



## Technical Data Sheet KYNTEC Corporation Heavy Duty Industrial Buffer

### 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



#### **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.*



#### **Amusement Park Rides**

*KYNTEC's dampers/rate controls provide engineered solutions for theme park ride manufacturers with equal attention to detail. The safe and enjoyable operation of rides is top priority for KYNTEC.*

### Product Overview:

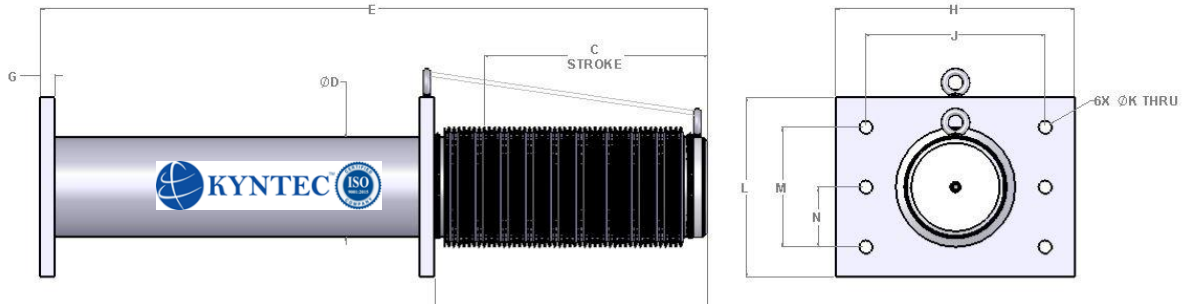
The KYNTEC Corporation Heavy Duty Industrial buffer provides protection over a wide range of application inputs and environmental conditions. This Self-contained buffer has spring return with no internal gas pressure while still carrying a high energy capacity rating.

### Design Features:

- Custom Designs Available for Any Application
- Application Simulations to Model the Shocks Performance in Your System
- Application Specific Damping
- Internal Return Spring
- Engineered for Long Life to Meet OSHA, AISE, CMMA, DIN, and FEM
- Wide Range of Operating and Storage Temperatures
- Custom Materials, Coatings, Fluids, Seals or Interfacing
- Optional Safety Cables and Protective Rubber Bellows
- Optional Fluid and Seals Available for Expanded Temperature Ranges
- Optional Custom Mounting Configurations Available



ITAR REGISTERED and COMPLIANT  
Cage Code 7BQS7



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

A Model	B Capacity (In-lbs)	C Stroke (in.)	D (in.)	E (in.)	F (in.)	G (in.)	H (in.)	J (in.)	K (in.)	L (in.)	M (in.)	N (in.)	WEIGHT (lbs)
2 X 2	27,000	2.00	2.13	9.50	3.50	0.50	4.00	2.75	0.56	4.00	2.75	N/A	8.00
2 X 3	40,000	3.00	2.13	12.50	4.50	0.50	4.00	2.75	0.56	4.00	2.75	N/A	12.00
2 X 4	54,000	4.00	2.13	15.50	5.50	0.50	4.00	2.75	0.56	4.00	2.75	N/A	16.00
4 X 2	90,000	2.00	4.00	11.00	4.25	0.75	6.00	4.00	0.81	6.00	4.00	N/A	25.00
4 X 3	135,000	3.00	4.00	14.00	5.25	0.75	6.00	4.00	0.81	6.00	4.00	N/A	29.00
4 X 4	180,000	4.00	4.00	17.00	6.25	0.75	6.00	4.00	0.81	6.00	4.00	N/A	33.00
4 X 6	270,000	6.00	4.00	23.00	8.25	0.75	12.00	9.00	0.81	10.00	7.00	3.50	66.00
4 X 8	360,000	8.00	4.00	29.00	10.25	0.75	12.00	9.00	0.81	10.00	7.00	3.50	75.00
4 X 10	450,000	10.00	4.00	35.00	12.25	0.75	12.00	9.00	0.81	10.00	7.00	3.50	90.00
6 X 2	297,000	2.00	6.00	15.00	5.00	1.00	9.00	7.00	0.94	7.75	7.00	N/A	83.00
6 X 3	446,000	3.00	6.00	17.00	6.00	1.00	9.00	7.00	0.94	7.75	7.00	N/A	88.00
6 X 4	594,000	4.00	6.00	20.00	7.00	1.00	14.00	11.00	0.81	12.00	9.50	4.75	135.00
6 X 6	890,000	6.00	6.00	27.00	9.00	1.00	14.00	11.00	0.81	12.00	9.50	4.75	160.00
6 X 8	1,118,000	8.00	6.00	33.00	11.00	1.00	14.00	11.00	0.81	12.00	9.50	4.75	180.00
6 X 10	1,485,000	10.00	6.00	39.00	13.00	1.00	14.00	11.00	0.81	12.00	9.50	4.75	210.00
6 X 12	1,782,000	12.00	6.00	45.00	15.00	1.00	14.00	11.00	0.81	12.00	9.50	4.75	225.00
6 X 14	2,079,000	14.00	6.00	51.00	17.00	1.00	14.00	11.00	0.81	12.00	9.50	4.75	250.00
7 X 6	1,215,000	6.00	7.00	27.00	9.00	1.00	18.00	15.00	1.13	14.00	11.00	5.50	212.00
7 X 8	1,620,000	8.00	7.00	33.00	11.00	1.00	18.00	15.00	1.13	14.00	11.00	5.50	249.00
7 X 10	2,025,000	10.00	7.00	39.00	13.00	1.00	18.00	15.00	1.13	14.00	11.00	5.50	277.00
7 X 12	2,430,000	12.00	7.00	46.00	15.00	1.00	18.00	15.00	1.13	14.00	11.00	5.50	315.00
7 X 16	3,240,000	16.00	7.00	58.00	19.00	1.00	18.00	15.00	1.13	14.00	11.00	5.50	381.00
7 X 22	3,960,000	22.00	10.00	67.00	24.00	1.50	24.00	18.00	1.31	18.00	12.00	6.00	1000.00
7 X 26	4,680,000	26.00	10.00	78.00	28.00	1.50	24.00	18.00	1.31	18.00	12.00	6.00	1100.00
7 X 30	5,400,000	30.00	10.00	87.00	32.00	1.50	24.00	18.00	1.31	18.00	12.00	6.00	1200.00
7 X 36	6,480,000	36.00	10.00	99.00	38.00	1.50	24.00	18.00	1.31	18.00	12.00	6.00	1400.00

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

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**KYNTEC Corporation is the Shock/Vibration Isolation and Recoil Mitigation Industry Leader, Innovator and Pioneer**