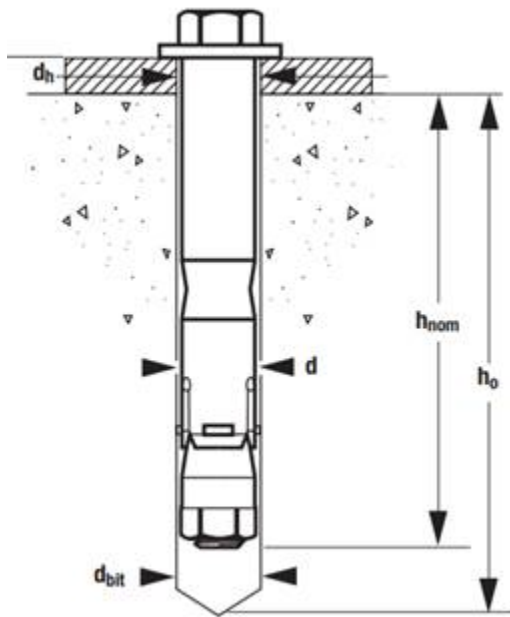


Our Power-Bolt and Power-Bolt+ must be installed with the sleeve extending through the fixture [hanger] as show in the picture below. Neither the installation with the washer removed nor the installation with the washer in place, but the bolt passing through the 3/8" [hanger] are valid. For the 1/2" Power-Bolt+ a 1/2" fixture must be used. In the tech sheet (linked below) we call out a minimum fixture hole diameter of 9/16".

[Power-Bolt®+ Tech Page \(dewalt.com\)](#)



This anchor is torque-controlled and is only properly set and torqued when the sleeve is through the fixture. As the bolt is torqued, the compression ring allows the cone and retention nut to move toward the fixture, forcing the expansion clip to expand to hold the anchor in place. The shear strength of these anchors is based on the sleeve passing through the fixture and when the only the bolt passes through the fixture, the shear strength is entirely dependent on the strength of the bolt itself, which is substantially lower than the sleeve. Similar logic applies to the Power-Bolt as well.

It is worth noting that we have only tested our anchors in concrete. We have investigated testing in rock as rock climbing is a common application for these bolts, but due to variability in rock we decided not to pursue it further.

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Field Technical Manager