

ABSTRACT

A SELF-SUPPORTING GRIPPING DEVICE FOR USE WITH A NUT AND BOLT ASSEMBLY

Embodiments of the invention provide a self-supporting gripping device
5 and a method for gripping a nut or bolt of a nut and bolt assembly. The self-
supporting gripping device comprises: a main body having a fixed frame, an
adjustable frame movably cooperable with the fixed frame to define an opening
therebetween; an attachment mechanism provided at the main body for
releasably attaching the main body to a neighbouring structure on which the nut
10 and bolt assembly is installed and maintaining attachment thereto without user
intervention; and a positioning mechanism provided at the main body and
coupled to the adjustable frame for positioning the adjustable frame in a gripping
position in which the fixed and the adjustable frame securely grip a nut or bolt of
the nut and bolt assembly received into the opening.

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(Figure 1A)