



Technical Data Sheet KYNTec Corporation Heavy Industry Shock Absorber

Applications:

- Amusement Park Rides
- Automated Storage and Retrieval Systems
- Overhead Bridge and Trolley Cranes
- Elevator Emergency Cushions
- End of Rail Emergency Cushions
- Lift Bridge Buffers
- Oil and Gas Mooring/Docking Shocks

Product Overview:

The KYNTec Corporation Heavy Industry Shock Absorber Series provides protection over a wide range of application inputs and environmental conditions. Oversized bore area coupled with proprietary orificing results in efficient optimal energy absorption capabilities. Increased internal safety factors in a smaller maintenance free package giving the Engineer confidence that the KYNTec Corporation Heavy Industry Shock Absorber operates worry free. Carrying the highest energy capacity rating of all our shock absorbers and the industry.

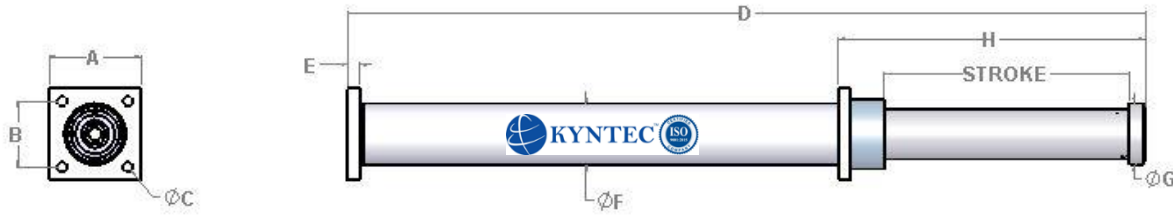


Design Features:

- Custom Designs Available for Any Application
- Application Simulations to Model the Shocks Performance in Your System
- Application Specific Damping (Dashpot, Conventional, Progressive or Self-Compensating)
- Nitrogen charged accumulator allows for soft deceleration and positive return.
- Engineered for Long Life to Meet OSHA, AISE, CMMA, DIN, and FEM
- Wide Range of Operating and Storage Temperatures
- Custom Materials, Coatings, Fluids, Epoxy Paint for Extreme Environments, and Seals
- Optional Safety Cables and Protective Rubber Bellows
- Optional Fluid and Seals Available for Expanded Temperature Ranges.
- Optional Custom Mounting/Interfacing Configurations Available



ITAR REGISTERED and COMPLIANT
Cage Code 7BQS7



Model	STROKE in. (mm)	MAX FORCE lbs. (N)	MINIMUM RETURN FORCE lbs. (N)	MAXIMUM RETURN FORCE lbs. (N)	MAX ENERGY in-lbs./cycle (Nm/cycle)	A in. (mm)	B in. (mm)	ØC in. (mm)	D in. (mm)	E in. (mm)	ØF in. (mm)	ØG in. (mm)	H in. (mm)
KYN-A-160X200	7.87 (200)	213,569 (950 000)	3,372 (15 000)	15,737 (70 000)	1,433,821 (162 000)	11.81 (300)	8.47 (215)	1.26 (32)	31.50 (800)	1.58 (40)	7.87 (200)	7.87 (200)	15.75 (400)
KYN-A-160X400	15.75 (400)	213,569 (950 000)	3,372 (15 000)	15,737 (70 000)	2,867,642 (324 000)	11.81 (300)	8.47 (215)	1.26 (32)	55.12 (1400)	1.58 (40)	7.87 (200)	7.87 (200)	23.62 (600)
KYN-A-160X600	23.62 (600)	213,569 (950 000)	3,372 (15 000)	15,737 (70 000)	4,301,462 (486 000)	11.81 (300)	8.47 (215)	1.26 (32)	78.74 (2000)	1.58 (40)	7.87 (200)	7.87 (200)	31.50 (800)
KYN-A-160X800	31.50 (800)	213,569 (950 000)	3,372 (15 000)	15,737 (70 000)	5,735,283 (648 000)	11.81 (300)	8.47 (215)	1.26 (32)	102.36 (2600)	1.58 (40)	7.87 (200)	7.87 (200)	39.37 (1000)

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

Additional Standard or Custom Models Available

Rear flange recommended only for shock absorbers up to 11.81 inches (300 mm) of stroke.

Subject to Change, Please Consult Factory for Additional Information