APTA 140 WHEEL PROFILE
ACCEPTANCE GAGE

USE WITH 1/32" PIN

Point #2 (-0.58211044, 0.29330266) FLANGE ANGLE END POINT
Point #3 (-0.55280735, 0.0690806997) FLANGE ANGLE END POINT
Point #4 (-1.2969, 0.3094989) R0.688
Point #5 (-1.2969, -0.3790011) TAPER START POINT

REFERENCE:
NARROW FLANGE PER Standard S-622-78 & S-623-58
MODIFIED TO PROVIDE 72.5 FLANGE ANGLE
1 IN 40 TAPER

APTA 140 Wheel Profile
Modified to provide 72.5 flange angle
which basically replaces the 1 7/8 radius
which only provides 65.6 degree angle

VERIFIED WITH CONTOUR MAPPING
MAX MANUFACTURE DEVIATION: .003"
MAX RECERTIFICATION DEVIATION: .005"

WINCHESTER INDUSTRIES INC.
AMTRAK CONTOUR ACCEPTANCE GAGE

Material:
Stainless Steel 17-7
Thickness: 1/8"
Hardened

Scale: 1X

CUSTOMER
ENG JCD 8/14/2008