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Anodising Tolerances

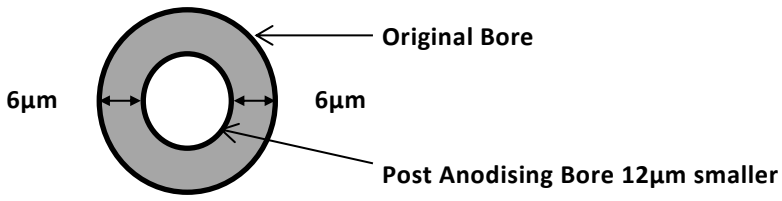
Decorative Anodising

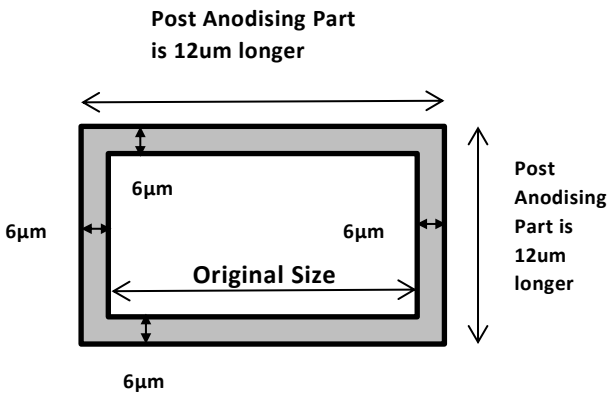
Anodising is a process which converts the surface of the original aluminium to an anodised layer. In the case of Clear Anodising this layer is 12 microns in thickness.

This layer has an in-growth into the original aluminium approx 50% and an out-growth on the aluminium approx 50%.

So an internal diameter is reduced in size by 12 microns this can affect tolerance dimensions such as bearing fits etc.

Clear - 12µm,
Red, Gold, Purple, Blue - 15µm
Black, Green - 20µm





Hard Black Anodising

Note : Anodising is a process which converts the surface of the original aluminium to an anodised layer. In the case of hard black anodising this layer is 45 to 55 microns in thickness. This layer has an in-growth into the original aluminium approx 50% and an out-growth on the aluminium approx 50%. So an internal diameter is reduced in size by 50 microns This can affect tolerance dimensions such as bearing fits etc.