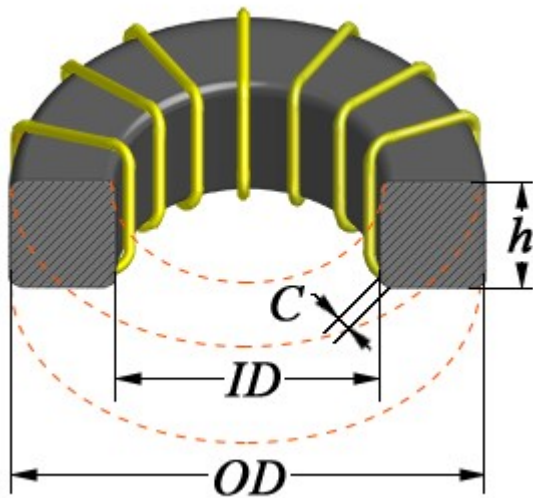


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Coil64 v2.2.31 - Ferrite toroid coil



Input:

Inductance L: 4,500 microH
Outside diameter OD: 31.5 mm
Inside diameter ID: 18.8 mm
Core height h: 13.3 mm
Wire diameter d: 1.5 mm
Magnetic permeability μ : 6,200
Chamfer C: 2 mm

Result:

Number of turns of the coil N = 23.23
Length of wire without leads lw = 91.294 cm
 $A_L = 8,339$ nH/N²

Effective magnetic path length (l_e): 75.609 mm
Effective area of magnetic path (A_e): 80.926 mm²
Effective volume (V_e): 6,118.72 mm³