

# Table 3.3 Friction Loss of Forestry Hose

Friction loss comparison of the forestry hose and hose on the Forest Service qualified products lists for 5100-186 and 5100-187 in units of pounds per square inch per 100 feet.

Table 3.3 Friction Loss of Forestry Hose - [click to view larger version](#)

Flow	5/8-in Cell hose	3/4-in straight hose	3/4-in Kevlar hose	1-in Cotton synthetic hose	Niederer hose	National hose	1-in All- synthetic hoses	Imperial hose	National hose	Niederer hose	1-in hose
gpm	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft
100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
250	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
350	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
450	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

Friction loss (pounds per square inch per 100 feet) in hose comparison.

Flow	1-1/2-in Cotton- synthetic 186 hose	National hose	1-1/2-in Cell synthetic 187 hose	Imperial hose	National hose	Niederer hose	1-1/2-in hose	1-3/4-in hose
gpm	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft	ppf/100ft
100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
250	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
350	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
450	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

[Please click on the table above to view a larger version.](#)