|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fault Diameter** | **Motor Load (HP)** | **Approx. Motor Speed (rpm)** | **Inner Race** | **Ball** | **Outer Race  Position Relative to Load Zone (Load Zone Centered at 6:00)** | | |
|  |  |  |  |  | **Centered @6:00** | **Orthogonal @3:00** | **Opposite @12:00** |
| 0.007" | 0 | 1797 | [IR007\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/105.mat)  105 | [B007\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/118.mat)  118 | [OR007@6\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/130.mat)  130 | [OR007@3\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/144.mat) | [OR007@12\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/156.mat) |
|  | 1 | 1772 | [IR007\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/106.mat)  106 | [B007\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/119.mat)  119 | [OR007@6\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/131.mat)  131 | [OR007@3\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/145.mat) | [OR007@12\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/158.mat) |
|  | 2 | 1750 | [IR007\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/107.mat)  107 | [B007\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/120.mat)  120 | [OR007@6\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/132.mat)  132 | [OR007@3\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/146.mat) | [OR007@12\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/159.mat) |
|  | 3 | 1730 | [IR007\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/108.mat)  108 | [B007\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/121.mat)  121 | [OR007@6\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/133.mat)  133 | [OR007@3\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/147.mat) | [OR007@12\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/160.mat) |
| 0.014" | 0 | 1797 | [IR014\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/169.mat)  169 | [B014\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/185.mat)  185 | [OR014@6\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/197.mat)  197 | \* | \* |
|  | 1 | 1772 | [IR014\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/170.mat)  170 | [B014\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/186.mat)  186 | [OR014@6\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/198.mat)  198 | \* | \* |
|  | 2 | 1750 | [IR014\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/171.mat)  171 | [B014\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/187.mat)  187 | [OR014@6\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/199.mat)  199 | \* | \* |
|  | 3 | 1730 | [IR014\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/172.mat)  172 | [B014\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/188.mat)  188 | [OR014@6\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/200.mat)  200 | \* | \* |
| 0.021" | 0 | 1797 | [IR021\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/209.mat)  209 | [B021\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/222.mat)  222 | [OR021@6\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/234.mat)  234 | [OR021@3\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/246.mat) | [OR021@12\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/258.mat) |
|  | 1 | 1772 | [IR021\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/210.mat)  210 | [B021\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/223.mat)  223 | [OR021@6\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/235.mat)  235 | [OR021@3\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/247.mat) | [OR021@12\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/259.mat) |
|  | 2 | 1750 | [IR021\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/211.mat)  211 | [B021\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/224.mat)  224 | [OR021@6\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/236.mat)  236 | [OR021@3\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/248.mat) | [OR021@12\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/260.mat) |
|  | 3 | 1730 | [IR021\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/212.mat)  212 | [B021\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/225.mat)  225 | [OR021@6\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/237.mat)  237 | [OR021@3\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/249.mat) | [OR021@12\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/261.mat) |
| 0.028" | 0 | 1797 | [IR028\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3001.mat) | [B028\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3005.mat) | \* | \* | \* |
|  | 1 | 1772 | [IR028\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3002.mat) | [B028\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3006.mat) | \* | \* | \* |
|  | 2 | 1750 | [IR028\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3003.mat) | [B028\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3007.mat) | \* | \* | \* |
|  | 3 | 1730 | [IR028\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3004.mat) | [B028\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/3008.mat) | \* | \* | \* |

|  |  |  |
| --- | --- | --- |
| **Motor Load (HP)** | **Approx. Motor Speed (rpm)** | **Normal Baseline Data** |
| 0 | 1797 | [Normal\_0](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/97.mat)  97 |
| 1 | 1772 | [Normal\_1](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/98.mat)  98 |
| 2 | 1750 | [Normal\_2](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/99.mat)  99 |
| 3 | 1730 | [Normal\_3](http://csegroups.case.edu/sites/default/files/bearingdatacenter/files/Datafiles/100.mat)  100 |