POINT LOCATIONS
1. (0,0) CENTER 5/8 RADIUS
2. (-2.00426, -1.02244) CENTER 2 7/8 RADIUS
3. (-1.32813, 0.375) CENTER 3/4 RADIUS
4. (-0.58475, 0.22624) END CONNECTING LINE
5. (-0.526407, 0.110252) END CONNECTING LINE
6. (-1.32813, -0.375) START 1 IN 40 TAPER

IMPORTANT:
5/8 RADIUS AND 3/4 RADIUS DO NOT INTERSECT
LINE TANGENT TO BOTH ARCS CONNECTS

DEFINED GAGE POINT 0.00486388 INCHES
OFF GAGE SURFACE

REFERENCE:
TREAD AND FLANGE CONTOUR FOR
WIDE FLANGE STEEL FREIGHT CAR WHEELS
Standard
Adopted: 1928; Revised 1978
MODIFIED TO HAVE 1 IN 40 TAPER

VERIFY WITH CONTOUR MAPPING
MAX MANUFACTURE DEVIATION: .003"
MAX RECERTIFICATION DEVIATION: .005"
NON-GAGING OUTSIDE +/- 1/32"

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

SCALE: .75

WINCHESTER INDUSTRIES INC.
FLANGE CONTOUR GAGE

CUSTOMER  ENG  JCD  9/18/37