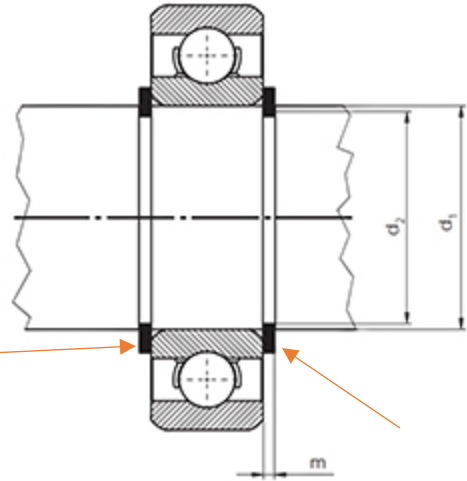


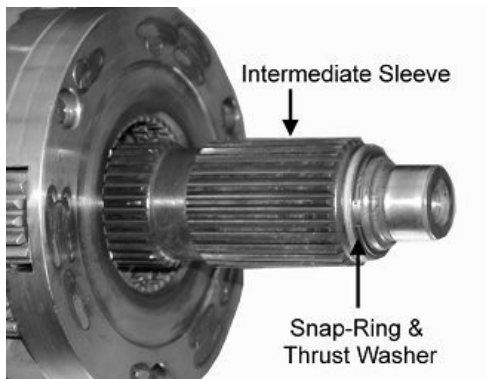
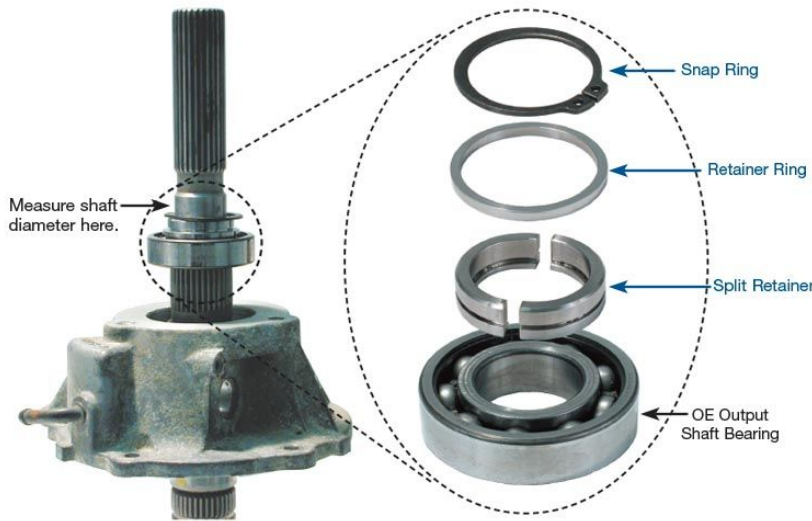


The answer for the “Plier-like” object – it is a *C-Clip plier* meant for installing and removing c-clips (aka retaining clip, retaining ring, snap ring)



VIDEO:

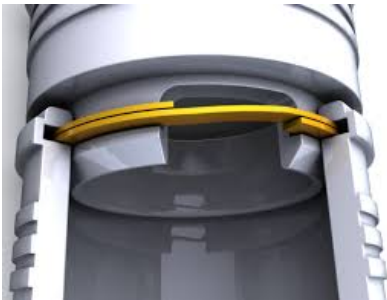
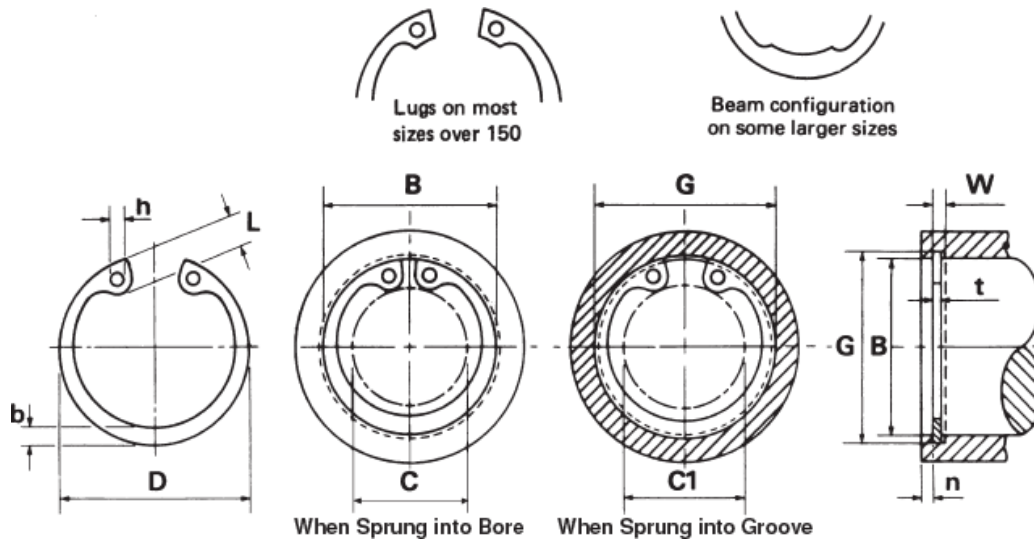
<https://www.youtube.com/watch?v=cNOC1sh6ju0>



External clip – meant for retaining objects such as bearings on a shaft. Note that there are grooves cut into shafts for the retaining rings. The grooves are stress concentrations and the shaft designer must consider that (keep the nominal stresses low). Retaining rings cannot hold much thrust loads – but enough to keep bearings and such from “walking” (moving with minimal “push or



Internal clip – meant for mounting inside some sort of housing:



Removal and installation video of a different type of internal clip:

<https://www.youtube.com/watch?v=dvWY1s0zmHw>