

Domical-Spherical Vault  
on Square Vault  
With Transverse ribs Semicircular

Transverse Vault Ribs Radius  
Radius = 16.00  
Transverse Vault Ribs Radius =  $(\text{Radius} \div 2) \div \cos(45^\circ)$   
Transverse Vault Ribs Radius = 11.31

