



GRINDLAYS

PISTON RINGS

CATALOGUE 2011








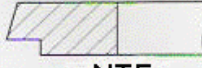











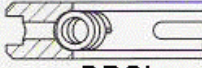

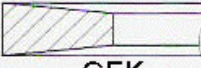










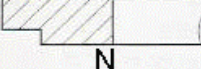

ASIAN RANGE



GRINDLAYS TECH

PISTON RINGS

RING TYPES

 C	 CRTFIS	 NIB
 CR	 CRRTFIS	 NTF
 CIB	 CRHK	 SOR
 CRIB	 CRFK	 PSL
 CRIS	 CRFKIB	 BSOR
 CTF	 CRFKIS	 BPSL
 CRTF	 CFK	 CHSL-B
 CTFIB	 CRFK	 DB-SOR
 CRTFIB	 CRFK	 DB-PSL
 CRRTFIB	 CRFKIF	STOR STEEL OIL RINGS
 CTFIS	 N	 TPOR

MATERIALS :-

1. GCI - Grey Cast Iron
2. SGI - Spheroidal Graphite Iron
3. S - Steel



GRINDLAY TECH

PISTON RINGS

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GRIINDTECH

PISTON RINGS



DAIHATSU

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
L38	356	Fallow MAX 38 L38S	GJ-DA-001 (13011-87205 -87204 -87501) 1 st = Half Keystone	2	1	62	2	2.8	CRHK	SGI
					2	62	2	2.8	CR	GCI
					0	62	2	2.8	CR	GCI
EB	547	Mira	GJ-DA-002 13011-87206 -87222	3	1	62	1.2	2.3	CR	S
					2	62	1.5	2.5	C	GCI
					0	62	2.8	2.5	TPOR	S
ED-10	847	Kancil	GJ-DA-003 13011-87208 -87232	3	1	66.6	1.2	2.6	CR	S
					2	66.6	1.5	2.8	C	GCI
					0	66.6	2.8	2.5	TPOR	S
FE, FE051	958	JEEP F40, F40L, F40K, JEEP F40G, 640V, F40P	GJ-DA-004 13011-87103 992-4023-1411	4	1	68	2	3	CR	GCI
					2	68	2	3	C	GCI
					0	68	4	3.1	TPOR	S
FE	660		GJ-DA-005 13011-87218	3	1	68	1.2	2.6	CR	S
					2	68	1.5	2.8	C	GCI
					0	68	2.8	2.5	TPOR	S
EF	660	Kancil Rusa Charade	GJ-DA-006 13011-87E02	3	1	68	1.2	2.6	CR	S
					2	68	1.5	2.8	C	GCI
					0	68	2.8	2.5	TPOR	S
CD	850	G 20L	GJ-DA-007 13011-87712 Mt.777	3	1	70	1.5	3.0	CR	S
					2	70	1.5	3.0	C	GCI
					0	70	2.8	2.8	TPOR	S
AB	547	Fellow Max L40, L40V, L45, L50, L55 SS11	GJ-DA-008 (13011-87701) (13011-87702) (13011-87705) (13011-87709) (13011-87714)	2	1	71.6	1.5	3	CR	GCI
					2	71.6	1.5	3	C	GCI
					0	71.6	2.8	3	CHSL-B	GCI
ABL40	547		GJ-DA-009 13011-87701 -87710	2	1	71.6	1.5	3	CR	GCI
					2	71.6	1.5	3	C	GCI
					0	71.6	2.8	2.8	TPOR	S



GRIIND TECH

PISTON RINGS

CB	993	Charade G10 EG10 CB10,CB20, CB50	GJ-DA-010 13011-87704 -87703 -87708 -87718	3	1 2 0	76 76 76	1.5 1.5 2.8	3.2 3.2 3.1	CR C TPOR	S GCI S
CB (New)	993	Charade G10S, G11S HC	GJ-DA-011 13011-87727	3	1 2 0	76 76 76	1.5 1.5 2.8	2.8 3 2.5	CR C TPOR	SGI GCI SGI
CB (New)	993	Charade G10S, G11S HC	GJ-DA-012 13011-87727	3	1 2 0	76 76 76	1.5 1.5 2.8	2.9 3 2.5	CR C TPOR	GCI GCI S
HC	1295	Charade G 1028 G 1128	GJ-DA-013 13011-87105 -87104 -87108	4	1 2 0	76 76 76	1.2 1.5 3	2.8 3.1 2.8	CR C TPOR	S GCI S
HD	1589		GJ-DA-014 13011-87106 -87107 -87109 -87110 -87111	4	1 2 0	76 76 76	1.2 1.5 3	2.8 3.2 2.5	CR C TPOR	S GCI S
FB	1861	Delta 2000	GJ-DA-015 13011-87301	4	1 2 0	85 85 85	2 2 4	3.9 3.9 3.9	CR C CHSL-B	GCI GCI GCI
CL10	1000	Charade G30	GJ-DA-016 13011-87717 13011-87723A 1 st = Half Keystone	3	1 2 0	76 76 76	2 1.5 3	3.2 3.1 2.3	CRHK C CHSL-B	SGI GCI SGI
DF	2270	DV202, DL200, DL22L, D200, DV227, DV22D, SV22, SV22H, SV20H	GJ-DA-017 992-4223-1411 992-4113- 1410.1411 992-4113-1412 992-4223-1412	4	1 2 3 0	85 85 85 85	2 2 2 4	3.5 3.5 3.5 2.9	CR C N CHSL-B	GCI GCI GCI GCI
DG	2530	DV26, SV18, SV26, SV32, SV37	GJ-DA-018 (992-5113- 1410)	4	1 2 3 0 0	88 88 88 88 88	2 2 2 4 4	3.8 3.8 3.8 2.8 2.8	CR CR N CHSL-B SOR	GCI GCI GCI GCI GCI
DG (NEW)	2530	D300 (NEW) V23,24, 25, 26 Small Bus F50V	GJ-DA-019 13011-87305 -87306 -87308 -87307	4	1 2 0	88 88 88	2.5 2 4	3.8 3.8 2.8	CR C CHSL-B	GCI GCI GCI



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DG	2530		GJ-DA-020 13011-87304- 000	4	1 2 3 0	88 88 88 88	2 2 2 4	3.8 3.8 3.8 2.8	CR C N CHSL-B	GCI GCI GCI GCI
DL	2765		GJ-DA-021 13011-87310 -87311 -87313 -87320	4	1 2 0	92 92 92	2.5 2 4	3.8 3.8 2.7	CR C CHSL-B	GCI GCI GCI



GRIIND TECH

PISTON RINGS



FUJI

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
EN	660	Vivio, Samba EN07X, EN07Z, EN07E, EN07Y	GJ-FU-001 12033-KA300 -KA330 -KA450 -KA510	4	1	56	1.2	2.3	CR C TPOR	S GCI S
					2	56	1.2	2.4		
					0	56	2.5	2.3		
EN	660		GJ-FU-002 12033 -KA421	4	1	56	1.2	2.3	CR C TPOR	S GCI S
					2	56	1.2	2.4		
					0	56	2.5	2.3		
EK21A	360	Subaru-Rex	GJ-FU-003 48003-1000	2	1	66	1.5	3.0	CR C TPOR	SGI GCI S
					2	66	1.5	3.0		
					0	66	2.8	2.8		
EK22	490	Subaru-Sumber-5 Subaru-R-5	GJ-FU-004 48003-1300	2	1	74	1.5	3.4	CR C TPOR	SGI GCI S
					2	74	1.5	3.4		
					0	74	2.8	3.4		
EK23 New	544	Subaru-Sumber Subaru-Rex	GJ-FU-005 48003-5400	2	1	76	1.5	3.4	CR C TPOR	SGI GCI S
					2	76	1.5	3.4		
					0	76	2.8	3.4		
EK23	544	Subaru-Sumber Subaru-Rex	GJ-FU-006 48003-5500	2	1	76	1.2	3.1	CR C TPOR	S GCI S
					2	76	1.5	3.4		
					0	76	2.8	3.4		
EF10	997	Subaru-Domingo	GJ-FU-007 48003-5610 48003-5700	3	1	78	1.2	3.1	CR C TPOR	S GCI S
					2	78	1.5	3.4		
					0	78	2.8	3.4		
E42	700	Subaru-Rex	GJ-FU-008 48003-5610 -5600	2	1	78	1.2	3.1	CR C TPOR	S GCI S
					2	78	1.5	3.4		
					0	78	2.8	3.4		
EF10	1000		GJ-FU-009 48003-5800	3	1	78	1.2	3.1	CR C TPOR	S GCI S
					2	78	1.5	3.4		
					0	78	2.8	3.5		
EF12			GJ-FU-010 12033-KA181	3	1	78	1.2	3	CR C TPOR	S GCI S
					2	78	1.5	3.4		
					0	78	2.8	3.4		
EK34, EK64	1200		GJ-FU-011 38003-3210	4	1	79	2	3.7	CR C TPOR	GCI GCI S
					2	79	2	3.7		
					0	79	4	3.4		



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EA62	1200	Subaru-FF-1300	GJ-FU-012 88003-8600	4	1 2 0	82 82 82	2 2 4	3.8 3.8 3.75	CR C TPOR	GCI GCI S
EA65	1298	Subaru-1300 A-65,AM1	GJ-FU-013 48003-7000	4	1 2 0	83 83 83	2 2 4	3.8 3.8 3.6	CR C TPOR	GCI GCI S
EA65 New	1298	Subaru-1300 A-65,AM1	GJ-FU-014 48003-7010	4	1 2 0	83 83 83	1.2 1.5 4	3.3 3.6 3.6	CR C TPOR	S GCI S
EA63	1361	Subaru-1400 A-22,B-A22, A323	GJ-FU-015 38003-0110	4	1 2 0	85 85 85	2 2 4	3.9 3.9 3.85	CR C TPOR	GCI GCI S
EA7A New 3	1595	Subaru- Leone1600 Sedan Subaru-Leone 1600 Van	GJ-FU-016 48003-7100	4	1 2 0	92 92 92	1.2 1.5 4	3.6 3.9 3.9	CR C TPOR	S GCI S
EA81	1781	Sedan-Leone 1800 Sedan								
EA71	1595	Subaru-1600 Subaru-1800 B-A26,B- 27,H-A67, A33-A34, AB2, AF2, AM2,3,A67	GJ-FU-017 38003-4320 38003-4300	4	1 2 0	92 92 92	2 2 4	4.1 4.1 3.9	CR C TPOR	GCI GCI S
EA71	1595	AC,AG,AN	GJ-FU-018 12033-AA000 12033-AA330	4	1 2 0	92 92 92	1.2 1.5 4	3.3 3.7 3.65	CR C TPOR	S GCI S
EJ20			GJ-FU-019 12033-AA510	4	1 2 0	92 92 92	1.2 1.5 3	3.3 3.7 3.1	CR C TPOR	S GCI S
EJ22	2200	Legacy	GJ-FU-020 12033-AA210	4	1 2 0	96.9 96.9 96.9	1.2 1.5 3	3.3 3.9 3.4	CR C TPOR	S GCI S
EJ22	2200	Legacy	GJ-FU-021 12033-AA390 12033-AA450 12033-AA570	4	1 2 0	96.9 96.9 96.9	1.5 1.5 3	3.3 3.9 3.4	CR C TPOR	S GCI S
EJ25	2500	Legacy E-B99	GJ-FU-022 12033-AA760	4	1 2 0	99.5 99.5 99.5	1.2 1.5 2.8	3.6 4 3.4	CR C TPOR	S GCI S



GRIIND TECH

PISTON RINGS



HINO

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
DM100	4313	KM 310,330D,350 Trucktor HM300, HM301 Bus BM320	GJ-HI-001 13011-1350A	6	1	90	2.5	3.7	CR	GCI
					2	90	2.5	3.7	C	GCI
					3	90	2.5	3.7	N	GCI
					0	90	4	3.7	CHSL-B	GCI
					0	90	4	3.7	SOR	GCI
DQ100	4507	Truck KQ500,520D, 540, 560, 500K, 540K KL501,521D, 541,561, 581, 501K,541K,56 1K,KM500, 510,520,540	GJ-HI-002 13011-1360	6	1	92	2.5	3.9	CR	GCI
					2	92	2.5	3.9	C	GCI
					3	92	2.5	3.9	N	GCI
					0	92	4	3.9	CHSL-B	SGI
					0	92	4	3.9	SOR	GCI
EC100	5010	Truck KL300,321D, 360,387A,300 K,340K,360K, WB310, KL311,FD124, Trucktor KJ300,HL300 Bus RL100,AM10 0	GJ-HI-003 13011-1390 -1400	6	1	97	2.5	4.3	CR	SGI
					2	97	2.5	4.3	C	GCI
					3	97	2.5	4.3	N	GCI
					0	97	4	4.3	CHSL-B	SGI
					0	97	4	4.3	SOR	GCI
EC100	5010	Truck KL300,321D,3 40, 360,387A,300 K,340K,360K, WB310, KL311,FD124 Trucktor KJ300,HL300 Bus RL100,AM10 0	GJ-HI-004	6	1	97	2.5	4.3	CR	SGI
					2	97	2.5	4.3	C	GCI
					3	97	2.5	4.3	N	GCI
					0	97	4	3.1	CHSL-B	SGI
					0	97	4	4.3	SOR	GCI
W04C-T	4009	Bus 84 Rainbow RB145	GJ-HI-005 13011-2270 -2550 1 st =Keystone	4	1	104	2.8	4.3	CRFK	SGI
					2	104	2.5	4.3	C	GCI
					0	104	5		CHSL-B	GCI



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W04D	4009	Ranger KM,FB112	GJ-HI-006 13011-1973	4	1 2 0	104 104 104	2.5 2 5	4.3 4.3 3.2	CR C CHSL-B	SGI GCI GCI
W06D	5759	Bus AC,FC42	GJ-HI-007 13011-1983 -2420 -2440	6	1 2 0	104 104 104	2.5 2.0 5.0	4.3 4.3 3.2	CR C CHSL-B	SGI GCI GCI
DS70, DS90	7014	Truck TE61,TE11, KL320, TE100,KL300 Trucktor TE100D, TE100,120 Bus RD100,120, BK11, BT10, BT30,BT31	GJ-HI-008 13011-1550A -1210	6	1 2 3 0 0	105 105 105 105 105	3 3 3 4.5 4.5	4.2 4.2 4.2 4.2 4.2	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
EH100	5871	Truck KL500,540,56 0,580,520, KR320, WB311,321 Trucktor KJ500,KU500, KR300,350,K U580,590 Bus BX320, AM101	GJ-HI-009 13011-1410 -1150	6	1 2 3 0 0	105 105 105 105 105	2.5 2.5 2.5 4 4	4.3 4.3 4.3 4.3 4.3	CR C N CHSL-B SOR	SGI GCI GCI SGI GCI
EH100	5871	Truck KL500,540,56 0,580,520,KR 320,WB311, 321 Trucktor KJ500,KU500, KR300,360,K U580,590, Bus BX320, AM101	GJ-HI-010	6	1 2 3 0 0	105 105 105 105 105	2.5 2.5 2.5 4 4	4.3 4.3 4.3 3.1 4.3	CR C N CHSL-B SOR	SGI GCI GCI SGI GCI
EH500	6211	Truck Ranger 4S FD156AA	GJ-HI-011 13011-1860A	6	1 2 3 0	108 108 108 108	3 2.5 2.5 5	4.5 4.5 4.5 3.2	CR C N CHSL-B	SGI GCI GCI SGI
EH300	6211	Truck KL301,321, 361 KL501,KJ501, KU580 Bus RD300, RL300,320	GJ-HI-012 13011-1032 -1062	6	1 2 0 0	108 108 108 108	3 2.5 5 4	4.5 4.5 3.2 4.5	CR C CHSL-B SOR	SGI GCI SGI GCI



GRIIND TECH

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			GJ-HI-013		1 2 0 0	108 108 108 108	3 2.5 5 4	4.5 4.5 3.7 4.5	CR C CHSL-B SOR	SGI GCI SGI GCI
HO6C	6485	GK,FD,RU	GJ-HI-014 10311-2080	6	1 2 3 0	108 108 108 108	3 2.5 2.5 5	4.5 4.5 4.5 3.2	CR C N CHSL-B	SGI GCI GCI GCI
H06C-TA	6485	Ranger F,D	GJ-HI-015 13011-1961 1 st =Keystone	6	1 2 3 0	108 108 108 108	2.806 2.5 2.5 5	4.5 4.5 4.5 3.2	CRFK C N CHSL-B	SGI GCI GCI GCI
H06C-T			GJ-HI-016 13011-3281 1 st =Keystone	6	1 2 3 0	108 108 108 108	2.8 2.5 2.5 4	4.5 4.5 4.5 2.45	CRFK CR N STOR	GCI GCI GCI S
DS50,60, 80	7982	Truck ZC34D,44D Bus BT100H	GJ-HI-017 13011-1230 -1261 -1830 -1680 -1650	6	1 2 3 0 0	110 110 110 110 110	3 3 3 4.5 4.5	4.5 4.5 4.5 4.5 4.5	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
DS50,60, 80	7982	Truck ZC34D,44D Bus BT100H	GJ-HI-018 13011-1250	6	1 2 3 0 0	110 110 110 110 110	3 3 3 4.5 4.5	4.3 4.5 4.5 3.3 4.5	CR C N CHSL-B SOR	SGI GCI GCI SGI GCI
EH700	6443	Truck KL545,KL585 KR365,KL525 KR305,LB595 KL555,KR325 KL565,FD171, 172,174,175, 476 Bus RJ170, 171,172 RD300,301, RL320	GJ-HI-019 13011-1610 -1620	6	1 2 3 0	110 110 110 110	3 2.5 2.5 5	4.5 4.5 4.5 3.2	CR C N CHSL-B	SGI GCI GCI SGI
H07C	6728	Truck P-GD179BA, P-FF173BA Bus P-RJ170BA, P-RJ172BA,	GJ-HI-020 3011-2070 -2090	6	1 2 3 0	110 110 110 110	3 2.5 2.5 5	4.5 4.5 4.5 3.2	CR C N CHSL-B	SGI GCI GCI SGI
H07C-T	6728	Truck FD,FG,SD,RR	GJ-HI-021 13011-2672 1 st = Keystone	6	1 2 3 0	110 110 110 110	2.806 2 2.5 4	4.5 4.5 4.5 2.45	CRFK CR N STOR	SGI SGI GCI S



GRIIND TECH

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H07C-T			GJ-HI-022 13011-3510 1 st =Keystone	6	1 2 3 0	110 110 110 110	2.806 2 2.5 4	4.5 4.5 4.5 2.45	CRFK CR N STOR	SGI SGI SGI S
H07E	6728	Truck PG-179BA, PEF173BA Bus P-RJ170BA, P-RJ172BA	GJ-HI-023 13011-3010 -3020 -3030A	6	1 2 3 0	110 110 110 110	3 2.5 2.5 5	4.5 4.5 4.5 3.2	CR C N CHSL-B	SGI GCI GCI SGI
H07D	7412	FD,FC,GD,FF, FT,RI	GJ-HI-024 13011-2650 -2651 -2660	6	1 2 0	110 110 110	3 2 4	4.5 4.5 2.5	CR CR STOR	SGI SGI S
J07,J08C	7961	FD	GJ-HI-025 13011-2962	6	1 2 0	114 114 114	3 2 4	4.5 4.5 2.45	CR CR STOR	SGI SGI S
EB100, 200	9036	Truck KB300D, KB320,340, 360,KB380,10 0,120,110,301, KB312,321, 341,361,381,K B111, KB121 Bus RE100, RE100-P RE120,140, RE120P	GJ-HI-026 13011-1300 -1310 -1690	6	1 2 3 0 0	115 115 115 115 115	3.5 3 3 5 5	4.7 4.6 4.6 4.6 4.5	CR C N CHSL-B SOR	GCI GCI GCI SGI GCI
EB100, 200	9036	Truck KB300D,KB3 20,340, 360, KB380,100, 120,110,301, KB312,321, 341,361,381, KB111,KB121 Bus RE100, RE100-P, RE120,140, RE120-P	GJ-HI-027	6	1 2 3 0 0	115 115 115 115 115	3.5 3 3 5 5	4.6 4.6 4.6 3.2 4.5	CR C N CHSL-B SOR	SGI GCI GCI GCI GCI
EL100T	7862	Truck FG185,LB760	GJ-HI-028 13011-1700	6	1 2 3 0	116 116 116 116	3 2.5 2.5 5	4.8 4.8 4.8 3.2	CR C N CHSL-B	SGI GCI GCI SGI



GRINDLAYS INDIA

PISTON RINGS

DK10T, 20T	10170	Truck	GJ-HI-029 13011-1280 -1200 -1270	6	1	120	3.5	4.6	CR	SGI	
		TC301,311, 121, BG100			2	120	3.5	4.6	C	GCI	
		Bus			3	120	3.5	4.6	N	GCI	
		RC300,320,30 0P320P,RC32 OPT			0	120	5	4.6	CHSL-B	SGI	
		Trucktor HE100,HF300, HF301,HH700 HH720			0	120	5	4.6	SOR	SGI	
DK10,20	10170	Truck	GJ-HI-030 13011-1290	6	1	120	3.5	4.6	CR	SGI	
		TC301,311, 121, BG100			2	120	3.5	4.6	C	GCI	
		Bus			3	120	3.5	4.6	N	GCI	
		RC300,320, 300P,320P, RC320PT			0	120	5	3.3	CHSL-B	GCI	
		Trucktor HE100,HF300, HF301,HH700 , HH720			0	120	5	4.6	SOR	GCI	
EB300	9838	Truck	GJ-HI-031 13011-1730 -1720 -1330 -1340	6	1	120	3	4.6	CR	SGI	
		KB113D,122, 303D,313,314, 322,342,362,7 20,383,392, E320,ZH100, KB304D, KH120,BG100 KB394,721,ZT 300,320 Bus RF400			2	120	3	4.6	C	GCI	
					3	120	3	4.6	N	GCI	
					0	120	6	3.7	CHSL-B	GCI	
EB400	9838	Bus	GJ-HI-032 13011-1640A -1630 1 st =Keystone	6	1	120	3.306	4.6	CRFK	SGI	
		RE101,RE161, RE121,RE141			2	120	3	4.6	C	GCI	
					3	120	3	4.6	N	GCI	
					0	120	6	3.7	CHSL-B	GCI	
EP100	8821	Super Dolphin FN288 11.5ton	GJ-HI-033 13011-1952	6	1	120	3.306	4.8	CRFK	SGI	
					2	120	2.8	4.8	C	SGI	
					3	120	2.5	4.8	N	GCI	
					0	120	5	3.2	CHSL-B	GCI	
EP100			GJ-HI-034 13011-2370A 1 st =Keystone	6	1	120	3.3	4.8	CR	SGI	
						2	120	3	4.8	C	SGI
						3	120	2.5	4.8	N	GCI
						0	120	5	2.9	CHSL-B	SGI
EM100	9419	Truck FH288	GJ-HI-035 13011-1931 -1921 -3530	6	1	124	2.806	5	CR	SGI	
					2	124	3	5	C	SGI	
					3	124	3	5	N	GCI	
					0	124	5	3.5	CHSL-B	SGI	



GRINDLAYS TECH

PISTON RINGS

M10U	9880	Bus HT, HU	GJ-HI-036 13011-2870 -2250 1 st =Keystone	6	1 2 3 0	127 127 127 127	3.306 3 3 5	5.2 5.2 5.4 3.5	CRFK C N CHSL-B	SGI SGI GCI GCI
ED100	11581	Truck KB500,TC302 ,322,342,362,3 82,921, KF300D,320,3 40,360,380,39 0,355,365,385, HH130,ZH102 ,8G150D, HE335,ZH110 D,ZC120,ZG1 50D,ZR300,Z C150	GJ-HI-037 13011-1470 -1670 -1660 -2240	6	1 2 3 0	128 128 128 128	3.5 3.5 3.5 6	4.8 4.8 4.8 3.7	CR C N CHSL-B	SGI SGI GCI GCI
ED100	11581	Truck HT, HH	GJ-HI-038 13011-1480	6	1 2 3 0	128 128 128 128	3.5 3.5 3.5 6	4.8 4.8 4.8 3.7	CR C N CHSL-B	SGI GCI GCI GCI
ER200	11581	Bus RC300,301, 302, RC321,381	GJ-HI-039 13011-1770	6	1 2 3 0	128 128 128 128	3.306 3 3 6	4.8 4.8 4.8 3.7	CR C N CHSL-B	SGI GCI GCI GCI
EF100	13804	Truck TC701D,721, 741, 761, 781, KF702D, 722, 742,762,782, 792,765,785, ZM102D,301 D,341,703D,7 43,763,HE345, HH340,HK34 0,KA340,HF7 01D,HE340, HE345 Bus RV730P, RV750P	GJ-HI-040 13011-1570 -1580 -1590 1 st = Keystone	8	1 2 3 0	130 130 130 130	3.306 3.5 3.5 6	5.2 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI
EF100T	13804	Truck HE340,HE345 HE346	GJ-HI-041 13011-1180 1 st =Keystone	8	1 2 3 0	130 130 130 130	3.306 3.5 3.5 6	5.2 5.4 5.4 3.8	CR C N CHSL-B	SGI GCI GCI SGI



GRINDLAYS

PISTON RINGS

EF300, EF350	14232	Truck TC702D, KF703D, ZM704D, KF797 ZM764, ZM705D, KF746,KF704, 706,798,ZM76 5,KF767,KS34 1,ZM706,765, 745 Bus RV761,RS120	GJ-HI-042 13011-1091 -1100 -1101 1 st =Keystone	8	1 2 3 0	132 132 132 132	3.306 3.5 3.5 6	5.2 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI
EF500	15459	Truck ZM500D,WP3 25,HE356, ZM560,KF585 ,ZM540,ZM58 0,TC921, TC541, 561B,HE350, 355, WB300, HE330 Bus RV541,RV561 P,RS360P, RV530P,540P, 550	GJ-HI-043 13011-1131 -1141 -1460 -2150 -2160 1 st =Keystone	8	1 2 3 0	135 135 135 135	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI
EG100	14886	Bus RV541,RV561 P,RS360P, RV530P,540P, 550								
EF550	16260	Truck FS,FR,FN,SH, RU	GJ-HI-044 13011-2700 1 st =Keystone	8	1 2 3 0	135 135 135 135	3.306 3.5 3.5 5	5.4 5.4 5.4 3	CRFK C N CHSL-B	SGI SGI GCI SGI
K13C	12882	Truck FS,FR,FN	GJ-HI-045 13011-3090 1 st =Keystone	6	1 2 3 0	135 135 135 135	3.306 3.5 3.5 5	5.4 5.4 5.4 3	CRFK C N CHSL-B	SGI SGI GCI SGI
EK100 EK200	13267	Truck TC363,KF392, KS391,KS341, KB501D,KF3 01,391,ZM303 ,TC922,ZR255 ,TC343,362, WD300,TC38 3,ZC101,121 Bus RC721P	GJ-HI-046 13011-1021 -1010 -1011 1 st Keystone	6	1 2 3 0	137 137 137 137	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI



GRIIND TECH

PISTON RINGS

EK100	13546	Truck TC303D,KB5 01D, KF301D,KS32 1,ZM103D	GJ-HI-047 13011-2210 -2222 1 st Keystone	6	1 2 3 0	137 137 137 137	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI SGI GCI GCI
D3EF750 EF700, 750	15920	Truck HE366,HH341 ,TC562, ZM500, ZM940	GJ-HI-048 13011- 1121,1122 -1111,1112 -2180,1121B 1 st =Keystone	8	1 2 3 0	137 137 137 137	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI
EF700T, 750T	16745	Truck SH,SS,FN,FS, SH	GJ-HI-049 13011-1890 -1891 1 st =Keystone	8	1 2 3 0	137 137 137 137	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI SCI GCI GCI
EF750	15920	Truck Tractor HE, HH,TC	GJ-HI-050 13011-1990 1 ST = Keystone	8	1 2 3 0	137 137 137 137	2.806 3.5 3 5	5.4 5.4 5.4 5	CRFK C N CHSL-B	SGI GCI GCI GCI
EV700	19900	Truck HE526, WP330, HH541,TC562	GJ-HI-051 13011-1741 -1751 1 st =Keystone	10	1 2 3 0	137 137 137 137	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI
EV700	19900	Truck SH,HE526,SS, TC562	GJ-HI-052 13011-1740 1 st =Keystone	10	1 2 3 0	137 137 137 137	3.306 3.5 3.5 6	5.4 5.4 5.4 3.8	CRFK C N CHSL-B	SGI GCI GCI GCI
F17D	17238	Truck FS,FR,RU FN,FW,SH	GJ-HI-053 13011-2990 -2991 1 st = Keystone	8	1 2 3 0	137 137 137 137	3.306 3.5 3.5 5	5.4 5.4 5.4	CRFK CR N STOR	SGI SGI GCI S
F17E	17238	FS,FR,RU FN,FW,SH	GJ-HI-054 13011-3150 -3160 1 st =Keystone	8	1 2 3 0	139 139 139 139	3.306 3.5 3.5 6	5.4 5.5 5.6 3	CRFK CR N STOR	SGI SGI GCI S
V22C	21548	Truck SH,SS	GJ-HI-055 13011-2470 -2471 -2472 1 st =Keystone	10	1 2 3 0	139 139 139 139	3.306 3.5 3.5 6	5.4 5.5 5.5	CRFK C N CHSL-B	SGI GCI GCI GCI
V22D	21548	Truck SH,FS,FN	GJ-HI-056 13011-3180 -3080 1 st =Keystone	10	1 2 3 0	139 139 139 139	3.306 3.5 3.5 5	5.4 5.5 5.6 3	CRFK CR N STOR	SGI SGI GCI S



GRINDLAYS TECH

PISTON RINGS

EA100		Bus	GJ-HI-057 13011-1540 1 st =Keystone	10	1 2 3 0	140 140 140 140	3.306 3 3 6	5 5 5 3	CRFK C N CHSL-B	SGI SGI GCI SGI
F20C	19688	Truck FS,FR,FO,FN, FW,FY,SH, RU	GJ-HI-058 13011-2792A 1 st =Keystone	8	1 2 3 0	146 146 146 146	3.306 3.5 3.5 5	5.6 5.6 5.6 3	CRFK CR N STOR	SGI SGI SGI S



GRINDLAYS

PISTON RINGS



ISUZU

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
4XC1-H	1471	Gemini	GJ-IS-001 8-94162-769-0 8-94109-650-0 /cyl.	4	1	77	1.2	2.8	CR C TPOR	SGI GCI S
					2	77	1.2	3.5		
					0	77	2.8	3.1		
4XC1	1471	JT151F	GJ-IS-002 8-94141-947	4	1 0	77 77	1.5 2.8	3 3.1	CR TPOR	GCI S
G 150	1500	Bellet PR 20, PR 40 Elf 1500	GJ-IS-003 9-12181-055 9-12181-071	4	1	79	2	3.1	CR C TPOR	GCI GCI S
					2	79	2	3.1		
					0	79	4	3.1		
G 161A G161Z G161AB	1584	Florian 1600 Elf Foster PA20V, KA41V,51V	GJ-IS-004 12181-055 9-12181-141-0 8-94206-294-0 9-94216-639-0	4	1	82	2	3.8	CR C TPOR	GCI GCI S
					2	82	2	3.8		
					0	82	4	3.9		
G161	1584	PF 50	GJ-IS-005 12181-101	4	1	82	1.5	3.8	CR C TPOR	GCI GCI S
					2	82	1.5	3.8		
					0	82	4	3.9		
G 161Z	1584	PF50	GJ-IS-006 8-94244-403-0 8-94130-293-0 8-94452-743-1	4	1	82	1.5	3.3	CR C TPOR	S GCI S
					2	82	1.5	3.7		
					0	82	4	3.2		
G161W	1584	117 Coupe	GJ-IS-007 9-12181-616-0	4	1	82	2	3.8	CR C CHSL-B	GCI GCI GCI
					2	82	2	3.8		
					0	82	4	3.8		



GRIINDTECH

PISTON RINGS

GL201	1991	Truck TLG21VC, TLG30, TLG30V, TLG50 Elf TLG11, TLG11V,TLG 21,TLG60,TL G60D Elfin TKG11, TKG11W Bus BLG11,GLG2 0,TLG21B	GJ-IS-008 9-12181-061-0	4	1 2 3 0	83 83 83 83	2 2 2 4	3.4 3.4 3.4 3.4	CR C N TPOR	GCI GCI GCI S
DL201			GJ-IS-009	4	1 2 3 0 0	83 83 83 83 83	2 2 2 4 4	3.4 3.4 3.4 3.4 3.4	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
G180Z	1817		GJ-IS-010 8-94244-404-0 8-94130-294-0	4	1 2 0	84 84 84	1.5 1.5 4	3.3 3.8 3.2	CR C TPOR	S GCI S
G 180	1818	Florian 1800 Bellet 1800 117 Coupe PR 60 , PR 95	GJ-IS-011 9-12181-605-0 9-12181-615 8-94216-640-0	4	1 2 0	84 84 84	2 2 4	3.8 3.8 3.9	CR C TPOR	GCI GCI S
4ZB1	1817	WFR11	GJ-IS-012 8-94143-047-1	4	1 2 0	84 84 84	1.5 1.5 4	3.6 3.6 3.1	CR C TPOR	S GCI S
4ZB1	1817	WFR11	GJ-IS-013 8-94313-195-0	4	1 2 0	84 84 84	1.5 1.5 4	3.1 3.5 3.1	CR C TPOR	SGI GCI SGI
G190			GJ-IS-014 1-19163-013-0	4	1 2 3 0	85 85 85 85	3 3 3 4	3.5 3.5 3.5 3.6	CR C N TPOR	GCI GCI GCI S
G 201	1951	Bus BLG22,22B, 24 Truck TLG12,22,32, 42,52,62, KVG20,20VF For Agricultural Machine	GJ-IS-015 9-12181-602-0	4	1 2 0	86 86 86	2.5 2.5 4	4.1 4.1 4.1	CR C TPOR	GCI GCI S
G 200Z	2000	117 Coupe PA 96	GJ-IS-016 8-94216-641-0	4	1 2 0	87 87 87	2 2 4	3.8 3.8 3.8	CR C TPOR	GCI GCI S



GRINDLAYS TECH

PISTON RINGS

G 200ZN	2000	KB23,28,43,48	GJ-IS-017 8-94231-817-0 8-94130-295-0	4	1 2 0	87 87 87	1.5 1.5 4	3.3 3.7 3.15	CR C TPOR	S GCI S
4ZC1	1994	Aska	GJ-IS-018 8-94235-878-0	4	1 2 0	88 88 88	1.5 1.5 4	3.6 3.8 3.1	CR C TPOR	S GCI S
4ZD-1EXP	2254	KGB29,44,49 TFR 16 TFS 16	GJ-IS-019 8-94153-966-0 8-94136-778-0	4	1 2 0	89.3 89.3 89.3	1.5 1.5 4	3.3 3.8 3.1	CR C TPOR	S SGI S
4ZE1	2600	TFR17 TFS17	GJ-IS-020 8-94405-614-0 8-94446-957-1 8-94405-614-2	4	1 2 0	92.6 92.6 92.6	1.5 1.5 4	3.3 4 3.1	CR C TPOR	S GCI S
GVD1	3165	BIG HONE UBS25GW	GJ-IS-021 8-97307-372-0	6	1 2 0	93.4 93.4 93.4	1.5 1.5 3.9	3.3 4 3.1	CR C TPOR	S GCI S
3KA1, 3KB1	877	For Industrial Machine	GJ-IS-022 8-94131-793-0	3	1 2 0	70 70 70	2 1.5 3.5	2.9 3.1 2.1	CR C CHSL-B	SGI GCI GCI
3KC1		For Industrial Machine	GJ-IS-023 5-12121-031-0	3	1 2 0	74 74 74	2 1.5 3	2.9 3.1 2.1	CR C CHSL-B	SGI GCI GCI
4EC1	1487	Gemini Diesel JT6000	GJ-IS-024 8-94144-187-0 8-94332-767-1	4	1 2 0	76 76 76	2 1.5 3	3.1 3.1 2.1	CR C CHSL-B	SGI GCI SGI
4EC1	1487	Gemini FF	GJ-IS-025 8-94342-490-0	4	1 2 0	76 76 76	2 1.5 3	3.1 3 2	CR CR STOR	SGI GCI S
4FE1	1487	Gemini FF	GJ-IS-026 8-94169-748-0	4	1 2 0	76.3 76.3 76.3	2 2 4	3.3 3.3 2.5	CR C CHSL-B	SGI GCI GCI
3AE1			GJ-IS-027 5-12121-011-0	3	1 2 0	80 80 80	2 2 4	3.5 3.5 3	CR C CHSL-B	GCI GCI GCI



GRIINDTECH

PISTON RINGS

C220	2200	ELF TLD11, TLD11D, TLD11V, TLD21, TLD31V, TLD21W, TLD60 ELFIN TKD11, TKD11V, TKD11W Truck TLD21VC, TLD30, TLD30V, TLD50 Bus BLD11, BLD22, BLD11B, BLD21B	GJ-IS-028 9-12181-100 9-12181-057 9-12181-062	4	1 2 3 0 0	83 83 83 83 83	2 2 2 4 4	3.4 3.4 3.4 3.4 3.4	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
C221, C201, C201P (PT)	2200	Elf TLD22V, TLD22, TLD12, TLD22W, TLD32, TLD22VF, TLD52, TLD62 Bus BLD22	GJ-IS-029 9-12181-122-0 5-12181-015-0 5-12121-014-0 5-12121-013-0	4	1 2 3 0 0	83 83 83 83 83	2 2 2 5 5	3.4 3.4 3.4 2.8 3.2	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
4FB1 4FC1	1817 1995	Gemini Diesel PFD60 Fargo WFR 51	GJ-IS-030 8-94224-221-0 8-94139-973-0	4	1 2 0	84 84 84	2.5 2 4	3.5 3.5 2.8	CR C CHSL-B	SGI GCI GCI



GRIINDTECH

PISTON RINGS

C240, C190	2369	Elf TDL13,23,23Z ,43,53,63 KVD20,20VF, TLD23ZV, KAD51V,PA D30,PAD30V, KAD51ZV,K AD51NV, PAD96,KAD5 1NV,PAD96, KAD50NV, TLD23V, KAD41V Truck KAD41,51, KUD20Z,TLD TLD33,TLD2 3ZP,23ZV, KAD52,42,KB D40,20, TCD23,KB40, 41, KBD20,26 Bus BLD24,KAD5 1ZB,KAD51, KAD52, KVD20	GJ-IS-031 12181-138	4	1 2 3 0 0	86 86 86 86 86	2 2 2 5 5	3.5 3.5 3.5 2.8 3.5	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
C240 New C190 New	2369	Bus BLD24,KAD5 1ZB,KAD51, KAD52, KVD20	GJ-IS-032 12181-603 5-12121-007-0 5-12181-027-0 5-12181-028-0	4	1 2 3 0	86 86 86 86	2 2 2 5	3.5 3.5 3.5 2.8	CR C N CHSL-B	GCI GCI GCI GCI
2AB1	1184		GJ-IS-033	2	1 2 3 0	86 86 86 86	2 2 2 5	3.5 3.5 3.5 3	CR C N CHSL-B	SGI GCI GCI GCI
C240 New-New C190 New-New	2369 1951	ELF 150 ELF250	GJ-IS-034 5-12121-021-0 8-94104-949-0	4	1 2 0	86 86 86	2.5 2 5	4 3.5 4.2	CR C CHSL-B	GCI GCI GCI
C190	1951	Elf 150	GJ-IS-035 5-12121-022-0	4	1 2 0	86 86 86	2.5 2 5	3.9 3.5 3	CR C CHSL-B	SGI GCI GCI
C190G	1951	Florian VAN	GJ-IS-036 5-12121-008-0	4	1 2 3 0	86 86 86 86	2 2 2 5	3.5 3.5 3.5 3	CR C N CHSL-B	GCI GCI GCI GCI



GRIIND TECH

PISTON RINGS

C223	2238	RODEO TFR52 BIGHORN TFS52 KRD22	GJ-IS-037 8-94253-736-0	4	1 2 0	88 88 88	2 2 4	3.5 3.5 2.7	CR C CHSL-B	GCI GCI GCI
C223	2238	117 Coupe Diesel TFS52,KRD22 ,TFR52	GJ-IS-038 5-12121-017-0 5-12121-024-0	4	1 2 0	88 88 88	2.5 2 4.5	3.9 4 3	CR C CHSL-B	SGI GCI GCI
C223T	2238	Truck TFR Faster TFS Hi Pack Van	GJ-IS-039 8-94158-084-0	4	1 2 0	88 88 88	2.5 2 4	4 3.55 2.4	CR C CHSL-B	GCI GCI GCI
4FD1	2189	Rodio 83 Bighorn	GJ-IS-040 8-94250-730-0	4	1 2 0	88 88 88	2 2 4	3.5 3.6 2.4	CR C CHSL-B	SGI GCI GCI
4FG1	2400	WFR 62	GJ-IS-041 8-94469-634-0	4	1 2 0	89.3 89.3 89.3	2 2 4	3.1 3.8 2.7	CR C CHSL-B	S GCI GCI
4JA-1 4JB-1	2499 2771	KBD23,28 TFR54, TFS54	GJ-IS-042 8-94247-867-1	4	1 2 0	93 93 93	2 2 4	4 4 2.6	CR C CHSL-B	GCI GCI GCI
4JG2	3059	TC-1C O-UBS69GW	GJ-IS-043 8-97080-215-0	4	1 2 0	95.5 95.5 95.5	2.5 2 4	4 4 2.5	CR CR STOR	GCI GCI S
C330	3318	ELF KS	GJ-IS-044 9-12181-801-0	4	1 2 0	98 98 98	3 2.5 5	3.9 3.9 3	CR C CHSL-B	GCI GCI GCI
D500	4978	Forward TF,BY	GJ-IS-045 5-12181-020-0 9-12181-608-0	6	1 2 0	98 98 98	3 2.5 5	3.9 3.9 3.2	CR C CHSL-B	GCI GCI GCI
4BA1	2775	Elf Truck TLD64,KS11, 21,31, TLD64D,34,4 4,54,24, TLD23	GJ-IS-046 5-12181-025-0 12181-619 12181-601 5-12121-001 5-12121-019	4	1 2 0	98 98 98	3 2.5 5	3.9 3.9 3	CR C CHSL-B	GCI GCI GCI
DA120 OLD	6126	Truck TX552,552- T,TX551, 551-T,TX542, 542-D, 542-T.TX541, 541-D, 541-T,TS543, 543-D, TW542,542D, TS540, TXD50, TSD40	GJ-IS-047 9-12181-091-0 9-12181-063	6	1 2 3 0 0	100 100 100 100 100	2.5 2.5 2.5 4 4	4 4 4 2.9 4	CR C N CHSL-B SOR	SGI GCI GCI GCI GCI



GRIIND TECH

PISTON RINGS

DA220 OLD	4084	For Industrial Machine	GJ-IS-048 9-12181-093-0	4	1 2 3 0 0	100 100 100 100 100	2.5 2.5 2.5 4 4	4 4 4 2.9 4	CR C N CHSL-B SOR	SGI GCI GCI GCI GCI
DA120 New	6126	Bus BA341P,343, 351,541,543, 551, BB341,351, 551, BX352,531, 552 For Industrial Machine	GJ-IS-049 12181-005 12181-128 12181-036 12181-087	6	1 2 3 0	100 100 100 100	2.5 2.5 2.5 5	4.2 4.4 4.4 3.3	CR C N CHSL-B	SGI GCI GCI GCI
DA220 New	4084	For Industrial Machine	GJ-IS-050 18181-006 12181-038 12181-111	4	1 2 3 0	100 100 100 100	2.5 2.5 2.5 5	4.2 4.4 4.4 3.3	CR C N CHSL-B	SGI GCI GCI GCI
GD 150			GJ-IS-051	6	1 2 0	100 100 100	2.5 2.5 5	4.2 4.4 3.3	CR C CHSL-B	GCI GCI GCI
DA640 Old	6373	Truck TXD70E, TXD80E Bus BA01, BA05,BA10, BA10P,BA20, BA20P,BS20, BF20	GJ-IS-052 9-12181-092-0 12181-064-0 12181-048-0 12181-028-0	6	1 2 3 0 0	102 102 102 102 102	2.5 2.5 2.5 4 4	4 4 4 2.9 4	CR C N CHSL-B SOR	SGI GCI GCI GCI GCI
DA640 NEW DA640PP	6373	Truck TXD13,23,53, 60 SFR320,420, 460,500, 600,TSD43, TWD23 Bus BA20,20P, BF30	GJ-IS-053 12181-033 12181-007 12181-074 12181-110	6	1 2 3 0	102 102 102 102	2.5 2.5 2.5 5	4.2 4.4 4.4 3.3	CR C N CHSL-B	SGI GCI GCI GCI
DA640 NEW DA640PP	6373	Truck TXD13,23,53, 60 SFR320,420, 460,500, 600,TSD43, TWD23 Bus BA20,20P, BF30	GJ-IS-054 12181-088	6	1 2 3 0	102 102 102 102	2.5 2.5 2.5 5	4.2 4.4 4.4 3.3	CR C N CHSL-B	SGI GCI GCI GCI



GRIINDTECH

PISTON RINGS

DA640S	6373	Truck TXD13,23,53, 60 SFR320,420, 460,500, 600,TSD43, TWD23 Bus BA20,20P, BF30	GJ-IS-055 12181-014-1 12181-014-0 12181-035-0 12121-011/Cyl 1 st =Keystone	6	1 2 3 0	102 102 102 102	3.5 2.5 2.5 5	4.2 4.4 4.4 3.3	CRFK C N CHSL-B	GCI GCI GCI GCI
DA640S	6373	Fork Lift	GJ-IS-056 12181-014-1 12181-035-0 12121-011/Cyl 1 st =Keystone	6	1 2 3 0	102 102 102 102	3.5 2.5 2.5 5	4.2 4.4 4.4	CRFK C N CHSL-B	GCI GCI GCI GCI
4BB1 4BD1	3595 3856	Elf Truck KS11,21,31, KS121D, KA31	GJ-IS-057 5-12181-024-1 5-12181-003 5-12121-005- 0/Cyl.	4	1 2 0	102 102 102	3 2.5 5	4.4 4.4 3.3	CR C CHSL-B	GCI GCI GCI
GBD1 GBB1	5393	Forward Truck SBR320,380, 430,450 500,560,400, 680 YBR360,310,S BR320D, 380D,422,322, 482,552, FBR370,JBR, TLD23ZPO	GJ-IS-058 5-12181-0230-2 5-12121-055- 0/Cyl.	6	1 2 0	102 102 102	3 2.5 5	4.4 4.4 3.3	CR C CHSL-B	GCI GCI GCI
GBD1, MT	5785	JCR360,JCR4 20 JCR480,JCR5 00	GJ-IS-059 5-12121-051 5-12121-015-0 1 st =Keystone	6	1 2 0	102 102 102	3.5 2.5 5	4.4 4.4 3.3	CRFK C CHSL-B	GCI GCI GCI
4BC1	3268	TRD46,56 KT15,25,35,45 NKR57 NPR57	GJ-IS-060 5-12121-004-0	4	1 2 0	102 102 102	3 2.5 5	4.4 4.4 3.3	CR C CHSL-B	GCI GCI GCI
4BE1	3636	Elf NPR58	GJ-IS-061 8-94418-918-0	4	1 2 0	105 105 105	3 2.5 5	4.4 4.5 3.4	CR C CHSL-B	GCI GCI GCI
4BG1	4329	Elf	GJ-IS-062 8-94337-453-0	4	1 2 0	105 105 105	3 2.5 4	4.4 4.6 3.1	CR C CHSL-B	GCI GCI SGI



GRIINDTECH

PISTON RINGS

GBF1	6130	Forward SDR370,SDR 420, SDR422,SDR 480 JDR460	GJ-IS-063 5-12121-006-0	6	1 2 0	105 105 105	3 2.5 5	4.4 4.4 3.3	CR C CHSL-B	GCI GCI GCI
GBG1-7C	6494	Forward Truck	GJ-IS-064 1-12121-115-0	6	1 2 0	105 105 105	3.5 2.5 4	4.3 4.7 3.1	CR C CHSL-B	GCI GCI SGI
GBG1	6500	Forward FRS12 FTR12	GJ-IS-065 12121-065-0	6	1 2 0	105 105 105	3 2.5 5	4.5 4.5 3.4	CR C CHSL-B	GCI GCI SGI
GBG1	6494	Forward FRS 12	GJ-IS-066 1-12121-101-1	6	1 2 0	105 105 105	3 2.5 4	4.4 4.6 3.1	CR C CHSL-B	GCI GCI SGI
4HE1	4751	Elf NPR	GJ-IS-067 8-97078-779-0 1 st = Half Keystone	4	1 2 0	110 110 110	3.0 2.5 4.0	4.1 4.7 2.5	CRHK CR STOR	S GCI S
6HE1	7127	Forward Truck	GJ-IS-068 8-94396-840-0	6	1 2 0	110 110 110	3 2.5 4	4.5 4.7 2.5	CR CR STOR	SGI GCI S
4HF1	4334	Elf NPR	GJ-IS-069 8-97028-691-0	4	1 2 0	112 112 112	3 2.5 4	4.5 4.7 2.5	CR CR STOR	SGI GCI S
4HF1	4334	Forward Truck	GJ-IS-070 8-97109-462-0 1 st = Half Keystone	4	1 2 0	112 112 112	3 2.5 4	4 4.7 2.5	CRHK CR STOR	S GCI S
4HG1	4751	Elf NPR	GJ-IS-071 8-97105-867-0 1 st = Half Keystone	4	1 2 0	115 115 115	3.0 2.5 4.0	4.1 4.8 2.5	CRHK CR STOR	S SGI S
8PA1	9971	Truck SKS390,SKW 440 SKW520	GJ-IS-072 1-12181-060-0 1-12181-016-0 /Cyl.	8	1 2 0	115 115 115	3 2.5 6	4.6 4.8 3.7	CR C CHSL-B	SGI SGI GCI



GRIINDTECH

PISTON RINGS

10PA1	12464	Truck SRZ440,441, 450,451,580, 650 VRR290,SPZ4 50D, SRM450D,SR M710,701,SP K710,SRM450 ,650,680,710,S RG720R,750, TMK67Z,VRZ 440,SRK701,7 10,SRM441,45 1,651 Bus CRA 580,650	GJ-IS-073 12181-016/Cyl.	10	1 2 0	115 115 115	3 2.5 6	4.6 4.8 3.7	CR C CHSL-B	SGI SGI GCI
12PA1	14957	Truck VRZ440, VTR290, VTZ440, VTR300	GJ-IS-074 12181-016/Cyl.	12	1 2 0	115 115 115	3 2.5 6	4.6 4.8 3.7	CR C CHSL-B	SGI SGI GCI
8PB1 10PB1 12PB1	11217 14022 16826	Truck SMR,SMK, CSA,SSZ, VSR,VSZ, VVE,VVZ	GJ-IS-075 1-12181-061- 0/Cyl. 1-12181- 069/Cyl.	8 10 12	1 2 0	115 115 115	3 2.5 4	4.6 4.8 3.7	CR C CHSL-B	SGI SGI GCI
GSA-T	8413	Forward 200PS	GJ-IS-076 1-12121-070-0 1-12121-075-0 1-12121-113-0	6	1 2 0	115 115 115	3 2.5 4	4.6 4.8 2.6	CR C CHSL-B	SGI SGI GCI
GSD1-X			GJ-IS-077 1-12121-090-0	6	1 2 0	117.9 117.9 117.9	3.5 2.5 5	4.9 4.9 3	CR CR STOR	SGI SGI S
10PC1	15014	Truck Bus	GJ-IS-078 1-12121-047- 0/cyl.	10	1 2 0	119 119 119	3 2.5 4	4.6 4.8 3.5	CR C CHSL-B	SGI GCI GCI
10PC1-T	15014	CXM10.75ton Hi-Decker	GJ-IS-078 1-12121-062- 0/cyl. 1-12121-063- 0/cyl.	10	1 2 0	119 119 119	4 2.5 4	4.6 4.8 3.5	CR C CHSL-B	SGI SGI SGI
DH100	10179	Truck Bus TD50,TD60, TD70,TD80, TD90,TD141, TD161	GJ-IS-079 12181-050 12181-068	6	1 2 3 0 0	120 120 120 120 120	3 3 3 6 6	5 5 5 3.7 4.8	CR C N CHSL-B SOR	SGI GCI GCI GCI GCI



GRINDLAYS TECH

PISTON RINGS

DH100 New	10179	Truck TD50,62,72, SLR350P400, 450,520,SLR 600, 670,700, VRB290, VLR290, TD50-D, SLR360,400T, 401 Bus BU04P,10P, 15P,20P, 35P,BU10, 20,04, CLM500, BD40	GJ-IS-080 1-12181-001-0 9-12181-083-0 9-12181-086-0 9-12181-114-0 12121-016- 0/Cyl.	6	1 2 3 0	120 120 120 120	3 3 3 6	5 5 5 3.5	CR C N CHSL-B	SGI GCI GCI GCI
GSD1TC	9839	Truck CXG23	GJ-IS-081 1-12121-077-0	6	1 2 0	120 120 120	3 2.5 5	4.9 4.9 3	CR CR STOR	SGI SGI S
GSD1TC	9839	Forward (FRR13) CXG23	GJ-IS-082 1-12121-094-1	6	1 2 0	120 120 120	3.5 2.5 5	4.9 4.9 3	CR CR STOR	SGI SGI S
GQA1	11044	Truck,Bus TDJ50,TDJ72, TDJ78,CVR14 SJR361,DJR5 30,CJM470	GJ-IS-083 1-12121-046 1-12121-028	6	1 2 0	125 125 125	3 2.5 6	5.1 5.1 3.5	CR C CHSL-B	SGI GCI GCI
D920	9203	Truck TD11E,51, 51A, 51E, 61,70,71,71E, 75E,81E,91E Bus BU04D,10D, D15D, 20D, 35D,BU04DP, 110DP,15DP	GJ-IS-084 9-12181-115-0 12121-021 9-12181-108-0	6	1 2 3 0	125 125 125 125	3 3 3 6	5.1 5.2 5.2 3.8	CR C N CHSL-B	SGI GCI GCI GCI
D920-1	9203	20DP,35DP	GJ-IS-085 9-12181-137-0	6	1 2 0	125 125 125	3 2.5 6	5.1 5.1 3.8	CR C CHSL-B	SGI SGI GCI



GRIINDTECH

PISTON RINGS

E110	11044	Truck TM05E,15E,5 5ZED, 65,65D,65ZD, 85E, 95E, TG55E, 75D Bus BU 05E,10E, 15E,20E Tractor TD35E	GJ-IS-086 9-12181-153-0 12121-022 9-12181-143-0	6	1 2 3 0	125 125 125 125	3 3 3 6	5.1 5.2 5.2 3.8	CR C N CHSL-B	SGI GCI GCI GCI
GWA1-7C	12068	GIGA	GJ-IS-087 1-12121-117-0 1 st =Keystone	6	1 2 3 0	132.9 132.9 132.9 132.9	4.306 3 3 5	5.2 5.2 5.5 3.8	CRFK C N CHSL-B	SGI SGI GCI GCI
E120	12023	Truck SPR520, SPG470D, SPG540,650, 720,580, TMK48Z,67Z, 68,78 SPM450D,550 ,650,710, SPD440D,450, 580,480, 650,SPK650, 710	GJ-IS-088 9-12181-149-0 1-12121-023-0 9-12181-144-0 9-12181-144-1	6	1 2 3 0	135 135 135 135	4 2.5 2.5 7	5.3 5.5 5.5 4.1	CR C N CHSL-B	SGI GCI GCI GCI
E120 NEW	12023	Truck VPR290, VPZ440, TDK46, VPZ490, SPM701,710, SPZ,451 Bus 30KP, 35KP, BU4K, 10K, 15K,20K, 35KBU04KP, 10KP,15KP, 20KP,35KP	GJ-IS-089 1-12181-022-0 1-12181-034-0 1-12181-024- 0/CYL 1-12121-015- 0/CYL.	6	1 2 0	135 135 135	4 2.5 7	5.5 5.5 4.1	CR C CHSL-B	SGI GCI GCI
GRA1,2 GRB1,2	12023 13741	Truck SHM,CXM	GJ-IS-090 1-12121-037 1-12121-040	6	1 2 0	135 135 135	4 2.5 5	5.5 5.5 4.2	CR C CHSL-B	SGI GCI GCI
GRBX	13741	Truck CXM10 75ton L320PS	GJ-IS-091 1-12121-078-2	6	1 2 0	135 135 135	4 2.5 5	5.5 5.5 4.2	CR C CHSL-B	SGI SGI GCI



GRIIND TECH

PISTON RINGS

8MA1	16513	Truck SWG590,VW Z430,K VWR340	GJ-IS-092 1-12121-018-0	8	1 2 0	145 145 145	4 3 6	5.9 5.9 2.9	CR C CHSL-B	SGI SGI GCI
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MITSUBISHI

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)				Specification / Ring Type	Material
					Position	D (dia)	B (Thickness)	T (Depth)		
ME21,24	359	Minica- ME21,24 LT23,25,30, 30V, LA21,A10DV	GJ-MI-001 MD018908 1 st = Half Keystone	2	1	62	2.5	2.8	CRHK CR CR	GCI GCI GCI
					2	62	2.5	2.4		
					3	62	2.5	2.8		
2G10 2G10-2	359	Minica- 2G-10-2 A101,T131, 131V	GJ-MI-002 MT205535 1 st = Half Keystone	2	1	62	2.5	2.6	CRFK CR CR	SGI GCI GCI
					2	62	2.5	2.8		
					3	62	2.5	2.8		
2G21	359	Minica-2G,21 A103,102	GJ-MI-003 MD016765	2	1	62	1.5	2.8	CR C TPOR	GCI GCI S
					2	62	1.5	2.8		
					0	62	2.5	3.2		
2G22	471	Minica-2G,22	GJ-MI-004 MD019470	2	1	65	1.5	2.8	CR C TPOR	GCI GCI S
					2	65	1.5	2.8		
					0	65	2.5	2.8		
3G82	660	Minica	GJ-MI-005 MD120081	3	1	65	1.5	2.3	CR C TPOR	S GCI S
					2	65	1.5	2.9		
					0	65	2.8	2.5		
3G83	660	Minica E-22,H22A, V-H22V, V-U41T,41V, V-U42T	GJ-MI-006 MD160195	3	1	65	1.2	2.3	CR C TPOR	S GCI S
					2	65	1.2	2.9		
					0	65	2.8	2.5		



GRIIND TECH

PISTON RINGS

4G11	1244	Lancer Colt A151A, A155A,A17A	GJ-MI-007 MD030350 MD031670	4	1 2 0	69.5 69.5 69.5	1.5 1.5 4	3.1 3.1 3.1	CR C TPOR	GCI GCI S
2G23	550	Minica 55 Mini Cab Wide 55	GJ-MI-008 MD019610	2	1 2 0	70 70 70	1.5 1.5 2.5	3.1 3.1 2.8	CR C TPOR	GCI GCI S
2G23	550	Minica 55 Mini Cab Wide 55	GJ-MI-009 MD011965	2	1 2 0	70 70 70	1.5 1.5 2.5	2.9 3.1 2.9	CR C TPOR	S GCI S
4G42	1200	Lancer 1200 Colt 1200 A71,71V, H-71V	GJ-MI-010 MD010850	4	1 2 0	71 71 71	2 2 4	3.3 3.3 3.4	CR C TPOR	SGI GCI S
G13-H	1298	Lancer	GJ-MI-011 MD074687 MD078543	4	1 2 0	71 71 71	1.5 1.5 4	3.1 3.1 3.4	CR C TPOR	GCI GCI S
G13-H New	1298	Mirage,Lancer	GJ-MI-012 MD074687 MD078543 MD115490	4	1 2 0	71 71 71	1.5 1.5 4	3.1 3.1 3.4	CR C TPOR	GCI GCI S
4G13 New	1298	Lancer	GJ-MI-013 MD158908		1 2 0	71 71 71	1.2 1.5 3	2.6 3.1 2.8	CR C TPOR	S GCI S
4G17		Mirage Colt	GJ-MI-014 MD165325	4	1 2 0	72.2 72.2 72.2	1.2 1.5 3	2.5 3.1 2.8	CR C TPOR	S GCI S
4G30 4G33 Old	1289	Colt-Galant A51,51H,51V Colt-Lancer A72,72V,B- A72,H-A72V Colt-Galant A62-55C	GJ-MI-015 MD000770	4	1 2 0	73 73 73	2 2 4	3.3 3.3 3.3	CR C TPOR	GCI GCI S
4G33 New	1439	Lancer	GJ-MI-016 MD009625 MD034010 MD115500	4	1 2 0	73 73 73	1.5 1.5 4	3.3 3.3 3.1	CR C TPOR	GCI GCI S
GG34	1994	Colt-Galant A57C,115A, 115H,CH57C, C-A115A Debonair 31	GJ-MI-017 MD662060	6	1 2 0	73 73 73	2 2 4	3.2 3.2 3.1	CR C TPOR	GCI GCI S



GRIIND TECH

PISTON RINGS

4G12B	1410	Mirage 12H,12U,12T	GJ-MI-018 MD030355 MD031700 MD012025 MD012035	4	1 2 0	74 74 74	1.5 1.5 4	3.3 3.3 3.3	CR C TPOR	GCI GCI S
4G31	1499	Colt-Galant- A2 A52,52H,52V	GJ-MI-019 MD002770	4	1 2 0	74.5 74.5 74.5	2 2 4	3.3 3.3 3.3	CR C TPOR	SGI GCI S
4G31B	1500	Mirage C18A Hyundai 23433-31500	GJ-MI-020 MD107368	4	1 2 0	74.5 74.5 74.5	1.5 1.5 4	3.1 3.3 3.1	CR C TPOR	S GCI S
G15B, G15H, G15C	1468	C12A C52A C62A	GJ-MI-021 MD074725 MD078548 MD104656	4	1 2 0	75.5 75.5 75.5	1.5 1.5 4	3.3 3.3 3.1	CR C TPOR	GCI GCI S
4G15 New	1468	Lancer, Mirage	GJ-MI-022	4	1 2 0	75.5 75.5 75.5	1.2 1.5 3	2.8 3.3 2.8	CR C TPOR	S GCI S
4G15 New	1468	Lancer, Mirage R-CB2V	GJ-MI-023 MD158549	4	1 2 0	75.5 75.5 75.5	1.2 1.5 3	2.8 3.3 2.8	CR C TPOR	S GCI S
2G24	548	MINICA	GJ-MI-024 MD018280	2	1 2 0	76 76 76	1.5 1.5 2.5	3.2 3.3 2.9	CR C TPOR	S GCI S
4G41	1378	Galant Delica A61,T120C, 120W,H-T120	GJ-MI-025 MD010715 MD011893 MD010710	4	1 2 0	76.5 76.5 76.5	2 2 4	3.5 3.5 3.7	CR C TPOR	GCI GCI S
4G32	1597	Colt-Galant A53,53C,53V, 53H, 112A, 112C,BA112A 112H,112V Colt-Lancer A73,63,B-A73	GJ-MI-026 MD004709 MD106741 MD004739 MD008105 MD000725 MD005885 MD004770	4	1 2 0	76.9 76.9 76.9	2 2 4	3.5 3.5 3.1	CR C TPOR	SGI GCI S
4G32-T	1597	Cordially, A161A	GJ-MI-027 MD012765 MD062387 MD099430 MD093337	4	1 2 0	76.9 76.9 76.9	1.5 1.5 4	3.3 3.4 3.6	CR C TPOR	S GCI S
2G25	660	MINICA	GJ-MI-028 MD083152	2	1 2 0	78 78 78	1.5 1.5 2.5	3.2 3.3 2.9	CR C TPOR	S GCI S
4G91	1496	Mirage	GJ-MI-029 MD177113	4	1 2 0	78.4 78.4 78.4	1.2 1.2 2.8	3.1 3.3 2.6	CR C TPOR	S GCI S



GRIIND TECH

PISTON RINGS

4G35	1686	Galant-GTO	GJ-MI-030 MD004870	4	1 2 0	79 79 79	2 2 4	3.4 3.6 3.4	CR C TPOR	SGI GCI S
JH4	2199	Jeep	GJ-MI-031 J 809045	4	1 2 0	79.38 79.38 79.38	2.375 2.375 4.74	3.5 3.5 3.5	CR C TPOR	GCI GCI S
4G62	1795	Galant ∑ Lancer A162,A175	GJ-MI-032 MD040610 MD106736	4	1 2 0	80.6 80.6 80.6	2 2 4	3.5 3.7 3.1	CR C TPOR	SGI GCI S
4G62T	1795	Galant	GJ-MI-033 MD040465	4	1 2 0	80.6 80.6 80.6	1.5 1.5 4	3.3 3.7 3.1	CR C TPOR	S GCI S
4G37	1755	Galant	GJ-MI-034 MD077113 MD106028	4	1 2 0	80.6 80.6 80.6	1.5 1.5 4	3.3 3.6 3.4	CR C TPOR	S GCI S
4G37, 4G62	1800	E-E12A	GJ-MI-035 MD154012	4	1 2 0	80.6 80.6 80.6	1.5 1.5 4	3.3 3.7 3.1	CR C TPOR	S GCI S
4G92	1600	E-CA4A	GJ-MI-036 MD173211	4	1 2 0	81 81 81	1.2 1.2 2.8	3.1 3.5 2.65	CR C TPOR	S GCI S
4G51	1855	Galant ∑ 1850	GJ-MI-037 MD023060	4	1 2 0	81 81 81	2 2 4	3.5 3.7 3.7	CR C TPOR	SGI GCI S
4G61	1595	Mirage	GJ-MI-038 MD133485 MD133495	4	1 2 0	82.3 82.3 82.3	1.2 1.5 3	3.1 3.8 2.9	CR C TPOR	S GCI S
4G52	1955	Galant ∑ 2000	GJ-MI-039 MD021070 MD027010	4	1 2 0	84 84 84	2 2 4	3.6 3.7 3.75	CR C TPOR	SGI GCI S
KE47	2315	Canter	GJ-MI-040 MD014866 MD013930	4	1 2 0	85 85 85	2.37 2.37 4.73	3.5 3.5 3.4	CR C TPOR	GCI GCI S
4G63B-T	1997	Galant ∑ Shariot Pajero	GJ-MI-041 MD105516 MD 100467	4	1 2 0	85 85 85	1.5 1.5 4	3.3 3.8 3.1	CR C TPOR	S GCI S
4G63	1197	Galant A Galant Van E-P03V, EN13W, E-N33W	GJ-MI-042 MD040640 MD041580 MD040840	4	1 2 0	85 85 85	2 2 4	3.6 3.7 3.1	CR C TPOR	SGI GCI S
4G63	1997	Galant Shariot E-N13W	GJ-MI-043 MD195810	4	1 2 0	85 85 85	1.2 1.5 2.8	3.1 3.8 2.5	CR C TPOR	S GCI S



GRINDLAYS TECH

PISTON RINGS

4G63	1997	E-N33W, E-CD9A	GJ-MI-044 MD195850	4	1 2 0	85 85 85	1.2 1.5 3	3.1 3.8 2.5	CR C TPOR	S GCI S
4G63EX	1997	E-N33W, E-CD9A	GJ-MI-045 MD133485	4	1 2 0	85 85 85	1.2 1.5 3	3.1 3.8 2.8	CR C TPOR	S GCI S
4G64B	2350	Delica wagon E-P04W	GJ-MI-046 MD085346	4	1 2 0	86.5 86.5 86.5	1.5 1.5 4	3.5 3.8 3.4	CR C TPOR	S GCI S
4G64K	2350	Delica wagon E-P04W	GJ-MI-047 MD195872	4	1 2 0	86.5 86.5 86.5	1.2 1.5 3	3.1 3.8 2.5	CR C TPOR	S GCI S
4G64	2350	Delica wagon E-P04W	GJ-MI-048 MD192815	4	1 2 0	86.5 86.5 86.5	1.2 1.5 2.8	3.1 3.8 2.5	CR C TPOR	S GCI S
4G64-S4			GJ-MI-049 MD195828	4	1 2 0	86.5 86.5 86.5	1.2 1.5 2.8	3.1 3.8 2.5	CR C TPOR	S GCI S
4G53	2384	Canter Jeep FC211 BC211,J16, J38,J56	GJ-MI-050 MD025000 MD026985	4	1 2 0	88 88 88	2 2 4	3.8 4.1 3.7	CR C TPOR	SGI GCI S
4G54	2555	Devonair Jeep	GJ-MI-051 MD026960 MD025089 MD026835 MD107818 MD027140	4	1 2 0	91.1 91.1 91.1	2 2 4	3.5 3.8 3.45	CR C TPOR	SGI GCI S
4G54	2555	Deveonair	GJ-MI-052 MD107813	4	1 2 0	91.1 91.1 91.1	2 2 4	3.3 3.8 3.1	CR C TPOR	S GCI S
4G64T 4G54T	2550	Starion	GJ-MI-053 MD061258 MD076170	4	1 2 0	91.1 91.1 91.1	1.5 1.5 4	3.6 3.8 3.4	CR C TPOR	S GCI S
6G72	2972	Devonair S12A	GJ-MI-054 MD101895 MD104922 MD104923 MD129548 MD104939 MD104940	6	1 2 0	91.1 91.1 91.1	1.5 1.5 4	3.3 3.8 3.45	CR C TPOR	S GCI S
6G72			GJ-MI-055 MD301803	6	1 2 0	91.1 91.1 91.1	1.2 1.5 3	3.3 3.8 2.8	CR C TPOR	S GCI S



GRINDLAYS TECH

PISTON RINGS

6G74	3500	Devenoir	GJ-MI-056 MD300569	6	1 2 0	93 93 93	1.5 1.5 3	3.5 3.9 2.8	CR C TPOR	S GCI S
4D65, 4D65T	1795	Mirage, Galant Colt C14A	GJ-MI-057 MD127022 MD127017 MD071206 1 ST = Half Keystone	4	1 2 0	80.6 80.6 80.6	2 2 4	3.1 3.6 2.4	CRHK C CHSL-B	S GCI SGI
4D65T	1795	Galant Mirage, Galant Colt C14A	GJ-MI-058 MD136692 MD078209 MD078309 1 ST = Half Keystone	4	1 2 0	80.6 80.6 80.6	2 2 4	3.5 3.5 2.4	CRHK CR STOR	SGI SGI S
4DQ1	1986	Bus MB720 Jupiter T720, T720D, T722	GJ-MI-059 30617-01014	4	1 2 3 0	82 82 82 82	2 2 2 4	3.6 3.6 3.6 2.8	CR C N CHSL-B	GCI GCI GCI GCI
4D68T	1998		GJ-MI-060 MD197187 1 ST , 2 ND = Half Keystone	4	1 2 0	82.7 82.7 82.7	2.0 2.0 3.0	3.1 3.5 2.0	CRHK CRHK STOR	S SGI S
4D68NA	1998	Galant RVR S-CB8V, X-CB8A, X-CB8W, X-F57A	GJ-MI-061 MD197162 1 ST = Half Keystone	4	1 2 0	82.7 82.7 82.7	2 2 3	3.5 3.9 2	CRHK CR STOR	SGI GCI S
4DQ5	2084	Canter	GJ-MI-062 30617-51011	4	1 2 0	84 84 84	2.5 2 4	3.6 3.6 3.3	CR C CHSL-B	SGI GCI SGI
4DQ5	2084	Canter	GJ-MI-063 30617-61011 1 ST = Half Keystone	4	1 2 0	84 84 84	2.5 2 4	3.6 3.6 3.3	CRHK C CHSL-B	SGI GCI GCI
4DR1	2384	Canter New	GJ-MI-064 30317-11011	4	1 2 3 0	88 88 88 88	2.5 2 2 4	3.6 3.8 3.8 3.9	CR C N CHSL-B	SGI GCI GCI SGI
4D55	2346	Galant A167 Galant Sapporo	GJ-MI-065 MD050395	4	1 2 0	91.1 91.1 91.1	2.5 2 4	3.7 3.8 2.7	CR C CHSL-B	SGI SGI GCI



GRINDLAYS TECH

PISTON RINGS

4D55-T 4D56	2346	Galant A167 L300,L038P, 68P	GJ-MI-066 MD050390 MD103391 1 st ,2 nd = Half Keystone	4	1 2 0	91.1 91.1 91.1	2.5 2 4	3.7 3.8 2.7	CRHK C CHSL-B	SGI SGI GCI
4D55-2	2346	Galant R167	GJ-MI-067 MD168293 1 st = Half Keystone	4	1 2 0	91.1 91.1 91.1	2.5 1.94 4	3.7 3.7 2.5	CRHK CR STOR	SGI SGI S
4DR52 T-1	2659	Canter	GJ-MI-068 ME996069 1 ST = Keystone	4	1 2 0	92 92 92	2.306 2 4	3.6 3.5 2.5	CRFK CR STOR	SGI SGI S
4DR-5	2659	Canter T96A,96B, 96A2,98A, 98B,98A2, 98B2,98AD, 200F,200C,20 0CP,200CT,21 0F,210C,210C D,210CT,220, FE100,120	GJ-MI-069 31617-02013 31617-05103 31617-02012 31617-05102	4	1 2 3 0	92 92 92 92	2.5 2 2 4.5	3.7 3.9 3.9 3.2	CR C N CHSL-B	SGI GCI GCI SGI
4DR-5	2659	Canter T96A,96B,98 A,98B,200C, Bus B200,210	GJ-MI-70 ME999073 1 ST = Half Keystone	4	1 2 0	92 92 92	2.5 2 4.5	3.7 3.9 3.2	CRHK C CHSL-B	SGI GCI SGI
GDR-5	3988	Jupiter T44A,44B, 44C Bus B360,BH212, 215	GJ-MI-071 31717-12013 31717-12012 1 ST = Half Keystone	6	1 2 3 0	92 92 92 92	2.5 2 2 4.5	3.7 3.9 3.9 3.2	CRHK C N CHSL-B	SGI GCI GCI SGI
S4ES	2609		GJ-MI-072 34417-02012 1 st = Half Keystone	4	1 2 0	94 94 94	2.5 2 4.5	3.9 3.9 3.2	CRHK C CHSL-B	SGI GCI GCI
S4E,S4S	2609		GJ-MI-073 34417-11011 1 st = Half Keystone	4	1 2 0	94 94 94	2.5 2 4.5	3.9 3.9 3.2	CRHK C CHSL-B	SGI GCI SGI
4DR7			GJ-MI-074 ME997256 1 st =Keystone	4	1 2 0	95 95 95	2.306 2.306 2	3.7 3.7 3.9	CRFK CR STOR	SGI GCI S



GRIIND TECH

PISTON RINGS

6DS1	4678	Truck T62D,650B, 650E, 650J,650ZD Bus MR620	GJ-MI-075 ME021376 MD020382 30617-01006	6	1 2 3 0	95 95 95 95	2.5 2 2 4.5	4.1 4.1 4.1 3	CR C N CHSL-B	SGI GCI GCI GCI
6DS3	5103	Truck T652B,652E Bus B622B	GJ-MI-076 ME023327 ME021855 1 st = Half Keystone	6	1 2 0	95 95 95	3 2 4.5	3.9 4.1 3	CRHK C CHSL-B	SGI GCI GCI
4M40	2835	Pajero FB501,FD511	GJ-MI-077 MD997894 ME202380 1 st =Keystone	4	1 2 0	95 95 95	2.3 2 4	3.35 4 2.5	CRFK CR STOR	S SGI S
4M40	2835	Pajero	GJ-MI-078 ME202950 1 st = Keystone	4	1 2 0	95 95 95	2.306 2 4	3.3 3.7 2.4	CRFK CR STOR	S SGI S
6DS5	4978	Truck T630B,651E Bus B620B,620E,6 20BE Tractor T651ZR	GJ-MI-079 ME021856 ME021382 ME020427	6	1 2 3 0	98 98 98 98	3 2 2 5	4.2 4.2 4.2 3.3	CR C N CHSL-B	SGI GCI GCI GCI
S4E2	2960		GJ-MI-080 34417-09012 1 st = Half Keystone	4	1 2 0	98 98 98	3 2 5	4 4.2 3.5	CRHK C CHSL-B	SGI GCI GCI
6DS5	4978	Truck T630B,651E Bus B620B,620E, 620BE	GJ-MI-081 ME020427	6	1 2 3 0	98 98 98 98	3 2 2 5	4.2 4.2 4.2 3.3	CR C N CHSL-B	GCI GCI GCI GCI
6DS7	5430	Truck T653B,653BG ,663C,663ZD, FK102 Tractor T653ZR Bus B623B,623E	GJ-MI-082 ME024409 ME023333 ME021861 1 st = Half Keystone	6	1 2 0	98 98 98	3 2 5	4 4.2 3.3	CRHK C CHSL-B	SGI GCI GCI
4D30	3298	Truck Canter Bus BE211	GJ-MI-083 ME012070 ME012010 1 st =Keystone	4	1 2 0	100 100 100	3 2 5	4 4.2 3.5	CRFK C CHSL-B	SGI GCI GCI



GRINDLAYS TECH

PISTON RINGS

4D31T	3298	Truck FE434 Canter	GJ-MI-084 ME997396 ME997398 ME999783 ME012848 1 st = Half Keystone	4	1 2 0	100 100 100	3 2 4	4 4.2 2.5	CRHK CR STOR	SGI GCI S
4D31T	3298	Truck FE434 Canter	GJ-MI-085 ME997396 ME997398 ME999783 ME012848 1 st = Half Keystone	4	1 2 0	100 100 100	3 2 4	4 4 2.5	CRHK CR STOR	SGI GCI S
6D31A	4948	Truck FK330	GJ-MI-086 ME999836 1 st = Half Keystone	6	1 2 0	100 100 100	3 2 4	4 4.2 2.5	CRHK CR STOR	SGI GCI S
6D31T	4948	Truck FK330,FE434	GJ-MI-087 ME997458 1 st = Half Keystone	6	1 2 0	100 100 100	3 2 4	4 4 2.5	CRHK CR STOR	SGI SGI S
6D31T	4948	Truck FK330,FE434	GJ-MI-088 1 st = Half Keystone	6	1 2 0	100 100 100	3 2 4	4 4 2.5	CRHK C CHSL-B	SGI SGI GCI
6D31T	4948	Truck FK330	GJ-MI-089 ME 999717 1 st = Half Keystone	6	1 2 0	100 100 100	3 2 5	4 4.2 3.5	CRHK C CHSL-B	SGI GCI GCI
S6KT	6380	34317-19010 1 st = Half Keystone	GJ-MI-090	6	1 2 0	102 102 102	3 2 4	4 4.2 2.8	CRHK CR STOR	SGI SGI S
		1 st = Half Keystone			1 2 0	102 102 102	3 2 4	4 4 2.8	CRHK CR STOR	SGI SGI S
4D34	3907	Truck FE 439	GJ-MI-091 ME997237	4	1 2 0	104 104 104	3 2 4	4.1 4.2 2.5	CR CR STOR	SGI GCI S
4D34T	3907	Truck BE449,459, FE439	GJ-MI-092 ME997240 1 st =Keystone	4	1 2 0	104 104 104	2.806 2 4	4.1 4.2 2.5	CRFK CR STOR	SGI GCI S
		Truck FE305,315, 435	GJ-MI-093 ME999243 1 st = Half Keystone		1 2 0	104 104 104	3 2 4	4.1 4.2 3.2	CRHK C CHSL-B	SGI GCI SGI



GRIIND TIECHI

PISTON RINGS

4D32	3567		GJ-MI-094 ME99923/Cyl. 1 st = Half Keystone	4	1	104	3	4.1	CRHK	SGI
			2		104	2	4.2	CR	GCI	
			0		104	4	3.2	STOR	S	
			GJ-MI-095 ME997318 1 st = Half Keystone		1	104	3	4.1	CRHK	SGI
			2		104	2	4.2	CR	GCI	
0	104	4	3.2	STOR	S					
		GJ-MI-096 ME997318/cyl. 1 st = Half Keystone		1	104	3	4.1	CRHK	SGI	
				2	104	2	4.2	CR	GCI	
				0	104	4	2.5	STOR	S	
		GJ-MI-097 ME999641 1 st = Half Keystone		1	104	3	4.1	CRHK	SGI	
				2	104	2	4.2	C	GCI	
				0	104	4	3.2	CHSL-B	SGI	
		GJ-MI-098 1 st = Half Keystone		1	104	3	4.1	CRHK	SGI	
				2	104	2	4.2	C	GCI	
				0	104	4	3.2	CHSL-B	SGI	
6D34T			GJ-MI-099 ME996442 1 st = Half Keystone	6	1	104	2.8	4.1	CRHK	SGI
					2	104	2	4.2	CR	GCI
					0	104	4	2.5	STOR	S
6D10,11	6754	Truck T654B, T654ZR, FK10-3, KK103 Bus MK103H,MM 504H	GJ-MI-100 ME032190 ME032326 1 st = Half Keystone	6	1	105	3	4.2	CRHK	SGI
					2	105	2	4.4	C	GCI
					0	105	5	3.5	CHSL-B	SGI
4D33	4214	Truck FE437,447	GJ-MI-101 ME999871	4	1	108	3	4.3	CR	SGI
					2	108	2	4.4	C	SGI
					0	108	4	2.5	CHSL-B	GCI
			GJ-MI-102 ME996378		1	108	3	4.3	CR	SGI
					2	108	2	4.4	CR	GCI
					0	108	4	2.5	STOR	S
			GJ-MI-103 ME996378		1	108	3	4.3	CR	SGI
					2	108	2	4.4	CR	GCI
					0	108	4	2.5	STOR	S
4D35	4561	Canter FE538,FE638	GJ-MI-104 ME996628	4	1	110	3	4.3	CR	SGI
					2	110	2.5	4.4	CR	GCI
					0	110	4	3	STOR	S



GRIIND TECH

PISTON RINGS

DB31	8550	Truck T32,33,52,320, 330,330T,330 D,335T,335D, 335,350,370, 370D,380,385, W11D,AT33,3 30,330T Bus R470,480, MR440,470, 480,490, MAR440,470, 480,490,B360, 370,380	GJ-MI-105 30017-02002	6	1 2 3 0 0	110 110 110 110 110	4 4 4 5 5	4 4 4 4.2 4.2	CR C N CHSL-B SOR	SGI GCI GCI GCI GCI
DB34	8550	Truck T340,390 Bus R470,480, AR470,480, MR430,440, 480,490, MAR440,470, 480	GJ-MI-106 30017-31004	6	1 2 3 0 0	110 110 110 110 110	2.5 2.5 2.5 4.5 4.5	4.7 4.7 4.7 4.7 4.7	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
6DB	8550	Truck T416,486,410 D,331,337D Bus B820J,MR520, 410,470,450, MAR410,470	GJ-MI-107 30017-75003 30017-71003 30017-75002 30017-73002	6	1 2 3 0	110 110 110 110	3.5 2.5 2.5 5	4.4 4.7 4.7 3.8	CR C N CHSL-B	SGI GCI GCI SGI
6D14	6557	Truck FK115F,115H, 115J, 115K, T656ZR,FK11 5DR, FM215, FK115 Bus MK115H, MK115, MM115,515	GJ-MI-108 ME032458 ME032260 ME032404 ME032071 1 st = Half Keystone	6	1 2 0	110 110 110	3 2.5 5	4.3 4.4 3.8	CRHK C CHSL-B	SGI GCI GCI
6D14T	6557	Truck FK615,FK415, 515	GJ-MI-109 ME997423 ME997439 1 st = Half Keystone	6	1 2 0	110 110 110	3 2.5 5	4.3 4.2 3.8	CRHK C CHSL-B	SGI SGI SGI
6D14 New	6557	Truck FK615	GJ-MI-110 ME033904 1 st = Half Keystone	6	1 2 0	110 110 110	3 2.5 5	4.3 4.4 3.8	CRHK C CHSL-B	SGI GCI SGI



GRINDLAYS TECH

PISTON RINGS

6D14	6557	Truck FK615	GJ-MI-111 ME999952	6	1 2 0	110 110 110	3 2.5 4	4.3 4.4 3	CR CR STOR	SGI GCI S
6D14T	6557	Bus MK115,115H, MM115,515	GJ-MI-112 ME997465 1 st =Keystone	6	1 2 0	110 110 110	2.8 2.5 4	4.3 4.4 3	CRFK CR STOR	SGI SGI S
6D15	6919	Truck FK116,216,F M316, M116,516	GJ-MI-113 ME072306 ME032403 1 st = Half Keystone	6	1 2 0	113 113 113	3 2.5 5	4.3 4.4 3.8	CRHK C CHSL-B	SGI GCI GCI
6D15T	6919	Truck FK116,216,F M316, M116,516	GJ-MI-114 ME999954 ME999929 ME997466 ME997456 1 st =Keystone	6	1 2 0	113 113 113	3 2.5 5	4.3 4.4 3.8	CRFK CR STOR	SGI GCI S
8DV			GJ-MI-115 85017-0300	8	1 2 3 0	115 115 115 115	3 3 3 5	4.3 4.3 4.3 3.4	CR C N CHSL-B	GCI GCI GCI SGI
6D16	7545	Fighter Truck FK617A, FK618	GJ-MI-116 ME999955 ME999540	6	1 2 0	118 118 118	3 2.5 4	4.6 4.6 3	CR C CHSL-B	SGI GCI GCI
6D16	7545	Truck FK617A	GJ-MI-117 ME047030 1 st =Keystone	6	1 2 0	118 118 118	2.806 2.5 4	4.6 4.6 3	CRFK C CHSL-B	SGI GCI GCI
6D16T	7545	Truck Fighter FK617A, FK618	GJ-MI-118 ME997467 1 st =Keystone	6	1 2 0	118 118 118	2.806 2.5 4	4.6 4.6 3	CRFK CR STOR	SGI GCI S
6D16T			GJ-MI-119 ME996591 1 st =Keystone	6	1 2 0	118 118 118	2.8 2.5 4	3.9 4.6 2.95	CRFK CR STOR	S GCI S
S4BB2			GJ-MI-120 36317-01040 1 st = Half Keystone	1	1 2 0	122 122 122	4 3 5	4.7 5 3	CRHK CR STOR	SGI GCI S



GRIIND TECH

PISTON RINGS

6D20,21	10308	Truck NP117JD,FP1 17FD,FD217R K202, FP117, KI202 Bus MP117H, MP517, MP117,517	GJ-MI-121 30917-01012 1 st = Half Keystone	6	1 2 0	125 125 125	4 3 6	5 5.3 4	CRHK C CHSL-B	SGI GCI GCI
6D20,21	10308	Truck NP117JD, FP117FD, FD217R,K202 FP117,K202 Bus MP117H, MP517, MP117,517	GJ-MI-122 ME052145 1 st = Keystone	6	1 2 0	125 125 125	3.306 3 6	5.4 5.3 4	CRFK C CHSL-B	SGI GCI SGI
6D21	10308	Truck MP107	GJ-MI-123 ME052260	6	1 2 0	125 125 125	3 3 6	5.2 5.3 4	CR C CHSL-B	SGI GCI SGI
6D22	11149	Truck FP308, MP118, MP518	GJ-MI-124 30917-20010 ME052124 1 st =Keystone	6	1 2 0	130 130 130	3.306 3 6	5.4 5.4 4	CRFK C CHSL-B	SGI GCI GCI
6D22	11149	Truck FP308, MP118, MP518	GJ-MI-125 ME052889 1 st =Keystone	6	1 2 0	130 130 130	3.306 3 4	5.4 5.3 2.8	CRFK C CHSL-B	SGI SGI SGI
6D22	11149	Truck FP308 MP118, MP518	GJ-MI-126 ME052893 1 st =Keystone	6	1 2 0	130 130 130	3.306 3 4	5.4 5.3 2.5	CRFK CR STOR	SGI SGI S
8DC4G	11149	Truck T931,T881, T910, FT102,FV112 Bus B801,B901	GJ-MI-127 ME062298 1 st =Keystone	8	1 2 0	130 130 130	3.306 3 6	5.4 5.3 4	CRFK C CHSL-B	SGI GCI GCI
6DC2	9955	Truck T800GD,810J T,T920J, FP101FD,W81 81D, FP210R, FP101DR Bus B820J,B800J, 800K, 800L, B800N,905N, 805NA,B805L	GJ-MI-128 31117-02010 ME062117 31117-70010 1 st = Half Keystone	6	1 2 0	130 130 130	4 3 6	5 5.3 4	CRHK C CHSL-B	SGI GCI GCI



GRIINDITECH

PISTON RINGS

8DC2,4,7	13273	Truck T811P,901FD, 936D,956JD, FT102HD,F10 2JD,FV102JD, T811BR,811Z R,FP112M, T902FD, FT102N,202S, FU112N,212R FV112JD, FP102DR,FV1 02HR,FV112 HR,W112,150, 250,400, NV112KD, HV119KD, FT102,212S, 911N,FU102N 119N,FV119D FP102DR,112 DR,T901CR, FV113HR,NV 113JR,NW112 KR, KI252, FQ112H,FS11 9S,FT112, FU7112,212, FV119,FU119, FU123,FV119, FT119,112, FQ112,FV112, NV112,FV313 Bus B806K,L,N, B905N,NA, B805N,NA, MS512N,512 NA,MS512	GJ-MI-129 ME062117 31217-02010 ME062109 1 st = Half Keystone	8	1 2 0	130 130 130	4 3 6	5 5.3 4	CRHK C CHSL-B	SGI GCI GCI
6D22	11149	Truck FP313,MP118, 518	GJ-MI-130 ME052758	6	1 2 0	130 130 130	3 3 6	5.2 5.4 4	CR C CHSL-B	SGI GCI GCI
SGB	12880		GJ-MI-131 36217-14010 1 st - Half Keystone	1	1 2 0	132.9 132.9 132.9	4.07 3 6	4.9 5.4 4		
8DC6,8	14886		GJ-MI-132 1 ST = Rectangular	8	1 2 0	135 135 135	4 3 6	5 5.7 4	CR C CHSL-B	SGI GCI GCI



GRINDLAYS

PISTON RINGS

8DC6,8	14886	Truck T902FD,906F D,916FD, FT103HD,FT1 13HD, FU103JD,FV1 03JD,113JD, T812ZSR,T81 6ZR,T902CR, 930CR,932DR FT102N,203S, FT113N,213S, FU103N,203R 113N,213R, FV113JD, FP103FR,T90 2CR,FV113, FV103HR,113 JR,NW113KR, FW123M,FT1 13RP,K400, FV113,FW123 FT113RP, K400, FV13,FW123, FP113,FT113, FV313,FR113 Bus B907N,NZ, SA,S MS513,613	GJ-MI-133 ME062086 31217-60012 1 st - Half Keystone	8	1 2 0	135 135 135	4.07 3 6	5 5.5 4	CRHK C CHSL-B	SGI GCI SGI
10DC6,8	18608	Truck T813AR, FP204DR, NW304JR, FT204R, FT214R, FV214JR, NW204JR, FV214, FP214DR, FP214 Bus MS504R, MS504	GJ-MI-134 ME062113 31917-60012 1 st - Half Keystone	10	1 2 0	135 135 135	4.07 3 6	5 5.5 4	CRHK C CHSL-B	SGI GCI SGI
12DC		Bus B906R	GJ-MI-135 ME062125 1 st = Half Keystone	12	1 2 0	135 135 135	4.07 3 6	5 5.5 4	CRHK C CHSL-B	SGI GCI SGI



GRINDLAYS

PISTON RINGS

8DC81	14886	FT,FJ,FV	GJ-MI-136 ME062246 ME065684 ME062022 1 st =Keystone	8	1 2 0	135 135 135	3.306 3 6	5.4 5.5 4	CRFK C CHSL-B	SGI GCI SGI
8DC8A	14886	Truck F413(T,U,V,P)	GJ-MI-137 ME090574 1 st =Keystone	8	1 2 0	135 135 135	3.306 3 4	5.4 5.5 3	CRFK CR STOR	SGI GCI S
8DC-9	16031		GJ-MI-138 ME065680 ME092392 ME997826 1 st =Keystone	8	1 2 3 0	135 135 135 135	3.306 3 3 6	5.4 5.5 5.5 4	CRFK C N CHSL-B	SGI GCI GCI
8DC9(9T)	16031	Tractor FP215,FV215	GJ-MI-139 ME062230 ME062018 1 ST - KEYSTONE	8	1 2 3 0	135 135 135 135	3.306 3 3 6	5.4 5.5 5.5 4	CRFK C CHSL-B	SGI GCI SGI
8DC9(9T)	16031	Truck FT315,FV315, FU315, FS313,FP315, FW125 Bus MS615	GJ-MI-140 ME062090 1 st =Keystone	8	1 2 3 0	135 135 135 135	4.07 3 3 6	5 5.5 5.5 4	CRFK C N CHSL-B	SGI GCI GCI SGI
8DC9T	16031	Truck FT315,FV315, FU315, FS313,FP315, FW125 Bus MS615	GJ-MI-141 ME090578 1 st =Keystone	8	1 2 3 0	135 135 135 135	3.306 3 3 4	5.4 5.5 5.5 3	CRFK CR N STOR	SGI GCI GCI S
S6B	12880		GJ-MI-142 36217-17010 36217- 11010/Cyl. 1 st = Half Keystone	6	1 2 0	135 135 135	4.07 3 6	5 5.5 4	CRHK C CHSL-B	SGI GCI SGI
S6B3	14600		GJ-MI-143 34A17- 01010/Cyl. 1 st =Keystone	6	1 2 0	135 135 135	4 3 4	5 5.5 3	CRFK CR STOR	SGI GCI S
6DH135			GJ-MI-144 32317-03002	6	1 2 0	135 135 135	4 2.5 6	5.3 5.5 4	CR C CHSL-B	SGI GCI SGI
12DH			GJ-MI-145 32017-03001	12	1 2 0	135 135 135	4 2.5 6	5.3 5.5 4	CR C CHSL-B	SGI GCI SGI



GRIIND TECH

PISTON RINGS

8DC10	16752	F416 (S,T,U,V,P)	GJ-MI-146 ME065717 ME999510 1 st =Keystone	8	1 2 3 0	138 138 138 138	3.306 3 3 6	5.5 5.6 5.6 4	CRFK C N CHSL-B	SGI GCI GCI GCI
8DC11A	17737	F419(P,U,V)	GJ-MI-147 ME090582 ME997030 1 st =Keystone	8	1 2 3 0	138 138 138 138	3.306 3 3 4	5.5 5.6 5.6 3	CRFK CR N STOR	SGI GCI GCI S
8DC11A			GJ-MI-148 42007- 09001/Cyl.		1 2 0 0	140 140 140 140	4 4 6 6	5.4 5.4 5.4 5.4	CR C CHSL-B SOR	GCI GCI GCI GCI
8DC11	16752	KS,FUSO KC-FV	GJ-MI-149 M3065607 1 st =Keystone	8	1 2 3 0	142 142 142 142	3.306 3 3 5	5.6 5.8 5.8 4	CRFK C N CHSL-B	SGI GCI GCI SGI
8DC11	16752	KS-FUSO KC-FV	GJ-MI-150 ME090586 ME999990 1 st =Keystone	8	1 2 3 0	142 142 142 142	3.306 3 3 4	5.6 5.8 5.8 3	CRFK CR N STOR	SGI GCI GCI S
S6AF S8AF S12AF			GJ-MI-151 32717- 07010/Cyl. (6Cyl.8cyl.12cy l.) 1 st = Half Keystone		1 2 0	142.9 142.9 142.9	4.43 2.95 6	5.9 5.7 4	CRHK CR STOR	SGI GCI SGI
SGA			GJ-MI-152 32517-11010	6	1 2 0	145 145 145	4.5 3 6	5.8 5.8 4.3	CR C CHSL-B	SGI GCI GCI
S8A S12A	21140 33930		GJ-MI-153 32517- 33010/Cyl. 32517- 34010/Cyl. (8Cyl.12Cyl.) 1 st = Half Keystone		1 2 0	145 145 145	4.45 2.95 6	6 5.8 4.1	CRHK CR CR	SGI GCI SGI
S6DE			GJ-MI-154 33417-00010	6	1 2 0	150 150 150	4.5 3 6	6 6 4.5	CR C CHSL-B	SGI GCI GCI



GRINDLAYS

PISTON RINGS

S6A S12A	18560 33930		GJ-MI-155 32517- 07010/Cyl. (6cyl.12cyl.) 1 st = Half Keystone		1 2 0	150 150 150	4.43 2.95 6	6.2 6 4.2	CRHK CR CR	SGI GCI SGI
S6A			GJ-MI-156 32517- 17010/Cyl. 1 st ,2 nd = Half Keystone	6	1 2 0	150 150 150	4.43 2.95 6	6.2 6 3.3	CRFK C CHSL-B	SGI GCI SGI



NISSAN

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)				Specification / Ring Type	Material
					Position	D (dia)	B (Thickness)	T (Depth)		
MA10 MA10ET	987	March	GJ-NI-001 12033-01B10	4	1	68	1.5	2.5	CR C TPOR	S GCI S
					2	68	1.5	3.1		
					0	68	2.8	3		
CG10, CG13	1000 1300	March E-HK11,K11	GJ-NI-002 12033-72Y00	4	1	71	1.5	2.6	CR C TPOR	S GCI S
					2	71	1.5	3.1		
					0	71	2.8	2.8		
GA13DS	1300		GJ-NI-003 12033-50Y00	4	1	71	1.5	3.1	CR C TPOR	SGI GCI S
					2	71	1.5	3.1		
					0	71	2.8	2.8		



GRINDLAYS TECH

PISTON RINGS

10,A12 A13,F1, JC	1171	Bluebird P411, Truck 520,521,V521,U5 21,620, G620,A321, VA31,SA321,UA 321, KA321, KPA321 Bus, GKA321 Sunny 1200 B10,KB10, KC20,VB10, B20 Bus, GKA321 Sunny 1200 B 10, KB10, KC20,VB10, B20 Sunny Truck VB10,B120 Cherry PE10,KPE10,F10, KF10,VP10VF10, BF11, A- KPOC20D, H-VF10, H-PC20S, VPC20S Bluebird 1200 P410,WP410 TruckAD320,A32 0,SA320, UA320, KA320, VA320	GJ-NI-004 12033-H6200 12033-B3040 12033-A6200 12033-H6201	4	1 2 0	73 73 73	1.984 1.984 3.967	3 3 3	CR C TPOR	SGI GCI S
J120	1973	Cedric P130,WP130,VP1 30	GJ-NI-005 12033-73004	6	1 2 0	73 73 73	1.984 1.984 3.967	3 3 3	CR C TPOR	SGI GCI S
E10S	1000	Sunny P130,VP130,WP1 30	GJ-NI-006 12033-41M02 12033-41M01	4	1 2 0	73 73 73	1.5 1.5 4	3 3 3.1	CR C TPOR	SGI GCI S
GA14S	1400	AD Ban R-VY10, VFY10	GJ-NI-007 12033-87A00	4	1 2 0	73.6 73.6 73.6	1.5 1.5 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
GA15DS	1500	AD Ban R-VY10, VF610	GJ-NI-008 12033-53Y00	4	1 2 0	73.6 73.6 73.6	1.5 1.5 2.8	2.8 3.2 2.8	CR C TPOR	SGI GCI S
G1	1484	Skyline A41,50,51 Truck 430,442,640	GJ-NI-009 97011-0116P	4	1 2 0	75 75 75	2.4 2.4 4	3.75 3.75 3.5	CR C CHSL-B	GCI GCI GCI



GRINDLAYS TECH

PISTON RINGS

G7	1988	Skyline 54 Truck 41,43,PA30,VPA 30	GJ-NI-010 97011-0701P	6	1 2 0	75 75 75	2.4 2.4 4	3.75 3.75 3.5	CR C CHSL-B	GCI GCI GCI
A12A	1171	Sunny YN-KNN10 Pulsar	GJ-NI-011 12033-H8500	4	1 2 0	75 75 75	2 2 4	3.2 3.2 3.1	CR C TPOR	SGI GCI S
A14	1397	Sunny B-KA10,H-VA10, B-A10,B- KHB211, B-HB211,B- KPF11 Violet H-VHB210, HN10, VHB310,311,A- 11, VHN10,11, HB-310, VYT-10,PC, PCG121, WHB310	GJ-NI-012 12033-H8900 12033-H7200 12033-H9910 12033-H8660	4	1 2 0	76 76 76	2 2 4	3.2 3.4 3.4	CR C TPOR	SGI GCI S
A14,A15	1397	Sunny Pulsar	GJ-NI-013 12033-H9800 12033-H9810 12033-H7680 12033-H9915 12033-H9918	4	1 2 0	76 76 76	1.2 2 4	3.1 3.4 3.4	CR C TPOR	S GCI S
A15	1397	Sunny Pulsar	GJ-NI-014 12033-H9820	4	1 2 0	76 76 76	1.2 2 4	3.1 3.4 3.2	CR C TPOR	S GCI S
E13,E13S E15,E15S	1270 1487	Pulsar Sunny Pulsar AD Van Sunny AD Van Datsun AD Van Sunny C California Laurel Spirit AD Van	GJ-NI-015 12033-01M02 12033-01M01 12033-01M12 12033-01M10	4	1 2 0	76 76 76	1.5 1.5 4	3.2 3.4 3.4	CR C TPOR	SGI GCI S
E13 E15	1300 1500	Sunny Pulsar	GJ-NI-016 12033-01M03	4	1 2 0	76 76 76	1.5 1.5 4	2.8 3.4 3.2	CR C TPOR	S GCI S
E13 E15	1300 1500	Sunny Pulsar	GJ-NI-017 12033-01M04 12033-17M00 12033-17M10	4	1 2 0	76 76 76	1.5 1.5 4	2.8 3.4 3.25	CR C TPOR	S GCI S



GRINDLAYS

PISTON RINGS

E15T			GJ-NI-018 12033-61A01	4	1 2 0	76 76 76	1.5 1.5 4	2.8 3.4 3.1	CR C TPOR	S GCI S
GA16S	1600	Sunny Pulsar VW10, VAJC23, EB13,KAJC23	GJ-NI-019 12033-57Y00 12033-57Y01 12033-84A11	4	1 2 0	76 76 76	1.5 1.5 2.8	3.2 3.2 2.8	CR C TPOR	SGI GCI S
GA16	1600	Sunny Pulsar VW10, VAJC23, EB13,KAJC23	GJ-NI-020 12033-94M00 12033-94M01 12033-94M02	4	1 2 0	76 76 76	1.5 1.5 2.8	2.8 3.4 2.8	CR C TPOR	S GCI S
VD20DE			GJ-NI-021 12033-31U00	6	1 2 0	76 76 76	1.2 1.2 2.5	2.8 3.2 3.1	CR C TPOR	S GCI S
J15,J16	1567	Caravan Datsun Truck N521,G521, UN521 VN521 Bus SVE20, H-VSE20, VHT20 Bus VE20,HE20, KT20,GKE20	GJ-NI-022 12033-01W60 12033-B3030 12033-01W61 12033-01W62 12033-01W62 12033-B8200	4	1 2 0	77.95 77.95 77.95	2 2 4	3.7 3.7 3.4	CR C TPOR	SGI GCI S
L20ET	1998	Skyline	GJ-NI-023 12033-V0310 12033-V0300 12033-E3030 12033-V0400	6	1 2 0	77.95 77.95 77.95	2 2 4	3.7 3.7 3.4	CR C TPOR	SGI GCI S
L20A	1998		GJ-NI-024 12033-73402	6	1 2 0	77.95 77.95 77.95	2 2.5 4	3.6 3.7 3.4	CR C TPOR	SGI GCI S



GRINDLAYS TECH

PISTON RINGS

L20A	1998	Cedric H130,WH130,VH 130, K230, W230, V230, K330, L330,HV330 Blue Bird C-RG810, KG610,G610 Gloria HA30,VHA30 Skyline 2000GT GC10,GC110,AG C110,KGC110,K PC110,WPC110, KGC10 Fairlady-Z S30,PS30, SG30, A-S30,AG610, KG610, CRG810	GJ-NI-025 12033-01L00	6	1 2 0	77.95 77.95 77.95	1.5 2 4	3.3 3.6 3.4	CR C TPOR	SGI GCI S
L20A New	1998	Skyline Fairlady	GJ-NI-026 12033-Y7000 12033-Y7010 12033-Y7011	6	1 2 0	77.95 77.95 77.95	1.2 2 4	3.3 3.7 3.4	CR C TPOR	S GCI S
CA16	1598	Stanza Auster	GJ-NI-027 12033-D0400 12033-D0120 12033-06E10 12033-06E00	4	1 2 0	77.95 77.95 77.95	1.5 1.5 4	3.3 3.5 3.4	CR C TPOR	SGI GCI S
CA16	1598	Stanza Auster	GJ-NI-028 12033-55M00	4	1 2 0	77.95 77.95 77.95	1.5 1.5 2.8	2.8 3.4 2.7	CR C TPOR	S GCI S
CA16DE			GJ-NI-029 12033-64M00	4	1 2 0	77.95 77.95 77.95	1.5 1.5 2.8	2.8 3.4 2.7	CR C TPOR	S GCI S
VG20	1998	Cedric Fairlady-Z	GJ-NI-030 12033-V5310	6	1 2 0	77.95 77.95 77.95	1.5 1.5 2.8	2.8 3.4 2.7	CR C TPOR	S GCI S
RB20E	1998		GJ-NI-031 12033-65L00	6	1 2 0	77.95 77.95 77.95	1.5 1.5 2.8	2.85 3.4 2.75	CR C TPOR	S GCI S
J18	1800		GJ-NI-032 12033-N7900 12033-24W00	4	1 2 0	80.5 80.5 80.5	1.5 2 4	3.5 3.7 3.4	CR C TPOR	SGI GCI S
G15	1483	Skyline C10,C10M,C10W T, C10S, WC10M VC10M, VC10S	GJ-NI-033 12033-28500	4	1 2 0	82 82 82	2 2 4	4.1 4.1 3.9	CR C TPOR	GCI GCI S



GRIIND TECH

PISTON RINGS

S20	1989	Fairlady PS30	GJ-NI-034 12033-A0201	6	1 2 0	82 82 82	2 2 4	4.1 4.1 3.9	CR C TPOR	GCI GCI S
SR18DI			GJ-NI-035 12033-64J00	4	1 0	82.5 82.5	1.5 3	3.3 2.5	CR TPOR	S S
CA18N	1800	FC33,FJ32,KHG C22	GJ-NI-036 12033-64E10	4	1 2 0	82.7 82.7 82.7	1.5 1.5 2.8	3.1 3.7 2.8	CR C TPOR	S GCI S
CA18			GJ-NI-037 12033-59B00	4	1 2 0	83 83 83	1.5 1.5 2.8	3.1 3.7 2.8	CR C TPOR	S GCI S
L13 L14 L16	1300 1400 1600	Bluebird 1300 510,V510,W510 Bluebird 1400 N510,VH510 Violet J710, JK710, VJ710 Sunny A-PB210, PB210	GJ-NI-038 12033-A3501 12033-A3500 12033-W0700 12033-A0600 12033-21000 12033-23000	4	1 2 0	83 83 83	2 2 4	3.95 3.9 3.4	CR C TPOR	SCI GCI S
L24 L26	2400 2600	Bluebird	GJ-NI-039 12033-E3110 12033-W0810 12033-E3100 12033-A8620	6	1 2 0	83 83 83	2 2 4	3.95 3.9 3.4	CR C TPOR	SGI GCI S
L24	2400	Bluebird	GJ-NI-040 12033-51L00	6	1 2 0	83 83 83	1.5 1.5 4	3.1 3.6 3.45	CR C TPOR	S GCI S
Z16	1595	Violet Auster BC111,J811,SKS 110, PA11,PA10,GRA, FPA, KL811	GJ-NI-041 12033-W7002	4	1 2 0	83 83 83	1.2 2 4	3.6 3.9 3.4	CR C TPOR	S GCI S
Z16	1595	Violet Auster	GJ-NI-042 12033-W7110	4	1 2 0	83 83 83	2 2 4	3.95 3.9 3.4	CR C TPOR	SGI GCI S
L24	2400	Bluebird	GJ-NI-043 12033-W3100	6	1 2 0	83 83 83	1.5 1.5 4	3.6 3.6 3.4	CR C TPOR	SGI GCI S
CA18T	1809	Stanza Auster	GJ-NI-044 12033-17F00 12033-18F00 12033-18F10	4	1 2 0	83 83 83	1.5 1.5 2.8	3 3.7 3.2	CR C TPOR	S GCI S
L24	2400	Bluebird	GJ-NI-045 12033-U8770	6	1 2 0	83 83 83	1.2 2 4	3.6 3.9 3.4	CR C TPOR	S GCI S



GRINDLAYS TECH

PISTON RINGS

L24	2400	Bluebird	GJ-NI-046 12033-W2420 12033-W2410 12033-W2400	6	1 2 0	83 83 83	1.5 2 4	3.6 3.9 3.4	CR C TPOR	SGI GCI S
CA18	1809	Stanza Auster	GJ-NI-047 12033-01F00 12033-D0210 12033-D0500 12033-01E10 12033-01E00	4	1 2 0	83 83 83	1.5 1.5 4	3.6 3.6 3.4	CR C TPOR	SGI GCI S
CA20	1973	Bluebird M11, KMGC22, VNY30	GJ-NI-048 12033-D2000 12033-D1700 12033-04E10 12033-04E00	4	1 2 0	84.5 84.5 84.5	1.5 1.5 4	3.6 3.9 3.4	CR C TPOR	SGI GCI S
CA20S	2000	KMGC22, M11, VNY30	GJ-NI-049 12033-61E10	4	1 2 0	84.5 84.5 84.5	1.5 1.5 2.8	3.1 3.7 2.8	CR C TPOR	S GCI S
CA20S	1973	KMGC22, VNY30	GJ-NI-050 12033-35R00	4	1 2 0	84.5 84.5 84.5	1.5 1.5 2.8	3.1 3.7 2.8	CR C TPOR	S GCI S
CA20	1973	Bluebird M11, KMGC22 VNY30	GJ-NI-051 12033-13E00	4	1 2 0	84.5 84.5 84.5	1.5 1.5 2.8	3.15 3.7 2.8	CR C TPOR	S GCI S
CA20	1973	Bluebird M11, KMGC22, VNY30	GJ-NI-052 12033-D4710	4	1 2 0	84.5 84.5 84.5	1.5 1.5 4	3.15 3.9 3.35	CR C TPOR	S GCI S
Z18	1770	Bluebird	GJ-NI-053 12033-W1600 12033-W1510 12033-N9700	4	1 2 0	85 85 85	2 2 4	4.05 4.05 3.4	CR C TPOR	SGI GCI S
G18 L18	1770	Laurel C30,kc30 Skyline PC10,110,WPC10 110,PKC10,110,V PC10,110 Bluebird KH510,P610, KP610, H510,KIH510, AP610, C-PJ810, CP810	GJ-NI-054 12033-W0805 12033A8701 12033-A8702 12033-A8713	4	1 2 0	85 85 85	2 2 4	4.2 4.2 3.4	CR C TPOR	GCI GCI S



GRINDLAYS

PISTON RINGS

Z18	1770	Auster Stanza KPC231,F30,PC2 31 FRA11,P,PG, WP910, S-KS110	GJ-NI-055 12033-U5810	4	1 2 0	85 85 85	1.2 2 4	3.6 4.2 3.4	CR C TPOR	S GCI S
Z20F	1952	Bluebird Silvia	GJ-NI-056 12033-N8500	4	1 2 0	85 85 85	1.2 1.5 4	3.6 3.9 3.4	CR C TPOR	S GCI S
Z20	1952	Laurel KVC231	GJ-NI-057 12033-N8520 12033-N8510	4	1 2 0	85 85 85	1.5 1.5 4	3.6 3.9 3.4	CR C TPOR	SGI GCI S
Z20	1952	Laurel KHE24	GJ-NI-058 12033-24G00	4	1 2 0	85 85 85	1.5 1.5 4	3.15 3.7 3.1	CR C TPOR	S GCI S
L20B	1998	Skyline	GJ-NI-059 12033-W0815 12033-U6000 12033-U6001 12033-U6002	4	1 2 0	85 85 85	2 2 4	4.05 4.2 3.4	CR C TPOR	SGI GCI S
L20B	1998	Skyline	GJ-NI-060 12033-04W00	4	1 2 0	85 85 85	1.2 2 4	3.6 4.2 3.4	CR C TPOR	S GCI S
P	3956	Truck 680,681,780, 780,780, T780,S780 Bus E690	GJ-NI-061 12033-C6000 12033-58003 12033-58004 12033-58005 12033-58008	6	1 2 0	85.69 85.69 85.69	2.5 2.5 4.73	3.7 3.7 4.1	CR C TPOR	GCI GCI S
P40			GJ-NI-062 12033-C6011	6	1 2 0	85.69 85.69 85.69	2.5 2.5 4.73	3 3.5 3.4	CR C TPOR	SGI GCI S
RB30E	3000		GJ-NI-063 12033-67S10 12033-B4910	6	1 2 0	86 86 86	1.5 1.5 2.8	3.1 3 3.1	CR C TPOR	S GCI S
L28E	2753	Leopard Fairlady	GJ-NI-064 12033-P8360 12033-P8370	6	1 2 0	86 86 86	2 2 4	4.05 4.05 3.4	CR C TPOR	SGI GCI S
L28	2753	Laurel 2800 A-P330, KSC130, KP330, CKNC230 A-SC130, CNC230	GJ-NI-065 12033-N4200 12033-N4210 12033-N4220	6	1 2 0	86 86 86	2 2 4	4.05 3.4 3.4	CR C TPOR	SGI GCI S



GRINDLAYS TECH

PISTON RINGS

L28	2753	Laurel 2800 A-P330, KSC130, KP330, CKNC230 A-SC130, CNC230	GJ-NI-066 12033-Q1110 12033-Q1100	6	1 2 0	86 86 86	1.2 2 4	3.6 4.2 3.4	CR C TPOR	S GCI S
L28E	2753	Laurel A-P330, KSC130, KP330, CKNC230, A-SC130, CNC230	GJ-NI-067 12033-P7910 12033-P7900	6	1 2 0	86 86 86	1.5 2 4	3.6 4.05 3.4	CR C TPOR	SGI GCI S
L28E	2753	A-P330, KSC130, KP330, CKNC230, A-SC130, CNC230	GJ-NI-068 12033-P8600 12033-P8610	6	1 2 0	86 86 86	1.5 2 4	3.6 4.05 3.4	CR C TPOR	SGI GCI S
SR20DE	1998	Bluebird HP10,PS13, KBC23, NU13,RNN14	GJ-NI-069 12033-53T00 -60J22 -60J62 -60J20	4	1 2 0	86 86 86	1.5 1.5 3	3.1 3.7 3.1	CR C TPOR	S GCI S
NA20S			GJ-NI-070 12033-85G00	4	1 2 0	86 86 86	1.5 1.5 4	3.1 3.7 3.4	CR C TPOR	S GCI S
VG30	2960	Cedric Fairlady Gloria	GJ-NI-071 12033-03P00 12033-02P10	6	1 2 0	87 87 87	1.5 1.5 2.8	3.1 3.9 3.1	CR C TPOR	S GCI S
VG30	2960	Caraban BP430,KEE24 WHYD21, JPY32, Z32, PY32, CZ32	GJ-NI-072 12033-15G10 12033-V8000 12033-15V00	6	1 2 0	87 87 87	2 1.5 2.8	3.1 3.8 2.47	CR C TPOR	SGI GCI S
VG30	2960	Caraban PY31,KE24, WHYD21,JPY32, Z32,PY32,CZ32	GJ-NI-073 12033-17V00 12033-17V01	6	1 2 0	87 87 87	1.5 1.5 2.8	3.1 3.9 3.1	CR C TPOR	S GCI S
Z22	2187	Datsun Truck Cabstar UW40	GJ-NI-074 12033-06W20 12033-06W10 12033-D8500	4	1 2 0	87 87 87	1.5 1.5 4	3.6 3.6 3.4	CR C TPOR	SGI GCI S
Z22	2187	Datsun Truck Cabstar UW40	GJ-NI-075 12033-T8300 12033-T8301	4	1 2 0	87 87 87	1.5 1.5 4	3.1 3.9 3.1	CR C TPOR	S GCI S



GRINDLAYS TECH

PISTON RINGS

H20 H20P	1982	Cedric 130,V130, N230,VN230, AN230 Bus GC240,GC142CH 240, GHC240, GHC1412, CHWT40, GHT40, A-KPSE20, H-GKPE20, GHWT40, GHT40, A-KOPSE20, H-GKPE20, GHWT40,657,66 4, KC142, KC240 Truck HC240,655,657, 662 C142, C240,DC240, VC655,D660, 641,V641,641A,6 42, 41,140 Silvia CPS311 Fairlady SP311 Bluebird R411 Truck 446,446A, 641A,V641 President 150,250 Truck C80,SC80, DC80 Cedric Y130	GJ-NI-076 12033-Y4460 12033-14601 12033-R9000 12033-R9023	4	1 2 0	87.2 87.2 87.2	2 2.5 4	4 4 3.9	CR C TPOR	SGI GCI S
FJ20	1990	Skyline	GJ-NI-077 12033-R2000	4	1 2 0	89 89 89	1.5 1.5 2.8	3.7 3.9 3.4	CR C TPOR	SGI GCI S
G20	1990	Laurel PC30,130, KPC30,130	GJ-NI-078 12033-E6800	4	1 2 0	89 89 89	2 2 4	4.3 4.3 3.9	CR C TPOR	GCI GCI S
NA20P			GJ-NI-079 12033-86G00	4	1 2 0	89 89 89	1.5 1.5 2.8	3.1 3.9 2.8	CR C TPOR	S GCI S
Z24	2400	Datsun Truck	GJ-NI-080 12033-13G10 12033-83W00	4	1 2 0	89 89 89	2 1.5 4	3.1 3.9 3.4	CR C TPOR	S GCI S



GRINDLAYS TECH

PISTON RINGS

Z24	2400	Datsun Truck	GJ-NI-081 12033-21G00 12033-13A00	4	1 2 0	89 89 89	2 1.5 4	3.1 3.9 3.15	CR C TPOR	S GCI S
Z24	2400	Datsun Truck	GJ-NI-082 12033-30W10 12033-10W00	4	1 2 0	89 89 89	1.5 1.5 4	3.7 3.9 3.4	CR C TPOR	SGI GCI S
KA24	2388	Largo HM11,W30	GJ-NI-083 12033-53F01 12033-70F00	4	1 2 0	89 89 89	1.5 1.5 2.8	3.1 3.9 3.1	CR C TPOR	S GCI S
KA24DE			GJ-NI-084 12033-1E400 -4E100	4	1 2 0	89 89 89	1.5 1.5 2.8	3.1 3.9 3.1	CR C TPOR	S GCI S
Y40 Y44E	4414	President H150 President H250,A-H250, E-H252,H252, C- H251	GJ-NI-085 12033-F1100 12033-F1100	8	1 2 0	92 92 92	2 2.5 4	4.18 4.4 4.1	CR C TPOR	SGI GCI S
FJ24	2400	Rally	GJ-NI-086 12033-B3400	4	1 2 0	92 92 92	1.5 1.2 2.5	3.7 3.7 2.8	CR C TPOR	SGI SGI S
TB42 TB42E	4169	Safari	GJ-NI-087 12033-03J00	6	1 2 0	96 96 96	2 2 4	3.3 4.2 3.4	CR C TPOR	S GCI S
CD17	1700	Sunny N12,N13	GJ-NI-088 12033-16A00	4	1 2 0	80 80 80	1.75 2 3	3.3 3.3 2.5	CR C CHSL-B	SGI GCI GCI
CD17	1700		GJ-NI-089 12033-16A10	4	1 2 0	80 80 80	1.75 2 3	3.1 3.3 2.5	CR C CHSL-B	S GCI GCI
SD15,16			GJ-NI-090 12033-L2214	3	1 2 0	83 83 83	2.5 2 4.5	3.5 3.4 3.0	CR C CHSL-B	GCI SGI GCI
SD20 SD22	1991 2164	Cedric Q130,Q230, Q330	GJ-NI-091 12033-Y1402 12033-V1310 12033-Y1404 12033-Y1410 12033-Y1400 12033-Y1412 1 ST = Half Keystone	4	1 2 3 0 0	83 83 83 83 83	2.5 2 2 4.5 4.5	3.5 3.4 3.4 3 3	CRHK C N CHSL-B SOR	SGI SGI GCI GCI GCI



GRINDLAYS TECH

PISTON RINGS

SD20 SD22	1991 2164	Cedric Q130,Q230, Q330	GJ-NI-092 12033-76202 12033-76203 12033-76204 1 st = Half Keystone	4 0 0	1 2 3 0 0	83 83 83 83 83	2.5 2 2 4.5 4.5	3.5 3.4 3.4 3 3		
SD33	3246	Truck QC80,QSC80 DQSC80,DQSC8 0A,B	GJ-NI-093 12033-J2204 12033-J2202 12033-J2200 12033-61503 12033-61502 12033-61500 1 st = Half Keystone	6 0	1 2 3 0 0	83 83 83 83 83	2.5 2 2 4.5 4.5	3.5 3.4 3.4 3 3	CRHK C N CHSL-B SOR	SGI SGI GCI GCI GCI
SD33T	3246	Patrol	GJ-NI-094 12033-90000 1 st = Keystone	6 0 0	1 2 3 0 0	83 83 83 83 83	2.5 2 2 4.5 4.5	3.5 3.4 3.4 3 3.4	CRFK C N CHSL-B SOR	SGI SGI GCI GCI GCI
SD22 New	2164	Truck Q22,Q40, QC141,QC240DQ C240, HQC142, C,DQC, HQC240 Bus CQC240, HQC240,658, 665	GJ-NI-095 12033-R8100 12033-R8104 12033-R8110 12033-R8112 12033-R8114	4 0	1 2 0	83 83 83	2.5 2 4.5	3.5 3.4 3	CR C CHSL-B	GCI GCI GCI
SD33 New	3246		GJ-NI-096 12033-C6812 1 st = Half Keystone	6 0 0	1 2 3 0 0	83 83 83 83 83	2.5 2 2 4.5 4.5	3.5 3.4 3.4 3 3.4	CRHK C N CHSL-B SOR	SGI SGI GCI GCI GCI
SD33T	3246		GJ-NI-097 12033-C8702 12033-C8704 1 st = Half Keystone	6 0	1 2 0	83 83 83	2.5 2 4	3.5 3.4 2.8	CRHK C CHSL-B	SGI SGI GCI
SD15 SD16	1500 1600	Cedric Diesel	GJ-NI-098 12033-L2212 12033-L2214	3 0	1 2 0	83 83 83	2.5 2 4.5	3.5 3.4 3	CR C CHSL-B	SGI SGI GCI
LD28	2792	Datsun Truck	GJ-NI-099 12033-V0700	6 0	1 2 0	84.5 84.5 84.5	2 2 4	3.5 3.5 2.9	CR C CHSL-B	SGI GCI GCI
CD20	1952	Datsun Truck VUJC22	GJ-NI-100 12033-57J00	4 0	1 2 0	84.5 84.5 84.5	2 2 3	3.1 3.7 2.8	CR CR STOR	S GCI S



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PISTON RINGS

LD20	1952	Datsun Truck VUJC22	GJ-NI-101 12033-W1700	4	1 2 0	85 85 85	2 2 4	3.5 3.5 2.5	CR C CHSL-B	SGI GCI GCI
RQ1	3000	Datsun Truck	GJ-NI-102 12033-V7200 12033-35E00 12033-W3400	6	1 2 0	85 85 85	2 2 4	3.5 3.5 2.5	CR C CHSL-B	SGI GCI GCI
LD20	1952	Datsun Truck VUJC22	GJ-NI-103 12033-35E25	4	1 2 0	85 85 85	2 2 4	3.5 3.5 2.5	CR C CHSL-B	SGI GCI GCI
LD20T	1952	Datsun Truck VUJC22	GJ-NI-104 12033-W4200	4	1 2 0	85 85 85	2 2 4	3.5 3.5 2.5	CR C CHSL-B	SGI GCI GCI
RD-28T	2800	Laurel	GJ-NI-105 12033-22J11	6	1 2 0	85 85 85	2 2 4	3.1 3.5 2.5	CR CR STOR	S GCI S
RD-28	2800	Laurel	GJ-NI-106 12033-40L11 12033-20V01	6	1 2 0	85 85 85	2 2 4	3.1 3.5 2.5	CR CR STOR	S GCI S
SD23 SD25	2494	Datsun Truck	GJ-NI-107 12033-L2003 12033-L2002 12033-L2000	4	1 2 0	89 89 89	2.5 2 4.5	3.7 3.7 3.2	CR C CHSL-B	SGI SGI GCI
TD23	2494	Datsun Truck	GJ-NI-108 12033-02N10 12033-02N00	4	1 2 0	89 89 89	2.5 2 4	3.7 3.7 3.2	CR CR STOR	SGI SGI S
TD23	2494	Datsun Truck	GJ-NI-109 12033-L2006	4	1 2 0	89 89 89	2.5 2 4.5	3.7 3.7 3.2	CR C CHSL-B	SGI SGI GCI
TD25 AD-4	2494	Datsun Truck	GJ-NI-110 12033-44G10	4	1 2 0	92.9 92.9 92.9	2.5 2 4	4 4 2.5	CR CR STOR	SGI SGI S
TD27 AD-2	2700	Datsun Truck Caraban	GJ-NI-111 12033-43G10 12033-43G11	4	1 2 0	96 96 96	2.5 2 4	4 4 2.5	CR CR STOR	SGI SGI S
TD27T AD27T	2700		GJ-NI-112 12033-37N10 1 st =Keystone	4	1 2 0	96 96 96	2.5 2 4	3.8 4.0 2.5	CRFK CR STOR	S SGI S
TD27T AD-2T	2700	Datsun Truck Caraban	GJ-NI-113 12033-31N11 1 st = Half Keystone	4	1 2 0	96 96 96	2.5 2 4	3.8 4 2.5	CRHK CR STOR	S GCI S



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PISTON RINGS

TD27 AD-2	2700		GJ-NI-114 12033-6T010	4	1 2 0	96 96 96	2.5 2 3	4 4 2.5	CR CR STOR	SGI SGI S
TD42 AD-3	4169	Datsun Jeep KD	GJ-NI-115 12033-06J10	6	1 2 0	96 96 96	2.5 2 4	4 4 2.5	CR CR STOR	SGI SGI S
TD42 AD-3	4169	Datsun Jeep KD	GJ-NI-116 12033-06J10	6	1 2 0	96 96 96	2.5 2 3	4 4 2.5	CR CR STOR	SGI SGI S
ED30	2956	Bus CYHT40, CYHWT40, GYC240, GHYC240 Truck YC230, DYC240, HYC240, DEYC240, JVYC240, Y40,EYT40, TWT40, DYWT40	GJ-NI-117 12033-J2001 12033-J2002 12033-J2004 12033-J2008	4	1 2 3 0	98 98 98 98	3 2 2 4.5	4.2 4.2 4.2 3.1	CR C N CHSL-B	SGI GCI GCI GCI
ED30	2956	Bus CYHT40, CYHWT40, GYC240, GHYC240 Truck YC230, DYC240, HYC240, DEYC240, JVYC240, Y40,EYT40, TWT40, DYWT40	GJ-NI-118 12033-J5571 12033-J5572 12033-J5574 12033-J5576	4	1 2 0	98 98 98	3 2 4.5	4.2 4.2 3.1	CR C CHSL-B	SGI GCI GCI
QD32NA AD5	3200	Caraban Datsun Truck	GJ-NI-119 12033-2S610	4	1 2 0	99.2 99.2 99.2	2.5 2 3	3.8 4.1 2.5	CR CR STOR	S SGI S
ED33 New	3300	Truck Datsun Truck	GJ-NI-120 12033-J6500 12033-J6501 12033-T9000 12033-T9304	4	1 2 0	100 100 100	3 2 4.5	4.2 4.2 3.2	CR C CHSL-B	SGI GCI GCI
ED33 NEW	3300	Datsun Truck	GJ-NI-121 12033-T9306	4	1 2 0	100 100 100	2 2 4	4 4.2 2.5	CR CR STOR	SGI GCI S



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PISTON RINGS

FD33T	3298	Datsun Truck	GJ-NI-122 12033-T9302 12033-T9308 1 st = Half Keystone	4	1 2 0	100 100 100	3 2 4.5	4.2 4.2 3.2	CRHK C CHSL-B	SGI GCI GCI
ED35	3500	Datsun Truck	GJ-NI-123 12033-56T10	4	1 2 0	102.5 102.5 102.5	3 2 4	4.3 4.2 2.5	CR CR STOR	SGI GCI S
FD35	3465	Condore	GJ-NI-124 12033-01T10	4	1 2 0	102.5 102.5 102.5	2 2 4	3.9 4.2 2.5	CR CR STOR	SGI GCI S
FD35T	3465	Condore	GJ-NI-125 12033-01T60 1 st = Half Keystone	4	1 2 0	102.5 102.5 102.5	3 2 4	4.2 4.2 2.5	CRHK CR STOR	SGI GCI S
FD3	4214	Aerasu	GJ-NI-126 12033-0T000 12033-0T010	4	1 2 0	108 108 108	3 2 4	4.3 4.5 2.5	CR CR STOR	SGI GCI S
ED6 FD6	6000	Truck CM80,CM85,TK8 0, CM90, CK85 Bus R80,RM80	GJ-NI-127 12040-Z5027 1cyl. 12040-Z5001 12040-Z5025 1Cyl. 12040-Z5026	6	1 2 3 0	100 100 100 100	3 2 2 4.5	4.2 4.2 4.2 3.2	CR C N CHSL-B	SGI GCI GCI GCI
ED6 FD6	6000	Truck CM80,CM85,TK8 0, CM90,CK85 Bus R80,RM80	GJ-NI-128 12040-Z5028 1Cyl. 12040-Z5005	6	1 2 0	100 100 100	3 2 4.5	4.2 4.2 3.2	CR C CHSL-B	SGI GCI GCI
FD6T	6000	Truck CM80,CM85,TK8 0, CM90,CK85 Bus R80,RM80	GJ-NI-129 12040-Z5526 12040-Z5525	6	1 2 3 0	100 100 100 100	3 2 2 4.5	4.2 4.2 4.2 3.2	CRFK C N CHSL-B	SGI GCI GCI
			GJ-NI-130 12040-Z5527		1 2 3 0	100 100 100 100	3 2 2 4.5	4.2 4.2 4.2 3.2	CRHK C CHSL-B	SGI GCI GCI GCI
			GJ-NI-131 12040-Z5528		1 2 0	100 100 100	3 2 4.5	4.2 4.2 3.2	CRHK C CHSL-B	SGI GCI GCI
			1 st =Half Keystone		0	100	4.5	3.2		
FM6T			GJ-NI-132 12040- Z5508/Cyl.	6	1 2 0	105.9 105.9 105.9	2.5 2 4	3.8 4.5 2.5	CR CR STOR	S GCI S



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PISTON RINGS

FE6	7000	Truck MK210, CM89,CM87	GJ-NI-133 12040-Z5211	6	1 2 0	108 108 108	3 2 4	4.3 4.5 2.5	CR CR STOR	SGI GCI S
FE6	7000	MK250	GJ-NI-134 12040-Z5511 12040-Z5504	6	1 2 0	108 108 108	3 2 4	4.3 4.5 2.5	CR C CHSL-B	SGI GCI GCI
FEGT	7000	MK250	GJ-NI-135 12040- Z5505/Cyl. 12040-Z5512 12040-Z5517 1 st = Half Keystone	6	1 2 0	108 108 108	3 2 4	4.3 4.5 2.5	CRHK CR STOR	SGI GCI S
FE6TA	7000	MK250	GJ-NI-136 12040- Z5519/Cyl. 1 st = Half Keystone	6	1 2 0	108 108 108	3 2 4	4.3 4.5 2.5	CRHK C CHSL-B	SGI GCI GCI
			GJ-NI-137 12040-Z5519 12040-Z5560 12040-Z5561 12040-Z5564 1 st = Half Keystone		1 2 0	108 108 108	2.5 2 4	3.8 4.5 2.5	CRHK CR STOR	S GCI S
FA6T			GJ-NI-138 12040- Z5512/Cyl.	6	1 2 0	108 108 108	3 2 4	4.3 4.5 2.5	CR CR STOR	SGI GCI S
A500FET		12040-Z5561/Cyl. 1 st = Half Keystone	GJ-NI-139 12040- Z5561/Cyl. 1 st = Half Keystone	6	1 2 0	108 108 108	2.5 2 4	3.8 4.5 2.5	CRHK CR STOR	S GCI S
ND6	7000	Truck Bus CK10,PRX102	GJ-NI-140 12040-90127 12040-95006	6	1 2 0	110 110 110	4 3 5	4.4 4.4 3.5	CR C CHSL-B	SGI GCI GCI
ND6T	7000	Truck Bus CK10,PRX102	GJ-NI-141 12040-90326 12040-95028 1 st =Keystone	6	1 2 0	110 110 110	4 3 5	4.4 4.4 3.5	CRFK C CHSL-B	SGI GCI GCI
NE6	7000	Truck	GJ-NI-142 12040-95013	6	1 2 0	110 110 110	3 2.5 4	3.9 3.9 2.5	CR CR STOR	SGI SGI S
			GJ-NI-143 12040-95026		6	1 2 0	110 110 110	3 2.5 5	3.9 3.9 3.5	CR C CHSL-B



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PISTON RINGS

			GJ-NI-144 12040-95125 12040- 95014/Cyl. 1 st = Half Keystone	6	1 2 0	110 110 110	3 2.5 4	3.9 3.9 2.5	CRHK CR STOR	SGI SGI S
NE6TA	7000	Truck	GJ-NI-145 12040-95016 1 st = Half Keystone	6	1 2 0	110 110 110	3 2.5 4	3.9 3.9 2.5	CRHK CR STOR	SGI SGI S
NF6TA	9160	CD320	GJ-NI-146 12040-95501 1 st = Half Keystone	6	1 2 0	120 120 120	3 2.5 4	4.3 4.7 2.5	CRHK CR STOR	S SGI S
PD6	10000	Truck Bus CK20, TK20, CD40, CV40,	GJ-NI-147 12040-96127 12040-96026	6	1 2 0	125 125 125	5 3.5 5	5.2 5.2 3.5	CR C CHSL-B	SGI GCI GCI
PD6T	10000	PT81, CW40, M20, CB20, TFA21, CW41	GJ-NI-148 12040-96129 12040- 96010/CYL. 1 st = Half Keystone	6	1 2 0	125 125 125	4 3.5 5	5.2 5.2 3.5	CR C CHSL-B	SGI GCI GCI
			GJ-NI-149 12040-96125 12040- 96005/cyl. 12040-90228 1 st =Keystone	6	1 2 0	125 125 125	4 3.5 5	5.2 5.2 3.5	CR C CHSL-B	SGI GCI GCI
PN6TA		Truck Bus	GJ-NI-150 12040- 96567/cyl. 1 st =Keystone	6	1 2 0	132.9 132.9 132.9	2.5 2.5 4	4.8 5.5 2.5	CRFK CR STOR	S GCI S
PE6	12000	Truck Bus CK20, TK20, CD4 0, CV40, PT81, CW4 0, M20, CB20, TFA2 1, CW41	GJ-NI-151 12040-90025 12040-96128 12040-96028 12040- 96225/Cyl. 12040- 90053/cyl. 1 st =Keystone	6	1 2 0	133 133 133	4 3.5 6	5.2 5.5 4.2	CRFK C CHSL-B	SGI GCI GCI



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PISTON RINGS

PE6T	12000		GJ-NI-152 12040-96513 12040-96504 12040-96509/cyl. 12040-965181/cyl. 1 st = Half Keystone	6	1 2 0	133 133 133	4 3.5 6	5.3 5.5 4.2	CRHK C CHSL-B	SGI GCI GCI
PE6T	12000		GJ-NI-153 12040-96517/Cyl. 1 st = Half Keystone	6	1 2 0	133 133 133	3 2.5 4	3.1 5.5 2.5	CRHK CR STOR	SGI GCI S
PF6	13000	Truck	GJ-NI-154 12040-96564/cyl. 12040-96566 1 st = Half Keystone	6	1 2 0	133 133 133	2.5 2.5 4	4.8 5.5 2.5	CR CR STOR	S GCI S
RE10	18894	Truck CW610	GJ-NI-155 12040-97326 12040-97626	10	1 2 0	135 135 135	3 3 5	5.1 5.5 3	CR C CHSL-B	SGI GCI GCI
RD8	15000	Truck Bus CV50,CW51,CW52,CD52,WD18,WD151 TWA52,RA50RA51, CV56	GJ-NI-156 12040-97126 12040-97026 12040-97025 12040-97226 12040-97028 12040-90325	8	1 2 0	135 135 135	4 3 6	5.1 5.5 4	CR C CHSL-B	SGI GCI GCI
RD8T	15000		GJ-NI-157 12040-97128 12040-97528 1 st =Keystone	8	1 2 0	135 135 135	4 3 6	5.5 5.5 4	CRFK C CHSL-B	SGI GCI GCI
RD10	14313	Truck CK60,CW60,CW61, WD23,WG30	GJ-NI-158 12040-97127 12040-97229 12040-97227 12040-97527	10	1 2 0	135 135 135	4 3 6	5.1 5.5 4	CR C CHSL-B	SGI GCI GCI
RD8T RD10T	17892	Truck WP381	GJ-NI-159 12040-97073 12040-97076/Cyl. 1 st =Keystone	8 10	1 2 0	135 135 135	4 3 5	5.5 5.5 3	CRFK CR STOR	SGI GCI S
RD10T	17892	Truck WP381	GJ-NI-160 12040-97329 1 st =Keystone	10	1 2 0	135 135 135	4 3 6	5.5 5.5 4	CRFK C CHSL-B	SGI GCI GCI



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PISTON RINGS

RE8	15000	CW53,CD53,CW510	GJ-NI-161 12040-97068 12040-97012/Cyl.	8	1 2 0	135 135 135	3 3 5	5.1 5.5 3	CR CR STOR	SGI GCI S
RE8	15000	CW53,CD53,CW510	GJ-NI-162 12040-97325 12040-97427/Cyl. 12040-97625/Cyl. 12040-97061/Cyl.	8	1 2 0	135 135 135	3 3 5	5.5 5.5 4	CR C CHSL-B	SGI GCI GCI
RE10T	18894	CW66,CK66,CK67T	GJ-NI-163 12040-97428 12040-97065/Cyl. 1 st =Keystone	10	1 2 0	135 135 135	4 3 5	5.5 5.5 4	CR C CHSL-B	SGI GCI GCI
RF8	16991	CD520	GJ-NI-164 12040-97072	8	1 2 0	138 138 138	2.5 2.5 4	5.2 5.6 2.8	CR C CHSL-B	SGI GCI SGI
RFT	16991		GJ-NI-165 12040-97101/Cyl. 1 st = Half Keystone		1 2 0	138 138 138	3 2.5 4	4.9 5.6 2.5	CRHK CR STOR	S GCI S
RG8	17990	CW530	GJ-NI-166 12040-97103	8	1 2 0	142 142 142	3 2.5 4	4.8 5.7 2.5	CR CR STOR	S GCI S
RH.8.10	21205	Tractor	GJ-NI-167 12040-97105/Cyl. 12040-97106		1 2 0	150 150 150	3 2.5 4	4.9 5.6 2.5	CR CR STOR	S SGI S



GRINDLAYS

PISTON RINGS



TOYOTA

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
IE-L	1000	Starlet	GJ-TO-001 13011-10070 -10080 -10081	4	1	70.5	1.5	2.7	CR C TPOR	S GCI S
					2	70.5	1.5	2.9		
					0	70.5	3	3		
2K	993	Publica PK30,36,36V, 40,95	GJ-TO-002 13011- 12030,31 -12010	4	1	72	2	3.4	CR C TPOR	GCI GCI S
					2	72	2	3.4		
					0	72	4	3.4		
2E,3E	1300	Corolla R-EE106V	GJ-TO-003 13011- 11040,11041 -11060 -11061 -11090 -11080	4	1	73	1.5	2.8	CR C TPOR	S GCI S
					2	73	1.5	3.1		
					0	73	3	2.8		
4E-FE	1331	Corolla	GJ-TO-004 13011-11122	4	1	74	1.2	2.7	CR C TPOR	S GCI S
					2	74	1.2	3.1		
					0	74	3	2.6		
5E	1300	Starlet	GJ-TO-005 13011-11140	4	1	74	1.2	2.8	CR C TPOR	S GCI S
					2	74	1.2	3.1		
					0	74	3	2.6		



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PISTON RINGS

K 3K	1077 1166	Corolla 1200 Corolla Publica ST	GJ-TO-006 13011- 24010,11,12 -22011 -24020,23 -24030	4	1 2 0	75 75 75	2 2 4	3.6 3.6 3.6	CR C TPOR	GCI GCI S
M,2M	1988	Crown 2000 MS41,MS50, MS52, MS56,MS46	GJ-TO-007 13011-41015 -41040	6	1 2 0	75 75 75	2 2 4	3.6 3.6 3.6	CR C TPOR	SGI GCI S
4K New	1290	Corolla Sprinter Starlet	GJ-TO-008 13011-13010 -13060	4	1 2 0	75 75 75	1.5 1.5 4	3.2 3.4 3.6	CR C TPOR	SGI GCI S
4K-C	1290	Publica 1000, KE10 Starlet 1200 Sprinter 1200 Corolla 1200	GJ-TO-009 13011-13030	4	1 2 0	75 75 75	2 2 4	3.1 3.4 3.1	CR C TPOR	GCI GCI S
1G	1988	Soarer Crown Mark II Chaser Cresta	GJ-TO-010 13011-70010 -70030	6	1 2 0	75 75 75	1.5 1.5 4	3.2 3.4 3	CR C TPOR	SGI GCI S
1G-G	1988	Soarer Crown Mark II	GJ-TO-011 13011-70070 -70040 -70061	6	1 2 0	75 75 75	1.2 1.5 2	3.3 3.3 2.85	CR C TPOR	S GCI S
2A	1295	Tercel Corsa	GJ-TO-012 13011- 14010,14011 -14020 -14021	4	1 2 0	76 76 76	2 2 4	3.6 3.6 3.1	CR C TPOR	GCI GCI S
3P,4P	1345	Hi-Ace PH10,PH10-B, PH10- D,PH10-V, PH10P, PH10SV Corona Van PT47V, PT47V-F Toyoace PK32,PK32-B	GJ-TO-013 13011-23030 -23010	4	1 2 0	76.6 76.6 76.6	2 2 4	3.5 3.5 3.5	CR C TPOR	GCI GCI S



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PISTON RINGS

R	1453	Crown RS20,RA21 Corona PT20 Masterline RS26,RS26P, RS26V Dyna RK85,RK95	GJ-TO-014 13011-39020	4	1 2 0 0	77 77 77 77	2.5 2.5 4 4	3.4 3.4 3.4 3.4	CR C TPOR SOR	GCI GCI S GCI
1A,3A	1452	Stout RK45,RK35 Toyoace RK40	GJ-TO-015 13011-15010 -15011 -15020 -15021	4	1 2 0	77.5 77.5 77.5	1.5 1.5 2.8	3.2 3.2 2.75	CR C TPOR	SGI GCI S
1A,3A	1452		GJ-TO-016 13011-15031	4	1 2 0	77.5 77.5 77.5	1.5 1.5 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S
2R	1490	Corona RT40,RT50,P T56, RT46V Bus RH15B Stout RK43,RK47, RK47P, RK47V Toyoace PK41,PK41P, PK41V Hi-Lux RN10,R10D	GJ-TO-017 13011-31030 -31040	4	1 2 0	78 78 78	2 2.5 4	3.7 3.7 3.6	CR C TPOR	GCI GCI S
5A-F	1498	Corolla	GJ-TO-018 13011-15050	4	1 2 0	78.7 78.7 78.7	1.5 1.5 3	2.8 3.4 3	CR C TPOR	S GCI S
5A-F	1498	Corolla	GJ-TO-019 13011-15100	4	1 2 0	78.7 78.7 78.7	1.2 1.5 3	2.8 3.4 2.8	CR C TPOR	S GCI S
8A-FE			GJ-TO-020 13011-15130	4	1 2 0	78.7 78.7 78.7	1.2 1.5 3	2.7 3.0 2.65	CR C TPOR	S GCI S
1ZZ	1800	Corolla	GJ-TO-021 13011-22040	4	1 2 0	79 79 79	1.2 1.2 3	2.7 3.2 2.7	CR C TPOR	S GCI S
T	1407	Corolla 1400 Carina 1400 Celica	GJ-TO-022 13011-25041 -25020	4	1 2 0	80 80 80	2 2 4	3.7 3.7 3.4	CR C TPOR	GCI SGI S
T-U	1407	Corolla Starlet	GJ-TO-023 13011-25042	4	1 2 0	80 80 80	1.5 2 4	3.7 3.7 3.6	CR C TPOR	GCI GCI S



GRIIND TECH

PISTON RINGS

4M	2563	Crown 2600 MS65,75,83, 85,95	GJ-TO-024 13011-45021 -45040 -46030	6	1 2 0	80 80 80	2 2 4	3.8 3.8 3.7	CR C TPOR	GCI GCI SGI
12R	1587	Corona Hi-Luxe, Hi-Van Corona-Van Toyoace	GJ-TO-025 13011-31091 -31070 -31061 -31060	4	1 2 0	80.5 80.5 80.5	2 2 4	3.9 3.9 3.8	CR C TPOR	GCI GCI S
			GJ-TO-026		1 2 0	80.5 80.5 80.5	2 2 4	3.9 3.9 3.8	CR C TPOR	SGI GCI S
1SL,1S-U	1832	Corona Corolla	GJ-TO-027 13011-63010 -63011 -63020 -63030,31	4	1 2 0	80.5 80.5 80.5	1.5 1.5 4	3.3 3.7 3.1	CR C TPOR	S GCI S
5K	1486	Camry Carina	GJ-TO-028 13011-13040 -13050 -13090	4	1 2 0	80.5 80.5 80.5	1.5 1.5 4	3.3 3.65 3.1	CR C TPOR	S GCI S
7K	1486	Camry Carina	GJ-TO-029 13011-13100	4	1 2 0	80.5 80.5 80.5	1.5 1.5 4	3.3 3.65 2.8	CR C TPOR	S GCI S
7AF2	1800	Corolla	GJ-TO-030 13011-16340	4	1 2 0	81 81 81	1.2 1.5 3	2.8 3.4 2.65	CR C TPOR	S GCI S
7AF	1800	Corolla	GJ-TO-031 13011-16300	4	1 2 0	81 81 81	1.2 1.5 3	2.8 3.4 2.7	CR C TPOR	S GCI S
7AF	1800	Corolla	GJ-TO-032 13011-16320	4	1 2 0	81 81 81	1.2 1.5 3	2.8 3.4 2.7	CR C TPOR	S GCI S
4A	1587	Corolla Sprinter	GJ-TO-033 13011-16010 -16011	4	1 2 0	81 81 81	1.5 1.5 2.8	3.3 3.6 2.8	CR C TPOR	S GCI S
4A	1587	Corolla AT190,AE101	GJ-TO-034 13011-16030 -16032 -16031	4	1 2 0	81 81 81	1.5 1.5 2.8	3.3 3.6 2.8	CR C TPOR	S GCI S
4AG	1587		GJ-TO-035 13011-16190	4	1 2 0	81 81 81	1.2 1.5 2.8	3.1 3.6 3	CR C TPOR	S GCI S
4AG	1600	Corolla AT190,AE101	GJ-TO-036 13011-16050	4	1 2 0	81 81 81	1.5 1.5 2.8	3.3 3.6 2.8	CR C TPOR	S GCI S



GRIIND TECH

PISTON RINGS

4AGZ	1587		GJ-TO-037 13011-16200 -16210	4	1 2 0	81 81 81	1.2 1.5 2.8	3.1 3.6 2.8	CR C TPOR	S GCI S
4AGEU	1600	Corolla AT190,AE101	GJ-TO-038 13011-16090	4	1 2 0	81 81 81	1.5 1.5 2.8	3.3 3.6 2.8	CR C TPOR	S GCI S
4A-F	1600	Corolla AT190,AE101	GJ-TO-039 13011-16140 -16120 -16070	4	1	81	1.5	2.8	CR	S
					2	81	1.5	3.4	C	GCI
					0	81	3	3	TPOR	S
4S	1838		GJ-TO-040 13011-74120 -74121	4	1	82.5	1.5	3.1	CR	S
					2	82.5	1.5	3.8	C	GCI
					0	82.5	4	2.8	TPOR	S
2U	790	Mini-Ace UP100,100V	GJ-TO-041 13011-11010 -11021	2	1	83	2	3.8	CR	GCI
					2	83	2	3.8	C	GCI
					0	83	4	3.9	TPOR	S
5M	2759	Crown 2800 MS112 Celica 2800 MA 56	GJ-TO-042 13011-43030 -43010	6	1	83	2	3.8	CR	GCI
					2	83	2	3.8	C	GCI
					0	83	4	3.45	TPOR	S
5MGE	2759	Crown Soarer Celica	GJ-TO-043 13011-43050 -43080	6	1	83	1.5	3.5	CR	GCI
					2	83	1.5	3.7	C	SGI
					0	83	4	3.1	TPOR	S
5MEU	2759	Celica XX2800 MA 56	GJ-TO-044 13011-43030 -43031	6	1	83	2	3.1	CR	S
					2	83	2	3.8	C	GCI
					0	83	4	2.8	TPOR	S
7MGE 7M-GTE	2954	Soarer	GJ-TO-045 13011-42010 -42011	6	1	83	1.5	3.3	CR	S
					2	83	1.5	3.7	C	SGI
					0	83	4	2.8	TPOR	S
21R	1972	Corona 2000	GJ-TO-046 13011-37010	4	1	84	2	3.9	CR	GCI
					2	84	2	3.9	C	GCI
					0	84	4	3.1	TPOR	S
21R-C	1972	Corona 2000 RT 133 Mark II Chaser RX41 Celica RA 45 Camry RA 56	GJ-TO-047 13011-37030 -37050 -37060	4	1	84	1.5	3.6	CR	S
					2	84	2	3.8	C	GCI
					0	84	4	3.45	TPOR	S



GRIINDTECH

PISTON RINGS

21R-C	1972	Mark II/Cressida	GJ-TO-048 13011-37070 -37071	4	1	84	1.5	3.1	CR C TPOR	S GCI S
					2	84	1.5	3.8		
					0	84	4	3.1		
					1	84	1.5	3.1	CR	S
					2	84	1.5	3.8	C	GCI
					0	84	4	3.1	TPOR	S
2S	2000	Camry SV11	GJ-TO-049 13011-74010 -74020 -74030	4	1	84	1.5	3.6	CR C TPOR	S GCI S
					2	84	1.5	3.8		
					0	84	4	3.25		
					1	84	1.5	3.6	CR	S
					2	84	1.5	3.8	C	GCI
					0	84	4	3.25	TPOR	S
2T,3T	1588	Corona A-TT10D,11D Carolla ATE41,21,27, 47 A-TE31,37,41, 47 H-TT106V, TT106V Carina TA19V Celica TA22,27, A-TA23,28	GJ-TO-050 13011-26020 -26040 -26041 -27020	4	1	85	2	4	CR C TPOR	GCI GCI S
					2	85	2	4		
					0	85	4	3.75		
2TU,3TU	1588	Carina Camry Celica	GJ-TO-051 13011 28020.30.31.70. 71 13011-28010 13011-28011	4	1	85	1.5	3.8	CR C TPOR	SGI GCI S
					2	85	1.5	3.8		
					0	85	4	3.1		
6R 7R 8R	1707 1591 1858	Corona RT61,71,77, 84,94 RX10,20,26, RX16V, RT88V,RT60, 70,76 Corona -Mark II RT62K,72K, 72H,72S,62H	GJ-TO-052 13011-33030 -33022 -33021 -33020 -33010	4	1	86	2	3.9	CR C TPOR	GCI GCI S
					2	86	2.5	3.9		
					0	86	4	3.9		
1Y 2Y,3Y	1600 2000	Hi-Lux Town Ace	GJ-TO-053 13011-71010 -71020 -71030,71033 -71040	4	1	86	1.5	3.3	CR C TPOR	S GCI S
					2	86	1.5	3.9		
					0	86	4	3.15		



GRINDLAYS TECH

PISTON RINGS

			GJ-TO-054		1 2 0	86 86 86	1.5 1.5 4	3.3 3.9 3.15	CR C TPOR	S GCI S
1RZ	1998	Hi-Ace RZH 102V	GJ-TO-055 13011-75020	4	1 2 0	86 86 86	1.75 1.5 4	3.3 3.6 3.1	CR C TPOR	S GCI S
			GJ-TO-056		1 2 0	86 86 86	1.75 1.5 4	3.3 3.6 3.1	CR C TPOR	S GCI S
1JZ	2500	Mark II	GJ-TO-057 13011-46030	6	1 2 0	86 86 86	1.5 1.5 4	3.3 3.6 2.8	CR C TPOR	S GCI S
2JZ	3000	Crown Aristo Supra	GJ-TO-058 13011-75020	6	1 2 0	86 86 86	1.5 1.5 4	3.3 3.8 2.85	CR C TPOR	S GCI S
2JZ-FE	2400		GJ-TO-059 13011-46050	6	1 2 0	86 86 86	1.5 1.5 4	3.3 3.8 2.8	CR C TPOR	S GCI S
3S-F, 3S-FE	1998	Corona SV35,32 ST-182, ST-185	GJ-TO-060 13011-74091 -74072 -74070	4	1 2 0	86 86 86	1.5 1.5 4	3.3 3.7 3.1	CR C TPOR	S GCI S
5S-FE			GJ-TO-061 13011-74370	4	1 2 0	87 87 87	1.2 1.2 3	2.85 3.4 2.5	CR C TPOR	S GCI S
5S	2200	Camry	GJ-TO-062 13011-74290 -74260 -74261	4	1 2 0	87 87 87	1.5 1.5 4	3.55 3.6 2.65	CR C TPOR	S GCI S
1MZ	2994	Abaron	GJ-TO-063 13011-20020	6	1 2 0	87.5 87.5 87.5	1.2 1.2 3	2.8 3.2 2.8	CR C TPOR	S SGI S
2MZ	2500	Windom	GJ-TO-064 13011-20050	6	1 2 0	87.5 87.5 87.5	1.2 1.2 3	2.9 3.3 2.7	CR C TPOR	S GCI S
1UZ	4000	Celcio Lexus	GJ-TO-065 13011-50110	8	1 2 0	87.5 87.5 87.5	1.2 1.2 3	2.8 3.4 2.7	CR C TPOR	S GCI S
1UZ-FE	4000	Celcio	GJ-TO-066 13011-50040	8	1 2 0	87.5 87.5 87.5	1.5 1.5 3	3.3 3.8 2.65	CR C TPOR	S GCI S
3VZ	2958	Hi-Lux VCV10	GJ-TO-067 13011-65020	6	1 2 0	87.5 87.5 87.5	1.5 1.5 4	3.3 3.7 2.95	CR C TPOR	S GCI S



GRIIND TECH

PISTON RINGS

3VZ	2958	Hi-Lux VCV10	GJ-TO-068 13011-65021 -62060	6	1 2 0	87.5 87.5 87.5	1.5 1.5 4	3.3 3.8 2.8	CR C TPOR	S GCI S
3R	1877	Crown RS30,31,40, 41,46G	GJ-TO-069 13011-49010 -40010	4	1 2 0	88 88 88	2.5 2.5 5	4.1 4.1 4.1	CR C TPOR	GCI GCI S
5R	1994	Crown Stout RS50,RS50B, RK171,RK171 V-B	GJ-TO-070 13011- 44061,62,63 -44060 -44030,40 -44042 -44043	4	1 2 0	88 88 88	2 2.5 4	4.2 4.2 4.1	CR C TPOR	SGI GCI S
16R 18R	1800 1968	Corona Mark- II	GJ-TO-071 13011- 34030,20,21,22 38010,K20,40, 60 -34012,13 -34050	4	1 2 0	88.5 88.5 88.5	2 2.5 4	4.2 4.2 3.85	CR C TPOR	SGI GCI S
F	3878	Truck FA80,FA80D	GJ-TO-072 13011-60011 -69021	6	1 2 0 0	90 90 90 90	3 3 4 4	3.7 3.7 4.1 3.7	CR C TPOR SOR	GCI GCI S GCI
F(new)	3878	Truck FA80, FA80D,FA90, FC80,FA90D, FA100, FA110,FJ40,2 FQ10,FJ43	GJ-TO-073 13011-60040	6	1 2 0 0	90 90 90 90	2 2.5 4 4	4 4 4 4	CR C TPOR SOR	GCI GCI S GCI
4Y	2200	For Leaded	GJ-TO-074 13011-73030 -73020 -73031,1 73032, -73040	4	1 2 0 1 2 0	91 91 91 91 91 91	1.5 1.5 4 1.5 1.5 4	3.3 4 3.1 3.3 4 3.1	CR C TPOR	S GCI S
22R	2366	Coaster	GJ-TO-075 13011-35030 -35020 -35010	4	1 2 0	92 92 92	2 2.5 4	4.2 4.2 3.1	CR C TPOR	GCI GCI S
22R-2	2400	Cressida	GJ-TO-076 13011-35040 -35050 -35060,35061 -35070,35071	4	1 2 0 1 2 0	92 92 92 92 92 92	1.5 1.5 4 1.5 1.5 4	3.3 4 3.1 3.3 4 3.1	CR C TPOR	S GCI S



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PISTON RINGS

5VZ	3378	Hi-Lux	GJ-TO-077 13011-62110 -62120	6	1 2 0	93.5 93.5 93.5	1.5 1.5 4	3.3 4 2.85	CR C TPOR	S GCI S
2F	4230	Truck FJ55,FA101,F C22D	GJ-TO-078 13011-61010	6	1 2 0	94 94 94	2 2.5 4	4.2 4.2 3.9	CR C TPOR	GCI GCI S
3F	4000	Land Cruiser	GJ-TO-079 13011-61060 -61061	6	1 2 0	94 94 94	1.5 1.5 4	3.6 4 3.4	CR C TPOR	S GCI S
			GJ-TO-080		1 2 0	94 94 94	1.5 1.5 4	3.6 4 3.4	CR C TPOR	S GCI S
3F(New)	4000	Land Cruiser	GJ-TO-081	6	1 2 0	94 94 94	2 2 4	3.35 4 3.4	CR C TPOR	S GCI S
2TZ-FE	2400		GJ-TO-082 13011-76050	4	1 2 0	95 95 95	1.75 1.5 4	3.65 3.8 3.1	CR C TPOR	S GCI S
2RZ	2438	Hi-Ace RZH101G	GJ-TO-083 13011-75030	4	1 2 0	95 95 95	1.75 1.5 4	3.5 3.8 3.15	CR C TPOR	S SGI S
2RZ-FE	2438	Hi-Ace RZH101G	GJ-TO-084 13011-75040	4	1 2 0	95 95 95	1.5 1.5 4	3.5 3.6 2.95	CR C TPOR	S GCI S
3RZ-FE	2693	Hi-Lucex Granbia Dyna	GJ-TO-085 13011-75060	4	1 2 0	95 95 95	1.75 1.5 4	3.5 3.6 2.95	CR C TPOR	S GCI S
1FZ	4476	Land Cruiser FZJ80G	GJ-TO-086 13011-66021	6	1 2 0	100 100 100	1.75 2 4	3.8 3.8 3.15	CR C TPOR	S GCI S
1FZ	4476	Land Cruiser FZJ80G	GJ-TO-087 13011-66020	6	1 2 0	100 100 100	2 2 4	3.6 3.8 3.15	CR C TPOR	S GCI S
IN-T	1500	Starlet	GJ-TO-088 13011-55010 -55011 1 ST = HALF KEYSTONE	4	1 2 0	74 74 74	1.5 1.5 3	2.7 3.2 2.8	CRHK C TPOR	S GCI S



GRINDLAYS TECH

PISTON RINGS

1C,1CL	1839	Corona Carina Carolla Sprinter	GJ-TO-089 13011- 64020,10 -64040 -64070 -64080 1 ST = HALF KEYSTONE	4	1 2 0	83 83 83	2 2 4	3.7 3.7 2.7	CRHK C CHSL-B	SGI GCI GCI
1C	1839	Corona Carina Carolla	GJ-TO-090 13011-64130 -64220 1 st = Half Keystone	4	1 2 0	83 83 83	2 2 3	3.1 3.6 2.8	CRHK C TPOR	S GCI S
2C	1974	Carolla Master Ace CE100,CT141, CV30, CHR11G	GJ-TO-091 13011-64170 1 ST = HALF KEYSTONE	4	1 2 0	86 86 86	1.75 2 3	3.1 3.5 2	CRHK CR STOR	S GCI S
2C	1974	Carolla Master Ace CE100,CT141, CV30,CH11G	GJ-TO-092 13011-64060 -64110 -64150 1 ST = HALF KEYSTONE	4	1 2 0	86 86 86	2 2 4	3.3 3.9 2.5	CRHK C CHSL-B	S GCI SGI
2C(New)	1974	Carolla Master Ace CE100,CT141, CV30, CHR11G	GJ-TO-093 13011-64190 1 ST - HALF KEYSTONE	4	1 2 0	86 86 86	2 2 3	3.3 3.5 2	CRHK CR STOR	S GCI S
2C	2000	Carina Tamaraw FX	GJ-TO-094 13011-64202 1 st - HALF KEYSTONE	4	1 2 0	86 86 86	2 2 3	3.3 3.4 2	CRHK CR STOR	S SGI S
1DZ,3C-T	2184	Estima,Lucina Emina CXR11G	GJ-TO-095 13011-78201 1 ST = HALF KEYSTONE	4	1 2 0	86 86 86	2 2 4	3.1 3.6 2.5	CRHK CR STOR	S GCI S
2VZ-FE			GJ-TO-096 13011-62040	6	1 2 0	87.5 87.5 87.5	1.5 1.5 3	3.3 3.8 2.8	CR C TPOR	S GCI S
J 2J	2336 2481	Dyna JK170B, JK171B, JK170DH, J175, JK171DH, JK176, JK176V	13011-46021	4	1 2 3 0 0	88 88 88 88 88	2.5 2.5 2.5 4 4	3.8 3.8 3.8 3.8 3.8	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI



GRIIND TECH

PISTON RINGS

2J (New)	2481	Dyna	GJ-TO-097 13011-48021 -48013 1 st =Keystone	4	1 2 3 0	88 88 88 88	2.5 2.5 2.5 4	3.8 3.8 3.8 4	CRFK C N CHSL-B	GCI GCI GCI GCI
2J (New, New)	2481	Dyna	GJ-TO-098 13011-48023 -48022 -48030 1 st = Half Keystone	4	1 2 0	88 88 88	2.5 2.5 4	3.8 3.8 2.9	CRHK C CHSL-B	SGI GCI GCI
H	3576	Dyna H-Mobit	GJ-TO-099 13011-47020	6	1 2 3 0 0	88 88 88 88 88	2.5 2.5 2.5 4 4	3.8 3.8 3.8 3.8 3.8	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
H(New)	3576	Dyna	GJ-TO-100 13011-47021 1 st = Half Keystone	6	1 2 3 0	88 88 88 88	2.5 2.5 2.5 4	3.8 3.8 3.8 2.9	CRHK C N CHSL-B	SGI GCI GCI GCI
H(New), New	3576	Dyna	GJ-TO-101 13011-47023 -47022 1 st = Half Keystone	6	1 2 0	88 88 88	2.5 2.5 4	3.8 3.8 2.9	CRHK C CHSL-B	SGI GCI GCI
2OR	2189	Coaster	GJ-TO-102 13011-38030	4	1 2 0 0	88.5 88.5 88.5 88.5	2 2.5 4 4	4.2 4.2 4 4	CR C CHSL-B SOR	GCI GCI GCI GCI
L	2188	Crown Chaser Mark II Hi-Ace Wagon Brizard Coaster Toyoace Hi-Luxe Quick Delivery	GJ-TO-103 13011-54021 -54020 -54010	4	1 2 0	90 90 90	2.5 2 4	3.8 3.9 3	CR C CHSL-B	SGI GCI GCI
L (New)	2188	Crown Chaser Mark II Hi-Ace Brizzard Coaster Toyoace Hi-Luxe Quick Delivery	GJ-TO-104 13011-54080 -54040 -54041 -54042 -540030,31,32 1 st = Half Keystone	4	1 2 0	90 90 90	2 2 4	3.8 3.9 3	CRHK C CHSL-B	SGI GCI GCI



GRIINDTECH

PISTON RINGS

2L	2400	Toyoace,Hi-Luxe Brizzard LS130V,LX80 ,LJ71G, LX90,LX130	GJ-TO-105 13011-54080 1 ST = Half Keystone	4	1 2 0	90 90 90	2 2 4	3.4 3.9 3	CRHK C CHSL-B	SGI GCI GCI
2H	3980	Land Cruiser Coaster	GJ-TO-106 13011-96601 -68010 -68020 1 st = Half Keystone	6	1 2 0	91 91 91	2.52 2.52 4	4 4 3.1	CRHK C CHSL-B	SGI GCI GCI
12H-T	3980	Bus Coaster	GJ-TO-107 13011-68030 1 st = Half Keystone	6	1 2 0	91 91 91	2.5 2.5 4	3.5 4 3.1	CRHK C CHSL-B	S GCI GCI
DR100 DQ100	4507	Truck	GJ-TO-108 13011-66010	6	1 2 3 0 0	92 92 92 92 92	2.5 2.5 2.5 4 4	3.9 3.9 3.9 3.9 3.9	CR C N CHSL-B SOR	GCI GCI GCI SGI GCI
2L-T, 2L-TE	2446	Crown Chaser Corona Mark II	GJ-TO-109 13011-54060 -54050 -54061,54062 -54100 1 ST = Half Keystone	4	1 2 0	92 92 92	2 2 4	3.6 4 3.3	CR C CHSL-B	S GCI GCI
1H,1HZ	3576	Land Crusier HZJ18V, HDJ81V	GJ-TO-110 13011- 17010,17011, -17020,17030 1 ST = Half Keystone	6	1 2 0	94 94 94	2 2 4	3.6 4 2.7	CRHK C CHSL-B	S GCI GCI
B	2977	Dyna Bu10,12,15, 20,30	GJ-TO-111 13011-56010	4	1 2 3 0	95 95 95 95	2.5 2.5 2.5 4.5	4.2 4.2 4.2 3.3	CR C N CHSL-B	GCI GCI GCI GCI
B(New)	2977	Dyna	GJ-TO-112 13011-560111 1 st = Half Keystone	4	1 2 3 0	95 95 95 95	2.5 2.5 2.5 4.5	3.9 4.3 4.3 3.3	CR C CHSL-B SOR	SGI GCI GCI GCI



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PISTON RINGS

B(New), New	2977	Dyna Toyoace	GJ-TO-113 13011- 56021,56022 -56013 -56012 1 ST = Half Keystone	4	1 2 0	95 95 95	2.5 2.5 4.5	4.1 4.3 3.4	CRHK C CHSL-B	SGI GCI GCI
10B 11B B(New, New)	2977		GJ-TO-114 13011-56040 1 ST = Half Keystone	4	1 2 0	95 95 95	2.5 2 4	3.6 4.2	CRHK C CHSL-B	SGI GCI GCI
11B	2977	Dyna Toyoace	GJ-TO-115 13011-56041 1 ST = Half Keystone	4	1 2 0	95 95 95	2.5 2.0 4.0	3.6 4.2 3.4	CRHK CR STOR	S GCI S
11B	2977	Dyna Toyoace	GJ-TO-116 13011-56030	4	1 2 0	95 95 95	2.5 2.5 4.5	3.8 4.3 3.4	CR C CHSL-B	S GCI SGI
1Z	2977	Dyna	GJ-TO-117 13011-78300	4	1 2 0	96 96 96	2 2 4	3.6 4.3 3	CR C CHSL-B	S GCI GCI
3L	2779	Toyoace Hi-Luxe Hi-Ace Van LY 51	GJ-TO-118 13011-54120 1 ST = Half Keystone	4	1 2 0	96 96 96	2 2 4	3.3 4.2 2.7	CRHK C CHSL-B	S GCI GCI
2B	3186	Land Cruiser	GJ-TO-119 13011-57010 1 ST = Half Keystone	4	1 2 0	98 98 98	2.526 2.5 4.5	4.1 4.3 3.4	CRHK C CHSL-B	GCI GCI GCI
5L	3000	Hi-Ace	GJ-TO-120 13011-54130	4	1 2 0	99.5 99.5 99.5	2 1.5 4.4	3.6 3.7 4	CR CR STOR	S GCI S
D	5890	DA100, DA100D, DC80C	GJ-TO-121 13011-79011 -76010	6	1 2 3 0 0	100 100 100 100 100	3 3 3 4 4	4 4 4 4 4	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
1D	5890		GJ-TO-122 13011-76012	6	1 2 3 0 0	100 100 100 100 100	3 3 3 4 4	4 4 4 4 4	CR C N CHSL-B SOR	SOR SOR GCI GCI GCI
3B	3431	Land Cruiser Dyna Coaster	GJ-TO-123 13011-58010 1 ST = Half Keystone	4	1 2 0	102 102 102	2.55 2.5 4.5	4.3 4.3 3.4	CRHK C CHSL-B	SGI GCI GCI



GRINDLAYS TECH

PISTON RINGS

13B	3400	Dyna Coaster	GJ-TO-124 13011-58030	4	1 2 0	102 102 102	2.5 2.5 4.5	4.1 4.3 2.8	CR C CHSL-B	S GCI GCI
13BT	3431	Toyoace Bus Dyna BUS	GJ-TO-125 13011-58040 1 ST = Half Keystone	4	1 2 0	102 102 102	2.5 2.5 4.5	4.1 4.3 2.8	CRHK C CHSL-B	S GCI SGI
3BK	3431	Dyna Coaster Land Cruiser BJ60 DAIHATSU Delta HINO Ranger HV48	GJ-TO-126 13011-58011 1 ST =Keystone	4	1 2 0	102 102 102	2.54 2.5 4.5	4.1 4.3 2.6	CRFK C CHSL-B	S GCI SGI
13B(New) 14B	3400 3700	Dyna Coaster	GJ-TO-127 13011-58050 1 st = Half Keystone	4	1 2 3	102 102 102	2.5 2 4	4.1 4.3 4	CRHK C CHSL-B	S GCI SGI
			GJ-TO-128 1 st = Half Keystone		1 2 3	102 102 102	2.5 2 4	4.1 4.3 4	CRHK C CHSL-B	S GCI SGI
14BT	3660	Dyna Coaster	GJ-TO-129 13011-58060 1 st = Half Keystone	4	1 2 0	102 102 102	3 2 4	3.8 4.3 2.35	CRHK CR STOR	S GCI S
14E	3660	Dyna Coaster	GJ-TO-130 13011-58070 1 st = Half Keystone	4	1 2 0	102 102 102	2.5 2 4	3.8 4.3 2.35	CRHK CR STOR	S GCI S
2D	6494	DA90,DB90, DA90D, DB92,DA95, DB102, DA110,DR11, DA115D, DB100C	GJ-TO-131 13011-77022 -77023 -77010 -77020 -77021	6	1 2 3 0 0	105 105 105 105 105	3 3 3 5 5	4.2 4.2 4.2 3.2 4.2	CR C N CHSL-B SOR	S GCI GCI GCI GCI
2D	6494	DA90,DB90,D A90D,DB92,D A95,DB102,D A110,DR11, DA115D, DB100C	GJ-TO-132 13011-77024	6	1 2 3 0	105 105 105 105	3 3 3 5	4.2 4.2 4.2 3.4	CR C N CHSL-B	GCI GCI GCI GCI



GRINDLAYS

PISTON RINGS

2D (New)	6494	Truck	GJ-TO-133 13011-77040 -77041 -77050 1 st = Half Keystone	6	1 2 3 0	105 105 105 105	3 2.5 2.5 5	4 4.5 4.5 3.5	CRHK C N CHSL-B	SGI GCI GCI GCI
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MAZDA

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
	800	Familia 800	GJ-MA-001 0187-23-999	4	1	58	1.5	2.7	CR	SGI
					2	58	1.5	2.7	CR	GCI
					0	58	4	2.2	CR	GCI
UA	987	Familia 1000	GJ-MA-002 0419-23-110A 1 st - HALF KEYSTONE	2	1	61	2	2.8	CRHK	SGI
					2	61	2	2.8	CR	GCI
					3	61	2	2.5	CR	GCI



GRINDLAYS TECH

PISTON RINGS

PB	987	Familia 1000 SPB,SPA,BPA V,BPAVO,PP BKV Truck FPA,FPAV,EP AH,H-FPA,H- FPAV	GJ-MA-003 0249-23-170A 0249-23-206 0259-23-170A 0259-23-206	4	1 2 0	68 68 68	2 2 4	3 3 2.425	CR C TPOR	SGI GCI S
B1	987	Truck	GJ-MA-004 B1Y1-11-SC0A	4	1 2 0	68 68 68	1.2 1.5 3	2.6 2.9 2.8	CR C TPOR	S GCI S
E1	1100	Familia Truck	GJ-MA-005 E101-23-130A E103-23-130C	4	1 2 0	70 70 70	1.5 2 4	2.8 3.1 3.2	CR C TPOR	SGI GCI S
E1	1100		GJ-MA-006 E101-23-130	4	1 2 0	70 70 70	1.2 1.5 4	3.15 3.1 3.2	CR C TPOR	S GCI S
TA	1100		GJ-MA-007	4	1 2 0	70 70 70	2.5 2.5 4	3.1 3.1 3.1	CR C CHSL-B	GCI GCI GCI
PA	985	Familia - Coupe	GJ-MA-008 0221-23-999 0271-23-206	4	1 2 0	70 70 70	2 2 4	3.1 3.1 2.5	CR CR CR	GCI GCI SGI
TB	1139	Familia 1000 STA,BTA65, BTAV,BTA55	GJ-MA-009 0268-23-170A	4	1 2 0	70 70 70	2 2 4	3.1 3.1 2.5	CR C TPOR	GCI SGI S
TB	985		GJ-MA-010 0268-23-206	4	1 2 0	70 70 70	2 2 4	3.1 3.1	CR C CHSL-B	SGI GCI GCI
PC TB	985 1139	Prest 1200 Familia 1000, 1200 STA, BTA65,BTAV BTA55,SPC, SPCV,FA3PS, A-FA30PS	GJ-MA-011 0317-23-175 0317-23-130	4	1 2 0	70 70 70	2 2 4	3.1 3.1 2.5	CR C TPOR	GCI SGI S
PC	985	Familia	GJ-MA-012 8698-23-130	4	1 2 0	70 70 70	1.5 1.5 4	3.1 3.1 3.1	CR C TPOR	GCI SGI S
B3	1300	BG3S	GJ-MA-013 B3Y1-11-SC0A B3Y0-11-SC0A	4	1 2 0	71 71 71	1.2 1.5 3	2.6 2.9 2.8	CR C TPOR	S GCI S
TC(New)	1272	Familia	GJ-MA-014 8034-23-130A	4	1 2 0	73 73 73	1.5 1.5 4	3.1 3.1 3.1	CR C TPOR	SGI GCI S



GRIIND TECH

PISTON RINGS

TC	1272	Familia 1300 STB,STBU, STC,FA3TS, FA2T55,65, BS7C,HSTBU HSTCV, HFA2555,65 Truck BTA67	GJ-MA-015 0324-23-130 0324-23-175	4	1 2 0	73 73 73	2 2 4	3.1 3.1 2.5	CR C TPOR	SGI GCI S
JF		Truck	GJ-MA-016 JFY1-11-SCO	6	1 2 0	74 74 74	1.5 1.5 4	3.1 3.4 3.1	CR C TPOR	S GCI S
UA	1484	Craft 1500	GJ-MA-017 0603-23-170 0603-23-999	4	1 2 0	75 75 75	2.5 2.5 4	3.3 3.3 2.8	CR C TPOR	GCI GCI S
DUC, UA(New)	1484	New Craft	GJ-MA-018 0571-23-170 0571-23-180	4	1 2 0	75 75 75	2 2 4	3.3 3.3 3.1	CR C TPOR	SGI GCI S
E3	1296		GJ-MA-019 E301-23-130A	4	1 2 0	77 77 77	1.2 1.5 4	3.35 3.2 3.2	CR C TPOR	S GCI S
E3	1296		GJ-MA-020 E302-23-130A	4	1 2 0	77 77 77	1.5 2 4	3.1 3.3 3.2	CR C TPOR	S GCI S
E3,E5	1490	Familia RF5V	GJ-MA-021 E301-23-130	4	1 2 0	77 77 77	1.2 1.5 4	3.35 3.2 3.2	CR C TPOR	S GCI S
E5	1500	Familia RF5V	GJ-MA-022 E512-23-130	4	1 2 0	77 77 77	1.2 1.5 4	3.1 3.2 3.2	CR C TPOR	S GCI S
UC	1415	Familia (323, GLC)	GJ-MA-023 8569-23-130A	4	1 2 0	77 77 77	1.5 1.5 4	3.2 3.2 3.2	CR C TPOR	SGI GCI S
E5	1490	Familia RF 5V	GJ-MA-024 E302-23-130A	4	1 2 0	77 77 77	1.5 2 4	3.1 3.3 3.2	CR C TPOR	S GCI S
NA(New)	1796	Luce 1800	GJ-MA-025 8170-23-130A 8658-23-130	4	1 2 0	78 78 78	1.2 1.5 4	3.35 3.6 3.7	CR C TPOR	S GCI S
NA,VB	1796	Luce 1800	GJ-MA-026 0494-23-130 0290-23- 130,131, 0305-23-130 0484-23-130	4	1 2 0	78 78 78	1.5 1.5 4	3.6 3.6 3.6	CR C TPOR	SGI GCI S



GRIIND TECH

PISTON RINGS

B6	1600	Capela BG6R,NA6CE GV6V	GJ-MA-027 B6Y0-11-SCO	4	1 2 0	78 78 78	1.5 1.5 4	3.1 3.4 3.1	CR C TPOR	S GCI S
VB	1769	Familia 1600 SN3A,SN4A,S N3AV, B-SN4A, H-SN3AV Capela SNA,B-SNA Truck BNA61, H-BN61	GJ-MA-028 3763-23-130 0222-23-206 0222-23-130	4	1 2 0	78 78 78	1.5 1.5 4	3.6 3.6 3.6	CR C TPOR	SGI GCI S
NA	1586	Luce	GJ-MA-029 H617-23-130	4	1 2 0	78 78 78	1.5 2 4	3.35 3.6 3.2	CR C TPOR	S GCI S
BG2A	1600	Capela BG6R,NA6CE GV6V	GJ-MA-030 B6Y3-11-SCO	4	1 2 0	78 78 78	1.5 1.5 3	3.1 3.4 3.1	CR C TPOR	S GCI S
MA(New) VC(New)	2000	Cosmo 2000 LA2VS,2VV, 3VS, C-LA30S,2VV	GJ-MA-031 8682-23-130A HE18-23-130	4	1 2 0	80 80 80	1.2 1.5 4	3.65 3.6 3.7	CR C TPOR	S GCI S
MA(New) VC(New)	2000	Cosmo 2000 LA2VS,2VV, 3VS, C-LA30S,2VV	GJ-MA-032 8682-23-130	4	1 2 0	80 80 80	1.2 1.5 4	3.65 3.6 3.7	CR C TPOR	S GCI S
VC,MA	2000	Luce LA2VS,2VV, 3VS, C-LA30S,2VV Cosmo C-CD2VC	GJ-MA-033 3975-23-130 0453-23-130	4	1 2 0	80 80 80	2 2 4	3.6 3.7 3.6	CR C TPOR	SGI GCI S
MA	1970	Cosmo Luce	GJ-MA-034 HE05-23-130	4	1 2 0	80 80 80	1.5 2 4	3.35 3.7 3.2	CR C TPOR	S GCI S
F6	1587	Capela	GJ-MA-035 F601-23-130	4	1 2 0	81 81 81	1.5 1.5 4	3.3 3.6 3.2	CR C TPOR	S GCI S
EVB,VA	1985	G2000	GJ-MA-036 0552-23-180 0552-23-190 1352-23-130	4	1 2 0	82 82 82	2 2 4.5	3.6 3.6 3.6	CR C TPOR	SGI GCI S



GRINDLAYS TECH

PISTON RINGS

VA	1985	Truck LE2000,EVA1 2,12D, 43S,13S Three Wheeled Vehicles TVA12,32S, 82,82A, AEVA,AEVA, B,TVADA, TVADB	GJ-MA-037 0164-11-999	4	1 2 0	82 82 82	2.5 2.5 4.5	3.6 3.6 3.6	CR C TPOR	GCI GCI S
BP	1800	Familia BG8Z,BG8P	GJ-MA-038	4	1 2 0	83 83 83	1.5 1.5 3	3.3 3.6 3.1	CR C TPOR	S GCI S
323(BPD)	1800	Lantis	GJ-MA-039 BPY4-11-SCO BPY4-11-SDO	4	1 2 0	83 83 83	1.5 1.5 3	3.3 3.6 3.1	CR C TPOR	S GCI S
FPD,FSD	1800	Familia	GJ-MA-040 FSY2-11-SCO	4	1 2 0	83 83 83	1.2 1.5 3	3.1 3.6 3.1	CR C TPOR	S GCI S
F8	1799	Bongo,Truck, Capera Cargo SS88U, GV8W	GJ-MA-041 F801-23-130 F26-1-11-SCO	4	1 2 0	86 86 86	1.5 1.5 4	3.3 3.8 3.5	CR C TPOR	S GCI S
FE	1998	Bongo GVER,HCEP, HBEP, SREOW, SREAV	GJ-MA-042 F2YA-11-SCO F2Y2-11-SCO	4	1 2 0	86 86 86	1.5 1.5 4	3.3 3.8 3.4	CR C TPOR	S GCI S
FE	2000	Truck	GJ-MA-043	4	1 2 0	86 86 86	1.2 1.5 4	3.3 3.8 3.4	CR C TPOR	S GCI S
EXA	2522		GJ-MA-044 0559-23-206	4	1 2 3 0 0	88.9 88.9 88.9 88.9 88.9	2.383 2.383 2.383 4.763 4.763	3.5 3.5 3.5 3.5 3.5	CR C N TPOR SOR	SGI SGI SGI SGI SGI
JE	3000	Center	GJ-MA-045 JEY1-11-SCO	6	1 2 0	90 90 90	1.5 1.5 4	3.3 3.8 3.4	CR C TPOR	S GCI S
G6			GJ-MA-046 G601-11-SCOA	4	1 2 0	92 92 92	1.5 1.5 4	3.3 4.1 3.4	CR C TPOR	S GCI S



GRIIND TECH

PISTON RINGS

PN	1720	Familia Diesel BG7P	GJ-MA-047 PN11-11-SCO PN62-11- SCOA	4	1 2 0	78 78 78	2 1.5 3	3.8 3.2 2	CR CR STOR	S GCI S
RF	2184	Capera, Bongo Truck SSF8V,GVFB, GVFW	GJ-MA-048 FR01-23-130A	4	1 2 0	86 86 86	2 2 4	3.5 3.6 2.5	CR C CHSL-B	SGI GCI GCI
RFX	2000	Capera	GJ-MA-049 RFY0-11- SCOD 1 st =Keystone	4	1 2 0	86 86 86	2 2 4	3.1 3.6	CRFK CR STOR	S GCI S
R2	2184	Bongo SR29V	GJ-MA-050 R201-23-130A	4	1 2 0	86 86 86	2 2 4	3.5 3.6 3.9	CR C CHSL-B	SGI GCI GCI
R2	2184	Bong SR 29V	GJ-MA-051 R2B6-11-SCO	4	1 2 0	86 86 86	2 2 3	3.1 3.7 2.1	CR C CHSL-B	S GCI SGI
XA	2522	Truck-E2500 EXA32S,33S, 35S,44S,74S, EXB43S Bus AEKA, AEXB,AEXA	GJ-MA-052 0636-23-206 0636-23-207	4	1 2 3 0 0	88.9 88.9 88.9 88.9 88.9	2.383 2.383 2.383 4.763 4.763	3.5 3.5 3.5 3.5 3.5	CR C N CHSL-B SOR	SGI SGI SGI SGI SGI
EXA	2522	E2500	GJ-MA-053 0559-23-206 0559-23-207	4	1 2 3 0 0	88.9 88.9 88.9 88.9 88.9	2.383 2.383 2.383 4.763 4.763	3.5 3.5 3.5 3.5 3.5	CR C N CHSL-B SOR	SGI SGI SGI SGI SGI
YA	3883	E3500	GJ-MA-054 0727-23-206 K0727-23-210 0727-23-207	6	1 2 3 0 0	88.9 88.9 88.9 88.9 88.9	2.383 2.383 2.383 4.763 4.763	3.5 3.5 3.5 3.5 3.5	CR C N CHSL-B SOR	SGI SGI SGI SGI SGI
EYA	3783	E3500	GJ-MA-055 0728-23-206 0728-23-209	6	1 2 3 0 0	88.9 88.9 88.9 88.9 88.9	2.383 2.383 2.383 4.763 4.763	3.5 3.5 3.5 3.5 3.5	CR C N CHSL-B SOR	SGI SGI SGI SGI SGI
S2 XA	2209 2522	Bongo,Diesel Luce (929L) LA48,BA258, BA259	GJ-MA-056 1456-23-206	4	1 2 0	88.9 88.9 88.9	2.393 2.393 4.763	3.5 3.5 2.9	CR C CHSL-B	SGI SGI GCI



GRIIND TECH

PISTON RINGS

EXC XB	2071	Titan E2700	GJ-MA-057 0528-23-206 0527-23-206	4	1	92	2.383	3.6	CR	SGI
					2	92	2.383	3.6	C	SGI
					3	92	2.383	3.6	N	SGI
					0	92	4.763	3.6	CHSL-B	SGI
					0	92	4.763	3.6	SOR	SGI
EZA VB	4052	Titan E4100 EZA, EZB	GJ-MA-058 0785-23-206	6	1	92	2.383	3.6	CR	SGI
					2	92	2.383	3.6	C	SGI
					3	92	2.383	3.6	N	SGI
					0	92	4.763	3.6	CHSL-B	SGI
					0	92	4.763	3.6	SOR	SGI
ZB	4100	Titan	GJ-MA-059 V101-23-206	6	1	92	2.38	3.6	CR	SGI
					2	92	2.38	3.6	C	GCI
					0	92	4.76	2.9	CHSL-B	GCI
K4	2000	Titan Truck	GJ-MA-060 K480-23-206 1 st =Keystone	4	1	92	2.832	3.8	CRFK	SGI
					2	92	2.4	3.8	C	GCI
					0	92	4	2.6	CHSL-B	GCI
HA	3000	Titan D3000 WE,WOFI	GJ-MA-061 1363-23-206	4	1	95	2.38	3.6	CR	SGI
					2	95	2.38	3.6	C	GCI
					0	95	4.76	2.9	CHSL-B	GCI
HA	2977	Titan D3000 E 3000 W	GJ-MA-062 SE01-23-206	4	1	95.025	2.38	3.5	CR	SGI
					2	95.025	2.38	3.5	C	GCI
					0	95.025	4.763	2.9	CHSL-B	GCI
SL	3455	Titan Truck	GJ-MA-063 SL01-23-206A 1 ST = Half Keystone	4	1	100	2.5	4.2	CRHK	SGI
					2	100	2	4.2	C	GCI
					0	100	4.5	3.2	CHSL-B	GCI
SL	3455	Titan Truck	GJ-MA-064 SL07-23-206A	4	1	100	2.5	4.2	CR	SGI
					2	100	2	4.3	C	GCI
					0	100	4.5	2.9	CHSL-B	GCI
SL	3455	Titan,Truck, Titan ,Dump	GJ-MA-065 SL50-11-SCO	4	1	100	2.5	4.2	CR	SGI
					2	100	2	4.2	C	GCI
					0	100	4.5	2.9	CHSL-B	GCI
TF	4000	Titan	GJ-MA-066 TF01-11-SCO 1 st = Half Keystone	4	1	105.5	2.5	4.5	CRHK	SGI
					2	105.5	2	4.6	C	GCI
					0	105.5	4.5	4.75	CHSL-B	GCI



GRINDLAYS

PISTON RINGS



SUZUKI

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)				Specification / Ring Type	Material
					Position	D (dia)	B (Thickness)	T (Depth)		
LC50	539		GJ-SU-001 12140- 5880/CYL 1 st , 2 nd = Half Keystone	3	1	60	2.04	2.5	CRHK CR	SGI SGI
					2	60	2.04	2.5		



GRIIND TECH

PISTON RINGS

LJ50 ST10	539	Carry Cervo Fronte ST10,AL10	GJ-SU-002 12140- 67011/CYL. 12140-63871 12140-72810 1 ST ,2 ND - HALF KEYSTONE	3	1 2	61 61	1.18 1.98	2.6 2.5	CRHK CR	S GCI
ST20			GJ-SU-003 12140- 67011/CYL. 1 ST =Ferox Coating 1 ST ,2 ND - Half Keystone	3	1 2	61 61	1.18 1.98	2.6 2.5	CRHK CR	GCI GCI
L30,L40	360		GJ-SU-004 12140- 67011/Cyl. 12140-63850 1 ST - Half Keystone	2	1 2 3	61 61 61	2 2 2	2.5 2.5 2.5	CRHK CR CR	SGI SGI SGI
L61	360		GJ-SU-005 12140- 68810/CYL. 2 nd = Half Keystone	2	1 2 3	61 61 61	2.5 2 2	2.5 2.2 2.2	CRHK CR CR	GCI GCI GCI
F8A	800	Alut Fronte LJ80	GJ-SU-006 121400-73000 12140- 73010/Cyl.	4	1 2 0	62 62 62	1.5 1.5 2.8	2.8 2.8 2.8	CR C TPOR	SGI GCI S
			GJ-SU-007 12140-73011	4	1 2 0	62 62 62	1.5 1.5 2.8	2.8 2.8 2.8	CR C TPOR	S GCI S
F8A (New)	797	Y7A	GJ-SU-008 12140- 85050/Cyl.		1 2 0	62 62 62	1.2 1.2 2.8	2.3 2.5 2.8	CR C TPOR	S GCI S
FGA	657	Alut YA1 AA6PA,DJ51T DL51V	GJ-SU-009 12140- 50E50/CYL.	3	1 2 0	65 65 65	1.2 1.2 2.5	2.3 2.7 2.5	CR C TPOR	S GCI S
FGA	657	Alut Van YA1 AA6PA,DJ51T DL51V	GJ-SU-010 12140- 51E50/CYL.	3	1 2 0	65 65 65	1.2 1.5 2.5	2.3 2.7 2.5	CR C TPOR	S GCI S
Y7AT7			GJ-SU-011 12140-73D00	4	1 2 0	65 65 65	1.2 1.5 2.5	2.3 2.7 2.5	CR C TPOR	S GCI S



GRIIND TECH

PISTON RINGS

F10A	970	SJ410,Alut Y80,Y84	GJ-SU-012 12140- 75111/CYL. 12140-75110	4	1 2 0	65.5 65.5 65.5	1.5 1.5 2.8	2.7 2.7 2.8	CR C TPOR	GCI GCI S
F10A	970	SS410	GJ-SU-013 12140- 75101/CYL.	4	1 2 0	65.5 65.5 65.5	1.5 1.5 2.8	2.7 2.7 2.8	CR C TPOR	SGI GCI S
F10A	970	Y80	GJ-SU-014 12140- 75112/CYL.	4	1 2 0	65.5 65.5 65.5	1.5 1.5 2.8	2.6 2.7 2.8	CR C TPOR	SGI GCI S
L60	550		GJ-SU-015 12140- 67820/Cyl. 1 st ,2 nd - Half Keystone	2	1 2	68 68	1.2 2	2.6 2.5	CRHK CR	GCI GCI
F8B	800	Y64 SS80	GJ-SU-016 12140- 78411/CYL.	3	1 2 0	68.5 68.5 68.5	1.5 1.5 2.8	2.7 2.8 2.9	CR C TPOR	SGI GCI S
F8B	800		GJ-SU-017 12140- 78412/CYL.	3	1 2 0	68.5 68.5 68.5	1.5 1.5 2.8	2.7 2.8 2.9	CR C TPOR	S GCI S
YE2 ZEN	1000		GJ-SU-018 12140-72F00 (12140- 72F00/CYL.)	4	1 2 0	72 72 72	1.2 1.5 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
G10	993	Y3FT Caltus 1000	GJ-SU-019 12140- 82161/cyl.	4	1 2 0	74 74 74	1.2 1.5 2.8	2.8 3.2 2.9	CR C TPOR	S GCI S
G13A, G13B	1300	Y2ASJ413 Y2A	GJ-SU-020 12140- 82051/CYL. 1214- 82050/CYL.	4	1 2 0	74 74 74	1.2 1.5 2.8	2.8 3.2 2.9	CR C TPOR	S SGI S
G15A, G15B	1600	Y0E-E	GJ-SU-021 12140- 6A50/CYL.	4	1 2 0	75 75 75	1.2 1.5 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
G15A, G16A	1600	Y0E-E	GJ-SU-022 12140- 61A00/Cyl.	4	1 2 0	75 75 75	1.2 1.5 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
G16B	1600	YB1	GJ-SU-023 12140- 61G00/Cyl.	4	1 2 0	75 75 75	1.2 1.2 2.5	2.8 3.2 2.8	CR C TPOR	S GCI S



GRINDLAYS

PISTON RINGS



HONDA

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material
					Position	D (dia)	B (Thickness)		



GRINDLAYS TECH

PISTON RINGS

N360 TN360	360	N360,TN360	GJ-HO-001 13011-567-365/Cyl. 13011-601-000/Cyl.	2	1 2 0	62.5 62.5 62.5	1.5 1.5 2.5	2.8 2.8 2.8	CR C TPOR	GCI GCI S
ER	1200	City Turbo	GJ-HO-002 13011-PD1-004/Cyl.	4	1 2 0	66 66 66	1.2 1.2 2.8	2.6 2.9 2.8	CR C TPOR	S GCI S
ER	1000	City E-AA,L-VF	GJ-HO-003 13011-PCO-004/Cyl.	4	1 2 0	66 66 66	1 1.2 2.8	2.6 2.9 2.8	CR C TPOR	S GCI S
FA	360	Life VA,PA Z360	GJ-HO-004 13011-611-004/Cyl.	2	1 2 0	67 67 67	1.5 1.5 2.8	2.8 2.8 2.8	CR C TPOR	GCI GCI S
EB-1	1200	Civic SB1	GJ-HO-005 13011-634-305/Cyl. 13011-634-004/Cyl.	4	1 2 0	70 70 70	1.5 1.5 2.8	3 3.3 2.9	CR C TPOR	SGI GCI S
EB-1	1200	New Civic	GJ-HO-006 13011-PB0-004/Cyl. 1301-634-631/Cyl.	4	1 2 0	70 70 70	1.5 1.5 4	3 3.3 3.1	CR C TPOR	SGI GCI S
EB-5	1400	145 Coupe CD H1400	GJ-HO-007 13011-642-305/Cyl. 13011-634-631/Cyl.	4	1 2 0	72 72 72	1.5 1.5 2.8	3.4 3.4 2.8	CR C TPOR	SGI GCI S
EJ,EN	1300	Civic Ballade	GJ-HO-008 13011-PA0-004/Cyl.	4	1 2 0	72 72 72	1.5 1.5 4	3.1 3.4 3.1	CR C TPOR	SGI GCI S
EJ,EN	1300	Civic Civic Van J-VC Ballade	GJ-HO-009 13011-PA1-004/Cy. 13011-PA5-005/Cyl. 13011-695-004/Cyl. 13011-673-000/Cyl.	4	1 2 0	72 72 72	1.5 1.5 4	3.1 3.4 3.1	CR C TPOR	SGI GCI S



GRINDLAYS TECH

PISTON RINGS

EJ,EN	1300	Civic Civic Van J-VC Ballade	GJ-HO-010 13011-PA5-034/Cyl. 1301-PA5-005/Cyl. 13011-PA5-014/Cyl.	4	1 2 0	72 72 72	1 1.2 2.8	2.8 3.1 2.8	CR C TPOR	S GCI S
EH	550	TN Acty(4WD)	GJ-HO-011 13011-PE09-004/Cyl.	2	1 2 0	72 72 72	1.2 1.2 4	2.8 3.1 3.1	CR C TPOR	S GCI S
EH	550	TN Acty	GJ-HO-012 13011-679-024/Cyl.	2	1 2 0	72 72 72	1 1.2 4	2.8 3.1 3.1	CR C TPOR	S GCI S
EH	550	TN Acty	GJ-HO-013 13011-679-621/Cyl.	2	1 2 0	72 72 72	1.5 1.5 4	3.1 3.4 3.1	CR C TPOR	SGI GCI S
EH	550	TN-Acty Acty Van	GJ-HO-014 13011-679-014/Cyl. 1301-679-004/Cyl.	2	1 2 0	72 72 72	1.5 1.5 4	3.4 3.4 3.1	CR C TPOR	GCI GCI S
EC	1500	Civic H-VB	GJ-HO-015 13011-657-315/Cyl. 13011-657-305/Cyl. 13011-657-604/Cyl.	4	1 2 0	74 74 74	1.5 1.5 2.8	2.9 3.2 3.4	CR C TPOR	SGI GCI S
EM ED	1500	Civic E-WD,E-SG,E-SH Ballade Accord B-SJ	GJ-HO-016 13011-PA6-004/Cyl. 13011-657-405/Cyl. 13011-671-014/Cyl. 13011-657-671/Cyl. 13011-657-674/Cyl.	4	1 2 0	74 74 74	1.5 1.5 4	2.9 3.2 3.4	CR C TPOR	SGI GCI S
EF	1600	Civic	GJ-HO-017 13011-PA6-014/Cyl.	4	1 2 0	74 74 74	1.2 1.2 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
EM	1500		GJ-HO-018 13011-590-010/Cyl.	4	1 2 0	74 74 74	1.5 1.5 2.8	3.4 3.4 3.4	CR C TPOR	GCI GCI S



GRINDLAYS

PISTON RINGS

EM	1500	Civic Ballade	GJ-HO-019 13011-568- 010/Cyl.	4	1 2 0	74 74 74	1.5 1.5 2.5	3.2 3.2 3.2	CR CR CR	GCI GCI GCI
PE6	1300	Civic 1300	GJ-HO-020 13011-PE0- 663/Cyl. 13011-PE1- 662/Cyl.	4	1 0	74 74	1.2 2.8	2.8 2.8	CR TPOR	S S
EF	1300	Civic	GJ-HO-021 13011-PE1- 004/Cyl.	4	1 2 0	74 74 74	1.2 1.2 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
EV	1300	Civic 1300	GJ-HO-022 13011-PE3- 004/Cyl.	4	1 2 0	74 74 74	1.5 1.5 4	2.8 3.2 3.5	CR C TPOR	S GCI S
PH8	1500	Civic	GJ-HO-023 13011-PH8- A02/Cyl.	4	1 2 0	75 75 75	1 1.2 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
PM0	1500	Civic	GJ-HO-024 13011-PM0- B02/Cyl.	4	1 2 0	75 75 75	1.2 1.5 4	2.8 3.2 3.1	CR C TPOR	S GCI S
P04	1500	Civic	GJ-HO-025 13011-P04- G02/Cyl.	4	1 2 0	75 75 75	1.2 1.5 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
PM3, PM4	1500	Civic	GJ-HO-026 13011-PM3- 004/Cyl. 13011-PM1- 004/Cyl. 13011-PM5- A02/Cyl.	4	1 2 0	75 75 75	1.2 1.5 2.8	2.8 3.2 2.8	CR C TPOR	S GCI S
P08	1500	Civic	GJ-HO-027 13011-P08- 004/Cyl.	4	1 2 0	75 75 75	1 1.2 2.8	2.6 3 2.5	CR C TPOR	S GCI S
P28	1500	Civic	GJ-HO-028 13011-P28- A02/Cyl.	4	1 2 0	75 75 75	1.2 1.5 2.8	2.8 3.2 2.5	CR C TPOR	S GCI S
D 16A	1500	Civic	GJ-HO-029 13011-PM6- G02/Cyl.	4	1 2 0	75 75 75	1.2 1.5 2.8	2.8 3.2 2.5	CR C TPOR	S GCI S



GRINDLAYS

PISTON RINGS

EK	1600	Quint E-SU Accord E-SV	GJ-HO-030 13011-676- 604/Cyl. 13011-PB2- 005/Cyl. 13011-676- 602/Cyl. 13011-676- 642/Cyl.	4	1 2 0	77 77 77	1.5 1.5 4	3.0 3.3 3.2	CR C TPOR	SGI GCI S
EK EP	1800	Accord E-SZ, E-SM Prelude	GJ-HO-031 13011-689- 005/Cyl. 13011-689- 015/Cyl. 13011-689- 003/Cyl. 13011-PC3- 602/Cyl. 13011-PD6- 004/Cyl.	4	1 2 0	77 77 77	1.5 1.5 4	3.1 3.3 3.2	CR C TPOR	SGI GCI S
ES	1800	Prelude	GJ-HO-032 13011-PC6- 004/Cyl.	4	1 2 0	80 80 80	1.5 1.5 4	3.2 3.4 3.4	CR C TPOR	SGI GCI S
PH2	1800	Accord 1800	GJ-HO-033 13011-PH2- 901,902Cyl.	4	1 2 0	80 80 80	1.2 1.2 2.8	3.1 3.3 3.1	CR C TPOR	S GCI S
PC7	1800	Accord 1800	GJ-HO-034 13011-PC7- 004/Cyl.	4	1 2 0	80 80 80	1.5 1.5 4	3.1 3.4 3.4	CR C TPOR	S GCI S
ES EY	1829	Accord Prelude	GJ-HO-035 13011-PD6- 004/Cyl.	4	1 2 0	80 80 80	1.5 1.5 4	3.2 3.4 3	CR C TPOR	SGI GCI S
PJ5	2000	Prelude 2000	GJ-HO-036 13011-PJ5- 602/Cyl.	4	1 2 0	81 81 81	1.2 1.5 2.8	3.1 3.2 3.1	CR C TPOR	GCI SGI S
PK1,PH3	1800	Accord Prelude	GJ-HO-037 13011-PK1- 004/Cyl. 13011-PK1- 003/Cyl.	4	1 2 0	81 81 81	1.2 1.5 2.8	3.1 3.4 3.1	CR C TPOR	S GCI S
PK1,PH3	1800	Accord Prelude	GJ-HO-038 13011-PK1- 752/Cyl. 13011-PK1- 751/Cyl.	4	1 2 0	81 81 81	1.2 1.5 2.8	3.1 3.2 3.1	CR C TPOR	S SGI S



GRIIND TECH

PISTON RINGS

PR3	1600	Integra	GJ-HO-039 13011-PR3-004/Cyl. 13011-PR4-A02/Cyl.	4	1 2 0	81 81 81	1 1.2 2.8	3.1 3.3 2.55	CR C TPOR	S GCI S
PR4	1800	Integra	GJ-HO-040 13011-PR4-Y02/Cyl.	4	1 2 0	81 81 81	1 1.2 2.8	3.1 3.3 2.5	CR C TPOR	S GCI S
P1P,PV3	2000	Ascot Sabar Rafarga Inspire	GJ-HO-041 13011-PV0-004/Cyl. 13011-PV0-014/Cyl.	4	1 2 0	82 82 82	1.2 1.2 2.8	3.1 3.3 2.8	CR C TPOR	S GCI S
A20A	2000	Prelude-2000	GJ-HO-042 13011-PH4-651/Cyl. 13011-PH4-602/Cyl. (o/s 0.3mm) 13011-PH4-651	4	1 2 0	82.7 82.7 82.7	1.5 1.5 4	3.1 3.2 3.4	CR C TPOR	S SGI S
A20A	2000	Prelude-2000	GJ-HO-043 13011-PH4-602/Cyl. (STD,0.10,040 o/s)	4	1 2 0	82.7 82.7 82.7	1.5 1.5 4	3.1 3.2 3.4	CR C TPOR	S SGI S
A20A	1800	Accord	GJ-HO-044 13011-PH4-004/Cyl.	4	1 2 0	82.7 82.7 82.7	1.5 1.5 4	3.1 3.5 3.4	CR C TPOR	S GCI S
C25A	2000	Legend	GJ-HO-045 13011-PH7-004/Cyl.	4	1 2 0	84 84 84	1.2 1.2 4	3.1 3.7 3.4	CR C TPOR	S GCI S
P3F	2200		GJ-HO-046 13011-P3F-003	4	1 2 0	84 84 84	1.2 1.2 2.8	3.1 3.4 2.5	CR C TPOR	S GCI S
F20A	2200	Accord Ascot	GJ-HO-047 13011-PT0-B02/Cyl.	4	1 2 0	85 85 85	1.2 1.2 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S
PT0	2200	Accord Ascot	GJ-HO-048 13011-PT0-004/Cyl.	4	1 2 0	85 85 85	1.2 1.2 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S
P1R,DOA	2500 2200	Sabar Accord Prelude	GJ-HO-049 13011-PT0-B04/Cyl.	4	1 2 0	85 85 85	1.2 1.2 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S



GRINDLAYS

PISTON RINGS

PT1	2200	Accord Ascot	GJ-HO-050 13011-PT1- 004/Cyl. 13011-PT1- G02/Cyl.	4	1 2 0	85 85 85	1.2 1.2 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S
F22B	2200	Accord Ascot	GJ-HO-051 13011-PT2- 004/Cyl.	4	1 2 0	85 85 85	1.2 1.2 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S
PT4	2200	Accord Ascot	GJ-HO-052 13011-PT4- X04/Cyl. 13011-PT4- X02/Cyl.	4	1 2 0	85 85 85	1.2 1.2 2.8	3.1 3.4 2.8	CR C TPOR	S GCI S
C27A	2500	Legend	GJ-HO-053 13011-PL2- 004/Cyl. 13011-PL2- 003/Cyl.	4	1 2 0	87 87 87	1.2 1.2 4	3.1 3.7 3.4	CR C TPOR	S GCI S
P13,P14 P0F,P0N P5M,P5D	2200	Accord Prelude	GJ-HO-054 13011-P13- 003/Cyl.	4	1 2 0	87 87 87	1.2 1.2 2.8	3.1 3.2 2.65	CR C TPOR	S SGI S
C30A	2900	Legend Sabar	GJ-HO-055 13011-PY3- 004/Cyl.	6	1 2 0	90 90 90	1.2 1.2 2.8	3.3 3.7 3.1	CR C TPOR	S GCI S
C32A	3200	NSX	GJ-HO-056 13011-PY3- Y02/Cyl.	6	1 2 0	90 90 90	1.2 1.2 2.8	3.3 3.7 3.1	CR C TPOR	S GCI S



GRIINDTECH

PISTON RINGS



KOMATSU

Engine Type / Model Type	C.C.	Vehicle Model / Chassis Type	Grindlays Product Code / OEM Series No.	No. of Cyl. / Set	Piston Ring Size (mm)			Specification / Ring Type	Material	
					Position	D (dia)	B (Thickness)			T (Depth)
2D92	1300	Bulldozer D20	GJ-KO-001 6140-31-2020 1 st -Keystone	2	1	92	2.868	4	CRFK C CHSL-B	SGI GCI GCI
					2	92	3	4		
					0	92	6	3.1		
4D92	2610	Bulldozer	GJ-KO-002 6141-31-2020 6140-31-2040/Cyl. 1 st -Keystone	4	1	92	2.868	4	CRFK C CHSL-B	SGI GCI GCI
					2	92	3	4		
					0	92	6	3.1		
4D94	2940	Bulldozer	GJ-KO-003 6142-32-2020 6142-32-2030/Cyl.	4	1	94	2.9	3.8	CR C CHSL-B	SGI GCI GCI
					2	94	2.5	4.1		
					0	94	5	3.1		
4D95	3260	Bulldozer	GJ-KO-004 6204-31-2200/Cyl.	4	1	95	2	4	CR CR STOR	GCI GCI S
					2	95	2	4		
					0	95	4	2.5		
SA1D95		Bulldozer	GJ-KO-005 6204-31-2201/Cyl. 6204-31-2202 (4Cyl.6Cyl.)	4	1	95	2	4	CR CR STOR	GCI GCI S
					2	95	2	4		
					0	95	4	2.5		
S4D95	3260	Bulldozer	GJ-KO-005 6202-32-2200/Cyl. 1 st =Keystone	4	1	95	2.2	4	CRFK CR STOR	GCI GCI S
					2	95	2	4		
					0	95	4	2.5		
SA1D95		Bulldozer	GJ-KO-006 6207-31-2400/Cyl. (4Cyl. 6 Cyl.) 1 st ,2 nd = Keystone	6	1	95	2.5	3.7	CRFK CRFK STOR	SGI GCI S
					2	95	2.2	4		
					0	95	4	2.5		
S6D95	4890	Bulldozer	GJ-KO-007 6207-31-2200/Cyl. 1 st =Keystone	6	1	95	2.5	3.7	CRFK CR STOR	SGI GCI S
					2	95	2	4		
					0	95	4	2.5		



GRIINDTECH

PISTON RINGS

4D95	4890	Bulldozer	GJ-KO-008 6202-32- 2300/Cyl. 1 st = Half Keystone	4	1 2 0	95 95 95	2.2 2.2 4	4 4 2.5	CRHK CR STOR	GCI GCI S
1D95L		Bulldozer	GJ-KO-009 6202-32- 2202/Cyl. (4 Cyl. 6Cyl.) 1 st = Half Keystone		1 2 0	95 95 95	2.2 2 4	4 4 2.5	CRHK CR STOR	GCI GCI S
4D105	4330	Bulldozer	GJ-KO-010 6130-32-2202 6130-32- 2302/Cyl. 6130-31-2202 6130-32- 230/Cyl.	4	1 2 0	105 105 105	3 2.5 5	4.5 4.5 3.6	CR C CHSL-B	GCI GCI GCI
S4D105	4330	Bulldozer	GJ-KO-011 6131-31-2201 6131-31- 2301/Cyl. 6130-31-2201 6130-31- 2301/Cyl. 6131-32-2201 6131-32- 2302/Cyl. 1 st =Keystone	4	1 2 0	105 105 105	3 2.5 5	4.25 4.5 3.6	CRFK C CHSL-B	SGI GCI GCI
4D105	4330	Bulldozer	GJ-KO-012 6130-31-2200 1 st =Keystone	4	1 2 0	105 105 105	3 2.5 5	4.5 4.5 3.6	CRFK C CHSL-B	GCI GCI GCI
6D105	6490	Bulldozer	GJ-KO-013 6136-31-2010 6136-31- 2030/Cyl.	6	1 2 0	105 105 105	3 2.5 5	4.2 4.5 3.6	CR C CHSL-B	SGI GCI GCI
S6D105	6490	Bulldozer	GJ-KO-014 6137-31-2202 6137-31- 2032/Cyl. 1 st =Keystone	6	1 2 0	105 105 105	3 2.5 5	4.3 4.5 3.6	CR C CHSL-B	SGI GCI GCI
S6D105	6490	Bulldozer	GJ-KO-015 6137-31- 2040/Cyl. 1 st -Keystone	6	1 2 0	105 105 105	3 2.5 5	4.3 4.5 3	CRFK CR STOR	SGI GCI S



GRINDLAYS TECH

PISTON RINGS

S6D105	6490	Bulldozer	GJ-KO-016 6137-31- 2030/Cyl. 1 st -Keystone	6	1 2 0	105 105 105	3 2.5 5	4.3 4.5 3	CRFK CR STOR	SGI GCI S
SA6D110 6D110	7130	Bulldozer	GJ-KO-016 6138-31-2020 6138-31- 2030/Cyl. 1 st =Keystone	6	1 2 0	110 110 110	3 2.5 5	4.6 4.6 3.6	CRFK C CHSL-B	SGI GCI GCI
S6D110	7130	Bulldozer	GJ-KO-017 6138-32-2200 1 st =Keystone	6	1 2 0	110 110 110	3 2.5 5	4.4 4.6 3	CRFK C CHSL-B	SGI GCI GCI
4D115	5810	Bulldozer	GJ-KO-018 6100-30-2201	4	1 2 3 0	115 115 115 115	3 3 3 5	4 4 4 4	CR CR N STOR	GCI GCI GCI S
6D115	8720	Bulldozer	GJ-KO-019 6101-30-2202	6	1 2 3 0	115 115 115 115	3 3 3 5	4 4 4 4	CR C N CHSL-B	SGI GCI GCI
4D120	7240	Bulldozer	GJ-KO-020 6110-30-2200 6110-30- 2040/Cyl.	4	1 2 3 0 0	120 120 120 120 120	4 4 4 5.5 5.5	4.2 4.2 4.2 4.2 4.2	CR C N CHSL-B SOR	GCI GCI GCI GCI GCI
S4D120 4D120	7240	Bulldozer	GJ-KO-021 6110-30-2303 6110-30- 2403/Cyl. 6110-30-2302 6110-30- 2402/Cyl. 6113-30-2301 6113-30- 2401/Cyl.	4	1 2 0	120 120 120	3.5 2.5 5.5	4.8 5 3.9	CR C CHSL-B	SGI GCI GCI
6D125	11040	Bulldozer	GJ-KO-022 6150-31- 2030/Cyl.	6	1 2 0	125 125 125	2.4 2.4 3	5 5 3.3	CR C CHSL-B	GCI GCI GCI
1D125	11040	Bulldozer	GJ-KO-023 6150-31- 2032/Cyl. (4Cyl., 6 Cyl.) 1 st =Keystone		1 2 0	125 125 125	2.4 2.4 4	5 5 3.4	CRFK C CHSL-B	SGI SGI GCI



GRIIND TECH

PISTON RINGS

1D125		Bulldozer	GJ-KO-024 6150-31- 2033/Cyl. (4Cyl./6Cyl.) 1 st =Keystone		1 2 0	125 125 125	2.4 2.4 4	5 5 3.4	CRFK C CHSL-B	SGI SGI GCI
1D125		Bulldozer	GJ-KO-025 6150-31- 2030/cyl. (4cyl.6cyl.) 1 st =Keystone		1 2 0	125 125 125	2.4 2 3	5 5 3.3	CRFK C CHSL-B	SGI SGI SGI
6D125	11040	Bulldozer	GJ-KO-026 6151-31- 2031/cyl. 1 st =Keystone	6	1 2 0	125 125 125	2.4 2 3	5 5.1 4.3	CRFK C CHSL-B	SGI SGI SGI
S4D130 4D130	8490	Bulldozer	GJ-KO-027 6114-30-2303 6114-30- 2403/cyl.	4	1 2 0	130 130 130	3.5 2.5 5.5	5 5.4 4.3	CR C CHSL-B	SGI GCI GCI
NRT06	12170	Bulldozer	GJ-KO-028 6685-31-2020 6685-31- 2030/cyl. 1 st .2 nd = Keystone	6	1 2 3 0	130.18 130.18 130.18 130.18	3.78 3.61 3.61 6.056	4.87 4.82 4.82 3.95	CR CRFK CR	GCI GCI GCI
NH220	12170	Bulldozer	GJ-KO-029 6620-31-2020 6620-31- 2030/cyl. 1 st .2 nd = Keystoen	6	1 2 3 0	130.18 130.18 130.18 130.18	3.78 3.61 3.61 6.12	4.875 4.825 4.825 5.92	CRFK CFK N CHSL-B	SGI SGI SGI SGI
NT-855		Bulldozer	GJ-KO-030 6710-31-2023 6710-31- 2033/cyl. 1 st -Keystone	6	1 2 3 0	139.7 139.7 139.7 139.7	3.595 2.878 2.878 4.75	5.23 5.18 5.18 3.96	CRFK C N CHSL-B	SGI SGI SGI GCI
6D140	15200	Bulldozer	GJ-KO-031 6211-31-2031 6211-31- 2031/cyl. 1 st =Keystone	6	1 2 0	140 140 140	2.4 2.4 4	5.4 5.4 2.5	CRFK CR STOR	SGI SGI S
6M140	15200		GJ-KO-032 6212-31-2040 1 ST =Keystone	6	1 2 0	140 140 140	2.4 2.4 4	5.4 5.4 3	CR C CHSL-B	SGI SGI GCI



GRIINDTECH

PISTON RINGS

S4D155	12840	Bulldozer	GJ-KO-033 6125-31-2030 1 st =Keystone	4	1 2 0	155 155 155	3.68 3.548 4.737	6.06 6.06 3.95	CRFK C CHSL-B	SGI SGI GCI
4D155	12840	Bulldozer	GJ-KO-034 6127-31-2020 1 st =Keystone	4	1 2 0	155 155 155	4 3.5 6	6.4 6.2 4.6	CRFK C CHSL-B	SGI SGI GCI
4D155	12840	Bulldozer	GJ-KO-035 6127-31-2022 1 st =Keystone	4	1 2 0 0	155 155 155 155	4 3.5 6 5	6.4 6.2 4.6 602	CRFK C CHSL-B SOR	SGI SGI GCI GCI
6D155	19260	Bulldozer	GJ-KO-036 6128-31-2023 6128-31-2033 6128-31-2022 6128-31- 2032/cyl. 1 st =Keystone	6	1 2 0 0	155 155 155 155	4 3.5 6 5	6.4 6.2 4.6 6.2	CR C CHSL-B SOR	SGI SGI GCI GCI
6D155	19260	Bulldozer	GJ-KO-037 6128-31-2020 6128-31- 2030/cyl. 1 st =Keystone	6	1 2 0	155 155 155	4 3.5 6	6.4 6.2 4.6	CRFK C CHSL-B	SGI SGI GCI
S6D155 SA6D155	19260		GJ-KO-038 6128-31-2060 6128-31- 2070/Cyl. 1 st =Keystone	6	1 2 0	155 155 155	3.68 3.548 4.737	6.06 6.06 3.95	CRFK C CHSL-B	SGI SGI GCI