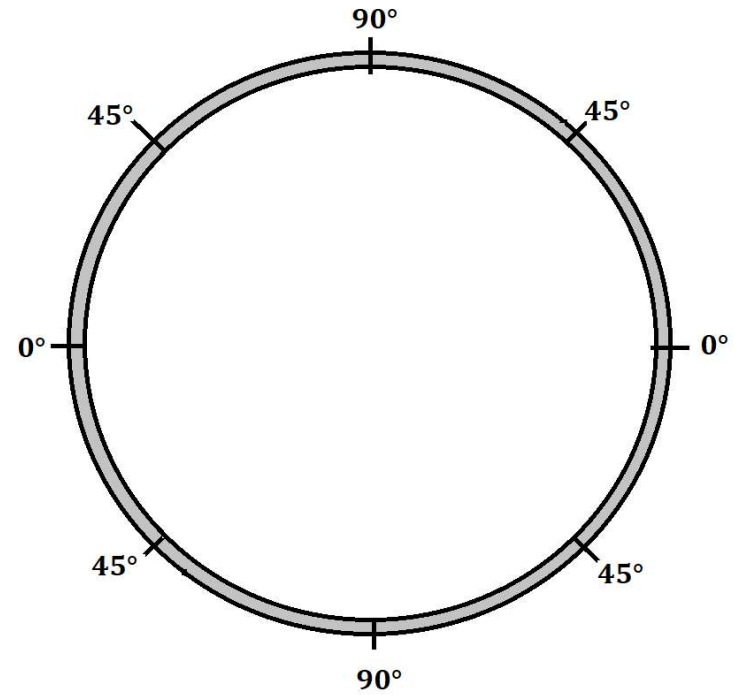6"

8"

UNEQUAL TEE BRANCH

8 CENTER LINE

8" HEADER OD = 219 MM
8"   HALF OD = 109.5 MM

6" BRANCH ID = 168 MM
6"   HALF ID = 84 MM

THICKNESS = 10 MM

45° CUTBACK

H.HALF OD - $\sqrt{(\text{H.HALF OD}^2 - (\text{Sin}(\emptyset) \times \text{B. HALF ID})^2)}$

$109.5 - \sqrt{(109.5^2 - (\text{Sin}(45°) \times 50.5)^2)}$

5.98 mm. Ans

90° CUTBACK

H.HALF OD - $\sqrt{(\text{H.HALF OD}^2 - (\text{Sin}(\emptyset) \times \text{B. HALF ID})^2)}$

$109.5 - \sqrt{(109^2 - (\text{Sin}(90°) \times 50.5)^2)}$

12.34 mm Ans.

90°

45°   45°

0°   0°

45°   45°

90°

90°
12.34
45°   45°

0°   0°