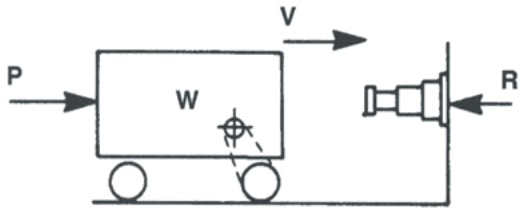


Application Description _____

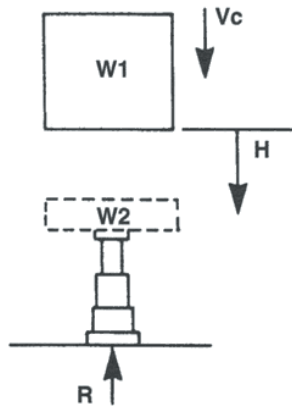
TYPE OF IMPACT

HORIZONTAL



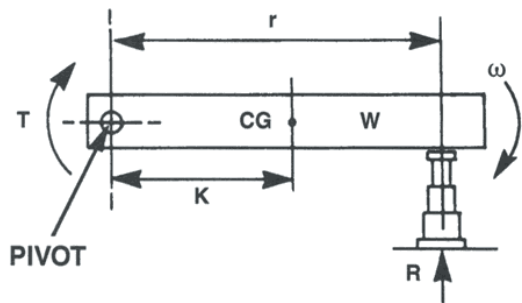
DATA REQUIRED		CIRCLE APPROPRIATE UNITS	
Max Wt per bumper	<i>W</i>	kips	kg
Max Velocity	<i>V</i>	ft/sec	m/sec
Drive during impact	<i>P</i>	kips	N
Max endforce required	<i>R</i>	kips	N
Max Deceleration at	<i>V</i>	ft/sec ²	m/sec

VERTICAL



Weight per bumper	<i>W₁</i>	kips	kg
Freefall Height	<i>H</i>	ft	m
Weight per bumper	<i>W₂</i>	kips	kg
Controlled Velocity	<i>V_c</i>	ft/sec	m/sec
Max endforce required	<i>R</i>	kips	N

ROTATIONAL



Weight per bumper	<i>W</i>	kips	kg
Radius of Gyration	<i>K</i>	ft	m
Angular Velocity	<i>ω</i>	rad/sec	
Bumper Arm Radius	<i>r</i>	ft	m
Torque during impact	<i>T</i>	ft kips	N•m
Max endforce specified	<i>R</i>	kips	N

OTHER DATA	
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Frequency of Impacts		
Ambient Temperature	°F	°C