

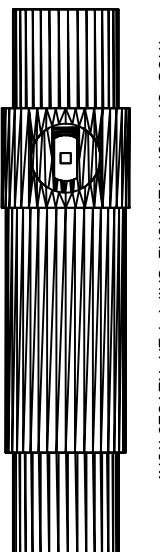
REFINING SKS ACCURACY:

RANGE ESTIMATION AND IMPROVED SIGHT PICTURE USING A SQUARE-PROFILE, TARGET-PROPORTIONED FRONT SIGHT.

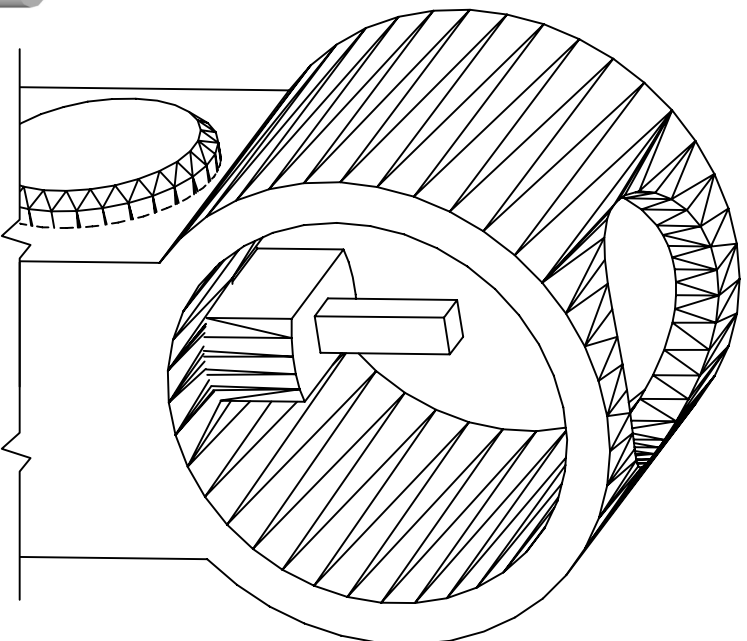
SIGHT POST WIDTH 6 MOA, 0.053"

SIGHT POST HEIGHT 20.4 MOA, 0.181"

SIGHT POST THREAD PITCH M6X0.75, THUS 5.4 MOA VERTICAL SHIFT PER REVOLUTION.

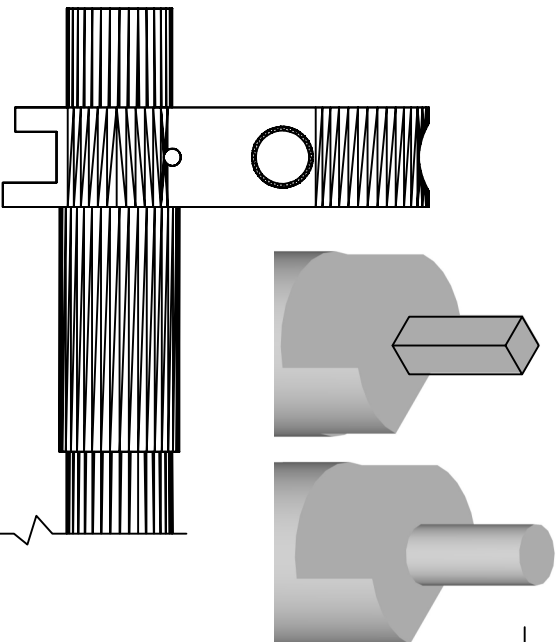


ROUND PROFILE FRONT POST REPLACED WITH SQUARE PROFILE POST.
FLAT SIDES PRESENT GREATER UNIFORMITY IN SURFACE VALUE (SHADING) THAN CURVED SURFACES. CURVED SURFACES HAVE MORE VALUE GRADIENT- MORE VARIATION IN LIGHT AND DARK OVER THEIR SURFACE.



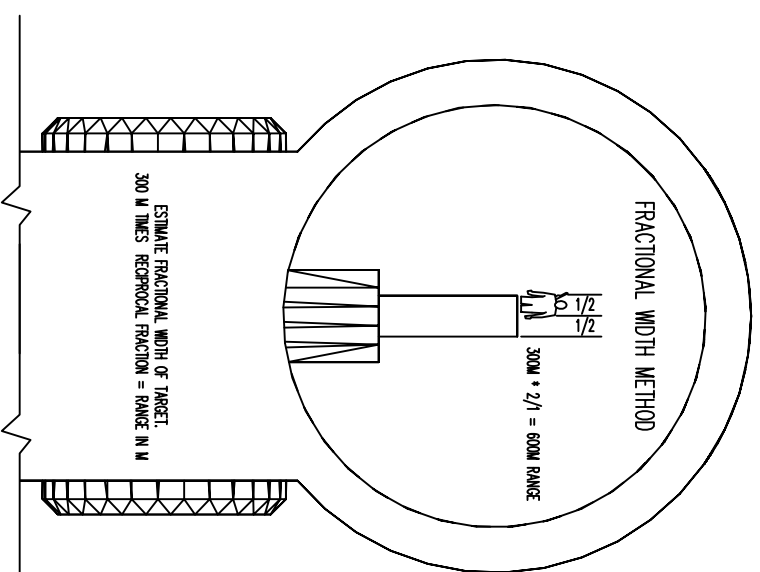
0.053 IN, 6 MOA

0.181 IN, 20.4 MOA



70" HT
TARGET,
RANGE 300M

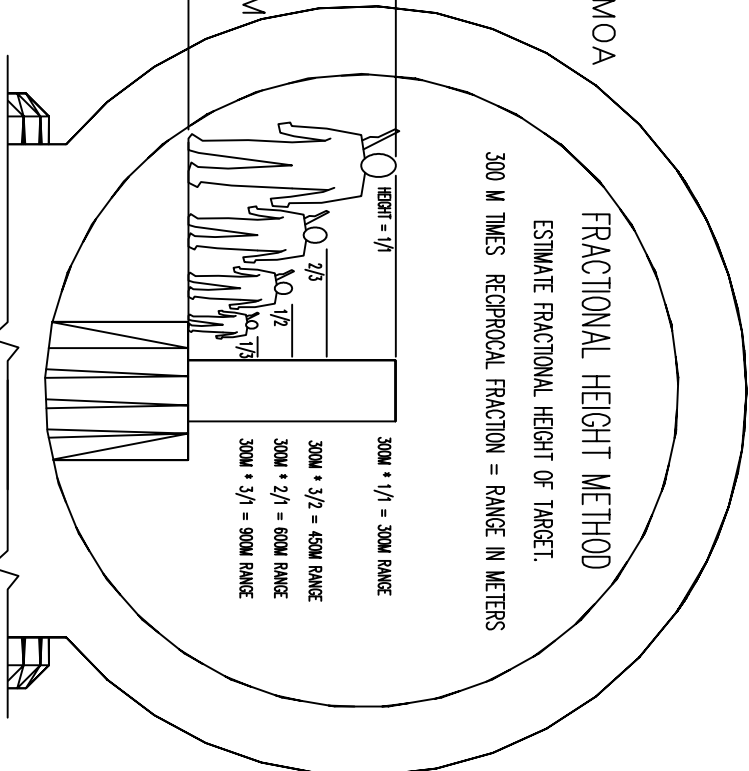
70" HEIGHT 21" WIDE TARGET,
SEEN AT RANGE = 300M = SKS BATTLE SIGHT ZERO.
FRONT POST PROPORTIONED TO MATCH
WIDTH AND HEIGHT OF THIS TARGET AT 300M (BSZ) RANGE.
THIS SIMPLIFIES RANGE ESTIMATION CALCULATIONS- TO ESTIMATE
RANGE, YOU SIMPLY MULTIPLY 300M TIMES A SIMPLE FRACTION.
THIS FRACTION IS THE INVERSE RATIO OF THE TARGET SIZE
COMPARED TO THE FRONT POST.
RANGE ESTIMATION POSSIBLE BOTH Laterally AND VERTICALLY.



FRACTIONAL WIDTH METHOD

$300M \times \frac{2/1}{1/2} = 600M$ RANGE

ESTIMATE FRACTIONAL WIDTH OF TARGET.
300 M TIMES RECIPROCAL FRACTION = RANGE IN M



FRACTIONAL HEIGHT METHOD

ESTIMATE FRACTIONAL HEIGHT OF TARGET.

300 M TIMES RECIPROCAL FRACTION = RANGE IN METERS

$300M \times \frac{1/1}{1/4} = 300M$ RANGE
 $300M \times \frac{3/2}{1/2} = 450M$ RANGE
 $300M \times \frac{2/1}{1/2} = 600M$ RANGE
 $300M \times \frac{3/1}{1/3} = 900M$ RANGE