

CATERPILLAR

ENGINE	Bore	REF. NO.	Surface	Characters	PIN OD	PIN L	KH	GL	MT	MΦ	Material	Thickness
3024C	84	115017581 2706968	Graphite	None	28	72	47.7	87.7	1.8		AL	2ET 1.5 3.0
3044C C3.4	94	2398506	Graphite	STEEL IN	30	76.8	55.05	90.1	4		AL	2.5ET 2 4
3044C	94	3149959 32A17-55500 32A1755500	Graphite	ALFIN, STEEL IN	30	76.8	55.3	90.4	17.9	60	AL	2.55ET 2 4
3044C	94	3154669 3154670(0.25) 3154671(0.5)	Graphite	ALFIN, STEEL IN	30	76.8	55.3	90.5	17.4	51.3	AL	ET2.5 2 4
3046	94	2254284	None	ALFIN, STEEL IN	30	76.8	55.3	90.4	14.4	53.1	AL	2.5ET 2 4
3034	97	1731263 3135J341	Phosphating, Graphite	ALFIN	30	75	53.45	89.75	19.9	46.9	AL	2.0R 2 4
3034	97	3135J295 2123677 2123678(0.5) 1908377 1376392	Phosphating, Graphite	None	30	75	53.45	89.75	19.9	46.9	AL	2 2 4
3054 3056	100	3135J241 1521390	Phosphating, Graphite	ALFIN	39.7	78.2	70.25	108.25	21.7	52.8	AL	3.5T 2.5 3.5
UNKNOWN	100	3135J142 U5LL0015 135- 0264	Tin	ALFIN, STEEL IN	34.925	84	70	108	20	55.4	AL	2.5 2.5 4
3034 3054	100	3774702 U5LL0047 3135J259 3087030 3886558 3886557	Phosphating, Oxidizing	ALFIN	38.1	82.5	70	108.2	19.5	55.8	AL	3.5T 2.5 4
320D C6.4	102	3244235 (3244236 +0.25, 3244237 +0.5)	Graphite	ALFIN, OIL GALLERY	34	84	57.8	98	13	77.5	AL	3.0ET 2.0ET 4
3064 3066	102	2977750 2977754(0.25) 2977755(0.5)	Graphite	ALFIN	34	84	57.75	97.8	20.1	57.5	AL	3.0ET 2.0ET 4
3066	102	2977751	Graphite	ALFIN	34	84	57.75	97.8	18.9	59.1	AL	3.0ET 2.0ET 4
3066	102	297-7752	Graphite	ALFIN	34	84	57.75	97.8	18.9	60.35	AL	3.0ET 2.0ET 4
3064 3066	102	297-7753 2977753	Graphite	ALFIN	34	84	57.75	97.8	18.9	60.35	AL	3.0ET 2.0ET 4
315D 312D	102	3244238 3244239(0.25) 3244240(0.5)	Graphite	ALFIN, OIL GALLERY	34	84	57.8	97.8	14	77.5	AL	3.0ET 2.0ET 4
S6KT	102	34317-01100 37317-10200	Shining	Alfin	34	84		97.9		60		3.0HK 2.0HK 4.0
S6KC	102	34317-01100 37317-10201	Mottle figure(花 斑)	Alfin	35	85		98.9		61		3.0HK 2.0 4.0
S6KC	102	37317-10200	Phospating	Alfin	34	84		97.9		57.4		3.0HK 2.0HK 4.0
S6K	102	37317-10200	环岸花斑	Alfin	34	84		97.9		60		3.0HK 2.0HK 4.0
S6KC	102		Shining	Alfin	34	84		97.8		60.4		3.0HK 2.0 4.0

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CT-4D32D	102				34	84		97.9	12.7	77.5		K1.79 2 4
3116	105	105-1710 1051710	None	2-ALFIN	40	85.2	59.1	93	18	61.5	AL	3T 3T 4
3114 3116	105	1077545(C) 107-7545(C) 4P1549(S)	None	Copper Bush	40	85	59.25	95.25	15.2	69.3	Steel	3T 3T 4
3114 3116	105	6I1210(C)	None	Copper Bush	40	85	59.1	94.1	15.6	69.2	Steel	3T 3T 4
3114 3116	105	6I4248(C) 238-2716(S)	None	Copper Bush	40	85	59.17	86.5	16.7	69.3	Steel	3T 3T 4
3116	105	1077563	None	2-ALFIN	40	85	59.1	93.4	14	70.5	AL	3T 3T 4
3116	105	6I1144	None	2-ALFIN	40	85	59	93	14.6	70.5	AL	3T 3T 4
450E C4.4 C6.6	105	3109905 3135M145 4115P111	Graphite	ALFIN、OIL GALLERY	39.7	86	70.3	108.2	15.6	76.5	AL	3T 2.5 3
C4.4	105	5081900 (5081896, 40529600, U5PR0062)	Graphite	ALFIN	39.7	78.2	70.1	108.1	22.9	50	AL	3T 2.5 3
C7.1 DI	105	CAT, PERKINS (3707998) CAT (4154315) PERKINS (3707997) PERKINS (T415098)	Graphite	ALFIN	39.7	78.2	66.3	104.3	22.7	56.3	AL	T3 M2.5 DSF3
105	105	5081898	Graphite	ALFIN	39.7	78.2	70.1	108.1	21.9	55.1	AL	3T 2.5 3
C6.6	105	2767475 3135M141	Graphite	ALFIN	39.7	86	70.1	108.1	15.6	76.5	AL	3T 2.5 3
C7.1 EI	105	4442190 (4505996 3747389)	Graphite	ALFIN	39.7	86	66.45	104.4	15.4	76.5	AL	3T 2.5 3
928F 918F / 320N 320-AN 320-A 320 L 320- AS 320-AL / IT28F IT18F /953B /RT80 RT100	105	7E3428		2-ALFIN	40	85	59.1	93.4	18.2	63	AL	T? T? 4
3116	105	7C-5668 7C5668	None	2-ALFIN	40	85	59.1	93.4	19	63.5	AL	T3 T3 4
3116 6.6L	105	1014495	None	2-ALFIN	40	85	59	93.3	18	61	AL	3T 3T 4
3114 3116	105	2382716(S) 1077545(C)	None	None	40	85					AL	
3100	105	7E1298	None	2-ALFIN	40	85	59.1	93.4	16.2	70.5	AL	3T 3T 4
3100	105	1014495 4P1550	None	2-ALFIN	40	85	59.1	93.4	18	61	AL	3T 3T 4
3100	105	CTP40067097	None	2-ALFIN	40		59.1	93.4	14.9	70.5	AL	3T 3T 4

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3100	105	CTP34306553	None	2-ALFIN	40		59.1	93.4	19	63.5	AL	3T 3T 4
C7.1 525D 545D	105	4367786 Kit (4452945 4452942 piston)	Graphite	ALFIN、OIL GALLERY	39.7	18.5	66.3	104.3	17.3	72.2	AL	3T 2.5 3
C7.1 324E	105	3612460 Kit (4188571, 4188570) 3615413(0.5) 3615414(1.0)	Graphite	ALFIN、OIL GALLERY	39.7	86	66.3	104.3	15.9	76.5	AL	3T 2.5 3
320D2 320D2L	105	3895891 kit (3660149, 3660108,) 3804849(0.5) 3805078(1.0)	Graphite	ALFIN、OIL GALLERY	39.7	78.2	66.3	104.3	23.7	57.3	AL	3T 2.5 3
CT58-3660149	105											
3216 3126B	110	1334983(C) 2382726(S)	None	Copper Bush	40	90	59.17	94	14	74.4	Steel	3.25T 3 4
3126	110	1504621(C) 3938988(C)	None	Copper Bush	40	90	59.18	94.08	15.6	78	Steel	3.27T 3 4
C7	110	2382720	Graphite	OIL GALLERY、 Copper Bush	40	74.5	59.2	87.2	14.6	79.9	Steel	3.15T 3 4
3126	110	2382729 177-7498	Phosphating、 Graphite	ALFIN	40	90.2	59.15	93.15	16.9	73.4	AL	3.5T 3 4
3126	110	164-6556(C) 1646556(C)	None	Copper Bush	40	90	58.87	86.7	16.7	74.2	Steel	3.27T 3 4
C7	110	238-2698 2382698	Phosphating、 Graphite	ALFIN	40	90.2	59.15	93.15	14.5	78.3	AL	3.5T 3 4
C7	110	2382720-1 238-2720-1	Graphite	OIL GALLERY、 Copper Bush							Steel	
3126 3126B	110	2382726(S)	None	None	40	90		64			AL	
3126	110	1753671(C) 187-1513(S)	None	Copper Bush	40	90	59.18	87	15.6	79.5	Steel	3.5T? 3 4
3126	110	1335044(C) 1871513(S)	None	Copper Bush	40		59.2	86.8	13.9	79	Steel	3.2T? 3 4
C9	112	1979297(C) 3247380(S)	None	Copper Bush	46	91.8	65	97.65	15.4	81.2	Steel	2.85T 3 4
C9	112	265-1401(C) 324-7380(S) 2651401(C) 3247380(S)	None	Copper Bush	46	91.8	65.5	98.15	17	81	Steel	3.27T 3 4
C9	112	3851657 (C) 3247380 (S)	None	Copper Bush	46	91.8	65.55	98	17	80.26	Steel	3.0T 3 4
C9	112	2382701(C) 3247380(S)	None	Copper Bush	46		65.5	98	15.9	81.5	Steel	T 3 4
C9	112	3247380(S)	None	None							AL	
6CT-7707	114				45	91		120	24.8	55.4		K 双梯 双梯 4
3204	114.3	2W4831 1W5796 9N5407 2W8411 2W8410	None	ALFIN	38.1	81.4	58.9	93.2	21.1	63.4	AL	R3.2 2.8

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9L7737	114.3	9L7737-2R 9L7737 9L9319 114015R11	None	ALFIN	38.1	81.4	58.9	93.2	20.8	63.5	AL	3.2R 2.78
3204 3208	114.3	1W5792 2W8410(0.5) 1W2072(1.0)			38.1	81.4						
3204 DI	114.3	2W8412 2W8414(0.5) 2W8415(1.0)									AL	
3204 DI	114.3	2W8414		ALFIN							AL	
3204 DI	114.3	7E4729 9Y6773	None	2-ALFIN	38.1	81.4	58.9	93.2	20.9	63.4	AL	T T 2.78
D330	114.3	2M5558	None	ALFIN	38.1	94.74	95.38	139.7	12.42	92.71	AL	
3204	114.3	9L7737 9L-7737 DE9L7737-3R	None	2-ALFIN	38.1	81.4	59	93.2	20.9	63.4	AL	R2.38 2.38 4.775
C9.3	115	3570447	Graphite	ALFIN、OIL GALLERY	50	91	70.5	105.5	15.3	84	AL	3.5T 3 4
9.3L	115	3197886									AL	
C9.3	115	3961539	Graphite	ALFIN、OIL GALLERY	50	91	70.5	105.5	17.2	82.4	AL	3.5T 3 4
3304 3306	120.65	1654262 1290338 8N3102	None	2-ALFIN	43.18	95	73.91	129.91	19.75	85.1	AL	3.16T 3.16T 4
3304 3306	120.65	8N3182 E11829		2-ALFIN	38.1	95	73.91	115	14.2	101.5	AL	3.16R 2.38R 5.5
3304 3306	120.65	1290358 1W6757	None	2-ALFIN	43.18	95	73.91	130	19.8	85	AL	3.16 2.38 3.16
3304 3306	120.65	1646560 1290359 4P8132 1646560B	None	2-ALFIN	43.18	95	73.91	129.91	17.9	85.09	AL	3.2R 2.4R 4
3304 3306	120.65	8N3102	None	2-ALFIN	43.18	95	73.91	129.91	19.7	85.09	AL	3.16T 3.16T 3.2
3304 3306	120.65	9N5250	None	2-ALFIN	43.18	95	73.9	115	14.2	101.6	AL	3.2 2.4 5.5
3304 3306	120.65	1290360	None	2-ALFIN	43.18	95	73.91	129.91	19.7	85.09	AL	2.97T 2.4 3.18
3304 3306	120.65	9N5249-5	None	2-ALFIN	43.18	95	73.9	115	14.2	101.6	AL	3.2 2.4 5.5
3304	120.65	4P2654	None	ALFIN	38.1	95	58.5	114.5			AL	3.16R 2.38R 4
3306	120.65	4P2655	None	ALFIN	38.1	95	57.4	113.5	9.5	86.1	AL	3.2 2.4 4.0
120.65	120.65	1290958	Tin	2-ALFIN	43.18	95	73.9	129.8	19.6	85.3	AL	3.2 2.4 3.2
C6121	120.65		None	2-ALFIN							AL	
815F	120.65	1684531	None	2-ALFIN	43.18	95	73.9	130	17.9	85.3	AL	3.16T 3.16T 4
3306	120.65	5147396	None	2-ALFIN	43.18	95	74.1	130.3	24	65.2	AL	3T 3 4

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3304/3306	120.65	MAHLE: 1275700	Shining	Alfin	38.128	94.9		115.06		101.3		3.16 2.38 5.54
9N5250	120.65	MAHLE: 1275800	Shining	Alfin	43.18	94.8		115.06				3.16 2.38 5.54
9N5403	120.65		Shining	Alfin	43.18	94.8		115.06				3.0K 2.8K 3.16
3306	120.65	8N3102	Shining	Alfin	43.18	94.9		129.91		85.1		3.0K 3.0 3.16
D3304/D3306	120.65	1W6757	Shining	ALFIN	43.18	94.9		129.91		85.1		3.16 2.38 3.16
D3306	120.65	1654262	Shining	ALFIN	43.18	94.9		129.91		85.1		3.0K 3.0K 4.0
D3306	120.65	1654262	Shining	ALFIN	43.18	94.9		129.91		85.1		3.0K 3.0K 3.16
3306	120.65	8N3102		2-ALFIN	43.175	94.8		129.9				3.12DK 3.12DK 3.16
	120.65	S4751450			43.175	94.8		129.9				3.15 2.38 4
	120.65	9N5402			43.175	94.8		115				3.2DK 3.2DK 3.15
C10/3176	125	4P5852(C) 2382710(S)	None	Copper Bush	50.8	107.6	70	107.5	14.6	90	Steel	4T 3 4
C10 3176 3176C	125	133-7098(C) 1337098(C)	None	Copper Bush	50.8	107.6	69.9	107.4	15	89.5	Steel	4T 3 4
C10 3176	125	2382710(S)	None	None							AL	
C12 3196	130	1442948(C) 2382712(S) 144-2948(C)	None	Copper Bush	53.17	116	69.5	106.8	16	94.8	Steel	4T 3 4
C13	130	3889353	Graphite	OIL GALLERY、 Copper Bush	53.16	92	69.55	105	15.7	94	Steel	3.525T 3 4
C12	130	1979328(C)	None	Copper Bush	53.17	116	69.5	105.4	16.9	93	Steel	3.78T 3 4
C11	130	339-8176 3398176 (2382711 OLD) 2382711 265-1111	Graphite	OIL GALLERY、 Copper Bush	53.16	92	69.5	105	14.5	89	Steel	4T 3 4
C13	130	322-0329 3220329	Graphite	OIL GALLERY、 Copper Bush	53.16	92	69.5	105	15.7	94.3	Steel	3.52T 3 4
C13	130	388-2310 3882310	Graphite	OIL GALLERY、 Copper Bush	53.16	92	69.55	105	15.5	94.1	Steel	3.53T 3 4
C13	130	3889356	Graphite	OIL GALLERY、 Copper Bush	53.16	92	69.5	105	16.3	94.3	Steel	3.52T 3 4
C12/3196	130	2382712(S)	None	None							AL	
D3408 D3412	137.16	9Y7212 2W0865 7W-7756 2W-9053	None	2-ALFIN	50.8	112	88	137.3	16.1	94	AL	3.965T 3.175T 3.175

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D3408 D3412	137.16	5883414	None	2-ALFIN	50.8	112	87.9	136.6	16	94	AL	3.965T 3.175T 3.175
C15 3406E	137.16	180-7352(C)	None	Copper Bush	55	113.2	90.07	128.67	18	98	Steel	4T 3 4
C15	137.16	2250115(C) 132663(S)	None	OIL GALLERY、Copper Bush	55	113.2	90.09	129	17.9	98	Steel	3.61T 3 4
3406E 3400	137.16	149-5566(C)	None	Copper Bush	55	113.2	90.09	128.9	19.38	98	Steel	3.55T 2.95T 3.2
3406E C15	137.16	2212305(C) 1326663(C)	None	OIL GALLERY、Copper Bush	55	113.2	90.09	129	19.2	98	Steel	3.61T 3 4
3406C 3400	137.16	1684540(C)	None	OIL GALLERY、Copper Bush	55	113.2	88.25	127	17.6	94	Steel	3.55T 2.95T 3
9Y1272 9Y4004	137.16	2900017	Shining	ALFIN	50.8	112		137.2		93.9		3.8K 3.0K 3.16
	137.16	7E0539		2-ALFIN	50.8	112		137.8				3.76DK 3.1DK 3.18
68C	137.16	9Y7212		2-ALFIN	50.8	112		137.4				3.76DK 3.17HK 3.17
	137.16	9Y9889			50.8	112		137.3				3.96DK 3.17DK 3.18
3406	137.16	9Y4004		2-ALFIN	50.795	112		137.4				3.5DK 3.0DK 3.18
	137.16	7E8656		2-ALFIN	50.8	112		137.8				3.96DK 3.17DK 3.18
D353	158.75	7N4514 7N4515			62.225	130.5		208				3.175 2.38 6.35
CAT		8H2000	None	ALFIN							AL	
9,3L		3695326		ALFIN							AL	