

TMC custom free hanging tools

The "EC520 Angles only" driver gives all the distances and angles of each of the segments of the excavator, including the bucket segment (G-J). Then, on TMC, we can define geometries for different attachments, however, the G-J angle will still be taken from the EC520, which means that we still need to create separate buckets for each tool and go into the tech webui to select the proper one, since different buckets will have different G-J angles.



In the case of hanging tools, if they are fixed to the G point of the stick, we can ignore the EC520 calibration, since G-J length is 0, so no angle will be used, but if they are using a snap on, then, the pinpoint of this snap on (where the rest of the tool hangs) will be considered the J point, so we must define this bucket into the EC520 and select it to be used when this tool type is used on TMC. For creating the attachment on the EC520, we will enter the G-J distance as in the image below and will plumb it for the cal process, while setting the rest of the values as 0. For the flat area calibration, we can leave the G-J plumbed, so we ignore that part.



Then, the rest of the geometry will be defined within TMC as in the pics below. Each of the segments represents a vector for TMC. **The right tool must be selected in the EC520 and in TMC.** No further calibration on TMC is required.



