

Design Matrix for Testing Apparatus

Designs:

- Bevel Gear Apparatus
- In-Line Motor Apparatus
- Chain Drive Apparatus

	Importance	Bevel Gear	In-Line Motor	Chain Drive
<i>Ease of Mounting to Dynamometer</i>	5	4	5	3
<i>Sensitivity in Shaft</i>	3	3	4	4
<i>Hydrodynamics of Apparatus</i>	5	3	2	4
<i>Strength of Keel</i>	4	4	3	4
<i>Vibrational Resistance</i>	3	3	3	4
<i>Collects Power Data</i>	5	3	3	4
<i>Collects Drag Data</i>	5	X	X	X
<i>Accesabilty</i>	4	3	2	4
<i>Survivability</i>	5	3	1	4
<i>Manufacturability</i>	4	2	3	4
<i>Cost</i>	3	4	3	4
Totals		131	117	159