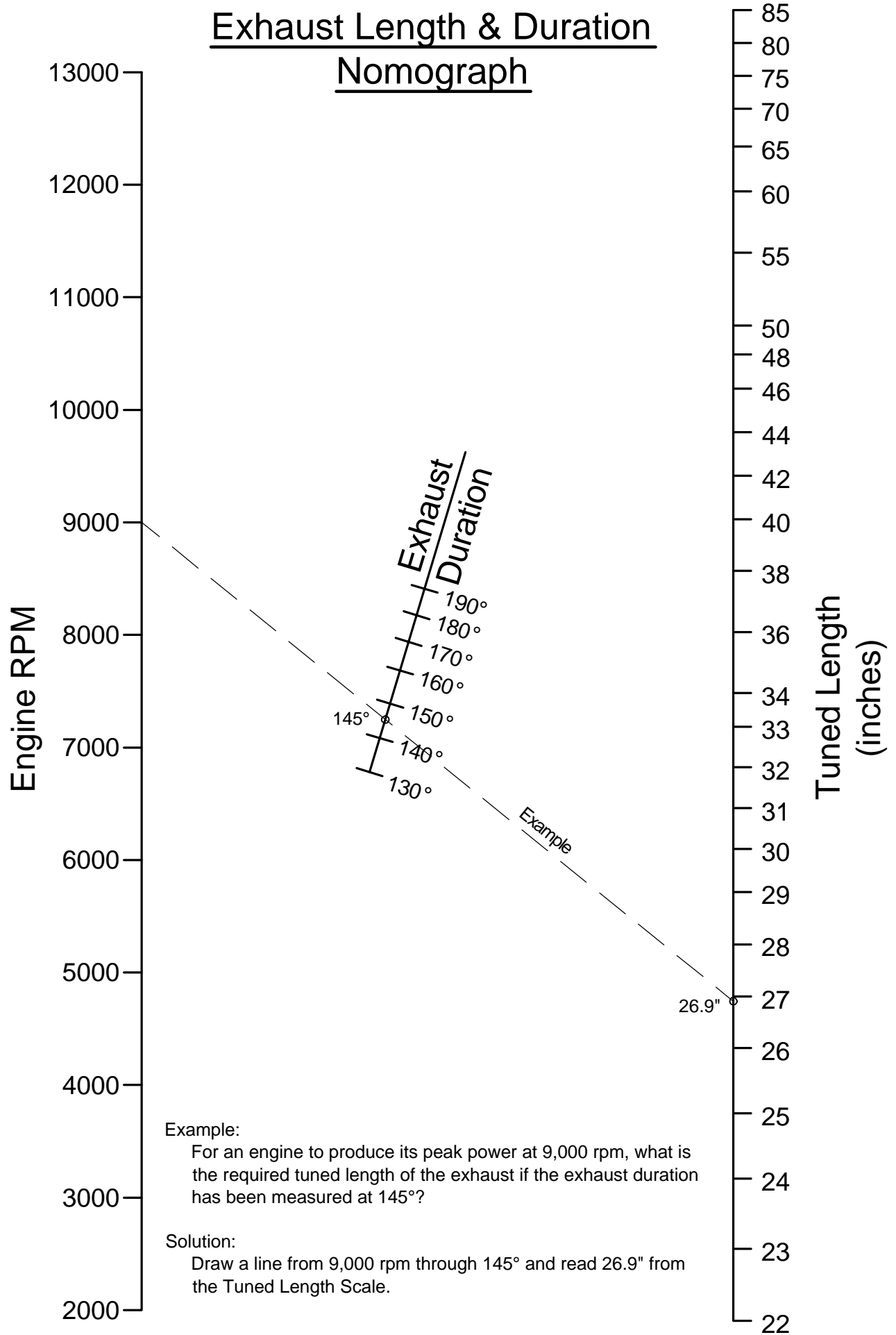


Exhaust Length & Duration Nomograph

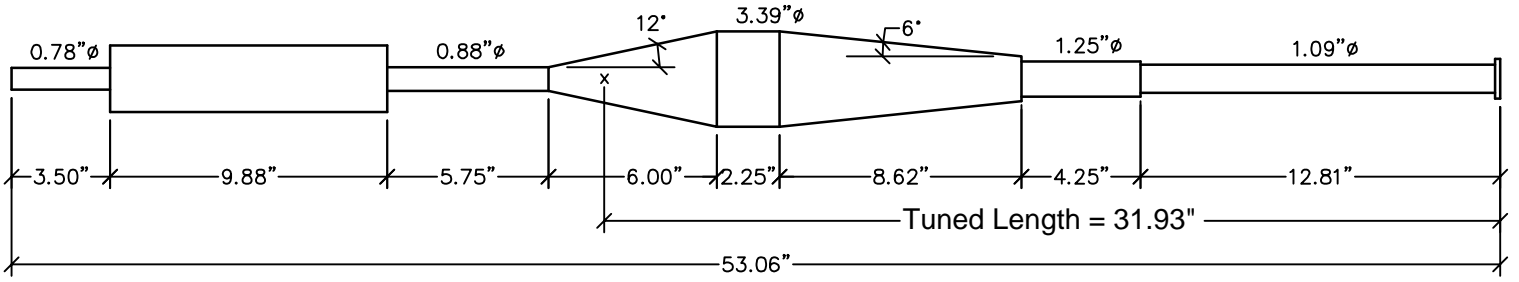


Example:

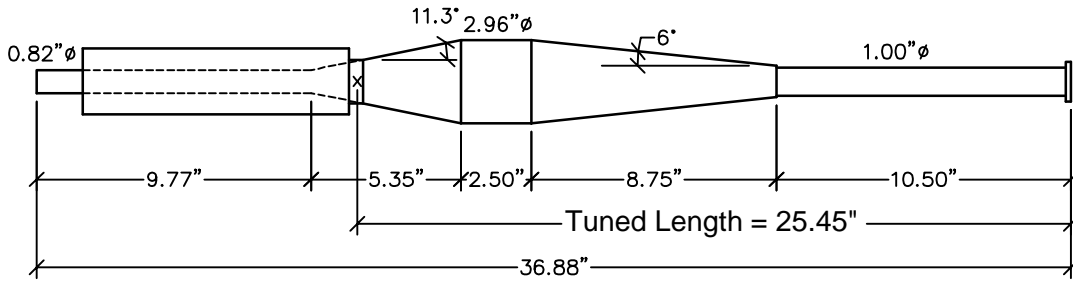
For an engine to produce its peak power at 9,000 rpm, what is the required tuned length of the exhaust if the exhaust duration has been measured at 145°?

Solution:

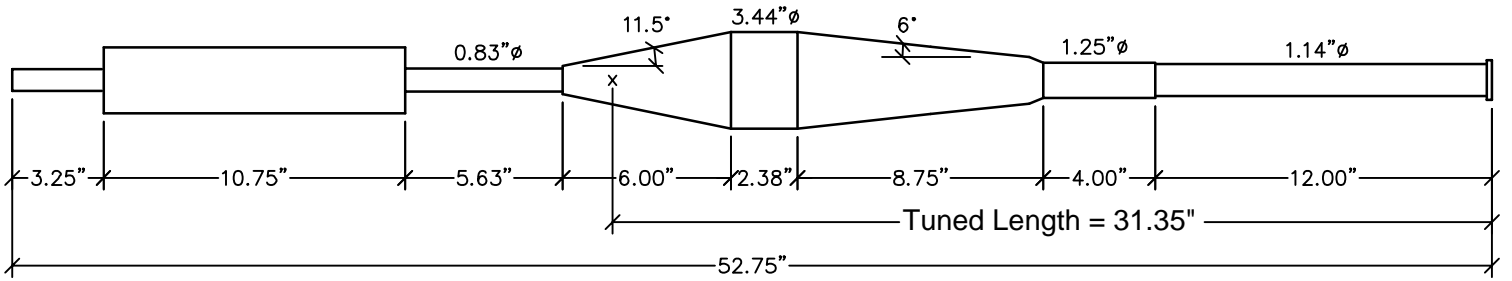
Draw a line from 9,000 rpm through 145° and read 26.9" from the Tuned Length Scale.



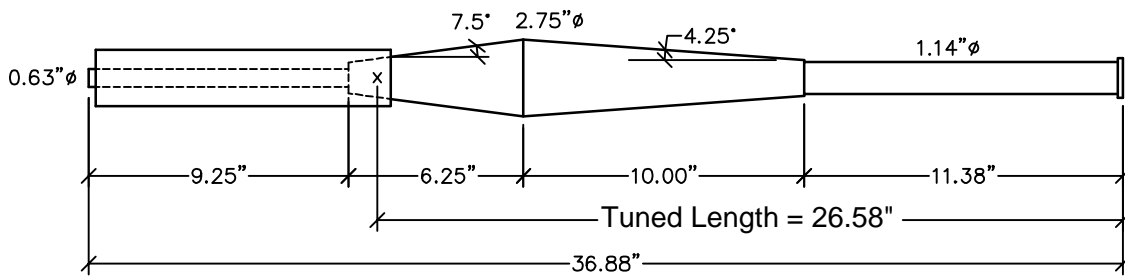
Tecnigas for Tomos



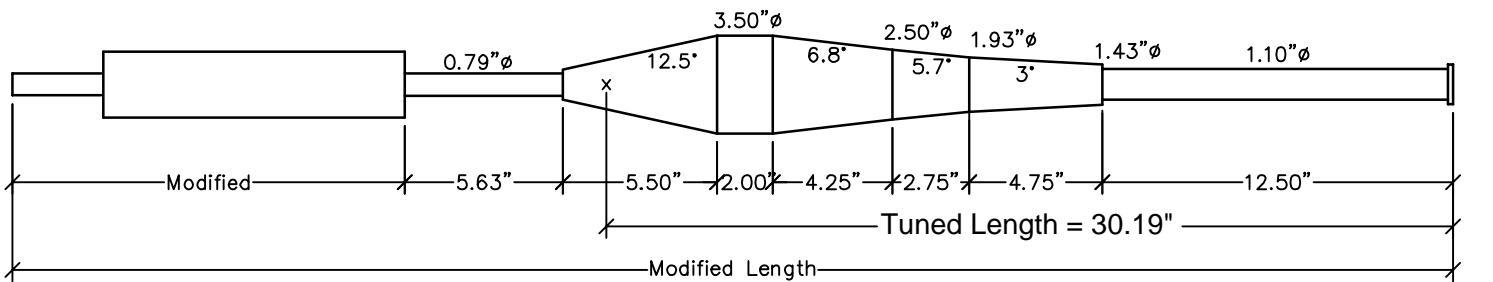
Biturbo for Puch



Tecnigas for Puch



Boss for Puch



Estoril for Puch

Cylinder Data Table

Cylinder Information			Exhaust		Transfer		Boost	
For	Cylinder	Displacement	Depth	Duration	Depth	Duration	Depth	Duration
Puch	E50	50cc	32.6	130.8°	37.3	96.1°		
Puch	K-Star	50cc	37.5	94.4°	35.1	113.5°		
Puch	77 Cheapo	70cc	24.5	177.9°				
Puch	K-Star	70cc	30	147.0°				
Tomos	A35	50cc	32.2	133.4°	37.1	97.8°	37.8	91.8°
Tomos	Airsal	70cc	27	164.3°	35	114.3°	36	106.7°

Note: Due to variations in castings, gasket thicknesses, and measurement precision, these values should be considered approximate.