

# Single row spacer assemblies 2TS-DM(directing mounting)

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|--------------------------------------|---------|--------|--------|------------------------|------|------------------------|----------------|------------------------|------------------|------------------------|------|-------------------|-----------|-----------------------------|-------------------------------------------|--------------------------------------|---------------------------------------------|--------------------------------------|-------------------------|
| Bearing Dimensions(mm/in.)           |         |        |        | Load Ratings(N/lbf)    |      |                        |                |                        |                  |                        |      | Numero ng Bahagi: |           |                             | Bearing Dimensions(mm/in.)                |                                      |                                             |                                      |                         |
|                                      |         |        |        | Dynamic <sup>(2)</sup> |      | Factors <sup>(3)</sup> |                | Dynamic <sup>(4)</sup> |                  | Factors <sup>(5)</sup> |      |                   |           |                             | Shaft                                     |                                      | Housing                                     |                                      | Bearing Weight(kg/lbs.) |
| d                                    | D       | T      | B      | C <sub>1(2)</sub>      | e    | Y <sub>1</sub>         | Y <sub>2</sub> | C <sub>90</sub>        | C <sub>290</sub> | C <sub>90(2)</sub>     | K    | Inner             | Outer     | Outer Spacer <sup>(6)</sup> | Max. Shaft Fillet Radius R <sup>(6)</sup> | Backing Shoulder Dia. d <sub>b</sub> | Max. Housing Fillet Radius r <sup>(6)</sup> | Backing Shoulder Dia. D <sub>b</sub> |                         |
| 25                                   | 52      | 38.5   | 36     | 81800                  | 0.58 | 1.16                   | 1.72           | 12200                  | 12200            | 21200                  | 1    | X32205-B          | Y32205-B  | JY5209R                     | 0.3                                       | 31                                   | 1                                           | 43.5                                 | 0.4                     |
| 0.9843                               | 2.0472  | 1.5158 | 1.4174 | 18400                  | 0.58 | 1.16                   | 1.72           | 2740                   | 2740             | 4770                   | 1    | X32205-B          | Y32205-B  | JY5209R                     | 0.01                                      | 1.22                                 | 0.04                                        | 1.71                                 | 0.88                    |
| 30                                   | 55      | 34     | 34     | 80900                  | 0.43 | 1.57                   | 2.34           | 12000                  | 8870             | 21000                  | 1.36 | X32006X           | Y32006X   | JY5508-S                    | 0.3                                       | 36                                   | 1                                           | 49                                   | 0.37                    |
| 1.1811                               | 2.1654  | 1.3386 | 1.3386 | 18200                  | 0.43 | 1.57                   | 2.34           | 2710                   | 1990             | 4710                   | 1.36 | X32006X           | Y32006X   | JY5508-S                    | 0.01                                      | 1.42                                 | 0.04                                        | 1.93                                 | 0.79                    |
| 34.925                               | 65.088  | 36.068 | 36.576 | 112000                 | 0.38 | 1.79                   | 2.67           | 16700                  | 10800            | 29200                  | 1.55 | LM48548           | LM48510   | LM48510EE                   | 0.4                                       | 41.5                                 | 1.3                                         | 58                                   | 0.52                    |
| 1.375                                | 2.5625  | 1.42   | 1.44   | 25300                  | 0.38 | 1.79                   | 2.67           | 3760                   | 2430             | 6550                   | 1.55 | LM48548           | LM48510   | LM48510EE                   | 0.02                                      | 1.63                                 | 0.05                                        | 2.28                                 | 1.12                    |
| 41.275                               | 80.167  | 50.8   | 50.8   | 159000                 | 0.32 | 2.12                   | 3.15           | 23600                  | 12900            | 41100                  | 1.83 | 26885             | 26820     | Y1S-26820                   | 0.3                                       | 47                                   | 3.3                                         | 69                                   | 1.15                    |
| 1.625                                | 3.1562  | 2      | 2      | 35700                  | 0.32 | 2.12                   | 3.15           | 5310                   | 2900             | 9240                   | 1.83 | 26885             | 26820     | Y1S-26820                   | 0.01                                      | 1.85                                 | 0.13                                        | 2.72                                 | 2.57                    |
| 44.45                                | 82.931  | 47.625 | 50.8   | 158000                 | 0.33 | 2.02                   | 3              | 23500                  | 13500            | 40900                  | 1.74 | 25580             | 25520     | Y4S-25520                   | 0.4                                       | 50                                   | 0.8                                         | 74                                   | 1.18                    |
| 1.75                                 | 3.265   | 1.875  | 2      | 35400                  | 0.33 | 2.02                   | 3              | 5270                   | 3020             | 9180                   | 1.74 | 25580             | 25520     | Y4S-25520                   | 0.02                                      | 1.97                                 | 0.03                                        | 2.91                                 | 2.58                    |
| 44.45                                | 88.9    | 60.325 | 58.74  | 198000                 | 0.55 | 1.24                   | 1.84           | 29500                  | 27600            | 51300                  | 1.07 | HM803149          | HM803110  | HM803110EB                  | 0.3                                       | 53.4                                 | 3.3                                         | 74                                   | 1.76                    |
| 1.75                                 | 3.5     | 2.375  | 2.3126 | 44500                  | 0.55 | 1.24                   | 1.84           | 6630                   | 6200             | 11500                  | 1.07 | HM803149          | HM803110  | HM803110EB                  | 0.01                                      | 2.1                                  | 0.13                                        | 2.91                                 | 3.88                    |
| 44.45                                | 95.25   | 61.915 | 57.15  | 237000                 | 0.74 | 0.91                   | 1.36           | 35400                  | 44800            | 61600                  | 0.79 | HM903249          | HM903210  | HM903210ES                  | 0.3                                       | 54                                   | 0.8                                         | 81                                   | 2.08                    |
| 1.75                                 | 3.75    | 2.4376 | 2.25   | 53400                  | 0.74 | 0.91                   | 1.36           | 7950                   | 10100            | 13800                  | 0.79 | HM903249          | HM903210  | HM903210ES                  | 0.01                                      | 2.13                                 | 0.03                                        | 3.19                                 | 4.6                     |
| 45                                   | 100     | 54.5   | 50     | 225000                 | 0.35 | 1.96                   | 2.91           | 33500                  | 19800            | 58300                  | 1.69 | X30309M           | Y30309M   | JY10099R                    | 0.5                                       | 56                                   | 1.5                                         | 89                                   | 2.11                    |
| 1.7717                               | 3.937   | 2.1457 | 1.9686 | 50500                  | 0.35 | 1.96                   | 2.91           | 7530                   | 4450             | 13100                  | 1.69 | X30309M           | Y30309M   | JY10099R                    | 0.02                                      | 2.2                                  | 0.06                                        | 3.5                                  | 4.64                    |
| 48.412                               | 95.25   | 60.325 | 58.74  | 257000                 | 0.55 | 1.24                   | 1.84           | 38200                  | 35700            | 66600                  | 1.07 | HM804848          | HM804810  | HM804810EE                  | 2.3                                       | 57                                   | 3.3                                         | 81                                   | 1.99                    |
| 1.906                                | 3.75    | 2.375  | 2.3126 | 57700                  | 0.55 | 1.24                   | 1.84           | 8590                   | 8030             | 15000                  | 1.07 | HM804848          | HM804810  | HM804810EE                  | 0.09                                      | 2.26                                 | 0.13                                        | 3.19                                 | 4.42                    |
| 50.8                                 | 88.9    | 41.275 | 44.45  | 177000                 | 0.32 | 2.11                   | 3.14           | 26400                  | 14400            | 46000                  | 1.83 | 368A              | 362A      | Y1S-362A                    | 0.3                                       | 56                                   | 1.3                                         | 81                                   | 1.08                    |
| 2                                    | 3.5     | 1.625  | 1.75   | 39900                  | 0.32 | 2.11                   | 3.14           | 5930                   | 3250             | 10300                  | 1.83 | 368A              | 362A      | Y1S-362A                    | 0.01                                      | 2.2                                  | 0.05                                        | 3.19                                 | 2.34                    |
| 50.8                                 | 112.712 | 60.325 | 60.096 | 242000                 | 0.4  | 1.68                   | 2.5            | 36000                  | 24800            | 62700                  | 1.45 | 3975              | 3920      | Y4S-3920                    | 0.5                                       | 61                                   | 3.3                                         | 99                                   | 3.13                    |
| 2                                    | 4.4375  | 2.375  | 2.366  | 54300                  | 0.4  | 1.68                   | 2.5            | 8090                   | 5570             | 14100                  | 1.45 | 3975              | 3920      | Y4S-3920                    | 0.02                                      | 2.4                                  | 0.13                                        | 3.9                                  | 6.91                    |
| 53.975                               | 95.25   | 55.565 | 57.15  | 226000                 | 0.33 | 2.05                   | 3.05           | 33600                  | 19000            | 58600                  | 1.77 | 33895             | 33821     | Y1S-33821                   | 0.3                                       | 60                                   | 2.3                                         | 85                                   | 1.66                    |
| 2.125                                | 3.75    | 2.1876 | 2.25   | 50800                  | 0.33 | 2.05                   | 3.05           | 7560                   | 4270             | 13200                  | 1.77 | 33895             | 33821     | Y1S-33821                   | 0.01                                      | 2.36                                 | 0.09                                        | 3.35                                 | 3.66                    |
| 53.975                               | 104.775 | 73.025 | 73.024 | 354000                 | 0.49 | 1.38                   | 2.06           | 52700                  | 44000            | 91800                  | 1.2  | HM807049          | HM807010  | HM807010EE                  | 0.3                                       | 63.1                                 | 3.3                                         | 89                                   | 2.88                    |
| 2.125                                | 4.125   | 2.875  | 2.875  | 79600                  | 0.49 | 1.38                   | 2.06           | 11900                  | 9890             | 20600                  | 1.2  | HM807049          | HM807010  | HM807010EE                  | 0.01                                      | 2.48                                 | 0.13                                        | 3.5                                  | 6.35                    |
| 55                                   | 90      | 46     | 46     | 190000                 | 0.4  | 1.68                   | 2.5            | 28200                  | 19400            | 49100                  | 1.45 | JLM506849         | JLM506810 | LM506810EX                  | 0.3                                       | 61                                   | 0.5                                         | 82                                   | 1.12                    |
| 2.1654                               | 3.5433  | 1.811  | 1.811  | 42600                  | 0.4  | 1.68                   | 2.5            | 6340                   | 4370             | 11000                  | 1.45 | JLM506849         | JLM506810 | LM506810EX                  | 0.01                                      | 2.4                                  | 0.02                                        | 3.23                                 | 2.5                     |
| 55                                   | 120     | 58     | 58     | 299000                 | 0.83 | 0.82                   | 1.22           | 44600                  | 63000            | 77600                  | 0.71 | X31311M           | Y31311M   | JY12021-Q                   | 0.3                                       | 68                                   | 2                                           | 103                                  | 3.27                    |
| 2.1654                               | 4.7244  | 2.2835 | 2.2834 | 67300                  | 0.83 | 0.82                   | 1.22           | 10000                  | 14200            | 17500                  | 0.71 | X31311M           | Y31311M   | JY12021-Q                   | 0.01                                      | 2.68                                 | 0.08                                        | 4.06                                 | 7.21                    |