



SpecSeal® Firestop Blocks

Product Estimator Information - Estimating Block Requirements

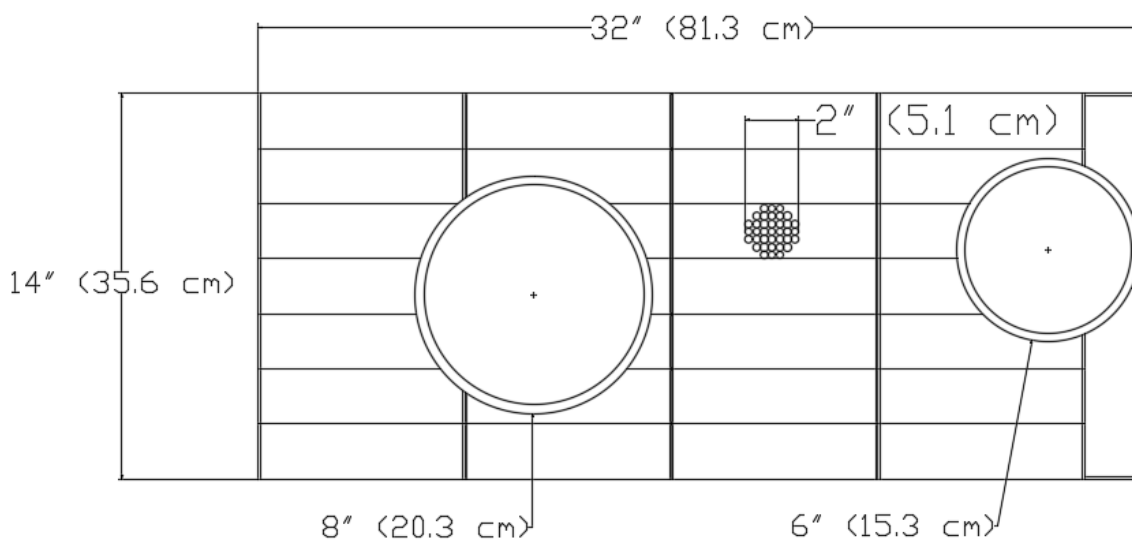
NOMINAL CROSS-SECTION AREA OF BLOCKS

Catalog Number	SBR25
Nominal Dimensions (Uncompressed)	2 in x 8 in (5.1 cm x 20.3 cm)
Nominal Area (Cross-sectional area uncompressed)	16 in ² (103.5 cm ²)
Effective Yield (Cross-sectional area compressed)	15 in ² (96.9 cm ²)

Measure the size of the opening to be sealed and calculate the total area of the opening in square inches. Measure and calculate the approximate area occupied by the penetrants. Calculate the net area to be sealed by subtracting the area occupied by the penetrants from the total area of the opening. To allow for the required compression of the blocks, multiply the net area by 1.07. This will provide a compression factor of ~ 6.25%.

In the example shown below, the opening is 14 in (35.6 cm) x 32 in (81.3 cm) with an 8 in (20.3 cm) diam tube, a 6 in (15.3 cm) diam tube and a 2 in (5.1 cm) diam cables bundle. The area of the opening is 14 in (35.6 cm) x 32 in (81.3 cm) = 448 in² (2894.3 cm²). The approximate area of the tubes and cables is (~50 in² (322.6 cm²) + ~28 in² (180.6 cm²) + ~3 in² (19.4 cm²)) = 81 in² (522.6 cm²). Subtracting the area of the tubes and cables from the total area of the opening yields a net area of 367 in² (2371.7 cm²). 367 in² (2371.7 cm²) x 1.07 = approx. 393 in² (2537.7 cm²) to be filled by blocks. Using the table above to determine the nominal area of the block, we can determine that approximately 27 (393 in² ÷ 15 in² (2537.7 cm² ÷ 96.9 cm²)) SBR25 blocks would be required.

Unless otherwise specified within the individual listed system, blocks to be installed with the 5 in (12.7 cm) dimension projecting through the opening. Check listed system for any additional product installation details.



Note: For more information on firestop installation, refer to ASTM E3157.