

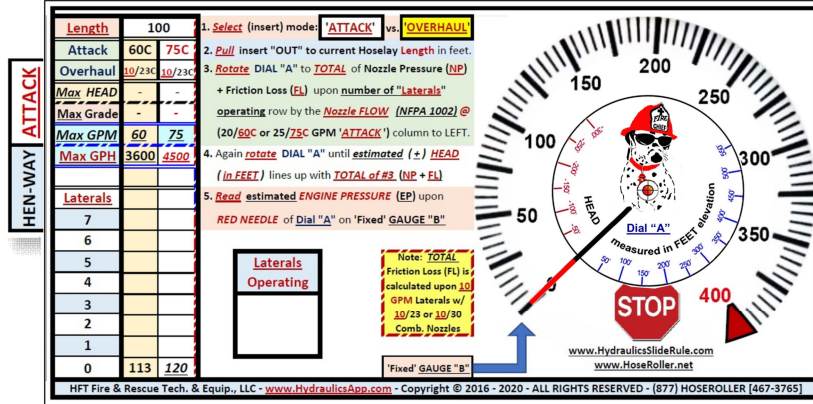
HFT Fire **'TOTAL'** Engine Pressure Slide-Rule Calculator



The Scenario

HEN-WAY				Length
GPM	FL	Lat.		
75	19.7	2.5		1,100'
43	6.3	2.5		1,000'
43	6.3	2.5		800'
53	9.6	2.5		600'
53	9.6	2.5		400'
53	9.6	2.5		200'
63	13.7	2.5		0'
63	13.7	2.5		0'
73	18.4			
73	18.4			
Total: 135 12.5				
(-288 PSI / -67%) FL: 148				TOTAL
Nozzle Pressure (NP): 100				53%
TOTAL (before 'HEAD'): 248				LESS
Avail. Pressure to 400: 152 639'				
Max. HEAD in Feet: 351 32%				
Max. Length @ 32% Grd: 1100 +83%				

'HENWAY' at 248 PSI



- Select** 'HENWAY' or 'Standard' method.
- Extend** insert to current hoselay Length (i.e. 1,100' at 75 GPM)
- Determine** NP + FL per number of laterals operating. (i.e. "5" Lat.)
- Rotate** Dial "A" (i.e. 248 PSI on flat ground)
- Count** the 40' contour lines on a USGS map to estimate elevation. (i.e. 8.75 X 40' ~ 350')
- Rotate** Dial "A" until **HEAD** in feet lines up with FL + NP of Step 4. (i.e. EP = MAX 400 PSI)

