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.
10. Maximum deceleration rate_______________________ G’s ______________ Ft/per/sec².
11. Total number of driving motors_______.
12. Are trolley shocks to be sized considering drive motors on or off at impact? ________
13. Total gear ratio between motor and driving wheels_______________________.
14. Motor type:   DC ☐ AC ☐
15. 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.
8. Maximum deceleration rate_______________________ G’s ______________ Ft/per/sec².
9. Are trolley shocks to be sized considering drive motors on or off at impact? ________
10. Total number of driving motors_______.
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: | ________________________________ º F |
| Special Fluid Requirements: | ________________________________ |
| Operating Environment Concerns: | ________________________________ |
| Operating Attitude: | ♣ Horizontal ♣ Vertical-rod up ♣ Vertical-rod down, ♣ Other: ________________ |