

KMP BRAND CRANKSHAFTS

SUITABLE FOR:

CASE IH®

CATERPILLAR®

CUMMINS®

FIAT®

FORD NEW HOLLAND®

IVECO TECTOR®

JCB®

JOHN DEERE®

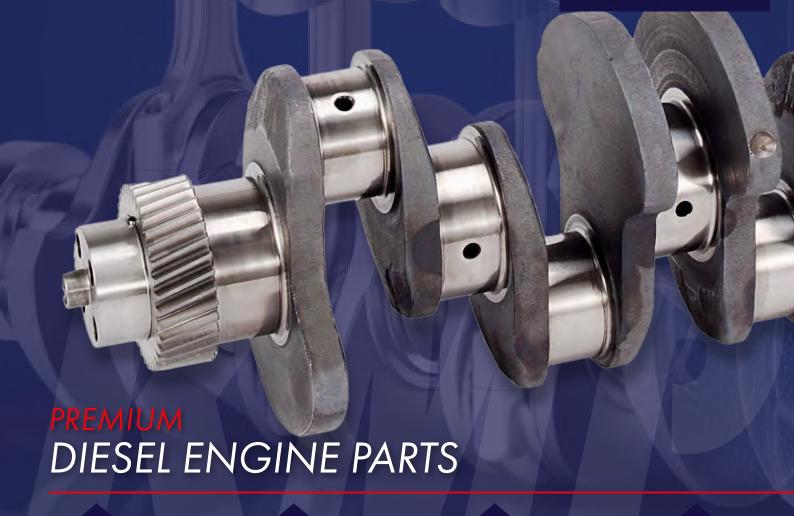
KOMATSU®

MASSEY FERGUSON®

NEF®

PERKINS®

SHIBAURA®











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PROMO 155 JUNE 2025



PREMIUM KMP BRAND CRANKSHAFTS





INDEX

PAGE	DESCRIPTION
2	CASE IH
3	CATERPILLAR
6	CUMMINS
8	FIAT
9	FORD NEW HOLLAND
10	IVECO
11	JCB
16	JOHN DEERE
18	KOMATSU
21	MASSEY FERGUSON
25	NEF
27	PERKINS
31	SHIBAURA









for CASE IH®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
100U, 1095N, 1095V, 70U, 75, 80, 80U, 85, 90, 90U, 95, AVJ70, VJ70, VJ80	4771240	Stroke: 115mm (4.52'') Main Journal Diameter: 79.81mm Conrod Journal Diameter: 63.744mm Front Nose: Threaded & Woodruff Slot Rear Flange/Flywheel: 7 Holes		Forged Tapered Nose Rope Seal With Crankshaft Gear – 27 Teeth
1660, 1666, 1670, 1680, 1688, 2022, 2022, 2044, 2044, 2155, 2166, 2188, 2365, 2366, 2377, 2388, 2399 (BRASIL), 255, 2555, 420 SKID STEER, 5088, 7110, 7120, 7130, 7130, 7130, 7140, 7150, 7210, 7220, 7230, 7240, 7250, 8910, 8920, 8930, 8940, 8950, 9210, 9230, 9240, 9310, 9330, CF60, CF70, CF80, CPX420, CPX620, MX180, MX200, MX210, MX220, MX230, MX240, MX255, MX270, MX285, STX275, STX325	J917443	Stroke: 135mm (5.31'') Main Journal Diameter: 98mm Conrod Journal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Pin Holes		With Crankshaft Gear – 42 Teeth
1840, 1845C, 40XT, 60XT, 70XT, 75XT, 85XT, 90XT, 95XT	J908031	Stroke: 120mm (4.72") Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 4 Holes, 1 Key Rear Flange/Flywheel: 8 Holes, 2 Pin Holes		With Crankshaft Gear – 36 Teeth
238, 276, 354, 374, 384, 424, 434, 444, B275, B414	751303R91	Stroke: 101.6mm (4") Main Journal Diameter: 53.975mm Conrod Journal Diameter: 44.45mm Front Nose: Threaded End Rear Flange/Flywheel: 4 Holes, 2 Dowel		Supplied as Kit with Bearings
276, 353, 354, 374, 384, 434, 444, B275, B414	3110995R91	Stroke: 101.6mm (4'') Main Journal Diameter: 53.975mm Conrod Journal Diameter: 44.45mm Front Nose: Threaded End Rear Flange/Flywheel: 4 Holes, 2 Dowel		
4210, 4220, 574, 674, 684, 685, 685XL, 695, 695XL, 724, 743, 743XL, 744, 745S, 745XL, 784, 785, 785XL, 795, 795XL, 824, 844, 844XL	3144626R92	Stroke: 129mm (5.06'') Main Journal Diameter: 79.984mm Conrod Journal Diameter: 63.987mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 7 Holes, 1 Dowel	15010017, 3144624R92	Supplied as Kit with Bearings With Balancer Gear – 90 Teeth
4230, 844S, 845, 845XL, 885, 885XL, 895, 895XL	3228376R91	Stroke: 140mm (5.5") Main Journal Diameter: 79.984mm Conrod Journal Diameter: 63.987mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 7 Holes, 1 Dowel		With Balancer Gear – 90 Teeth With Crankshaft Gear



for CASE IH®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
5130, 5140, 5150, 5230, 5240, 5250, MX100, MX110, MX120, MX135, MX150, MX170	Ј918324	Stroke: 120mm (4.72'') Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Dowels		With Crankshaft Gear – 36 Teeth

for CATERPILLAR®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
3003	153-5526*			Supplied as Kit with Bearings
3013, 3013C, C1.1, C1.5	311-1157	Stroke: 90mm (3.54") Main Journal Diameter: 67.965mm Conrod Journal Diameter: 51.97mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel	235-6962	With Crankshaft Gear – 33 Teeth
3024-3024C, C1.5, C2.2	308-1852	Stroke: 100mm (3.93") Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose
3054-3054B	364-2828	Stroke: 127mm (5'') Main Journal Diameter: 76.2mm Conrod Journal Diameter: 63.5mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel	11010761	Supplied as Kit with Bearings Splined Nose Balance Weights in webs
3054-3054B	7C6944	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose
3054-3054B, 3054B(DINA), 3054DIT, 3054NA, 3054T	139-7018	Stroke: 127mm (5") Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 3 Holes Rear Flange/Flywheel: 7 Holes		Supplied as Kit with Bearings Splined Nose Forged
3054-3054B, 3054C- 3054E, C4.4 ACERT	232-7400	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes, 1 Keyway Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose 60mm Snout
3054C-3054E, C4.4	359-0715	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 67.992mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings



for CATERPILLAR®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
3054C-3054E, C4.4	364-2829	Stroke: 127mm (5'') Main Journal Diameter: 76.17mm Conrod Journal Diameter: 63.48mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose 67mm Snout
3066, C6.4	125-3005	Stroke: 130mm (5.11'') Main Journal Diameter: 90mm Conrod Journal Diameter: 60mm Front Nose: 1 Hole & Woodruff Slot Rear Flange/Flywheel: 6 Holes, 2 Pin Holes	517671	With Crankshaft Gear – 23 Teeth
3116, 3126-3126B, C7	271-5658	Stroke: 127mm (5") Main Journal Diameter: 90mm Conrod Journal Diameter: 70mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 1 Dowel	105-1725, 227- 5480, 4W3498	With Crankshaft Gear
3204	1W9771	Stroke: 127mm (5") Main Journal Diameter: 88.89mm Conrod Journal Diameter: 69.86mm Front Nose: 1 Hole Rear Flange/Flywheel: 8 Holes	1W0401, 2W8367, 4N0112, 6N8291	Forged With Crankshaft Gear
3304, D330 C	2W7960	Stroke: 152.4mm (6'') Main Journal Diameter: 88.9mm Conrod Journal Diameter: 76.2mm Front Nose: 1 Hole Rear Flange/Flywheel: 9 Holes, 1 Dowel	242-3440, 2P6214, 337- 0872, 4N7692, 4N7694, 4N7695, 5C3835, 5S5252, 5Y1544	With Crankshaft Gear – 40 Teeth
3306, 3306C, D333 C	2W7458	Stroke: 152.4mm (6'') Main Journal Diameter: 88.9mm Conrod Journal Diameter: 76.2mm Front Nose: 1 Hole Rear Flange/Flywheel: 9 Holes, 1 Dowel	242-3439, 269- 8763, 2P6221, 318-5371, 334- 8389, 4N7676, 4N7693, 4N7696, 4N7697, 4P9857, 5S5871, 6N8079	With Crankshaft Gear – 40 Teeth
3406, 3406C	117-0456		1W6206, 1W6207, 2W0440, 2W2300, 2W2585, 6N3907, 7C3536, 7C4859	
3406, 3406C, 3406E	430-2593	Stroke: 165.1 mm (6.5") Main Journal Diameter: 120.67mm Conrod Journal Diameter: 90mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 12 Holes	136-8882, 4P4334, 611453	



for CATERPILLAR®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
3406, 3406C, 3406E	4N0741	Stroke: 165.1 mm (6.5") Main Journal Diameter: 120.67mm Conrod Journal Diameter: 90mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 12 Holes		Supplied as Kit with Bearings
C13	313-3997	Stroke: 157mm (6.18") Main Journal Diameter: 108mm Conrod Journal Diameter: 89mm Front Nose: 6 Holes Rear Flange/Flywheel: 8 holes, 1 Dowel	221-9364	With Crankshaft Gear
C15	221-9360	Stroke: 171.44mm (6.74") Main Journal Diameter: 120.65mm Conrod Journal Diameter: 97mm Front Nose: 6 Holes Rear Flange/Flywheel: 12 Holes, 1 Pin Hole	337-0201	
C3.3	273-9297	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes, 1 Dowel Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose
C6.4	294-1749	Stroke: 130mm (5.11'') Main Journal Diameter: 90mm Conrod Journal Diameter: 60mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 2 Dowels	296-4650	
C6.6	376-4075	Stroke: 127mm (5'') Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel		
C6.6, C6.6 ACERT	292-5859	Stroke: 127mm (5'') Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel	276-7387	Supplied as Kit with Bearings
C7.1	376-4074	Stroke: 127mm (5") Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 3 Holes Rear Flange/Flywheel: 12 holes		
C9	261-1544	Stroke: 149mm (5.86'') Main Journal Diameter: 104mm Conrod Journal Diameter: 80mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel	160-8147	With Crankshaft Gear
C9, C9.3, C9.3 ACERT	282-7958	Stroke: 149mm (5.86'') Main Journal Diameter: 104mm Conrod Journal Diameter: 80mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 1 Dowel		With Crankshaft Gear



for **CUMMINS®**

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
4B4.5	3939367	Stroke: 138mm (5.43'') Main Journal Diameter: 83mm Conrod Jornal Diameter: 66mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes		
4BT3.9	3908031	Stroke: 120mm (4.72") Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 4 Holes, 1 Keyway Rear Flange/Flywheel: 8 Holes, 2 Pin Holes	3863276, 3904477, 3907803, 3929036, 3968066	With Crankshaft Gear – 36 Teeth
4ISBE, ISB3.9	4981226	Stroke: 120mm (4.72'') Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 6 holes, 1 Dowel Rear Flange/Flywheel: 8 holes, 1 Dowel	2831067, 4025081, 4896764, 4934564	With Crankshaft Gears
4ISBE, ISB4.5, QSB 4.5	3974539	Stroke: 124mm (4.88") Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 2 Dowels	3968176, 5289840	With Crankshaft Gears
6BT5.9	3908032	Stroke: 120mm (4.72'') Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Dowels	3863320, 3905730, 3907804, 3929037	With Crankshaft Gear – 36 Teeth
6CT8.3, 6CTA8.3, 6CTAA8.3, QSC8.3	3918986	Stroke: 135mm (5.31'') Main Journal Diameter: 98mm Conrod Jornal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 holes, 2 Pin Holes	3904363, 3905625, 3910968, 3914584, 3917320, 3917443	With Crankshaft Gear – 42 Teeth
6CTAA8.3, QSC8.3	3965008	Stroke: 135mm (5.31") Main Journal Diameter: 98mm Conrod Jornal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 1 Dowel	3965006, 3965007	With Crankshaft Gear & Speed Indicator Ring
6ISBE, ISB5.9	2830476	Stroke: 120mm (4.72") Main Journal Diameter: 82.987mm Conrod Jornal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes	2830477, 3968201, 4896766, 4934566	With Crankshaft Gears
6ISBE, ISB5.9, QSB 5.9	3944243	Stroke: 120mm (4.72") Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes	3941199, 3944204	With Crankshaft Gear & Speed Indicator Ring
6ISBE, ISB6.7, QSB 6.7	3974635	Stroke: 124mm (4.88") Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 2 Dowels	3968164, 3974538, 4934861, 4934862, 5301009	With Crankshaft Gears



for **CUMMINS®**

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
855, NT855	3608833	Stroke: 152.4mm (6'') Main Journal Diameter: 114.3mm Conrod Jornal Diameter: 79.37mm Front Nose: 6 Holes Rear Flange/Flywheel: 6 Holes, 2 Pin Holes	211960, 211980, 216060, 3000140, 3004165, 3019148, 3020657, 3024923, 3251055	Forged Snubbed Nose
ISM11, M11, QSM11	3073707	Stroke: 147mm (5.78") Main Journal Diameter: 114.035mm Conrod Jornal Diameter: 79mm Front Nose: 5 Holes Rear Flange/Flywheel: 8 holes, 2 Dowels	2882729	Long Nose
ISX 15, QSX15	4925762	Stroke: 169mm (6.65'') Main Journal Diameter: 127mm Conrod Jornal Diameter: 94mm Front Nose: 8 holes, 1 Dowel Rear Flange/Flywheel: 12 Holes, 1 Dowel	3608889, 3681910, 3681911, 3691443, 3691444, 4319022, 4330732, 925761, 5440757, 5440758	With Crankshaft Gear – 38 Teeth & Speed Indicator Ring
KT19	3347569	Stroke: 158.8mm (6.25'') Main Journal Diameter: 139.69mm Conrod Jornal Diameter: 101.59mm Front Nose: 6 Holes Rear Flange/Flywheel: 9 Holes	206910, 3003000, 3005357, 3016096, 3096362, 3201083, 3418898, 3418910, AR10011, AR11621	With Crankshaft Gear
QSK23	4096696		4096697, 4334457, 4334458	With Crankshaft Gears
QSK23	4095435	Stroke: 170mm (6.69'') Main Journal Diameter: 140mm Conrod Jornal Diameter: 108mm	4096111	With Crankshaft Gears
QSL9	3965012	Stroke: 144.5mm (5.68'') Main Journal Diameter: 98mm Conrod Jornal Diameter: 76mm Front Nose: 5 Holes, 1 Keyway Rear Flange/Flywheel: 8 Holes, 1 Dowel	3965010, 3965011	With Crankshaft Gear & Speed Indicator Ring



for FIAT®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
65-46, 65-46DT, 65-56, 65-66DT, 65-88, 65-88DT, 65-90, 65-90DT, 65-93, 65-93DT, 65-94, 65-94DT, 70-56L, 70-65F, 70-66F, 70-66LP, 70-75F, 70-75M, 70-76DT, 70-76F, 70-76LP, 70-76V, 70-86V, 70-88, 70-88DT, 70-90, 70-90DT, 72-94, 72-94DT, 80-66, 80-66DT, 80-66F, 80-76DT, 80-8B, 80-8BDT, 80-90, 80-90DT, 82-85M, 82-86DT, 82-94DT, 82-94, 82-94DT, 85-55, 85-90, 85-90DT, 88-85C, 88-85M, 88-93, 88-93DT, 88-94, 88-94DT, 165, 175, 185, 195	4785110	Stroke: 115mm (4.52'') Main Journal Diameter: 79.81mm Conrod Jornal Diameter: 63.744mm Front Nose: Threaded Rear Flange/Flywheel: 7 Holes		Forged Rope Seal Tapered Nose With Crankshaft Gear – 27 Teeth



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for FORD NEW HOLLAND®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
2120, 3040, 3045, 3050, 45D, 8N, F480, TC40D, TC45A, TC45D	87772344	Stroke: 100mm (3.93'') Main Journal Diameter: 68mm Conrod Jornal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose With Balancer Gear
3930, 4000, 4110, 4130, 4400, 4610	C5NE6303N	Stroke: 111.76mm (4.4") Main Journal Diameter: 85.648mm Conrod Jornal Diameter: 69.862mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	VPC1042	
4230, 4330, 4835, 5010S, 5635, 6635, 7635, TD75D, TD75F, TD80, TD80D, TD80DPLUS, TD85D, TD90, TD90DPLUS, TD95D, TD95D, TD95DPLUS, TL100, TL100 (BRAZIL), TL70, TL70 (BRAZIL), TL80, TL90 (BRAZIL), TL90, TL90 (BRAZIL), TN65F, TN75FA, TN75FA, TN95FA, TN95NA, TN95VA	98451529	Stroke: 115mm (4.52'') Main Journal Diameter: 79.81mm Conrod Jornal Diameter: 63.744mm Front Nose: 1 Hole & Woodruff Slot Rear Flange/Flywheel: 7 Holes	16010017, 4785304, 504065889, 504125323, 5088487	Forged Rope Seal Tapered Nose With Crankshaft Gear – 27 Teeth
4830, 5000, 5030, 5110, 5200, 5600, 5610, 5700, 5900, 6410, 6600, 6610, 6700, 6700, 6710, 7000, 7100, 7200, 7600, 7700	C5NE6303K	Stroke: 106.68mm (4.2") Main Journal Diameter: 85.648mm Conrod Jornal Diameter: 69.862mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes	81804029	With Balancer Gear – 78 Teeth
555E, 5610S, 5640, 575E, 655E, 6610S, 6640, 675E, 6810S, 7010, 7610S, 7740, 8030, TS100, TS110, TS80, TS90, TS90E	87800523	Stroke: 127mm (5'') Main Journal Diameter: 85.648mm Conrod Jornal Diameter: 69.862mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	8186022, FONN6300HB	With Balancer Gear – 76 Teeth
555E, 5610S, 5640, 575E, 655E, 6610S, 6640, 6810S, 7610S, 7740, NH75TLB, NH85TLB, NH95TLB, TS100, TS110, TS80, TS90, TS90E	81869023	Stroke: 127mm (5'') Main Journal Diameter: 85.648mm Conrod Jornal Diameter: 69.862mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	83998223, FONN6300JA, FONN6300JB	With Balancer Gear – 76 Teeth
6410, 6600, 6610, 6700, 6710, 6810, 7100, 7200, 7410, 7610, 7700, 7710	D9NN6303AA	Stroke: 111.76mm (4.4") Main Journal Diameter: 85.648mm Conrod Jornal Diameter: 69.862mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel		With Balancer Gear – 78 Teeth



for FORD NEW HOLLAND®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
DEXTA, SUPER DEXTA	957E6303	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Jornal Diameter: 57.1292mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	81815395, 957E6303B, E2006T9	Supplied as Kit with Bearings
TG210, TG230, TG255, TG285, TJ275, TJ325, TJ450	J918986	Stroke: 135mm (5.31'') Main Journal Diameter: 98mm Conrod Jornal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Pin Holes		With Crankshaft Gear – 42 Teeth

for IVECO®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
8035.05, 8045.05, 8045.06	504281916	Stroke: 115mm (4.52'') Main Journal Diameter: 79.81mm Conrod Jornal Diameter: 63.744mm Front Nose: Threaded Rear Flange/Flywheel: 7 Holes		Forged Tapered Nose Rope Seal With Crankshaft Gear – 27 Teeth
F4AE0481, F4AE3481	504203967	Stroke: 120mm (4.72'') Main Journal Diameter: 83mm Conrod Jornal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel	504347346	With Crankshaft Gear
F4AE0481, F4AE3481	504350836	Stroke: 120mm (4.72") Main Journal Diameter: 82.987mm Conrod Jornal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes		With Crankshaft Gears



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
	02/130200	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Jornal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 holes, 1 Dowel	02/130012	Lip Seal
	02/634729	Stroke: 100mm (3.93'') Main Journal Diameter: 68mm Conrod Jornal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose
	02/634803	Stroke: 90mm (3.54") Main Journal Diameter: 67.965mm Conrod Jornal Diameter: 51.97mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		With Crankshaft Gear – 33 Teeth
	02/101825	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Jornal Diameter: 63.487mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose
	02/101927	Stroke: 127mm (5") Main Journal Diameter: 76.2mm Conrod Jornal Diameter: 63.5mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose Balance Weights in Webs
	02/201287	Stroke: 127mm (5") Main Journal Diameter: 76.2mm Conrod Jornal Diameter: 63.5mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose Balance Weights in Webs
	02/202910	Stroke: 127mm (5") Main Journal Diameter: 76.17mm Conrod Jornal Diameter: 63.48mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose 67mm Snout
	332/H0256	Stroke: 127mm (5") Main Journal Diameter: 76.17mm Conrod Jornal Diameter: 63.48mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose 67mm Snout
	333/D9976	Stroke: 127mm (5") Main Journal Diameter: 76.175mm Conrod Jornal Diameter: 67.992mm Front Nose: 3 Holes , 1 Keyway Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings



for JCB®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
520-2 (LD), 520-2 (LJ), 520-2HL (LD), 520-2HL (LJ), 520-4 (LD), 520-4 (LJ), 520-4HL (LD), 520-4 HL (LJ), 520M-2 (LD), 520M-2 (LJ), 520M-4 (LD), 520M-4 (LJ), 520S (LD), 525-2 (LD), 525-2 (LJ), 525-4 (LD), 525-4 (LJ), 525B-2HL (LD), 525B-2HL (LJ), 525B-2 (LD), 525B-2HL (LJ), 530-2 (LD), 530-2 (LJ), 530-2HL (LD), 530-4 (LJ), 530-4 (LD), 530-4 (LJ), 530B-4 (LD), 530B-4 (LJ), 530BHL-2 (LD), 530BHL-2 (LJ), 530BHL-2 (LJ), 530BHL-4 (LJ), 540BA2 (LD), 540BA4 (LD), 540BA4 (LJ), 540BM2 (LD), 540BM4 (LD), 540BM4 (LJ)	02/101835	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Jornal Diameter: 63.487mm Front Nose: 6 Holes, 3 Pulley Holes Rear Flange/Flywheel: 6 holes, 1 Dowel	02/100125, 02/101372, 02/101412, 02/101830	Splined Nose Supplied With Spacer & Bolt Kit



02/101835 | Suitable for JCB®



for JCB®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
520 (AA), 520-2 (LD), 520-2HL (LD), 520-4 (LD), 520-4HL (LD), 520-50 (AA), 520-55 (AA), 520-55FS (AA), 520-55FS (AA), 520-55FS (AA), 520S (LD), 525-2 (LD), 525-4 (LD), 525-50 (AA), 525-58FS (AA), 525-67FS (AA), 525-67FS (AA), 525-67FS (AA), 525-67FS (AA), 525-67FS (AA), 526-55 (AA), 526-55 (AA), 526-55 (AA), 527-58FS (AA), 527-58FS (AA), 527-58FS (AA), 527-58FS (AA), 527-67FS (AA), 530-110 (AA), 530-120 (AA), 530-120 (AA), 530-2 (LD), 530-2HL (LD), 530-4 (LD), 530-4 (LD), 530-70 (AA), 530-70 (AA), 530-70 (AA), 530-70 (AA), 530-95 (AA), 530-84 (LD), 530BHL-2 (LD), 530BHL-2 (LD), 530BHL-4 (LD), 530SHL-4 (LD), 530SHL-4 (LD), 530SHL-4 (LD), 530SHL-5 (AA), 537 (AA), 537 (AA), 537 (AA), 537 (AA), 537 (AA), 537-120 (AA), 537-120 (AA), 537-130 (AA), 540-70 (AA), 540-70F/S (AA), 540BA (LD), 540BMA (LD), 540S (AA)	02/100012	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Jornal Diameter: 63.47mm Front Nose: 3 Holes Rear Flange/Flywheel: 7 holes		Supplied as Kit with Bearings Splined Nose Forged



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
3029D, 3029D PowerTech, 3029T, 3029T PowerTech, 3179D, 3179T	RE521348	Stroke: 110mm (4.33'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 69.824mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE31527, RE46897, RE47638, RE502385, RE50979	
3164D, 3179D	AT 18031	Stroke: 110mm (4.33'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 69.824mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE521349	
4039D, 4039T	RE20585	Stroke: 110mm (4.33") Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 69.824mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE36605, RE65224	Long Nose
4039D, 4239D	AT 18030	Stroke: 110mm (4.33") Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 69.824mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE33197, RE48748	
4045D PowerTech, 4045T PowerTech	RE504638	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 4 Holes Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE50618	Straight Nose
4045D PowerTech, 4045T PowerTech, 4045T/H PowerTech	RE506195	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel		Tapered Nose With Crankshaft Gear – 30 Teeth
4045D, 4045T	RE54883	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE55452, RE57661	
4045D, 4045T	RE54883-KIT(A)	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel		Supplied as Kit with Bearings With Thrust Flange
4045D, 4045T	RE54883-KIT(B)	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel		Supplied as Kit with Bearings Less Thrust Flange
6.414T, 6068D, 6068T	RE45517	Stroke: 127mm (5'') Main Journal Diameter: 79mm Conrod Jornal Diameter: 77.826mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE502191	



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
6076A, 6076H, 6076T, 6090H PowerTech Plus, 6359T, 6404A, 6404D, 6404T, 6466A, 6466D, 6466T	RE53422*		AR74624, AR96189, RE42671	
6068D PowerTech, 6068H PowerTech, 6068T PowerTech	RE515785	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 4 Holes Rear Flange/Flywheel: 6 Holes, 1 Dowel	RE500016, RE504639, RE52850	Straight Nose
6068D, 6068D Po- werTech, 6068HDW, 6068T PowerTech	RE505921	Stroke: 127mm (5'') Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 77.825mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose With Crankshaft Gear – 30 Teeth
6090 HF & HFG, 6090 HZ & HT, 6090HRW	DZ105801	Stroke: 136mm (5.35") Main Journal Diameter: 95.221mm Conrod Jornal Diameter: 83.512mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 2 Dowels	RE532615, RE540429	With Crankshaft Gears
6329D, 6359D, 6359T	AT22562	Stroke: 110mm (4.33") Main Journal Diameter: 79.349mm Conrod Jornal Diameter: 69.824mm Front Nose: 1 Hole Rear Flange/Flywheel: 4 Holes, 1 Dowel	RE45541, RE502190, RE54130	
9620RX	REC492576200	Stroke: 169mm (6.65") Main Journal Diameter: 127mm Conrod Jornal Diameter: 94mm Front Nose: 8 Holes, 1 Dowel Rear Flange/Flywheel: 12 Holes, 1 Dowel		With Crankshaft Gear – 38 Teeth & Speed Indicator Ring



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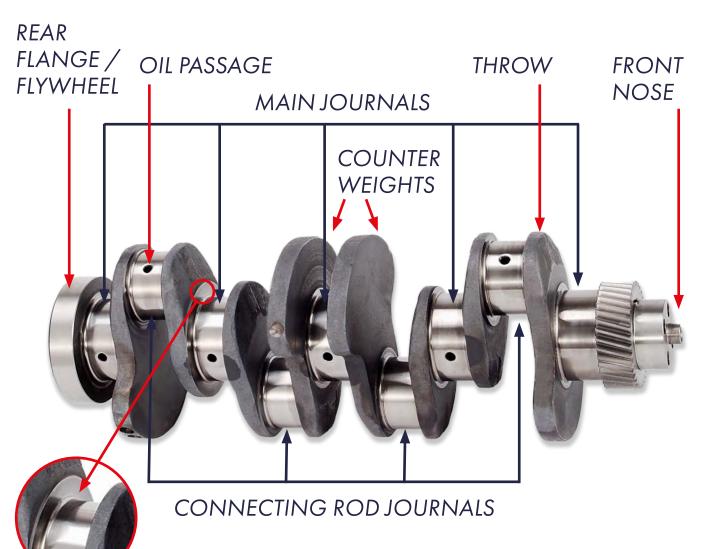


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The digital microscope can zoom up to 160x and is invaluable in the measurement of bearing material thickness, coating analysis (piston rings) and failure/crack analysis.

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KMP use a Granite Surface Plate which allows quick accurate readings when using the digital vernier height gauge.

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Determines the elemental composition of the material of a part through non-destructive spectroscopy.

SHADOWGRAPH

The shadowgraph is used to analyse part profiles and is beneficial in the measurement of valve angles and piston ring profiles.

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Ensuring the tension is correct when developing a piston ring is essential within the drawing approval procedure.

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All hardened components are tested using either a Leeb Hardness Tester or the Rockwell Hardness Tester.

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The CMM is used to measure the geometry of our parts using various probes. This machine can measure down to a resolution of 1 micron.

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PREMIUM PARTS ENGINEERED TO HIGH STANDARDS IN OUR INDUSTRY LEADING METROLOGY DEPARTMENT.



for KOMATSU®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
4D95L-1AA/1AA- 7/1BB/1CC (BUILD 1C), 4D95L-1FF/ GG/W/BW (BUILD 1D), 4D95L-1K/1L (BUILD 1B), 4D95L- E-2A (BUILD 1E), 4D95LE-3-65 (BUILD 1G-1), 4D95L-W-1 (BUILD 1A), \$4D95LE- 3A-2 (BUILD 1K)	6204-31-1201	Stroke: 115mm (4.52'') Main Journal Diameter: 70mm Conrod Journal Diameter: 57mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	6204-31-1111, 6204-31-1200	With Crankshaft Gear 18mm Flywheel Bolts
6D105-1 (BUILD 6A), 6D105-1 (BUILD 6B), 6D105-1 (BUILD 6C), 6D105-1 (BUILD 6D), 6D105-1 (BUILD 6E), 6D105-1 (BUILD 6F)	6136-31-1110	Stroke: 125mm (4.92'') Main Journal Diameter: 85mm Conrod Journal Diameter: 66mm Front Nose: 1 Hole, 1 Key Rear Flange/Flywheel: 6 Holes	6136-31-1010	
6D125-1 (BUILD 10A), 6D125E-2 (BUILD 10B), S6D125-1 (BUILD 10C), S6D125-1 (BUILD 10C), S6D125-1 (BUILD 10D), S6D125E-2 & SA- 6D125E-2 (BUILD 10G), S6D125E-2 (BUILD 10G), S6D125E-2 (BUILD 10G), S6D125E-2 (BUILD 10G), S6D125E-2 (BUILD 10H), SA6D125E-1 (BUILD 10H), SA6D125E-3 (BUILD 10H), SA6D125E-3 (BUILD 10H), SAA6D125E-3 (BUILD 10H), SAA6D125E-3 (BUILD 10H), SAA6D125E-6 (BUILD 10H), SAA6D125E-6 (BUILD 10H), SAA6D125E-7 (BUILD 30), SAA6D125E-7 (BUILD 30), SAA6D125E-7 (BUILD 31), SAA6D125E-7 (BUILD 331), SAA6D125E-7 (BUILD 331)	6151-35-1010	Stroke: 150mm (5.9'') Main Journal Diameter: 110mm Conrod Journal Diameter: 80mm Front Nose: 5 Holes, 1 Dowel Rear Flange/Flywheel: 6 holes, 2 Pin Holes	6150-31-1010, 6150-3-1110, 6151-31-1010, 6151-31-1110	With Crankshaft Gear – 33 Teeth
6D95L-1 (BUILD 2A), 6D95L-1 (BUILD 2B), 6D95L-1AF-1 (BUILD 2C), S6D95L (BUILD 2E), S6D95L-1 (BUILD 2F), S6D95L-1MM (BUILD 2G), S6D95L- 1NN/1PP (BUILD 2H), SA6D95L-1 (BUILD 2D), SA6D95L-1 (BUILD 2J)	6207-31-1100	Stroke: 115mm (4.52'') Main Journal Diameter: 70mm Conrod Journal Diameter: 57mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 holes, 1 Dowel	6206-31-1100, 6206-31-1110, 6206-31-1200, 6206-31-1400, 6207-31-1110	With Crankshaft Gear – 24 Teeth



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
K19 (BUILD 23A)	1239102H91	Stroke: 158.8mm (6.25'') Main Journal Diameter: 139.69mm Conrod Journal Diameter: 101.59mm Front Nose: 6 Holes Rear Flange/Flywheel: 9 Holes		With Crankshaft Gear
N855-1 (BUILD 19A), NT855-1 (BUILD 19C), NTA855-1 (BUILD 19B)	6710-31-1112	Stroke: 152.4mm (6") Main Journal Diameter: 114.3mm Conrod Journal Diameter: 79.37mm Front Nose: 6 Holes Rear Flange/Flywheel: 6 Holes, 2 Pin Holes	6710-31-1111	Forged Snubbed Nose
S4D102E-1	6732-31-1111	Stroke: 120mm (4.72") Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 4 Holes, 1 Key Rear Flange/Flywheel: 8 Holes, 2 Pin Holes		With Crankshaft Gear – 36 Teeth
S4D102E-1 (BUILD 3A), S4D102E-1 (BUILD 3B), S4D102E-1 (BUILD 3C), S4D102E-1 (BUILD 3D), SA4D102E-1AB (BUILD 3E), SAA4D102E-2B (BUILD 3F)	6732-31-1100	Stroke: 120mm (4.72'') Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 4 Holes, 1 Key Rear Flange/Flywheel: 8 Holes, 2 Pin Holes	6732-01-1320	With Crankshaft Gear – 36 Teeth
S4D95L-1A/1B/1G (BUILD 1H), S4D95L-1K (BUILD 1J), SAA4D95LE- 3A-4A/W (BUILD 1L)	6205-31-1202	Stroke: 115mm (4.52") Main Journal Diameter: 70mm Conrod Journal Diameter: 57mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	6205-31-1200, 6205-31-1201	With Crankshaft Gear 14mm Flywheel Bolts
\$6D102E-1AA (BUILD 4A), \$6D102E-1AB & \$A6D102E-1AB (BUILD 4B), \$A6D102E-1AA (BUILD 4C), \$A6D102E-1AC (BUILD 4D), \$AA-6D102E-2 (BUILD 4E)	6735-01-1310	Stroke: 120mm (4.72'') Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Dowels	6736-31-1100	With Crankshaft Gear – 36 Teeth
S6D108-1 (BUILD 7A), SA6D108-1 (BUILD 7B), SAA6D108E-2A (BUILD 7C)	6222-31-1110	Stroke: 130mm (5.11") Main Journal Diameter: 95mm Conrod Journal Diameter: 70mm Front Nose: 1 Hole Rear Flange/Flywheel: 8 Holes, 1 Dowel	6222-31-1100, 6222-31-1102	
S6D114-1 (BUILD 9A)	1240968H93	Stroke: 135mm (5.31") Main Journal Diameter: 98mm Conrod Journal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Pin Holes		With Crankshaft Gear – 42 Teeth
S6D114-1 (BUILD 9A), S6D114-1 (BUILD 9B), SA6D114-1 (BUILD 9C), SA6D114-1AA (BUILD 9F), SA6D114E- 1-GD (BUILD 9E), SAA6D114E-2 (BUILD 9G), SAA6D114E-2A-A (BUILD 9D)	6742-01-1570	Stroke: 135mm (5.31'') Main Journal Diameter: 98mm Conrod Journal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 2 Pin Holes		With Crankshaft Gear – 42 Teeth



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
SA6D125E-2 (BUILD 10J)	6252-31-1010	Stroke: 150mm (5.9") Main Journal Diameter: 110mm Conrod Journal Diameter: 80mm Front Nose: 5 Holes, 1 Dowel Rear Flange/Flywheel: 6 Holes, 2 Pin Holes		With Crankshaft Gear – 33 Teeth
SA6D140E-3 & SDA- 6D140E-3 (BUILD 12D)	6217-31-1010	Stroke: 149.987mm (5.9") Main Journal Diameter: 119.949mm Conrod Journal Diameter: 89.949mm		With Crankshaft Gear – 36 Teeth
SA6D170E-3A-7 & SAA6D170E-3F-8	6754-32-1310	Stroke: 124mm (4.88") Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 2 Dowels		With Crankshaft Gears
SA6D170E-3A-7 & SAA6D170E-3F-8 (BU- ILD 15G)	6240-31-1101	Stroke: 170mm (6.69'') Main Journal Diameter: 140mm Conrod Journal Diameter: 108mm	6240-31-1300, 6240-31-1301	With Crankshaft Gears
SAA6D107E-1 (BUILD 26A)	6754-01-1310	Stroke: 124mm (4.88") Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 6 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 2 Dowels	6754-32-1330	With Crankshaft Gears
SAA6D 114E-3 (BUILD 9H), SAA6D 114E-3B- WT (BUILD 9K), SAA6D 114E-3E (BUILD 9L)	6745-31-1120	Stroke: 135mm (5.31") Main Journal Diameter: 98mm Conrod Journal Diameter: 76mm Front Nose: 4 Holes Rear Flange/Flywheel: 8 Holes, 1 Dowel		With Crankshaft Gear & Speed Indicator Ring
SAA6D114E-5A/B/C (BUILD 9I), SAA6D114E- 6A/B/C (BUILD 9J)	6746-31-1120	Stroke: 144.5mm (5.68'') Main Journal Diameter: 98mm Conrod Journal Diameter: 76mm Front Nose: 5 Holes, 1 Keyway Rear Flange/Flywheel: 8 Holes, 1 Dowel		With Crankshaft Gear & Speed Indicator Ring
SAA6D140E-5A/B/C (BUILD 12E), SAA- 6D140E-6A/B/C, SAA- 6D140E-7A/B/C/D	6261-31-1200	Stroke: 165mm (6.49'') Main Journal Diameter: 120mm Conrod Journal Diameter: 90mm Front Nose: 6 Holes, 1 Key Rear Flange/Flywheel: 6 Holes, 1 Dowel		With Crankshaft Gear – 36 Teeth
SAA6D 170E-5 (BUILD 15H), SAA6D 170E-7 (BUILD 38), SAA- 6D 170E-7A (BUILD 39), SAA6D 170E-7B (BUILD 40), SAA6D 170E-7C (BUILD 41), SAA- 6D 170E-7D (BUILD 42)	6245-31-1100	Stroke: 170mm (6.69'') Main Journal Diameter: 140mm Conrod Journal Diameter: 108mm		With 2 Helical Gears



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			ALTERNATIVE	
ENGINE MODELS	PART NUMBER	SPECIFICATIONS	PART NUMBERS	COMMENTS
10 PLOT, 16, 16 PLOT, 168, 168F, 168S, 174, 174C, 174F, 174S, 174V, 175, 178, 184, 184F, 185, 188, 194, 194C, 194F, 194S, 20, 24, 255, 273, 274, 274CF, 274CF, 274S, 274SK, 275E, 283, 284, 284S, 293, 294, 294C, 294S, 3050, 3220AP(X), 3220GE(X), 3220SP(X), 3225AP(X), 3225FP(X), 3235AP(X), 3235FP(X), 3235GE(X), 3235SP(X), 330, 362, 362, 365, 367CF, 372N, 373, 373LX, 373S, 374AP, 374AP(X), 374AQ, 374F, 374FP, 374FP(X), 374SQ, 384AQ, 384F, 384FP, 384FP(X), 384AQ, 384F, 384FP, 384FP(X), 384SQ, 384SQ, 384V, 384VQ, 387, 393, 393LX, 393S, 394AP, 394AP(X), 394AQ, 394F, 394FP, 394FP(X), 394SQ, 394F, 394FP, 394FP(X), 394SQ, 394C, 394F, 394FQ, 394SQ, 396C, 396CF, 397, 4225, 4225HV, 4235, 4235HV, 4240, 430, 50, 50B, 50B, MK 11, 50C, 50EX, 50H, 50H-S, 50H-T, 50HX, 50HX-S, 50HX-T, 60H, 60H-S, 675, 750, 8 PLOT, 8925, 8926, 8939	3637401M91	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings
133, 134C, 134V, 135, 140, 145, 148, 154, 154C, 154F, 154S, 233, 253, 254, 35, 35X	736532M91	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	3637454M91	Rope Seal



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
133, 134C, 134V, 135, 135V, 140, 145, 145S, 145V, 140, 145, 145S, 145V, 152F, 152F, 152S, 152V, 154, 154C, 154F, 154S, 230, 233, 234C, 234CF, 234S, 235, 240, 240S, 244CF, 245, 250, 250X, 250X, 250X, 254CF, 254S, 255, 3210GE(X), 3210SP(X), 333, 334V, 340, 342, 350, 353, 353LX, 353S, 354AP, 354AQ, 354FQ, 354FQ, 354SP, 356CF, 415, 415, 550	3641858M91	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	3637399M91, 3637410M91, 3637499M91, 3641825M91, 742827M91	Supplied as Kit with Bearings Lip Seal
165, 165MK111, 174	3118169R91	Stroke: 114.3mm (4.5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	3637457M91	Supplied as Kit with Bearings Rope Seal Splined Nose
168, 168F, 168S, 174, 174C, 174F, 174S, 174V, 175, 175S, 178, 184, 184F, 185, 187, 188, 194, 1942, 194C, 194F, 194S, 206, 240, 255, 307, 440, 487, 506, 99	3639541M1	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	3637789M91, 736829M91	Supplied as Kit with Bearings Rope Seal Splined Nose
1004T, 1007, 168, 168F, 168S, 187, 206, 20XP, 240, 265, 265, 273, 274, 274C, 274CF, 274S, 274SK, 275, 283, 284, 284S, 285, 290, 290E, 293, 294, 294C, 294S, 3050, 3055, 3065S, 3065S, 307, 3070, 30D, 382N, 390, 390E, 390T, 393TLX, 394TAQ, 396CT, 397T, 398, 440, 440, 487, 506, 50D, 50E, 50H, 565, 575, 590, 60, 60HX, 60HX-T, 675, 690, 750B, 760, 760B, 860, 860B, 860S, 860SE, 865, 960, 960B, 965, 99	<i>7</i> 46382M91	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 3 Holes Rear Flange/Flywheel: 7 Holes	3637402M91, 4222233M91, 742681M91	Supplied as Kit with Bearings With Balance Weights Incor- porated In The Web Splined Nose



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ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
1014, 1024, 1114, 1250, 24, 2620, 2625, 2640, 2645, 2675, 3080, 3090, 3610, 399, 530, 5308, 535, 699, 750, 800, 805, 810, 815	4224303M91	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 12 Holes	3637408M91	Supplied as Kit with Bearings Lip Seal
1100, 1105, 1200, 500, 510, 520, 525, 620, 625	742150M1	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 1 Hole Rear Flange/Flywheel: 12 Holes	736902M1	Splined Nose Rope Seal
1104, 507, 520, 525, 620, 625	3637424M91	Stroke: 127mm (5") Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 1 Hole Rear Flange/Flywheel: 12 Holes		Supplied as Kit with Bearings Splined Nose
1134, 2680, 2685, 2705, 2720, 2725, 29, 29XP, 31, 31XP, 3630, 3650, 3655, 3660, 560, 565, 6260, 660, 665, 750, 760, 8130, 820, 8210, 825, 830, 835, 840, 845, 850, 855, 860	4224054M91	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 12 Holes	3637404M91, 3637406M91, 3640874M91, 4222279M91	Supplied as Kit with Bearings
2230, 24T, 3075, 3220AP(X), 3220GP(X), 3220GP(X), 3220SP(X), 3235AP(X), 3235SP(X), 3235GE(X), 3235SP(X), 3350, 3350F, FE, 3350GE, 3355F, FE, 3355GE, 3355F, FE, 3355GE, 374AP(X), 374FP(X), 374GE(X), 394SP(X), 394AP(X), 394SP(X), 4235, 4235HV, 4245, 4245HV, 4255, 4255HV, 4265, 4335, 4335HV, 4345, 4345HV, 4355, 4355HV, 4365, 5275, 5285, 5290, 5300, 5310, 6130, 6140, 6150, 6235, 6235HV, 6245, 6245HV, 6255, 6255HV, 6265, 8925, 8925T, 8926, 8926T, 8937, 8939T	4223939M91	Stroke: 127mm (5'') Main Journal Diameter: 76.2mm Conrod Journal Diameter: 63.5mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel	3641031 M91	Supplied as Kit with Bearings Lip Seal Has Step For Position Indicator Splined Nose



for MASSEY FERGUSON®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
3085, 3095, 3115, 3120, 3120T, 3125, 3140, 3635, 3645, 3655, 3660, 396, 399, 4260, 4270, 4360, 4370, 6160, 6170, 6180, 6190, 6270, 6280, 6290, 8110, 8120, 8220	3638402M91	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 11 Holes, 1 Dowel	3637019M91	Supplied as Kit with Bearings
3425 V/S/F, 410, 420, 430	4225301 M91	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes, 1 Dowel Rear Flange/Flywheel: 6 Holes, 1 Dowel	4227389M91	Supplied as Kit with Bearings Splined Nose
3435 GE, 3435 V/S/F, 3445 C, 3445 CF, 3445 GE, 3445 V/S/F, 3455 C, 3455 CF, 3455 GE, 3455 V/S/F, 5425, 5435, 5445, 5455, 5460, 6445, 6455, 6460, 6470	4227020M91	Stroke: 127mm (5'') Main Journal Diameter: 76.17mm Conrod Journal Diameter: 63.48mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose 67mm Snout
3435 V/S/F, 3445 V/S/F, 3455 V/S/F, 5425, 5435, 5445, 5455, 5460, 6445, 6455	4225086M91	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel	4225085M91	Supplied as Kit with Bearings Splined Nose 60mm Snout
3445 C, 3445 CM, 5410, 5420, 5425, 5430, 5435, 5440, 5450	4226955M91	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 67.992mm Front Nose: 3 Holes, 1 Keyway Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings
5445, 5455, 5460, 6445, 6455	4226956M91	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 68mm Front Nose: 3 Holes Rear Flange/Flywheel: 11 Holes		Supplied as Kit with Bearings
5465, 5470, 6465, 6475, 6480, 7465, 7475, 7480	4227363M91	Stroke: 127mm (5'') Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel	4226631 M91	Supplied as Kit with Bearings



for NEF®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
NEF 45 TIER 2, NEF 45 TIER 3	504345406	Stroke: 132mm (5.19'') Main Journal Diameter: 83mm Conrod Journal Diameter: 69mm Front Nose: 6 Holes Rear Flange/Flywheel: 8 Holes, 1 Dowel	2852009, 2853822, 504095659	With Gears

for PERKINS®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
1004.4(AA), 1004.4(AG), 1004.40(AJ), 1004.40(AP), 1004.40T(AK), 1004.40T(AQ), 1004.40TA(AL), 1004.40TA(AT), 1004.40TA(AT), 1004.42(AS), 1004.42(AS), 1004.4T(AB), 1004.4T(AC), 1004.4T(AH), 4.236(LD), 4.248(LF), A4.236(LD), A4.248(LF),	ZZ90238	Stroke: 127mm (5'') Main Journal Diameter: 76.2mm Conrod Journal Diameter: 63.5mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel	11010761, ZZ90227	Supplied as Kit with Bearings Web Profile & Bolt Holes Dif- fer To Earlier ZZ90202 Has Step For Position Indicator Splined Nose
1004.4(AA), 1004.4(AG), 1004.40(AJ), 1004.40(AP), 1004.40T(AK), 1004.40T(AQ), 1004.40TA(AL), 1004.40TA(AT), 1004.40TA(AT), 1004.42(AR), 1004.42(AS), 1004.4T(AB), 1004.4T(AC), 1004.4T(AH), A4.236(LD), A4.248(LF), A4.41(LM), AT4.236(LJ), T4.236(LJ)	ZZ90202	Stroke: 127mm (5") Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 3 Holes Rear Flange/Flywheel: 7 Holes	11010366, 31315681, 31315996, ZZ90083, ZZ90145, ZZ90145, ZZ90225	Supplied as Kit with Bearings Forged Splined Nose



for PERKINS®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
1004.4(AA), 1004.4(AG), 1004.40T(AK), 1004.42(AR), 1004.42(AS), 1004.4T(AB), 1004.4T(AH), 4.236(LD), 4.248(LF), A4.236(LD), A4.248(LF), AT4.236(LI), T4.236(LI)	31315661	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 3 Holes Rear Flange/Flywheel: 7 Holes		With Balance Weights Incorporated In The Web Splined Nose
1004.4(AA), 1004.4(AG), 1004.40T(AK), 1004.42(AR), 1004.42(AS), 1004.4T(AB), 1004.4T(AH), 4.236(LD), 4.248(LF), A4.236(LD), A4.248(LF), AT4.236(U), T4.236(U)	ZZ90082	Stroke: 127mm (5") Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 3 Holes Rear Flange/Flywheel: 7 Holes	31315871, 31315872, 31315873, U5BG0005, U5BG0008, U5BG0023	Supplied as Kit with Bearings With Balance Weights Incor- porated In The Web Splined Nose
1004.4(AA), 1004.4T(AB), 1004e- 4TW(AD), A4.236(LD), A4.248(LF)	ZZ90093	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Rope Seal Splined Nose
1004.4T	A63207	Stroke: 127mm (5") Main Journal Diameter: 76.2mm Conrod Journal Diameter: 63.5mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Has Step For Position Indicator Splined Nose Lip Seal
1004.4(AA), 1004.4T(AB), A4.236(LD), A4.248(LF)	31315993	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel		Rope Seal Splined Nose
1006.6(YA), 1006.60(YG), 1006.60T(YH), 1006.60TA(YJ), 1006.60TW(YK), 1006.6T(YB), 1006.6T(YC),	3131 H051 *			Supplied as Kit with Bearings
1006.6(YA), 1006.60(YG), 1006.60T(YH), 1006.60TA(YJ), 1006.60TW(YK), 1006.6T(YB), 1006.6T(YC), 1006e.6T(YD)	ZZ90229*		ZZ90218, ZZ90230	Supplied as Kit with Bearings



for PERKINS®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
1006.6(YA), 1006.60(YG), 1006.60T(YH), 1006.60TW(YK), 1006.6T(YB), 1006.6T(YC), 1006e.6T(YD), 6.354.4(TW)	ZZ90085	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 11 Holes, 1 Dowel	3131H022	
1006.6(YA), 1006.60(YG), 1006.60T(YH), 1006.60TW(YK), 1006.6T(YB), 1006e.6T(YD)	ZZ90165	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 12 Holes	11010262, 68055, 68077, U5BG0034, U5BG0035, U5BG0038, ZZ90086, ZZ90105, ZZ90141, ZZ90175	Supplied as Kit with Bearings
1006.6(YA), 1006.60(YG), 1006.60T(YH), 1006.60TW(YK), 1006.6T(YB), 1006e.6T(YD), T6.354.4(TU)	ZZ90219	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 11 Holes, 1 Dowel	U5BG0042, ZZ90087	Supplied as Kit with Bearings
1006.6(YA), 6.354.4(TW), A6.354.4	ZZ90113	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 12 Holes	ZZ90196, ZZ90217	Supplied as Kit with Bearings Lip Seal
104.22(KR)	11010488	Stroke: 100mm (3.93'') Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Tapered Nose
104.22(KR), 404C- 22(HP), 404C-22T(HR), 404D-22(GN), 404D-22T(GP), 404D- 22TA(GR), 404F- 22(EN), 404F-22T(EP)	115256990	Stroke: 100mm (3.93'') Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel	T430998	Tapered Nose
1103A-33(DJ), 1103A- 33T(DK), 1103B-33(DF), 1103B-33T(DG), 1103C-33(DC), 1103C- 33T(DD), 1103C- 33TA(DE), 1103D- 33(XK), 1103D-33T(XL), 1103D-33TA(XM)	11010758	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes, 1 Dowel Rear Flange/Flywheel: 6 Holes, 1 Dowel		Splined Nose



for PERKINS®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
1103A-33(DJ), 1103A- 33T(DK), 1103B-33(DF), 1103B-33T(DG), 1103C-33(DC), 1103C- 33T(DD), 1103C- 33TA(DE), 1103D- 33(XK), 1103D-33T(XL), 1103D-33TA(XM)	4181V017	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes, 1 Dowel Rear Flange/Flywheel: 6 Holes, 1 Dowel	ZZ90232	Supplied as Kit with Bearings Splined Nose
1103A-33(DJ), 1103A- 33T(DK), 1103B-33(DF), 1103B-33T(DG), 1103C-33(DC), 1103C- 33T(DD), 1103C- 33TA(DE), 1103D- 33(XK), 1103D-33T(XL), 1103D-33TA(XM)	ZZ90236	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Holes, 1 Dowel Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose
1104A-44(RR), 1104A- 44T(RS), 1104A- 44TA(RT), 1104C- 44(RE), 1104C-44T(RG), 1104C-44TA(RJ), 1104C-E44T(RH), 1104C-E44TA(RK), 1104D-44T(NL), 1104D-44TA(NM), 1104D-E44T(NH), 1104D-E44TA(NM), 1104D-E44TA(NJ)	ZZ90239	Stroke: 127mm (5'') Main Journal Diameter: 76.17mm Conrod Journal Diameter: 63.48mm Front Nose: 3 Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel	ZZ90214, ZZ90224, ZZ90233	Supplied as Kit with Bearings Splined Nose 67mm Snout
1104A-44(RR), 1104A- 44T(RS), 1104A- 44TA(RT), 1104C- 44(RE), 1104C-44T(RG), 1104C-44TA(RJ), 1104D-44(NK), 1104D- 44T(NL), 1104D- 44TA(NM)	ZZ90237	Stroke: 127mm (5'') Main Journal Diameter: 76.175mm Conrod Journal Diameter: 67.992mm Front Nose: 3 Holes, 1 Keyway Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings
1104A-44(RR), 1104C- 44(RE), 1104C-44T(RG), 1104C-44TA(RJ), 1104D-44(NK), 1104D- 44T(NL), 1104D- 44TA(NM)	ZZ90222	Stroke: 127mm (5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 10 Holes, 1 Dowel		Supplied as Kit with Bearings Splined Nose 60mm Snout
1104C-E44(RF), 1104C-E44T(RH), 1104C-E44TA(RK), 1104D-E44T(NH), 1104D-E44TA(NJ)	ZZ90241	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 68mm Front Nose: 3 Holes Rear Flange/Flywheel: 11 Holes		Supplied as Kit with Bearings



for PERKINS®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
1106A-70T(PP), 1106A-70TA(PR), 1106C-70TA(PT), 1106D-70TA(PU), 1106D-E70TA(PW), 1206E-E70TTA(BL), 1206F-E70TA(BM)	T407271	Stroke: 127mm (5'') Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 3 Holes Rear Flange/Flywheel: 12 Holes	T411539	
1106C-E66TA(PK), 1106D-E66TA(PJ)	4181 V019	Stroke: 127mm (5'') Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel	3131H071, ZZ90234	Supplied as Kit with Bearings
1106C-E66TA(PK), 1106D-E66TA(PJ), 1206E-E66TA(BK)	ZZ90242	Stroke: 135mm (5.31") Main Journal Diameter: 84mm Conrod Journal Diameter: 72mm Front Nose: 3 Holes Rear Flange/Flywheel: 12 Holes	T406894	Supplied as Kit with Bearings
1506A/C- E88TAG1(LGAF), 1506A/C- E88TAG2(LGBF), 1506A- E88TAG3(LGDF), 1506A-E88TAG4(LGEF), 1506A-E88TAG5(LGFF), 1506D-E88TAG(PK9S)	T400517	Stroke: 149mm (5.86'') Main Journal Diameter: 104mm Conrod Journal Diameter: 80mm Front Nose: 4 Holes, 1 Dowel Rear Flange/Flywheel: 8 Holes, 1 Dowel		With Crankshaft Gear
4.108(ED)	ZZ90124	Stroke: 88.9mm (3.50") Main Journal Diameter: 57.111mm Conrod Journal Diameter: 50.802mm Front Nose: 1 Hole Rear Flange/Flywheel: 5 Holes, 1 Dowel	ZZ90160	Rope Seal
403A-15(GU), 403C- 15(HL), 403D-15(GK), 403D-15T(GL), 403F- 15(EK), 403F-15T(EL)	115256950	Stroke: 90mm (3.54") Main Journal Diameter: 67.965mm Conrod Journal Diameter: 51.97mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel	T431000, U15256950	With Crankshaft Gear – 33 Teeth
404C-22(HP), 404C- 22T(HR)	115256750	Stroke: 90mm (3.54") Main Journal Diameter: 67.97mm Conrod Journal Diameter: 51.973mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes		
404C-22(HP), 404C- 22T(HR)	11010601	Stroke: 90mm (3.54'') Main Journal Diameter: 67.97mm Conrod Journal Diameter: 51.973mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes		Supplied as Kit with Bearings
404D-22(GN), 404D- 22T(GP)	115256841	Stroke: 100mm (3.93") Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose With Balancer Gear



for PERKINS®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
404D-22(GN), 404D-22T(GP), 404D- 22TA(GR)	11010597	Stroke: 100mm (3.93'') Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Tapered Nose
6.354(TC), 6.354.1(TG)	ZZ90090	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 1 Hole Rear Flange/Flywheel: 12 Holes		Supplied as Kit with Bearings Splined Nose
6.354(TC), 6.354.1(TG), A6.354, A6.354.1, A6.372, AT6.354.1	ZZ90089	Stroke: 127mm (5'') Main Journal Diameter: 76.16mm Conrod Journal Diameter: 63.47mm Front Nose: 1 Hole Rear Flange/Flywheel: 12 Holes		Splined Nose Rope Seal
903.27(CP), AT3.152.4, T3.1524(CN)	ZZ90179	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings
A3.144(CB), A3.152(CD), AD3.152(CE)	ZZ90023	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	84402, U5BG0031, ZZ90084, ZZ90116, ZZ90148	Supplied as Kit with Bearings Rope Seal
A3.144(CB), A3.152(CD), AD3.152(CE)	ZZ90078	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	31312701, ZZ90150	Supplied as Kit with Bearings Lip Seal
A4.192, A4.203(JD), AD4.203(JE)	31315174	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	31315168	Rope Seal
A4.192, A4.203(JD), AD4.203(JE)	ZZ90020	Stroke: 127mm (5'') Main Journal Diameter: 69.829mm Conrod Journal Diameter: 57.129mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	ZZ90121	Supplied as Kit with Bearings Rope Seal
A4.212(LA)	ZZ90100	Stroke: 114.3mm (4.5") Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 1 Hole Rear Flange/Flywheel: 6 Holes, 1 Dowel	85719	Supplied as Kit with Bearings Splined Nose Rope Seal
A4.236(LD), A4.248(LF), A4.41(LM)	ZZ90081	Stroke: 127mm (5'') Main Journal Diameter: 76.187mm Conrod Journal Diameter: 63.487mm Front Nose: 3 Pulley Holes Rear Flange/Flywheel: 6 Holes, 1 Dowel	31315981, 94436	Supplied as Kit with Bearings Splined Nose Lip Seal



for SHIBAURA®

ENGINE MODELS	PART NUMBER	SPECIFICATIONS	ALTERNATIVE PART NUMBERS	COMMENTS
N4LDI-T, N844L, N844L-D, N844L-F, N844LT, N844LTA-D, N844LT-D, N844LT-F	SBA 115256751	Stroke: 100mm (3.93'') Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose
N4LDI-T, N844L, N844L-D, N844LTA-D, N844LT-D, N844T	SBA 115256990	Stroke: 100mm (3.93") Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Tapered Nose
N4LDI-T, N844L-D, N844LTA-D, N844LT-D, N844LT-F, N844T	SBA 11010597	Stroke: 100mm (3.93") Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Tapered Nose
N843	SBA 115256950	Stroke: 90mm (3.54") Main Journal Diameter: 67.965mm Conrod Journal Diameter: 51.97mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		With Crankshaft Gear – 33 Teeth
N843	SBA 11010598	Stroke: 90mm (3.54") Main Journal Diameter: 67.965mm Conrod Journal Diameter: 51.97mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings With Crankshaft Gear – 33 Teeth
N844D, N844LT	SBA 115256841	Stroke: 100mm (3.93") Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel	SBA 115256740, SBA 115256840	Tapered Nose With Balancer Gear
N844L	SBA 115256750	Stroke: 90mm (3.54") Main Journal Diameter: 67.97mm Conrod Journal Diameter: 51.973mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes		
N844L	SBA 11010488	Stroke: 100mm (3.93") Main Journal Diameter: 68mm Conrod Journal Diameter: 52mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes, 1 Dowel		Supplied as Kit with Bearings Tapered Nose
N844L-F, N844LT	SBA 11010601	Stroke: 90mm (3.54") Main Journal Diameter: 67.97mm Conrod Journal Diameter: 51.973mm Front Nose: Threaded Rear Flange/Flywheel: 6 Holes		Supplied as Kit with Bearings



CRANKSHAFT INSTALLATION

1. INSPECT EVERYTHING BEFOREHAND

Check for damage: Inspect the crankshaft for cracks, scoring, or wear - especially at the journals and keyways.

Cleanliness matters: Make sure the crankshaft, block, and all mating surfaces are clear of metal particles, dirt, rust, and debris. Any debris can throw off tolerances or cause premature wear.

Verify dimensions: Compare with spec or with original crankshaft. Check forging numbers, stroke, nose, flange, pilot hole, bolt pattern, dowel holes, and keyways.

2. PREP THE BEARINGS AND JOURNALS

Remove Components: Remove dampers, pulleys, gears, counterweights, spacers, keys, dowell pins and other necessary components from your original crankshaft and attach to the replacement crankshaft.

Use proper lubricant: Apply assembly lube (not engine oil) to main and rod bearings during install.

Install dry for clearance checks: When checking clearances, install bearings and caps dry (no lube) with plastigage.

Install bearings: Before installing, check the markings on the back of each bearing to confirm the correct size (STD, .010, .020, etc.). Insert each bearing carefully, making sure the oil holes are properly aligned and the locking tab is in the correct position.



3. INSTALL CAREFULLY AND EVENLY

Lay the crank in gently: Never drop it into place - lower it smoothly to avoid damaging bearings.

Torque main caps in stages: Follow the correct sequence and torque specs from the service manual. Use a calibrated torque wrench.

Connecting Rod installation: Make sure the connecting rod bolts are protected to avoid contact with the crankshaft journals. Carefully guide the piston and connecting rod assembly down the bore until the rod seats properly on the crankshaft. Once in place, check the rod bearing oil clearances.

4. CHECK FOR BINDING

Spin by hand: After each cap is torqued, check that the crank spins freely. If it binds, stop and investigate.

Check end play: Use a dial indicator to confirm end play is within spec. Too tight can cause binding; too loose affects timing and thrust.

5. BALANCE MATTERS

Confirm balance: Use a balanced crank or have it balanced with the rotating assembly. This step is critical for high-performance builds or rebuilt engines.

6. MIND THE REAR MAIN SEAL

Proper orientation: If it's a rope or lip-type seal, make sure it's oriented and installed correctly to avoid leaks.

Lubricate the seal lip: Prevent dry start wear.

7. FINAL PRE-START CHECKS

Recheck torque settings: Especially after a break or distraction. A double-check avoids catastrophic failure.

Confirm alignment and timing components: Install timing gear/chain/sprockets with attention to alignment marks.

Pressure prime oiling system: Prime the oiling system with pressure before starting the engine. Always crank the engine to build oil pressure before the first start-up.

ABOUT KMP

KMP BRAND® supply premium diesel engine and component parts for heavy duty and agricultural machinery. We take pride in our position as a leading global supplier of heavy-duty engine components with over 20,000 parts in stock available from our distribution centres in the UK, USA and Singapore.



PREMIUM PARTS SUITABLE FOR:

CASE IH®

CATERPILLAR®

CUMMINS®

FIAT®

FORD NEW HOLLAND®

IVECO TECTOR®

 $\mathsf{JCB}^{\scriptscriptstyle{\circledR}}$

JOHN DEERE®

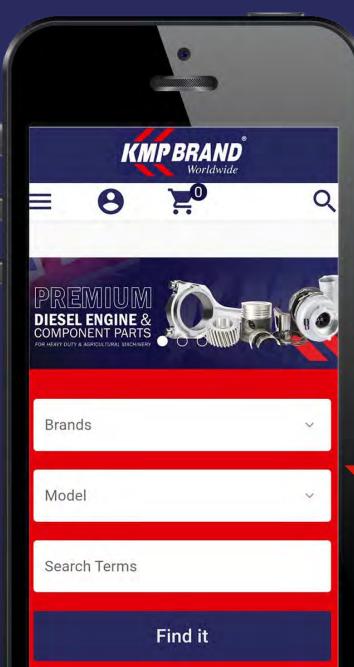
KOMATSU®

MASSEY FERGUSON®

NEF®

PERKINS®

SHIBAURA®



WHY CHOOSE KMP?

PREMIUM QUALITY

We are dedicated to the quality of all KMP Brand® parts. Since 2003, we have held ISO 9001 certification for the production & distribution of diesel engine components. We have invested in the following metrology techniques and equipment throughout the development and quality control process:

- Co-ordinate Measuring Machine
- Digital Microscope
- Shadowgraph
- Mechanical Piston Ring Tester

- Digital Vernier Height Gauge
- Rockwell Hardness Tester
- Durometer Shore A
- XRF Analyser

INVESTMENT IN R&D

At KMP Brand[®], our **Quality** Department boasts an extensive repository of meticulously developed and rigorously approved drawings and samples. The KMP Brand[®] library of approved designs and samples is in constant evolution, with over 400 parts in active development.

GLOBAL DISTRIBUTION NETWORK

With distribution centres strategically throughout the globe, KMP Brand® can offer the service levels to support your business needs. We have centres in:

- UK Singapore East & West Malaysia Texas USA Miami USA
- 20,000 + PARTS IN STOCK

Over 15 OEM's represented and 3000 applications within the range.

OVER 30 YEARS EXPERIENCE

We have grown to become a recognised global brand with thousands of dealers stocking KMP® parts in over 150 countries. Our multi-lingual sales team has the experience and ability to understand their customers' cultures and language.

18 MONTH WARRANTY

For our full engine range visit: www.kmpbrand.com

All original manufacturers' names, part numbers, symbols, drawings, colours and descriptions are for reference purposes only and it is not implied any part is that of these manufacturers.



KMP NETWORK OF GLOBAL DISTRIBUTION CENTRES



FOR FAST, EFFICIENT DELIVERY











For our full engine range visit:

www.kmpbrand.com



