

# BEARINGS

## KP SERIES—AN200 / MS27640



| FAFNER AND MS AFBMA Bearing No. | Bore 27640 | B                              |  | D                                    |                                      | W   |   | H                              |     | A      |      | E     |     | C |  | Balls |  | Pure Moment Rating Inch | Moment Constant 1 Lbs. | Weight Pounds Inch (Approx.) | Price Each |
|---------------------------------|------------|--------------------------------|--|--------------------------------------|--------------------------------------|---|---|--------------------------------|-----|--------|------|-------|-----|---|--|-------|--|-------------------------|------------------------|------------------------------|------------|
|                                 |            | Diameter +.0000 - .0005 Inches | Outside Inner Ring +.0000 - .0005 Inches | Width Outer Ring +.000 - .005 Inches | Width Inner Ring +.000 - .005 Inches | Shoulder Width Bore Ring (Approx.) Inches | Corner Chamfer x 45° Inner Ring O. D. +.015 - .000 Inches | Outer Ring +.015 - .000 Inches | No. | Size   |      |       |     |   |  |       |  |                         |                        |                              |            |
| KP3L*                           | -3A        | .1900                          | .6250                                    | .245                                 | .203                                 | .280                                      | .005  | .010                           | 10  | 5/32"  | 51.8 | 12.08 | .01 | . |  |       |  |                         |                        |                              |            |
| KP3                             | -3         | .1900                          | .7774                                    | .297                                 | .270                                 | .331                                      | .005  | .022                           | 12  | 5/32"  | 93.7 | 10.13 | .03 | . |  |       |  |                         |                        |                              |            |
| KP4                             | -4         | .2500                          | .9014                                    | .484                                 | .335                                 | .390                                      | .005  | .032                           | 11  | 1/4"   | 130  | 8.84  | .04 | . |  |       |  |                         |                        |                              |            |
| KP5                             | -5         | .3125                          | 1.2500                                   | .558                                 | .375                                 | .469                                      | .015  | .032                           | 9   | 5/16"  | 335  | 6.77  | .09 | . |  |       |  |                         |                        |                              |            |
| KP6                             | -6         | .3750                          | 1.4375                                   | .620                                 | .469                                 | .591                                      | .015  | .032                           | 10  | 11/32" | 580  | 5.44  | .15 | . |  |       |  |                         |                        |                              |            |
| KP8                             | -8         | .5000                          | 1.6875                                   | .620                                 | .500                                 | .768                                      | .015  | .044                           | 10  | 11/32" | 1060 | 4.46  | .21 | . |  |       |  |                         |                        |                              |            |

\* Stainless steel shield (for "Ply-Seals" use KP3A which has same bore and O.D.)

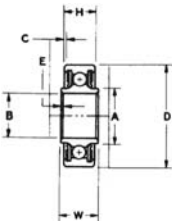
**KP-A SERIES** Equivalent Thrust Load = Thrust + .8 Radial Load + Moment Constant x Moment in Inch Lbs.

## KP SERIES—AN201 / MS27641

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| FAFNER AND MS AFBMA Bearing No. | Bore 27641 | B                              |  | D                                    |                                      | W  |   | H                              |     | A     |             | E           |      | C     |     | Balls |  | Maximum Static Non-Brinell Rating |  | Pure Moment Rating Inch-Lbs. | Moment Constant 1 Inch | Weight Pounds (Approx.) | Price Each |
|---------------------------------|------------|--------------------------------|--|--------------------------------------|--------------------------------------|--|---|--------------------------------|-----|-------|-------------|-------------|------|-------|-----|-------|--|-----------------------------------|--|------------------------------|------------------------|-------------------------|------------|
|                                 |            | Diameter +.0000 - .0005 Inches | Outside Inner Ring +.0000 - .0005 Inches | Width Outer Ring +.000 - .005 Inches | Width Inner Ring +.000 - .005 Inches | Shoulder Diameter Bore Ring (Approx.) Inches | Corner Chamfer x 45° Inner Ring O. D. +.015 - .000 Inches | Outer Ring +.015 - .000 Inches | No. | Size  | Radial Lbs. | Thrust Lbs. |      |       |     |       |  |                                   |  |                              |                        |                         |            |
| KP3A                            | 3          | .1900                          | .6250                                    | .297                                 | .234                                 | .297   | .005  | .016                           | 10  | 1/8"  | 800         | 600         | 51.8 | 12.08 | .01 | .     |  |                                   |  |                              |                        |                         |            |
| KP4A                            | 4          | .2500                          | .7500                                    | .281                                 | .219                                 | .380   | .005  | .016                           | 12  | 1/8"  | 1100        | 900         | 73.8 | 10.17 | .02 | .     |  |                                   |  |                              |                        |                         |            |
| KP5A                            | 5          | .3125                          | .8125                                    | .297                                 | .234                                 | .415   | .015  | .016                           | 14  | 1/8"  | 1300        | 1000        | 100  | 8.76  | .02 | .     |  |                                   |  |                              |                        |                         |            |
| KP6A                            | 6          | .3750                          | .8750                                    | .313                                 | .250                                 | .495   | .015  | .016                           | 16  | 1/8"  | 1400        | 1100        | 130  | 7.68  | .03 | .     |  |                                   |  |                              |                        |                         |            |
| KP8A                            | 8          | .5000                          | 1.1250                                   | .375                                 | .313                                 | .616   | .015  | .016                           | 16  | 5/32" | 2200        | 1700        | 250  | 6.14  | .05 | .     |  |                                   |  |                              |                        |                         |            |
| EW1/2                           | NORMA      | .5040                          | .9690                                    | .250                                 | .250                                 |  |   |                                |     |       |             |             |      |       | .03 | ----  |  |                                   |  |                              |                        |                         |            |

## KP SERIES—AN200 / MS27645



| FAFNER AND MS AFBMA Bearing No. | Bore 27645 | B                              |  | D                                 |                                   | W                                      |   | H                           |           | A   |       | E           |             | C   |       | F   | Balls |     | Maximum Static Rating |  | Weight Pounds (Approx.) | Price Each |
|---------------------------------|------------|--------------------------------|--|-----------------------------------|-----------------------------------|--|---|-----------------------------|-----------|-----|-------|-------------|-------------|-----|-------|-----|-------|-----|-----------------------|--|-------------------------|------------|
|                                 |            | Diameter +.0000 - .0005 Inches | Outside Inner Ring +.0000 - .0005 Inches | Width Outer Ring +.000 - .005 In. | Width Inner Ring +.000 - .005 In. | Shoulder Width Bore Ring (Approx.) In. | Corner Chamfer x 45° Inner Ring O.D. +.015 - .000 In. | Outer Ring +.015 - .000 In. | (Approx.) | No. | Size  | Radial Lbs. | Thrust Lbs. |     |       |     |       |     |                       |  |                         |            |
| KSP3L                           | 3A         | .1900                          | .6250                                    | .245                              | .203                              | .257                                   | .005  | .016                        |           |     |       |             |             | 13  | 3/32" | 400 | 100   | .01 | .                     |  |                         |            |
| KSP3                            | 3          | .1900                          | .7774                                    | .297                              | .270                              | .342                                   | .005  | .022                        | .275      | 12  | 1/8"  | 800         | 200         | .03 | .     |     |       |     |                       |  |                         |            |
| KSP4                            | 4          | .2500                          | .9014                                    | .484                              | .335                              | .400                                   | .005  | .032                        | .408      | 12  | 5/32" | 1100        | 300         | .04 | .     |     |       |     |                       |  |                         |            |
| KSP5                            | 5          | .3125                          | 1.2500                                   | .558                              | .375                              | .562                                   | .015  | .032                        | .408      | 13  | 3/16" | 1400        | 300         | .10 | .     |     |       |     |                       |  |                         |            |
| *KS6A                           | 6A         | .3750                          | .8750                                    | .313                              | .250                              | .475                                   | .016  | .016                        | .277      | 15  | 1/8"  | 1000        | 200         | .03 | .     |     |       |     |                       |  |                         |            |

**KS SERIES SELF-ALIGNING**

\* NOTE: These bearings are self-aligning for 10° in either direction except for KS6A (not AN200) which is self-aligning for 8° in either direction.

## DP SERIES—AN207 / MS27644



**DP SERIES DOUBLE ROW, BALL**

| FAFNER Bearing No. | MS 27644 | B                          |                               | D                                      |   | W  |  | H                                    |     | A      |             | E           |     | C   |  | Balls |  | Maximum Static Non-Brinell |  | Weight Pounds (Approx.) | Price Each |
|--------------------|----------|----------------------------|-------------------------------|--|---|--|--|--------------------------------------|-----|--------|-------------|-------------|-----|-----|--|-------|--|----------------------------|--|-------------------------|------------|
|                    |          | Bore +.0000 - .0005 Inches | Diameter +.0000 - .005 Inches | Outside Inner Ring +.000 - .005 Inches | Width Outer Ring +.000 (Approx.) Inches | Shoulder Width Inner Ring (Approx.) Inches | Corner Chamfer x 45° Diameter Bore +.015 - .000 Inches | Inner Ring O. D. +.015 - .000 Inches | No. | Size   | Radial Lbs. | Thrust Lbs. |     |     |  |       |  |                            |  |                         |            |
| DPP3               | -3       | .1900                      | .7774                         | .495                                   | .473                                    | .302                                       | .005   | .02                                  | 20  | 5/32"  | 2500        | 1700        | .04 | .   |  |       |  |                            |  |                         |            |
| DPP4               | -4       | .2500                      | .9014                         | .620                                   | .491                                    | .410                                       | .005   | .032                                 | 22  | 5/32"  | 3000        | 1800        | .06 | .   |  |       |  |                            |  |                         |            |
| DPP5               | -5       | .3125                      | 1.2500                        | .745                                   | .687                                    | .469                                       | .015   | .032                                 | 20  | 1/4"   | 6900        | 4200        | .17 | .   |  |       |  |                            |  |                         |            |
| DP6                | -6       | .3750                      | 1.4375                        | .870                                   | .794                                    | .551                                       | .015   | .032                                 | 18  | 5/16"  | 9700        | 5800        | .26 | .   |  |       |  |                            |  |                         |            |
| DPP8               | -8       | .5000                      | 1.6875                        | .932                                   | .856                                    | .735                                       | .015   | .044                                 | 20  | 11/32" | 13000       | 7800        | .38 | --- |  |       |  |                            |  |                         |            |

## DSP SERIES—AN206 / MS27643



| FAFNER Bearing No. | MS 27643 | B                          |                               | D                                      |   | W  |   | H                                 |     | A     |             | E           |     | C |  | Balls |  | Maximum Static Non-Brinell |  | Weight Pounds (Approx.) | Price Each |
|--------------------|----------|----------------------------|-------------------------------|--|---|--|---|-----------------------------------|-----|-------|-------------|-------------|-----|---|--|-------|--|----------------------------|--|-------------------------|------------|
|                    |          | Bore +.0000 - .0005 Inches | Diameter +.0000 - .005 Inches | Outside Inner Ring +.000 - .005 Inches | Width Outer Ring +.000 (Approx.) Inches | Shoulder Width Inner Ring (Approx.) Inches | Corner Chamfer x 45° Diameter Bore +.015 - .000 In. | Inner Ring O. D. +.015 - .000 In. | No. | Size  | Radial Lbs. | Thrust Lbs. |     |   |  |       |  |                            |  |                         |            |
| DSP3               | -3       | .1900                      | .7774                         | .500                                   | .392                                    | .304                                       | .005  | .022                              | 24  | 1/8"  | 1000        | 200         | .04 | . |  |       |  |                            |  |                         |            |
| DSP4               | -4       | .2500                      | .9014                         | .687                                   | .464                                    | .430                                       | .005  | .032                              | 30  | 1/8"  | 13000       | 300         | .06 | . |  |       |  |                            |  |                         |            |
| DSP5               | -5       | .3125                      | 1.2500                        | .812                                   | .656                                    | .515                                       | .015  | .032                              | 28  | 3/16" | 2600        | 600         | .16 | . |  |       |  |                            |  |                         |            |
| DSP6               | -6       | .3750                      | 1.4375                        | .937                                   | .750                                    | .564                                       | .015  | .032                              | 28  | 7/32" | 3600        | 800         | .24 | . |  |       |  |                            |  |                         |            |
| DSP8               | -8       | .5000                      | 1.6875                        | 1.000                                  | .812                                    | .775                                       | .015  | .044                              | 30  | 1/4"  | 5000        | 1000        | .36 | . |  |       |  |                            |  |                         |            |