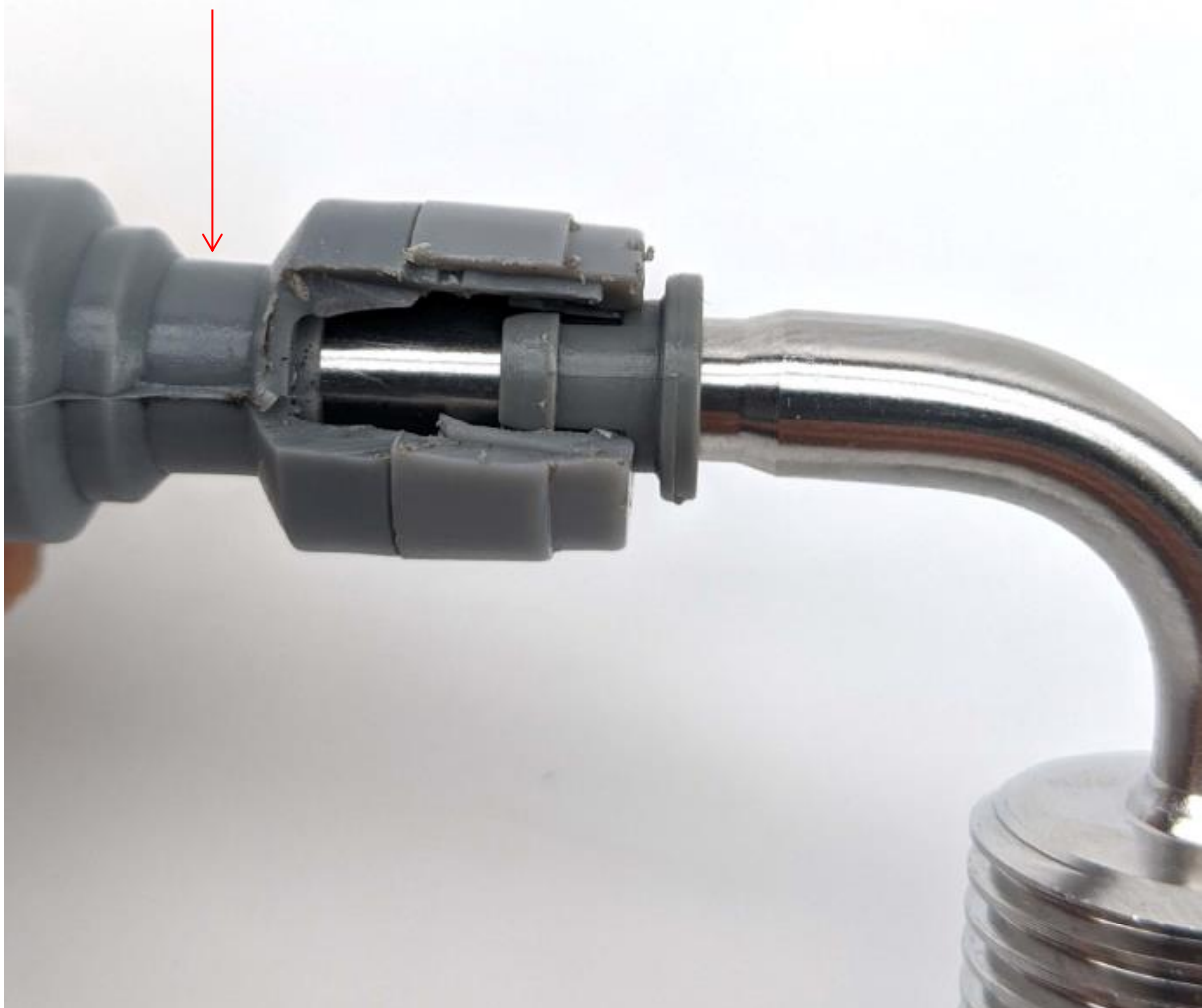
New Duotight Barb Specification

For all duotight barbs manufactured after March 2021 they will use a greater distance between end of the barb and the groove.



As shown in the image above all new duotight fittings will have a distance of 11.0-11.5mm between the end of the barb and the groove **(A)** rather than the shorter distance of 9.0-9.5mm **(B)** which is present in fittings manufactured prior to March 2021.

By increasing the distance between the end of the barb and the groove to 11.0-11.5mm, it ensures that when the stainless teeth engage with the barb the barb is sufficiently pushed into the duotight fitting. Right up to the arrow shown below:



Hence, as soon as you hear the audible click of the teeth grabbing onto the duotight barb this is an indication that the fitting has been sufficiently inserted into the duotight fitting. You can also give the duotight fitting a gentle pull to ensure the teeth are locked into place on the groove of the barb.