



### Crane Bumper Application Worksheet

Please email or fax worksheet to EFDYN, and we will send you a detailed assessment of your application. An EFDYN representative will contact you for additional information if required.

#### Contact Information

Name: \_\_\_\_\_  
 Phone No.: \_\_\_\_\_  
 Fax No.: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Date: \_\_\_\_\_

#### Crane Bridge Bumpers

- 1 Total weight of Bridge and unloaded Trolley \_\_\_\_\_ Lbs.
- 2 Total weight of unloaded Trolley \_\_\_\_\_ Lbs.
- 3 Total number of supporting wheels \_\_\_\_\_ Lbs.
- 4 Total number of driving wheels \_\_\_\_\_ Lbs.
- 5 Wheel diameter \_\_\_\_\_ inches.
- 6 Max. weight of carried load \_\_\_\_\_ Lbs. rigidly supported  cable hung
- 7 Impact with hydraulic crane bumper will occur at end of bay .  
 Between two crane bridges approaching each other .
- 8 Can the bridge impact the bridge shocks with the trolley shifted to one side of bridge? \_\_\_\_\_
- 9 Maximum speed without carried load \_\_\_\_\_ FPM.  
 with carried load \_\_\_\_\_ FPM.  
 Maximum deceleration rate \_\_\_\_\_ G's \_\_\_\_\_ Ft/per/sec<sup>2</sup>.
- 10 Total number of driving motors \_\_\_\_\_. If more than one specify wiring; series  parallel
- 11 Are trolley shocks to be sized considering drive motors on or off at impact? \_\_\_\_\_
- 12 Total gear ratio between motor and driving wheels \_\_\_\_\_.
- 13 Motor type: DC  AC
- 14 Rated full load \_\_\_\_\_ H.P., at \_\_\_\_\_ RPM.

#### Crane Trolley Bumpers

- 1 Total weight of unloaded Trolley \_\_\_\_\_ Lbs.
- 2 Total number of supporting wheels \_\_\_\_\_ Lbs.
- 3 Total number of driving wheels \_\_\_\_\_ Lbs.
- 4 Wheel diameter \_\_\_\_\_ inches.
- 5 Max. weight of carried load \_\_\_\_\_ Lbs. rigidly supported  cable hung
- 6 Impact with hydraulic crane bumper will occur at end of bay .  
 Between two crane bridges approaching each other .
- 7 Maximum speed without carried load \_\_\_\_\_ FPM.  
 with carried load \_\_\_\_\_ FPM.  
 Maximum deceleration rate \_\_\_\_\_ G's \_\_\_\_\_ Ft/per/sec<sup>2</sup>.
- 9 Are trolley shocks to be sized considering drive motors on or off at impact? \_\_\_\_\_
- 10 Total number of driving motors \_\_\_\_\_. If more than one specify wiring; series  parallel
- 11 Total gear ratio between motor and driving wheels \_\_\_\_\_.
- 12 Motor type: DC  AC
- 13 Rated full load \_\_\_\_\_ H.P., at \_\_\_\_\_ RPM.

#### General Crane Bumper Data

No. of Shocks to Take Load: \_\_\_\_\_ Duty cycle rate \_\_\_\_\_ operations per hr., day.  
 Desired Mounting Style:  Threads  Front flange  Rear flange  Clevis  Foot (lug) mount  Other: \_\_\_\_\_  
 Ambient Temperature: \_\_\_\_\_ ° F Special Fluid Requirements: \_\_\_\_\_  
 Operating Environment Concerns: \_\_\_\_\_  
 Operating Attitude:  Horizontal  Vertical-rod up  Vertical-rod down,  Other \_\_\_\_\_