

STREAMING VIDEO TEXT

PEX Pipe - Crimp Ring Fitting

The common fitting system that we'll demonstrate today is the Crimp Ring Fitting system and these fittings are made out of brass, copper, or polymer for the fitting insert. All these fittings use the same copper crimp ring, so this is a deformable round ring made of copper that will go around the outside of the pipe. To install a crimp ring fitting, the important first step is to have a clean square cut on the end of the PEX tubing. You do that not with hack saw, not with a pocket knife, but with a proper pipe cutter where you do a very fast clean square cut just to ensure you get a good fitting. After a clean square cut is made, we take the ring and slide it over the pipe and keep it about 1/8" from the end of the pipe. The next step is to take the fitting and insert that into the pipe; there's a little bit of interference there and that's good because it keeps the fitting from falling out. Then before you compress it, make sure the ring is lined up just centered over these two centered ribs; that means you'll have two ribs for compression to prevent leaks. Next, we take the tool and open it all the way, sliding up and over, and it's important to keep the tool perpendicular with the ring, and then compress it and it's done. To ensure that the fitting was done correctly, we use a gauge called a go/no-go gauge to make sure the ring was compressed correctly. To make sure it was compressed enough, we start with the go portion and slide it over the ring. In this case, the ring is compressed correctly – the go side goes over and that's good. To make sure the ring was not over-compressed; we use the no-go portion and make sure that it does not go. Since it does not go over the ring, that means the ring was not over-compressed, which is also good.