Sample Changer 9-cog Drive wheels (4 per sample changer)

2/27/2003

1" = 1"

Inner cusps have a minimum distance from the center of 1.19"

The radius of each of the 9 cusps is .68", to fit the sample cups of the snake chain.

40 degrees between cusps

(lip not shown)

KMS Plastic Raceway Double Row ball bearing assembly AR16DR-G, 1" ID, 2" OD, .75" high, Plastic non-magnetic bearings w/ glass balls

No-slip sprockets from PIC Design FRG6-050, shaft size 0.2498", OD 2.116", fits with PIC FRA-190 or similar Aramid (Kevlar) belt. Two assemblies have two sprockets, the other two (on the outside), one.