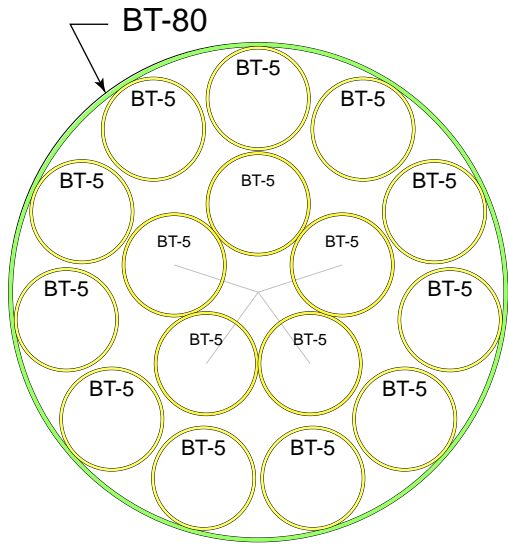
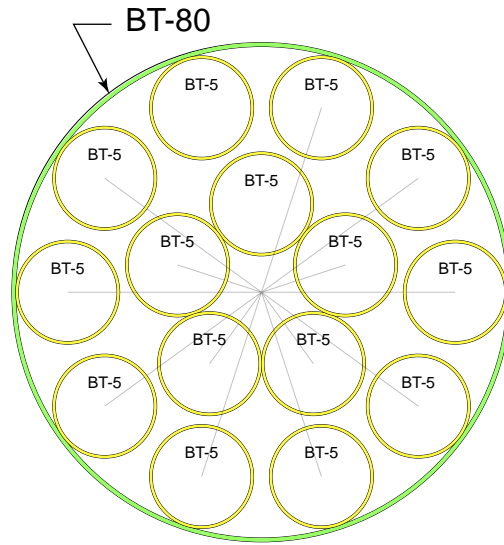


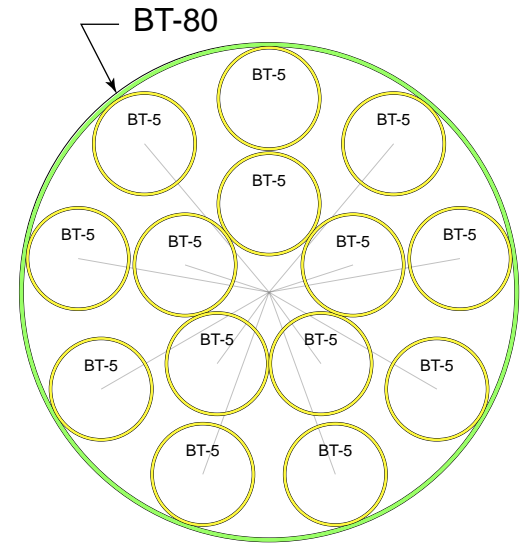
Cluster arrangements for BT-80 (page 1/6).



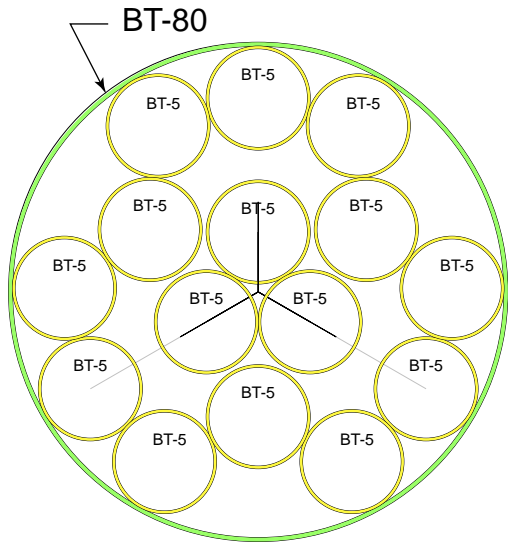
16 BT-5 tubes in a BT-80 is the maximum. 11 on the perimeter is a maximum, too.



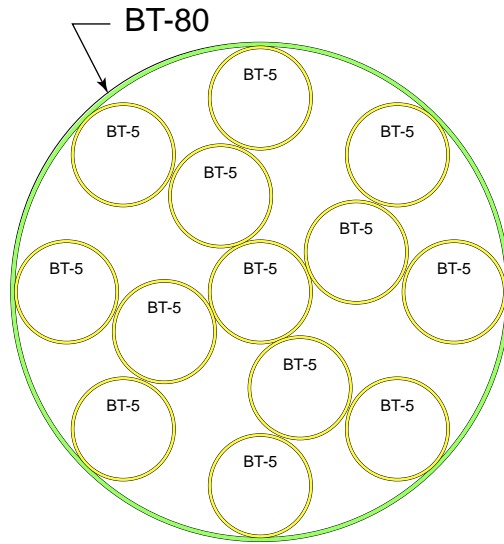
With 10 on the perimeter, only 15 will fit, but some symmetry is achieved.



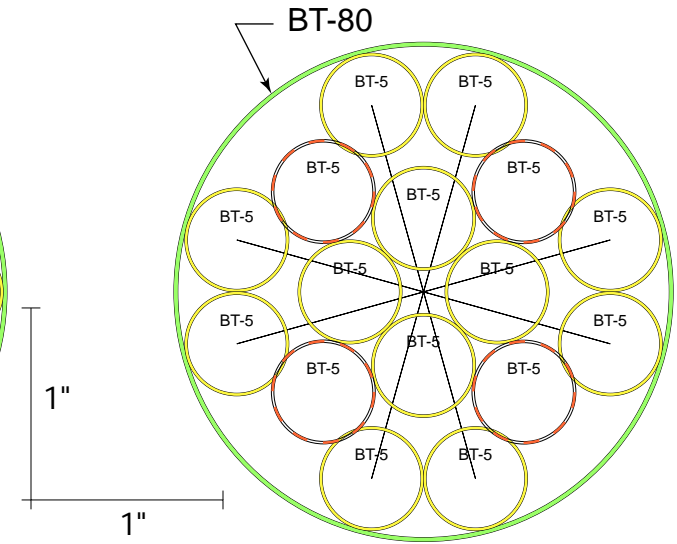
Reducing the perimeter to 9 tubes does not make enough room to add more to the interior. Net 14 BT-5's.



By arranging the nine perimeter tubes in this fashion, 6 interior tubes will fit for a total of 15 BT-5's.

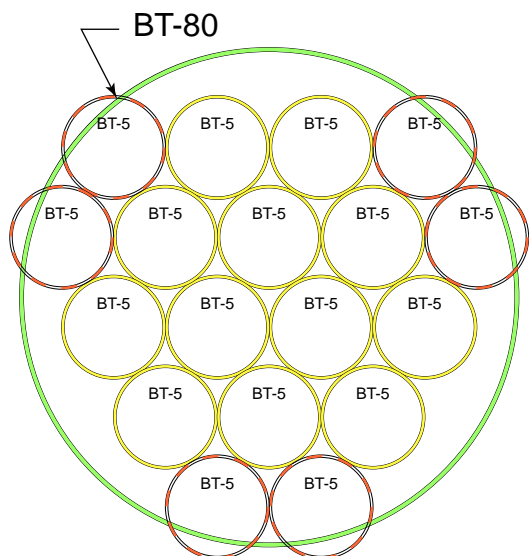


Going to 8 evenly spaced on the perimeter does not allow any more interior tubes, even after re-arranging the inside tubes. Net 13 BT-5's.

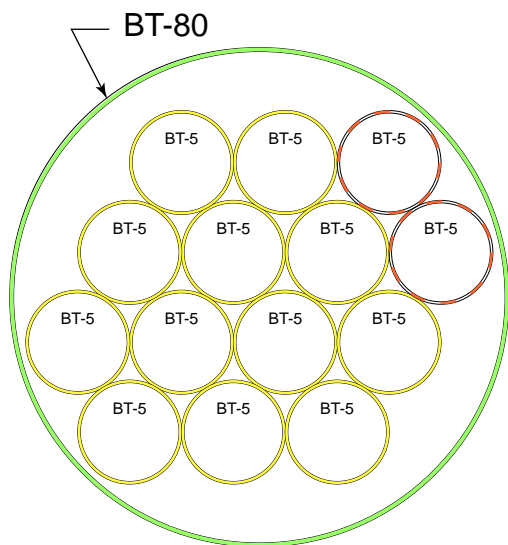


Pairing the perimeter tubes adds some more space, but this group of 16 is too tight. 12 fits nicely though.

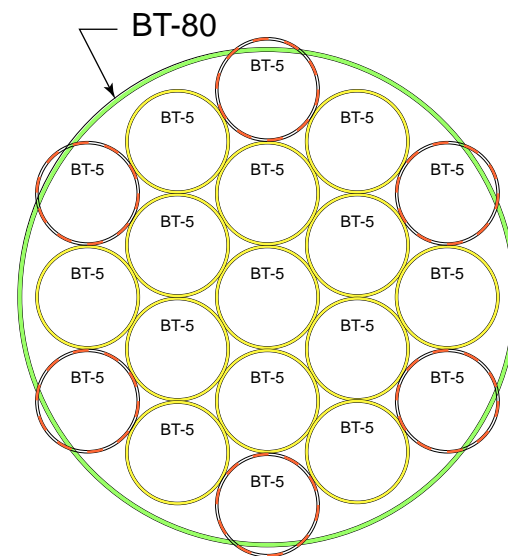
Cluster arrangements for BT-80 (page 2/6).



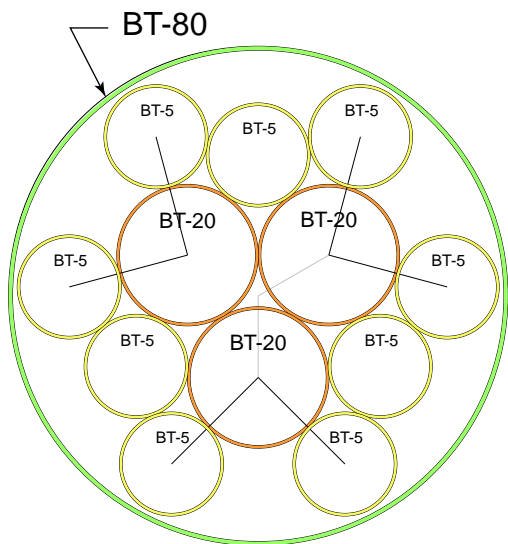
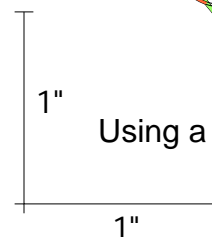
This compact arrangement still only nets 12 BT-5's. And, no, those gaps are not big enough to add more.



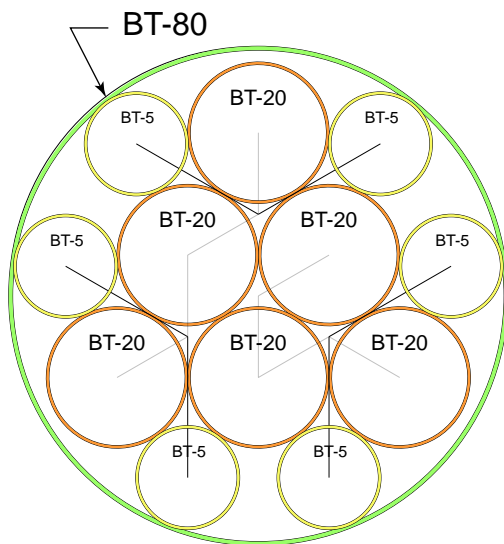
But, if it is shifted a little, 14 will fit.



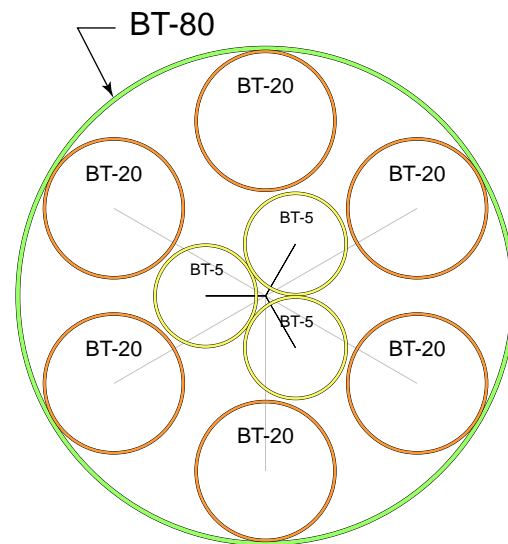
Using a center tube yields 13, but not 19.



3 BT-20's with 9 BT-5's in a BT-80.

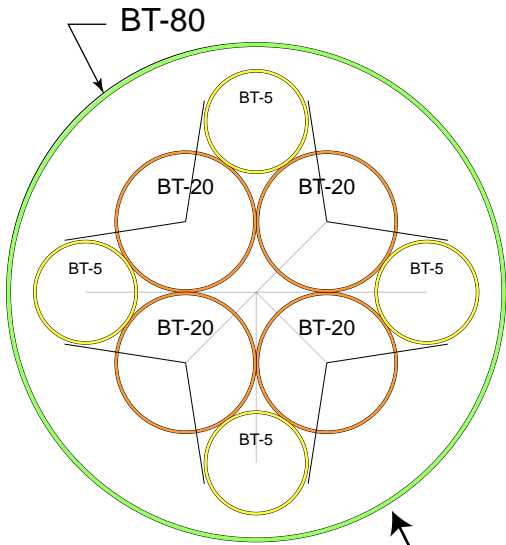


6 BT-20's with 6 BT-5's; BT-5's are a little tight, but should fit OK.

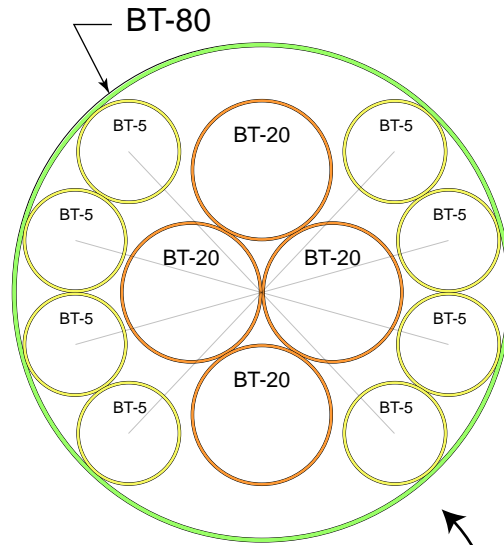


6 BT-20's and 3 BT-5's fit in this configuration.

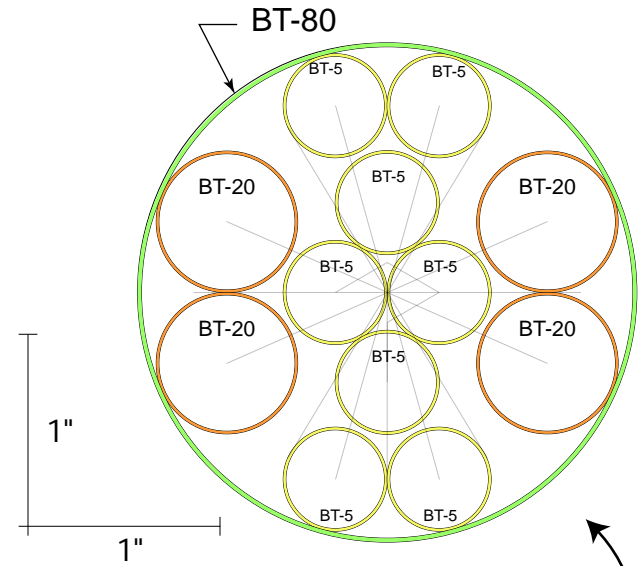
Cluster arrangements for BT-80 (page3/6).



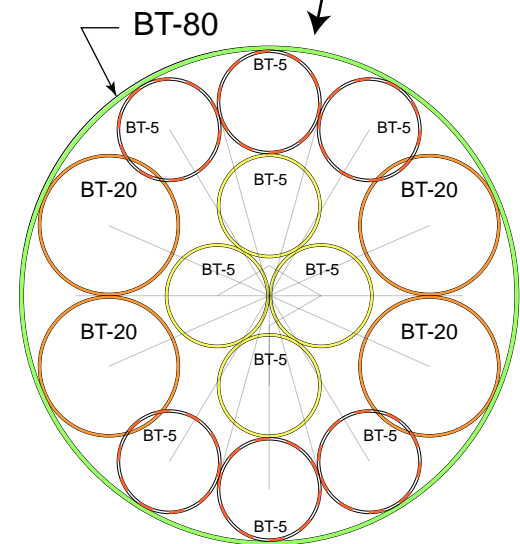
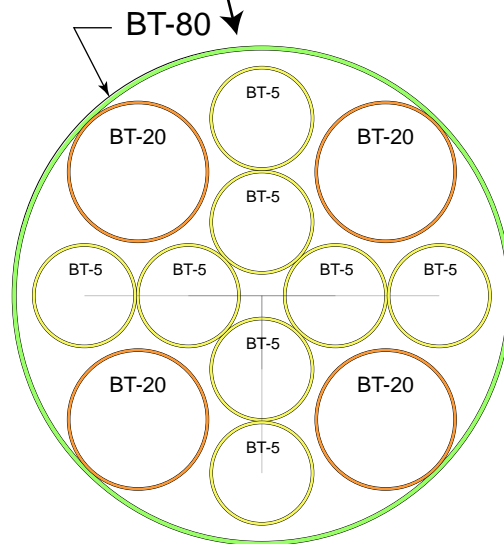
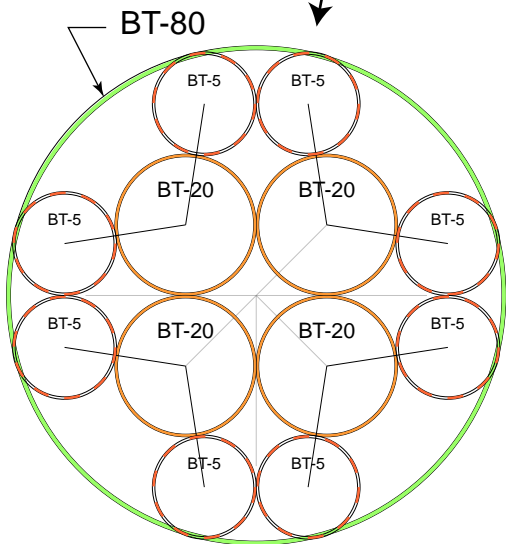
4 BT-20's and 4 BT-5's fit easily, but 8 BT-5's is very tight.



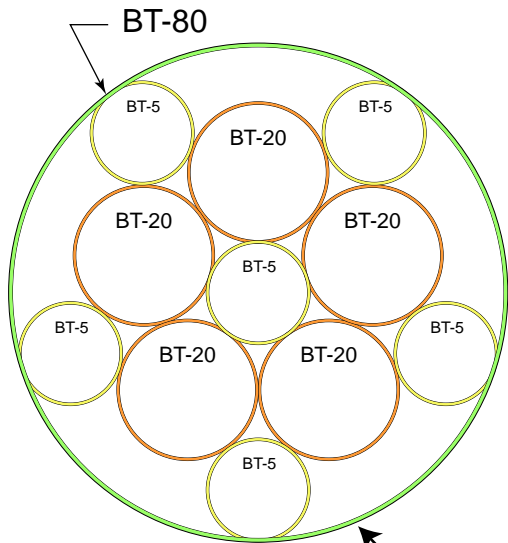
4 BT-20's and 8 BT-5's fit easily in this configuration, and this one, too.



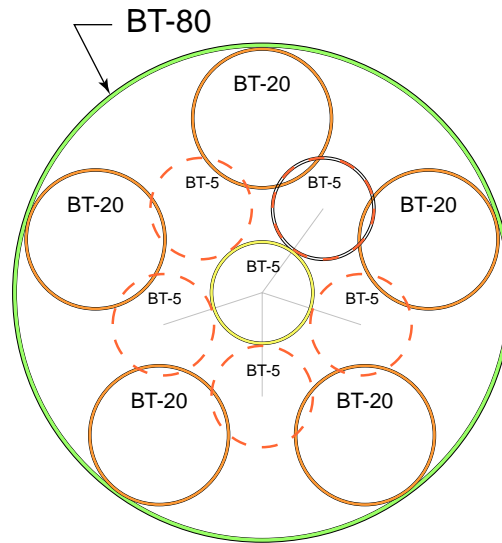
Again, 4 BT-20's and 8 BT-5's fit easily in this configuration, but 10 BT-5's just won't go.



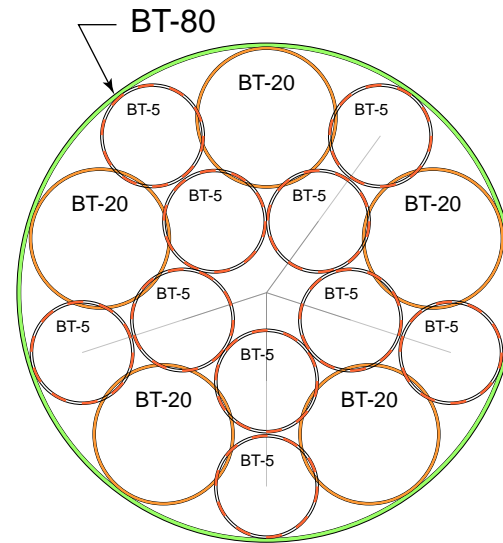
Cluster arrangements for BT-80 (page 4/6).



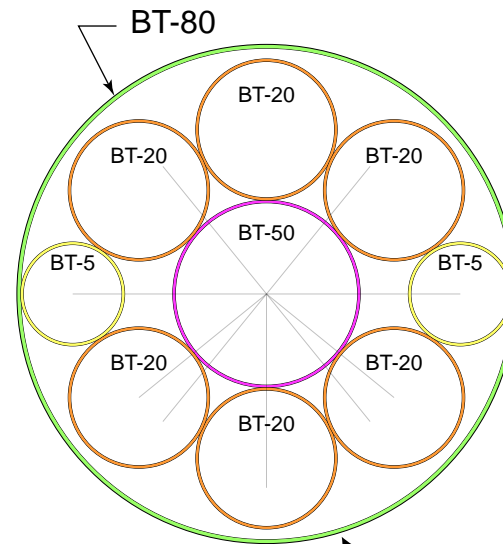
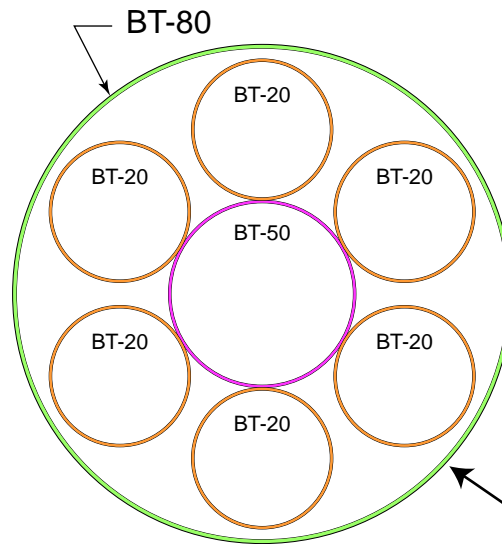
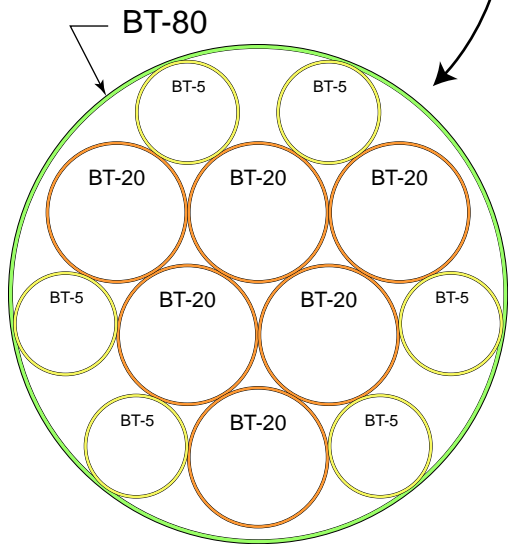
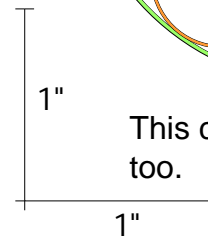
5 BT-20's and 6 BT-5's is a tight fit in this configuration, but 6 of each fits much better here, and looks like more fun, too.



This configuration is a bust.

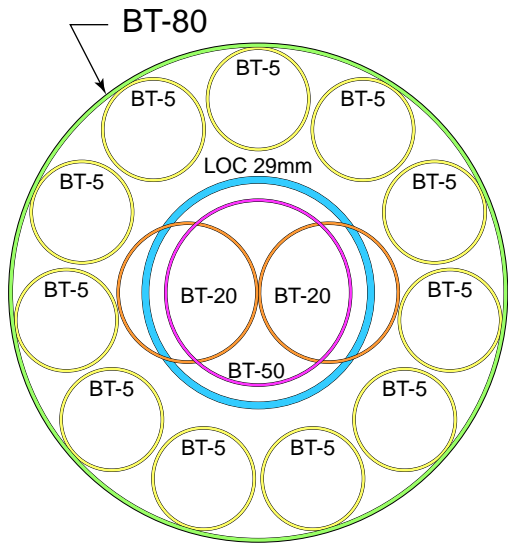


This configuration is a bust, too.

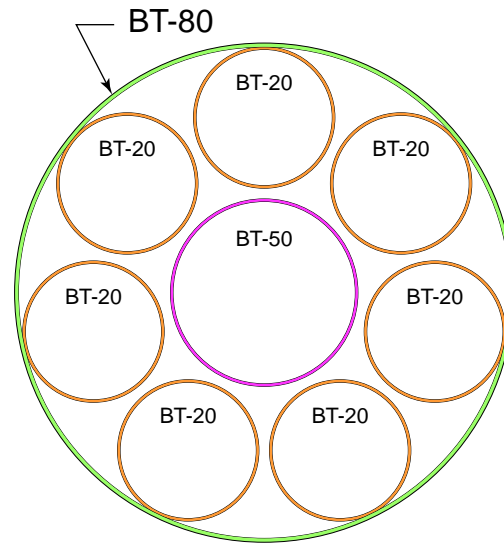


This simple setup has one BT-50 and six BT-20's....but with a little rearranging, two BT-5's can be squeezed in, too.

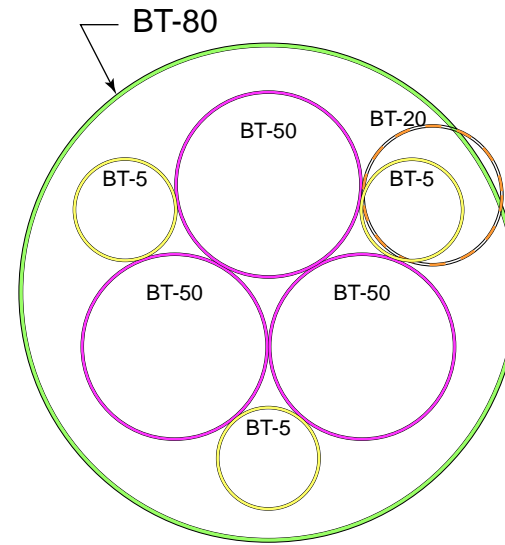
Cluster arrangements for BT-80 (page 5/6).



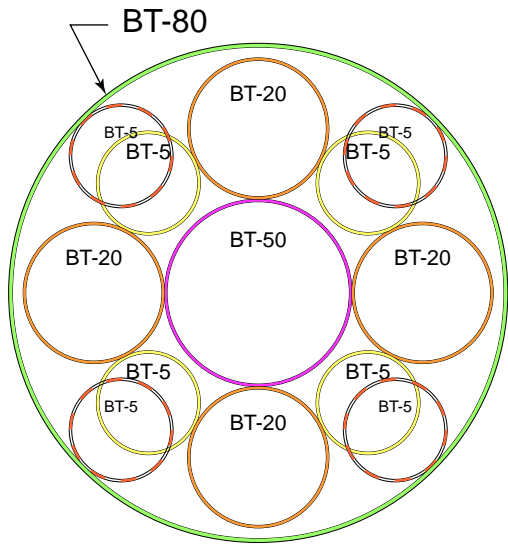
Instead of five BT-5's in the center (page1), two BT-20's or one BT-50 or one 29mm tube will fit with up to 11 BT-5's on the perimeter.



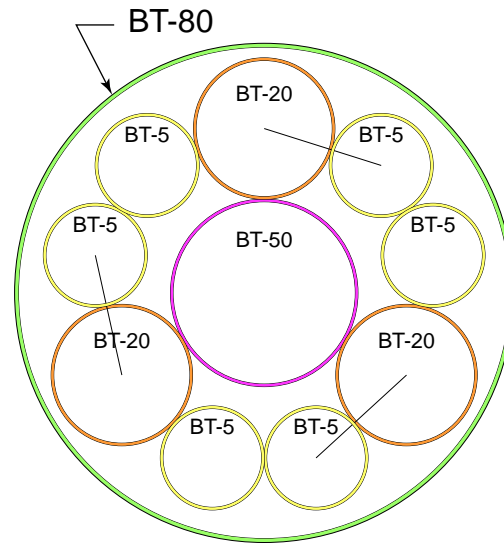
Seven BT-20's will fit around a BT-50.



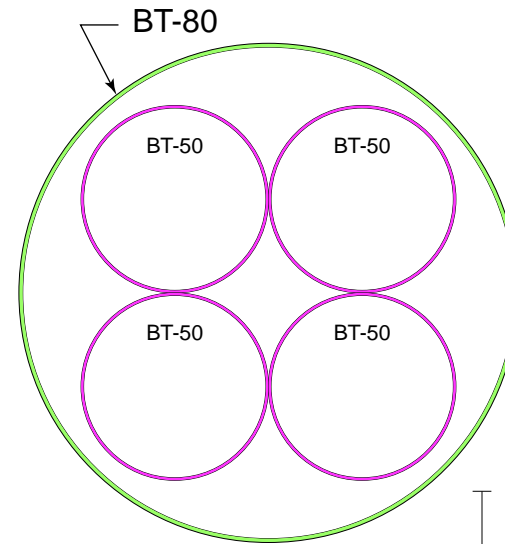
Three BT-50's will fit easily. BT-5's will fit in the gaps, but not BT-20's.



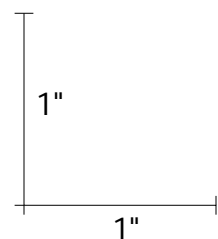
Four BT-20's and one BT-50 along with four BT-5's. The BT-5's can be on the perimeter, or can be moved inboard a little.



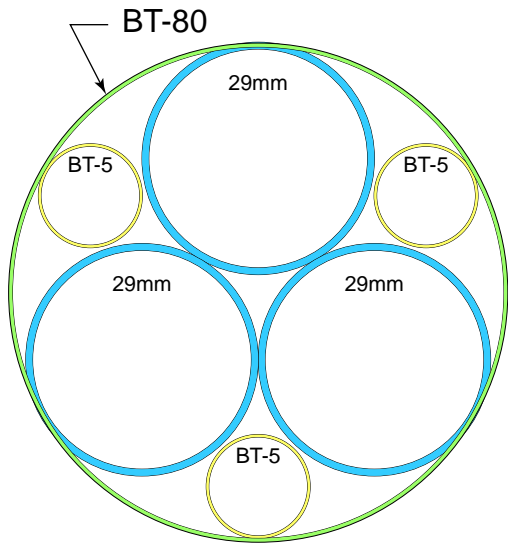
Three BT-20's with six BT-5's will fit around a BT-50.



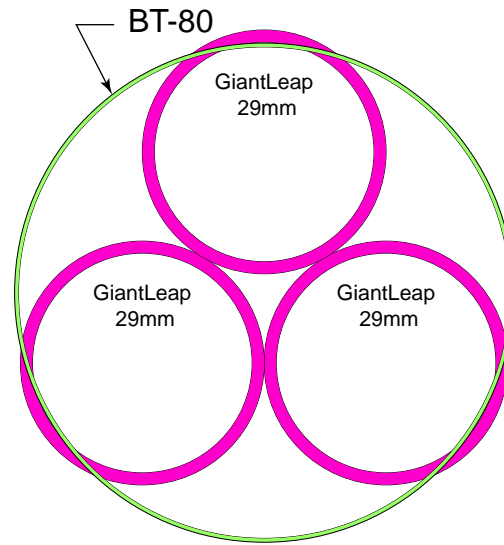
And four BT-50's will fit, too.



Cluster arrangements for BT-80 (page 6/6).



Three LOC 29mm tubes will fit snugly, and three BT-5's can be squeezed in, too.



But using other (thicker-walled) 29mm tubes is a bust.

