

Title (en)  
ENERGIZED RESTRAINING GASKET FOR MECHANICAL JOINTS OF PIPES

Title (de)  
ERREGTE HALTEDICHTUNG FÜR MECHANISCHE ROHRVERBINDUNGEN

Title (fr)  
JOINT D'ENCASTREMENT SOLLICITE POUR RACCORDS MECANIKES DE TUYAUX

Publication  
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Application  
**EP 03774835 A 20031015**

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Abstract (en)  
[origin: WO2005047745A2] The present invention may be basically described as a gasket for converting a standard mechanical joint into a restrained mechanical joint without the need for altered configuration of the bell, spigot, or gland of the joint, and without the need for additional fittings or devices. In the practice of the present invention, a standard mechanical joint's bell and gland configuration can be employed to connect a spigot end of one pipe length to the bell end of another pipe length in a restrained relationship, with the restraint based on forces superior to rubber-to-pipe friction. In more particular discussion of the embodiments taught, the invention includes forming the gasket to fit within the bell in such a manner that a void, or gutter, exists during rest, into which void the gasket compresses, which in turn influences the rotational motion of the segment. In this manner, the configuration of the gasket influences the timing and extent of rotation throughout the process of securing the gland to the bell.

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