

L22 DN250 i=0.4%  
Worksheet for Circular Channel

Project Description	
Project File	c:\haestad\academic\fmw\saska.fm2
Worksheet	saska
Flow Element	Circular Channel
Method	Manning's Formula
Solve For	Channel Depth

Input Data	
Mannings Coefficient	0.011
Channel Slope	4.00 mm/m
Diameter	260.20 mm
Discharge	34.54 l/s

Results		
Depth	160.18	mm
Flow Area	0.03	m <sup>2</sup>
Wetted Perimeter	0.47	m
Top Width	0.25	m
Critical Depth	0.15	m
Percent Full	61.56	
Critical Slope	0.004986	m/m
Velocity	1.01	m/s
Velocity Head	0.05	m
Specific Energy	0.21	m
Froude Number	0.87	
Maximum Discharge	0.05	m <sup>3</sup> /s
Full Flow Capacity	0.05	m <sup>3</sup> /s
Full Flow Slope	0.001951	m/m
Flow is subcritical.		