

L1.3.2 DN300 i=0.6%
Worksheet for Circular Channel

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

Input Data	
Mannings Coefficient	0.011
Channel Slope	6.0000 mm/m
Diameter	310.40 mm
Discharge	37.27 l/s

Results		
Depth	133.53	mm
Flow Area	0.03	m ²
Wetted Perimeter	0.44	m
Top Width	0.31	m
Critical Depth	0.15	m
Percent Full	43.02	
Critical Slope	0.004279	m/m
Velocity	1.20	m/s
Velocity Head	0.07	m
Specific Energy	0.21	m
Froude Number	1.20	
Maximum Discharge	0.10	m ³ /s
Full Flow Capacity	0.10	m ³ /s
Full Flow Slope	0.000887	m/m
Flow is supercritical.		