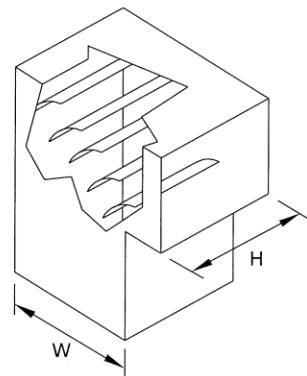


TYPE RE 1  
RADIUS ELBOW

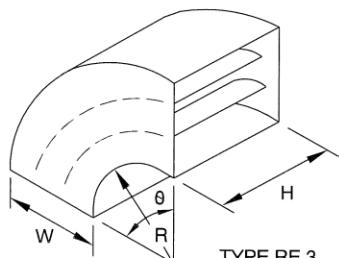
CENTERLINE  $R = \frac{3W}{2}$  UNLESS OTHERWISE

SPECIFIED – IS NOT RESTRICTED TO 90°

SQUARE THROAT,  $\frac{R}{W} = 0.5$ , MAY BE USED,  
UP TO 1000 FPM (5 mps).



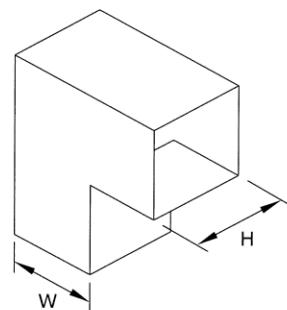
TYPE RE 2  
SQUARE THROAT ELBOW  
WITH VANES



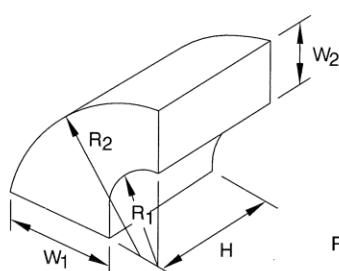
TYPE RE 3  
RADIUS ELBOW  
WITH VANES

NOTE:

FOR RE 3 SEE SPLITTER VANES IN SMACNA  
HVAC SYSTEMS DUCT DESIGN



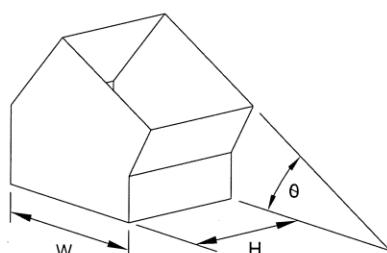
TYPE RE 4  
SQUARE THROAT ELBOW  
WITHOUT VANES  
(1000 FPM (5 mps) MAXIMUM VELOCITY)



TYPE RE 5  
DUAL RADIUS ELBOW

$$R_1 = \frac{3}{4} W_1$$

$$R_2 = R_1 + W_2$$



TYPE RE 6  
MITERED ELBOW

BEAD, CROSBREAK AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT

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FIGURE 4-2 RECTANGULAR ELBOWS

