



## Technical Data Sheet

### KYNTec Corporation Large Vibration Damper

#### Applications:

- Larger Systems Requiring Classical Spring-Mass-Damper
- Ship Docking/Mooring Dampers
- Seismic Bracing of Homes and Buildings
- Wind Vibration Dampers
- Bridge Seismic Protection
- Vibration Isolation Over a wide Range of Forcing Frequencies
- Cable Sway Dampers



#### **Defense**

*KYNTec's world class patented Engineering Division has been involved in Defense projects ranging from protecting onboard ship systems to ensure safe delivery of high explosive armaments. Our focus on high quality stainless steel construction performs better on the world's oceans in the highly corrosive salt spray environments. KYNTec's attention to detail provides the protection our armed forces personnel require for their weapon and detection systems.*



#### **Crane and Material Handling**

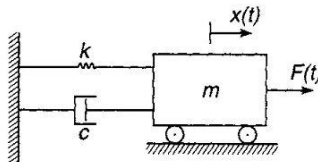
*The movement of shipping containers at America's busy sea ports requires several components produced by KYNTec Corporation. The amount of kinetic energy involved at altitude makes this application mission critical to our nation's supply chain. KYNTec supplies fully stainless steel devices to manage the sway involved with swinging loads and rugged heavy duty shock absorbers to decelerate major masses in motion.*

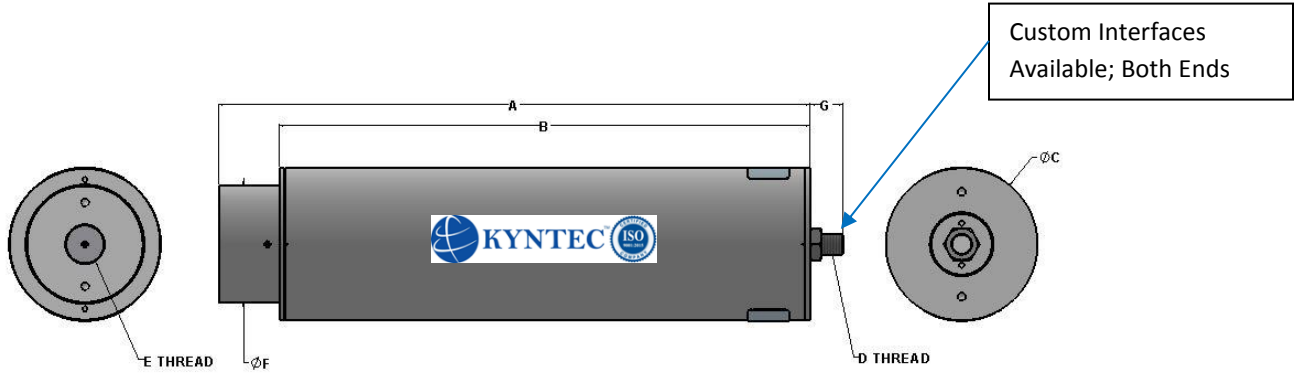
#### Product Overview:

From Seismic Protection to Wind Vibrations to Mooring docks the KYNTec Corporation Large Vibration Damper provides the essential protection required for large systems. Our large series of vibration dampers provides enhanced vibration isolation over a wide range of frequencies, forces and environmental conditions as a stand-alone product or in conjunction with another isolation systems. Our vibration dampers can provide sub-linear to linear velocity power functions with a wide range of damping coefficients available with the tightest tolerances in the industry. KYNTec Corporation will customize our products to your specific application requirements.

#### Design Features:

- Custom Designs Available for Any Application
- Application Specific Damping and Velocity Power Function to +/- 10% if required.
- Integral Internal Spring for Classical Spring-Mass-Damper Systems
- Wide Range of Operating and Storage Temperatures; Thermal Compensation available
- Custom Materials, Coatings, Fluids, Seals or Interfacing
- Optional Safety Cables and Protective Rubber Bellows
- Optional Fluid and Seals for Expanded Temperature Ranges
- Optional Custom Mounting Configurations





Model	A MID STROKE in. (mm)	B in. (mm)	Ø C in. (mm)	D THREAD in. (mm)	E THREAD in. (mm)	Ø F in. (mm)	G in. (mm)
KVD725	28.25 (717,6)	25.35 (644)	7.25 (184,2)	1-14 UNS-2A	1 7/8 - 12 UN-2B	5.58 (141,7)	1.58 (40,1)

**Representative Model: KYNTEC Corporation Can Manufacture Any Similar Product on the Market.**

KYNTec MODEL	STROKE in. (mm)	MAXIMUM DAMPING FORCE lbs (N)	SPRING PRELOAD FORCE lbs (N)	SPRING ENDLOAD FORCE lbs (N)	VELOCITY POWER FUNCTION	DAMPING CONSTANT lb-s/in (N-s/m)
Large Series of Vibration Dampers	±6.00 (SHOWN) (305,0) As Required For Your Application	25,000 (110000)	112 (498)	2,600 (11 565)	Sub-Linear, Linear and Up to Velocity Squared	Custom Designed to Your Specification

KYNTec Corporation can custom orifice our products to match the dynamics of any competitive product or application.

Additional Standard or Custom Models Available

Subject to Change, Please Consult Factory for Additional Information