



**IPD Engine Bearing Size
Quick Reference**

IPD TECH BULLETIN

April 2007

IPDTB-0009

Application Guide ONLY. This is not intended to be a complete list or catalog. Please check availability for items in red-italic.

| ENGINE | MAIN BRG STD | .25mm | .50mm | |
|-------------|--------------------|------------------------|------------------------|------------------------------------|
| 3114 | | 1-1077708 3-1011530 | 1-1450162 3-1450163 | 1-1450164 3-1450165 |
| | THRUST | | .25mm 1-1077602 | .50mm 1-7C6966 1-7C6967 |
| | ROD BRG STD | | .25mm 4-2246638 | .50mm 4-7C6976 4-7C6977 |
| | CAM BRG | PIN BUSHING | | BALANCE BRG |
| | | 1-2W7211 4-2W7213 | 4-2W0027 | <i>1-7C7225</i> <i>2-7C7197</i> |

| ENGINE | MAIN BRG STD | .25mm | .50mm | NOTES | |
|--------------------|--------------------|------------------------|-------------------------------|-------------------------------|--------------------------------|
| 3116 | | 3-1077708 3-1011530 | 3-1450162 3-1450163 | 3-1450164 3-1450165 | GROOVED BLOCK GROOVED BLOCK |
| | | <i>OR</i> | | | |
| | | 6-1077708 | 6-1450162 | 6-1450164 | <u>NON</u> GROOVED BLOCK |
| | THRUST | | .25mm 1-1077602 | .50mm 1-7C6966 1-7C6967 | NOTES ALL |
| ROD BRG STD | | .25mm 6-2246638 | .50mm 6-7C6976 6-7C6977 | | |
| CAM BRG | PIN BUSHING | | | | |
| | | 1-2W7211 6-2W7213 | 6-2W0027 | | |

| ENGINE | MAIN BRG STD | .25mm | .50mm | |
|-------------|--------------------|----------------------|------------------------|-------------------------------|
| 3126 | | 6-1077708 | 6-1450162 6-1450164 | |
| | THRUST | | .25mm 1-1077602 | .50mm 1-7C6966 1-7C6967 |
| | ROD BRG STD | | .25mm 6-2246638 | .50mm 6-7C6976 6-7C6977 |
| | CAM BRG | PIN BUSHING | | |
| | | 1-2W7211 6-2W7213 | 6-2W0027 | |

| ENGINE | MAIN BRG STD | 0.010 | 0.020 | NOTES | |
|--------------------|--------------------|-----------------------|--------------------------------------|-------------------------------------|--|
| 3204 | | 3-1W0312 2-1W0311 | 3-1W1661 2-1W1655 | 3-1W1662 2-1W1656 | GROOVED FRONT MAIN GROOVED FRONT MAIN |
| | | <i>OR</i> | | | |
| | | 3-4W8093 2-4W8092 | 3-8N8976 2-8N9022 | 3-8N8972 2-8N9023 | <u>NON</u> -GROOVED FRONT MAIN <u>NON</u> -GROOVED FRONT MAIN |
| | THRUST | | | | |
| | | 2-1003652 2-6N8940 | .217" THICK .185" THICK | | |
| ROD BRG STD | | 0.010 4-8N6308 | 0.020 4-1N3821 | 4-1N3822 NOTES 1" WIDE | |
| CAM BRG | PIN BUSHING | | | NOTES | |
| | | 1-1W5920 2-9N5246 | 4-9N5082- note * 4-8N0701 note ** | * WIDE TAPER ** STRAIGHT SIDE | |

Continued next page...

| ENGINE | MAIN BRG STD | 0.010 | 0.020 | 0.050 | NOTES | |
|----------------------|-------------------------------------|------------------------------------|------------------------------------|--|--|-------|
| 3208 | 1-4W8093 3-4W8092 | 1-8N8976- 3-8N9022 | 1-8N8972- 3-8N9023 | 1-8N8974 3-8N9020 | NON-GROOVED FRONT MAIN NON-GROOVED FRONT MAIN | |
| | STD ID/+.010 OD | .020 ID/+.010 OD | .050 ID/+.010 OD | | NOTES | |
| | 1-8N8973 3-8N9021 | 1-8N8971 3-8N9019 | 1-8N8975 3-8N9018 | | NON-GROOVED FRONT MAIN NON-GROOVED FRONT MAIN | |
| | OR | | | | | |
| | MAIN BRG STD | 0.010 | 0.020 | 0.050 | NOTES | |
| | 1-8N8929 3-4W8092 | 1-8N8926 3-8N9022 | 1-8N8931 3-8N9023 | 1-8N8932 3-8N9020 | GROOVED FRONT MAIN GROOVED FRONT MAIN | |
| STD ID/+.010 OD | .020 ID/+.010 OD | .050 ID/+.010 OD | | NOTES | | |
| 1-8N8928 3-8N9021 | 1-8N8930 3-8N9019 | 1-8N8927 3-8N9018 | | GROOVED FRONT MAIN GROOVED FRONT MAIN | | |
| OR | | | | | | |
| MAIN BRG STD | 0.010 | 0.020 | 0.050 | NOTES | | |
| 4-4W8092 | 4-8N9022 | 4-8N9023 | 4-8N9020 | BLOCK 'S 9L6553,9N0130,9N1250 | | |
| STD ID/+.010 OD | .020 ID/+.010 OD | .050 ID/+.010 OD | | NOTES | | |
| 4-8N9021 | 4-8N9019 | 4-8N9018 | | BLOCK 'S 9L6553,9N0130,9N1250 | | |
| THRUST STD. | 0.010 | 0.020 | 0.050 | USED WITH GROOVED, NON-GROOVED | | |
| 1-4W8091 | 1-8N9065 | 1-8N9064 | 1-8N9066 | AND BLOCK #'s 9L6553, 9N0130 & 9N1250 | | |
| STD ID/+.010 OD | .020 ID/+.010 OD | .050 ID/+.010 OD | | | | |
| 1-8N9067 | 1-8N9068 | 1-8N9069 | | | | |
| ROD BRG STD | 0.010 | 0.020 | 0.050 | NOTES | | |
| 8-4W8090 8-9N5923 | 8-9N5920 8-9N5924 | 8-9N5921 8-9N5925 | 8-9N5922 | 1" wide .950" WIDE | | |
| CAM BRG | PIN BUSHING | NOTES | | | | |
| 5-9N5246 | 8-9N5082 note * 8-8N0701 note ** | * WIDE TAPER ** STRAIGHT SIDE | | | | |
| ENGINE | MAIN BRG STD | 0.010 | 0.020 | 0.030 | 0.040 | 0.050 |
| 3304 | 5-2323233 (FORMER 4W5738) | 5-8N8225 | 5-8N8226 | 5-8N8227 | 5-4W5738-040 | |
| | THRUST | NOTES | | | | |
| | 2-9S3037 | .232" THICK | | | | |
| | 2-6N8940 | .185" THICK | | | | |
| | 2-1003652 | .217" THICK | | | | |
| | ROD BRG STD | 0.010 | 0.020 | 0.030 | 0.040 | 0.050 |
| 4-4W5739 | 4-8N8221 | 4-8N8222 | 4-8N8223 | 4-4W5739-40 | 4-4W5739-50 | |
| CAM BRG | PIN BUSHING | BALANCE BRG | NOTES | | | |
| 1-9M5477 | 4-8N0703 note * | 4-5S6419 | * STRAIGHT SIDE LARGE PIN (1.7") | | | |
| 2-7M4046 | 4-8N1849 note ** | 2-5S6420 | ** TAPERED LARGE PIN (1.7") | | | |
| | 4-8N0702 note *** | | *** STRAIGHT SIDE SMALL PIN (1.5") | | | |
| | 4-8N1985 note**** | | **** TAPERED SMALL PIN (1.5") | | | |
| ENGINE | MAIN BRG STD | 0.010 | 0.020 | 0.030 | 0.040 | 0.050 |
| 3306 | 7-2323233 (FORMER 4W5738) | 7-8N8225 | 7-8N8226 | 7-8N8227 | 7-4W5738-040 | |
| | THRUST | NOTES | | | | |
| | 2-9S3037 | .232" THICK | | | | |
| | 2-6N8940 | .185" THICK | | | | |
| | 2-1003652 | .217" THICK | | | | |
| | ROD BRG STD | 0.010 | 0.020 | 0.030 | 0.040 | 0.050 |
| 6-4W5739 | 6-8N8221 | 6-8N8222 | 6-8N8223 | 6-4W5739-40 | 6-4W5739-50 | |
| CAM BRG | PIN BUSHING | NOTES | | | | |
| 1-9M5477 | 4-8N0703 note * | * STRAIGHT SIDE LARGE PIN (1.7") | | | | |
| 4-7M4046 | 4-8N1849 note ** | ** TAPERED LARGE PIN (1.7") | | | | |
| | 4-8N0702 note *** | *** STRAIGHT SIDE SMALL PIN (1.5") | | | | |
| | 4-8N1985 note**** | **** TAPERED SMALL PIN (1.5") | | | | |

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| ENGINE | MAIN BRG STD | 0.010 | 0.025 | 0.050 | |
|-------------------------|------------------------------|----------------------------------|-----------------|--------------|-------------------------|
| 3406A, B & C | 7-2110592 (FORMER 4W5492) | 7-4W5492-010 | 7-4W5698 | 7-4W5699 | |
| | THRUST | | | | |
| | 2-7E9262 | | | | |
| | ROD BRG STD | 0.010 | 0.025 | 0.050 | NOTES |
| | 6-9Y9497G | 6-9Y9497G-010 | 6-4W5702G | 6-4W5703G | NARROW STYLE 1.53" WIDE |
| | 6-9Y7735G | | 6-7E0558 | 6-7E0559 | WIDE STYLE 1.92" WIDE |
| | 3406 CAM BRG STD. | PIN BUSHING | NOTES | | |
| | 1-4N6658 | 6-8N0705 note * | * STRAIGHT SIDE | | |
| | 6-4N0685 | 6-8N0706 note ** | ** NARROW TAPER | | |
| | | 6-8N2018 note *** | *** WIDE TAPER | | |
| | 6-4P8495 note **** | **** WIDE TAPER W/RELIEF | | | |
| | 6-6I2726 note ***** | ***** WIDE TAPER BIG PIN (2.16") | | | |

| ENGINE | MAIN BRG STD | 0.010 | 0.025 | 0.050 | |
|-------------------------|------------------------------|--------------------------------|--------------------------------|--------------------|-------------------------------|
| 3406E & C 15 | 7-2110592 (FORMER 4W5492) | 7-4W5492-010 | 7-4W5698 | 7-4W5699 | |
| | THRUST | | | | |
| | 2-7E9262 | | | | |
| | ROD BRG STD | | 0.025 | 0.050 | NOTES |
| | 6-9Y7735G | | 6-7E0558 | 6-7E0559 note * | * WIDE STYLE 1.92" WIDE |
| | 6-2243246 | | 6-2323235 | 6-2323236 note ** | ** LATE C-15 WITH 4 BOLT RODS |
| | 3406E CAM BRG STD | 3406E CAM BRG +0.010 OD | 3406E CAM BRG +0.030 OD | PIN BUSHING | NOTES |
| | 7-1345251 | 7-1504793 | 7-1608151 | 6-6I2726 note * | * WIDE TAPER BIG PIN (2.16") |
| | | | | 6-2285820 note ** | ** LATE C-15 WITH 4 BOLT RODS |

| ENGINE | MAIN BRG STD | 0.010 | 0.025 | 0.050 | |
|-------------|------------------------------|--------------------------|-----------------|--------------|-------------------------|
| 3408 | 5-2110592 (FORMER 4W5492) | 5-4W5492-010 | 5-4W5698 | 5-4W5699 | |
| | THRUST | | | | |
| | 2-7E9262 | | | | |
| | ROD BRG STD | 0.010 | 0.025 | 0.050 | NOTES |
| | 8 9Y9497G | 8-9Y9497G-010 | 8-4W5702G | 8-4W5703G | NARROW STYLE 1.53" WIDE |
| | 8-9Y7735G | | 8-7E0558 | 8-7E0559 | WIDE STYLE 1.92" WIDE |
| | CAM BRG | PIN BUSHING | NOTES | | |
| | 2-4N6658 | 8-8N0705 note * | * STRAIGHT SIDE | | |
| | 3-4N0685 | 8-8N0706 note ** | ** NARROW TAPER | | |
| | | 8-8N2018 note *** | *** WIDE TAPER | | |
| | 8-4P8495 note **** | **** WIDE TAPER W/RELIEF | | | |

| ENGINE | MAIN BRG STD | 0.010 | 0.025 | 0.050 | |
|-------------|------------------------------|--------------------------|-----------------|--------------|-------------------------|
| 3412 | 7-2110592 (FORMER 4W5492) | 7-4W5492-010 | 7-4W5698 | 7-4W5699 | |
| | THRUST | | | | |
| | 2-7E9262 | | | | |
| | ROD BRG STD | 0.010 | 0.025 | 0.050 | NOTES |
| | 12-9Y9497G | 12-9Y9497G-010 | 12-4W5702G | 12-4W5703G | NARROW STYLE 1.53" WIDE |
| | 12-9Y7735G | | 12-7E0558 | 12-7E0559 | WIDE STYLE 1.92" WIDE |
| | CAM BRG | PIN BUSHING | NOTES | | |
| | 5-4N0685 | 12-8N0705 note * | * STRAIGHT SIDE | | |
| | 2-4N6658 | 12-8N0706 note ** | ** NARROW TAPER | | |
| | | 12-8N2018 note *** | *** WIDE TAPER | | |
| | 12-4P8495 note **** | **** WIDE TAPER W/RELIEF | | | |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 | |
|--------------------|--------------------|--------------------|--------------|--|
| 3508 | 5-1050253 | 5-1050254 | 5-1050255 | |
| | THRUST | | | |
| | 2-7C6209 | | | |
| | ROD BRG STD | 0.025 | 0.050 | |
| | 8-1077330 | 8-1077331 | 8-1077332 | |
| | CAM BRG | PIN BUSHING | NOTES | |
| 10-7N2048 note * | 8-1181655 | * EARLY 3.62" OD | | |
| 10-1161359 note ** | | **LATE 3.86" OD | | |

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| ENGINE | MAIN BRG STD | 0.025 | 0.050 |
|-------------|--------------------|--------------------|-------------------|
| 3512 | 7-1050253 | 7-1050524 | <i>7-1050253</i> |
| | THRUST | | |
| | 2-7C6209 | | |
| | ROD BRG STD | 0.025 | 0.050 |
| | 12-1077330 | 12-1077331 | <i>12-1077332</i> |
| | CAM BRG | PIN BUSHING | NOTES |
| | 14-7N2048 note* | 12-1181655 | * EARLY 3.62" OD |
| | 14-1161359 note** | | **LATE 3.86" OD |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 |
|-------------|--------------------|--------------------|-------------------|
| 3516 | 9-1050253 | 9-1050524 | <i>9-1050253</i> |
| | THRUST | | |
| | 2-7C6209 | | |
| | ROD BRG STD | 0.025 | 0.050 |
| | 16-1077330 | 16-1077331 | <i>16-1077332</i> |
| | CAM BRG | PIN BUSHING | NOTES |
| | 18-7N2048 note* | 16-1181655 | * EARLY 3.62" OD |
| | 18-1161359 note** | | **LATE 3.86" OD |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 | NOTES |
|-----------------|--------------------|--------------------|---|---------------------------|
| 342 | 6-8N7923 | 6-8N7924 | 6-8N7925 | LARGE JOURNAL (4.261") |
| | 1-8N7928 | 1-8N7929 | 1-8N7930 | LARGE JOURNAL (4.261") |
| | <i>1-6F1931</i> | <i>1-2H2451</i> | <i>1-6F1935</i> | SMALL JOURNAL (3.750") |
| | <i>4-6F1932</i> | <i>4-2H2449</i> | <i>4-6F1936</i> | SMALL JOURNAL (3.750") |
| | <i>1-4H5510</i> | <i>1-4H5511</i> | <i>1-4H5512</i> | SMALL JOURNAL (3.750") |
| | <i>1-6H4510</i> | <i>1-7H4448</i> | <i>1-7H4449</i> | SMALL JOURNAL (3.750") |
| | ROD BRG STD | 0.025 | 0.050 | NOTES |
| | 6-8N7933 | 6-8N7934 | 6-8N7935 | LATE STYLE PARTIAL GROOVE |
| | <i>6-2M2499</i> | <i>6-2M6500</i> | <i>6-2M6501</i> | EARLY STYLE FULL GROOVE |
| | CAM BRG | PIN BUSHING | NOTES | |
| 3-8F8523 | 4M9183 | | | |
| 2-4H9640 note * | | | * 2 ADDITIONAL 4H9640 ARE USED IN FRONT COVER | |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 |
|------------|--------------------|--------------------|--------------|
| 343 | 6-7W2138 | 6-8N5346 | 6-8N5347 |
| | 1-7W2137 | 1-8N5341 | 1-8N5342 |
| | ROD BRG STD | 0.025 | 0.050 |
| | 6-7W2136 | 6-8N5339 | 6-8N5338 |
| | CAM BRG | PIN BUSHING | |
| | 12-5M3560 | 6-1M6107 | |
| | 2-5M3603 | | |

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| ENGINE | MAIN BRG STD | 0.025 | 0.050 | NOTES |
|----------------|--------------------|----------------------|-----------------|--------------|
| 353 | 1-1N4316 | 1-1N4319 | 1-1N4322 | LATE STYLE |
| | 4-1N4317 | 4-1N4320 | 4-1N4323 | LATE STYLE |
| | 1-1N4318 | 1-1N4321 | 1-1N4324 | LATE STYLE |
| | 1-1N4331 | 1-1N4332 | 1-1N4333 | LATE STYLE |
| | OR | | | |
| | <i>1-9M3893</i> | <i>1-9M4872</i> | <i>1-9M4877</i> | EARLY STYLE |
| | <i>4-9M3894</i> | <i>4-9M4873</i> | <i>4-9M4878</i> | EARLY STYLE |
| | <i>1-9M3895</i> | <i>1-9M3895</i> | <i>1-9M4879</i> | EARLY STYLE |
| | <i>1-9M3896</i> | <i>1-9M4875</i> | <i>1-9M4880</i> | EARLY STYLE |
| | ROD BRG STD | 0.025 | 0.050 | NOTES |
| 6-1N4336 | 6-1N4337 | 6-1N4338 | ALL | |
| CAM BRG | PIN BUSHING | NOTES | | |
| 6-2H2330 | 6-8N2275 | | | |
| 1-2H7878 | 6-8N2275-005 note* | * .005" OVERSIZED OD | | |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 | NOTES |
|------------|--------------------|--------------------|----------------------|-------|
| 379 | 5-8N7764 | 5-8N7765 | 5-8N7766 | |
| | THRUST | | | |
| | 2-4L4653 | | | |
| | ROD BRG STD | 0.025 | 0.050 | |
| | 8-8N7769 | 8-8N7770 | 8-8N7771 | |
| | CAM BRG | PIN BUSHING | NOTES | |
| | 5-5L2894 | 8-8N2275 | | |
| | | 8-8N2275-005 note* | * .005" OVERSIZED OD | |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 | NOTES |
|------------|--------------------|---------------------|----------------------|-------|
| 398 | 7-8N7764 | 7-8N7765 | 7-8N7766 | |
| | THRUST | | | |
| | 2-4L4653 | | | |
| | ROD BRG STD | 0.025 | 0.050 | |
| | 12-8N7769 | 12-8N7770 | 12-8N7771 | |
| | CAM BRG | PIN BUSHING | NOTES | |
| | 7-5L2894 | 12-8N2275 | | |
| | | 12-8N2275-005 note* | * .005" OVERSIZED OD | |

| ENGINE | MAIN BRG STD | 0.025 | 0.050 | NOTES |
|------------|--------------------|---------------------|----------------------|-------|
| 399 | 9-8N7764 | 9-8N7765 | 9-8N7766 | |
| | THRUST | | | |
| | 2-4L4653 | | | |
| | ROD BRG STD | 0.025 | 0.050 | |
| | 16-8N7769 | 16-8N7770 | 16-8N7771 | |
| | CAM BRG | PIN BUSHING | NOTES | |
| | 9-5L2894 | 16-8N2275 | | |
| | | 16-8N2275-005 note* | * .005" OVERSIZED OD | |