

DURLON®

TECHNICAL BULLETIN

The use of welded PTFE and dovetail joints with soft cut gasket materials

For the large size gasket, specially soft cut material, there are often two methods of fabrication of large gaskets which are bigger than the size of the sheet gasket material from which they are cut, Durabla provides welded PTFE and dovetail joints gasket for large size requirement.

The use of dovetail joints with soft cut materials

Dovetail joining is a technique often used for the fabrication gaskets. We fabricate the large size gasket by dovetail joints with the material of non-asbestos fiber, graphite laminate and modified PTFE (DURLON Series) products. Use this method gasket can be produced for any large size.

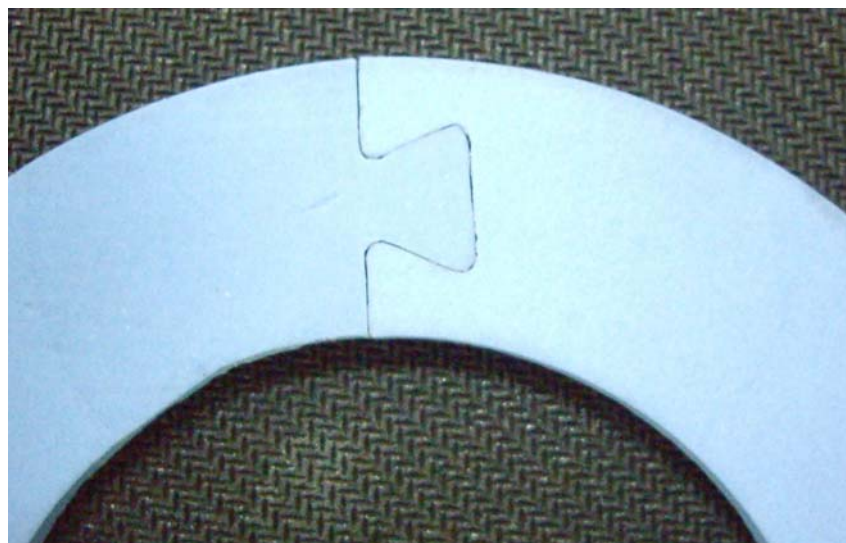
Use the accurate cutting method into the interlocking joints of large segmented gaskets.

Interlocking joints must be cleanly and accurately cut. Ideally using water-jet or laser cutting techniques.



The segmented gasket should be carefully assembled on the sealing surface of the clean opened flange. Attention should be given to ensure the assembled gasket is correctly located.

Hold the joint in from of a light source, for the high quality fit there should be no,or



minimal visible backlight.

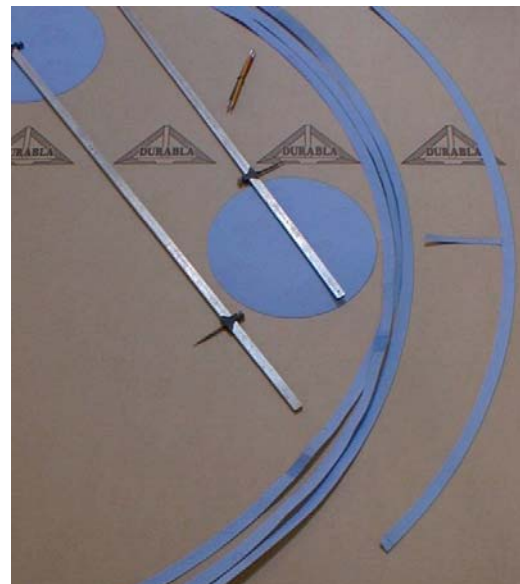
Durabla generally recommend the use of a frame cutter or some other precision cutting technique when preparing the joint, to ensure a close tight fit between the male and female sections of the joint and minimize leakage potential.

For the group of material additional joint integrity may be improved by wrapping the dovetailed connection with PTFE thread seal tape, we recommend the use of single wrap tape. To minimize creep potential, the number of wraps should be kept into a minimum. When using this it is essential that the operational parameters of the application are within the capability of PTFE, particular attention should be given to the maximum continuous exposure temp for PTFE is 260 C degree.

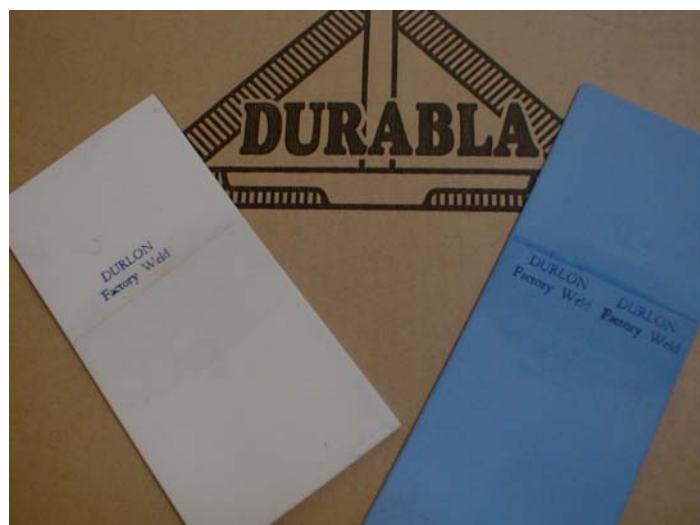
The use of welded PTFE gasket

Also Durabla recommend the use of welded PTFE joints for large gasket, welded joint results in a homogenous gas tight joint with little or no effect on sealing performance under normal operational conditions.

Durlon PTFE welded



Durlon PTFE welded



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