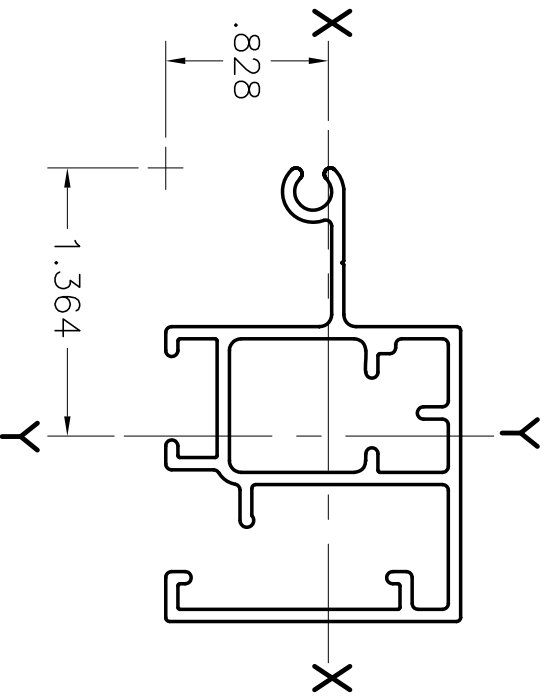


1-1/2" Retainer - Part #2053

Scale = 1 : 1



Area:

0.5736

Perimeter:

17.5151

Bounding box:

X: 0.0000 -- 2.3075
Y: 0.0000 -- 1.5000

Centroid:

X: 1.3642
Y: 0.8276

Moments of inertia:

X: 0.5180
Y: 1.3076

Product of inertia:

XY: 0.6527

Radii of gyration:

X: 0.9503
Y: 1.5099

Principal moments and X-Y directions about centroid:

I: 0.1249 along [0.9990 0.0444]
J: 0.2404 along [-0.0444 0.9990]

Section Modulus:

X-X: 0.151in³
Y-Y: 0.174in³



3032 WALKER RIDGE DR.
GRAND RAPIDS, MI 49544
TOLL FREE: (616) 794-0405 FAX: (616) 794-0411

CUSTOMER Commercial
DESCRIPTION 1-1/2" Retainer

DWG NO. 2053
DATE 2-6-13

SHEET 1 OF 1
REV