

Sleeve/Cylinder Liner Catalogue

SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
1	A.E.C.	AH505/AV505	FF	SJ 351154	115.9
2	A.E.C.	AH505/AV505	SF	SU 546401	115.9
3	A.E.C.	AH760/AV760	FF	SJ 351142	136.54
4	A.E.C.	AH760/AV760	SF	SU 567401	136.54
5	A.E.C.	TL12	FF	SJ 351245	136.54
6	ALFA ROMEO	1.8D,1.2	SF	SU 532201	79.37
7	ALFA ROMEO	8140.21	FF	21233502	93
8	ALFA ROMEO	8140.21	FF	21235902	93
9	ALFA ROMEO	8144.61	FF	21230702	93
10	ALFA ROMEO	8144.67	FF	21230502	93
11	ALFA ROMEO	M6 19DT.200	FF	21207802	84
12	ALFA ROMEO	M718A-160.A6.000	FF	21231302	82.6
13	ASIA	TOWNER	SF		68.75
14	ASIA	KH	SF	SJ 351249	110
15	ASIA	13/15/18/23 TON	FF	SJ 351320/EF/750	137
16	ATLAS COPCO	COMP.XA-60Pd	FF	SJ 546900	91.49
17	ATLAS COPCO	COMP.XA-80/XAS-80	FF	SJ 584201/4.236	98.48
18	ATLAS COPCO	COMP.XA-120	FF	SJ 3510784.248	101.05
19	ATLAS COPCO	COMP.XA-160bl	FF	SU 569200/6.354	98.48
20	ATLAS COPCO	COMP.XA-350	FF	SJ 351072/DS11	127
21	AUDI	DIESAL MOTOR 1.6			76.5
22	AUDI	DIESAL MOTOR 2.4			79.5
23	AUSTIN	1.5 Liter	SF	SU 498901	73.01
24	AUSTIN	12H/HA/HB/HC/&HD	SF	SU 3598	70.61
25	AUSTIN	16AA	SF	SU 3270	76.2
26	AUSTIN	19J	SF	SU 494402	90.47
27	AUSTIN	22 UA	SF	SU 221801	82.55
28	AUSTIN	A SERIES	SF	SU 2893	62.92
29	AUSTIN	A+ SERIES	SF	SU 3367	64.56
30	AUSTIN	B SERIES	SF	SU 351084	80.25
31	AUSTIN	E SERIES	SF	SU 4245	76.2
32	AUSTIN	O SERIES	SF	SU 4279	84.44
33	BARBER GREEN	ASFAL TO DE	FF	SJ 46900/3.152	91.49

34	BARBER GREEN	ASFAL TO SA37	FF	SJ 584201/4.236	98.48
SR NO	DESCRIPTION	MODEL	FINISH	A.E.PART NO	BORE
	ENGINE				MM
35	BEDFORD	1.6D	SF	SU 351283	80
36	BEDFORD	1.7D/DR	SF	SU 351376	82.5
37	BEDFORD	200/300	FF	SJ 241600	98.4
38	BEDFORD	214	SF	SU 2083	85.73
39	BEDFORD	220/330	SF	SU 497303	103.18
40	BEDFORD	220/330	SF	SU 497301	103.18
41	BEDFORD	220/330	FF	KT 4062 FV	103.18
42	BEDFORD	220/330	FF	KT 4062 FVX	103.18
43	BEDFORD	292	FF		98.43
44	BEDFORD	381	SF		104.78
45	BEDFORD	4.11	SF	SU 553201	79.38
46	BEDFORD	466	SF	SU 554501	115.89
47	BEDFORD	500	SF	SU 351162	115.88
48	BEDFORD	60 SERIES	SF	SU 515101	104.78
49	BEDFORD	C 190	SF	SU351244	86
50	BEDFORD	C 190	FF	KM86JF/1	86
51	BMW	M70/B50		894002190	84
52	BRASITALIA	TRACTOR 300C	FF	SJ 546900/3.152	91.49
53	CASE	W20/W18	SF	SU 351281/352	97
54	CASE	TRACTOR 580	FF	SJ 546900/4.203	91.49
55	CASE	TRACTOR 580 H	FF	SJ 584201/4.236	98.48
56	CASE	TRACTOR 4490	FF	SJ 351072/DS11	127
57	CATERPILLAR	D353/D379/D398 D399 8N9174	FF	WS-527H	158.75
58	CATERPILLAR	D6/D334/33043/ 3306/D330/D333C	FF	WS-476HX	120.65
59	CATERPILLAR	3304/3306/3306D D333C/3306B/D33 4/167	FF	WS-476HX	120.65
60	CATERPILLAR	D343/D346/D348/ D349	FF	WS-455-HX	137.16
61	CATERPILLAR	3406/3408/3412 2W6000	FF	WS-528HX	137.16
62	CATERPILLAR	D3116 7C6208	SF		105
63	CATERPILLAR	3204 7W2293	SF	DS-576	114.3
64	CATERPILLAR	3204 9N6275	SF	DS588	114.3
65	CATERPILLAR	D342C, 342T, 64, D386, 8N5676	FF	WS-530HX	146.05
66	CBT	TRACTOR 1065	SF	SU 607501/314	97
SR NO	DESCRIPTION	MODEL	FINISH	A.E.PART NO	BORE

	ENGINE				MM
67	CBT	TRACTOR 1015	SF	SU 351281/352	97
68	CBT	TRACTOR 8440	SF	SU 351281/366	97.5
69	CBT	TRACTOR 1000	FF	SJ 546900/4.203	91.49
70	CBT	TRACTOR 8440	FF	SJ 3510784.248	101.05
71	CBT	TRACTOR 82602500	FF	SU 569200/6.354	98.48
72	CBT	TRACTOR 8060	SF	SU 351281/352	97
73	CHEVROLET	PICK UP D10/20/40	FF	SJ 58420/4.236	98.48
74	CHEVROLET	CAMINHAO 11000	FF	SU 569200/6.354	98.48
75	CHEVROLET	140	SF		85.73
76	CHEVROLET	153	SF		98.43
77	CHEVROLET	350	SF		101.6
78	CHRYSLER	170 Slant 6	SF		86.36
79	CHRYSLER	198 Slant 6	SF		86.36
80	CHRYSLER	215 Slant 6	SF		86.36
81	CHRYSLER	245	SF		95.25
82	CHRYSLER	265/318	SF		99.31
83	CHRYSLER	273	SF		92.08
84	CHRYSLER	360 V8	SF		101.6
85	CHRYSLER	D400	FF	SJ 584201/4.236	98.48
86	CIBER	ASFLTO	FF	SJ 546900/4.203	91.49
87	CIBER	SA11/14/15	FF	SJ 584201/4.236	98.48
88	CIBER	JATO MIX 950	FF	SJ 546900/3.152	91.49
89	CITROEN	XUD5/XUD7	SF		83
90	CITROEN	B22/M22	FF	CH2860100	90
91	CITROEN	U25/M25/B25	FF	CH2403100	93
92	CITROEN	161A		89316190	80
93	CITROEN	XUD9/A/B/L/Y	SF	CH 2334100	83
94	CLAYTON DEWANDRE	13.5 CU FT, 15 CU FT	FF	SJ 3436	66.69
95	CLAYTON DEWANDRE	13.5 CU FT, 15 CU FT	FF	SJ 4278	66.69
96	CLAYTON DEWANDRE	PCGE SERIES	FF	SJ 4284	85
97	CLAYTON DEWANDRE		FF	SJ 4253	66.7
98	COFAB		FF	BLOCK	94
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
99	CUMMINS	3B2.9/4B3.9	SF	DS-557	102.02
100	CUMMINS	KT/KTA	FF	WS-545	158.75
101	CUMMINS	N14 (3904 166)	SF		101
102	CUMMINS	NH 220	FF	WS-448	130.18
103	CUMMINS	NT 380			139.7

104	CUMMINS	NT855, NTC475	FF	WS-555	139.7
105	DAF	DF/DT/DTD 615	FF	SJ 351028	104
106	DAF	DNTD 620	FF	SJ 351350	104.2
107	DAF	D575	FF	SJ 531601	100.62
108	DAF	DH825/DHU825/ DU825/DHTD825/ HS200/HT168 DK	FF	SJ 351103	118
109	DAF	DKS/DKSE/DKX EDKA/DKDL/DKL, KT191, L210, WS222, S225, WS259, WS282	FF	SJ 351351	130
110	DAF	XD 3T		89412190	94
111	DAIHATSU	12R	SF	SU4264	80.5
112	DAIHATSU	1Y/2Y	SF		85.73
113	DAIHATSU	4K	SF		74.98
114	DAIHATSU	5K	SF		87.3
115	DAIHATSU	B	SF	SU 351232	95
116	DAIHATSU	B	SF	SU 351323	95
117	DAIHATSU	DG	FF	SJ 351324 SJ 3513	88
118	DAIHATSU	DL	FF	SJ 351321 SJ 3513	92
119	DAIHATSU		SF		85.73
120	DAIMLER	4.2	SF	SU 3981	92.07
121	DAIMLER BENZ	OM 314	SF	SU 607501	97
122	DAIMLER BENZ	OM 321	SF	SU 463801	95
123	DAIMLER BENZ	OM 352	SF	SU 351281	97
124	DAIMLER BENZ	OM 355	SF	SU 351094	128
125	DAIMLER BENZ	OM 366/OM 364	SF	SU 351281	95.2
126	DAIMLER BENZ	OM 401/2/3/4	FF	SJ 351231	125
127	DAIMLER BENZ	OM 421/422	FF	SJ 351230	128
128	DAIMLER BENZ	OM 421A/423A	FF	SJ 351340	128
129	DAIMLER BENZ	OM 424A/442A	FF	SJ 351340	128
130	DAIMLER BENZ	OM 442A/442LA	FF	SJ 351341	128
131	DAIMLER BENZ	OM 602	SF	SU 351337	87
132	DAIMLER BENZ	OM 615.913/915/615.9	SF	SU 351122/3	87
133	DAIMLER BENZ	OM 616/617	SF	SU 351119	91
134	DAIMLER BENZ	OM 636	SF	SU 453801/2	75
SR NO	DESCRIPTION	MODEL	FINISH	A.E.PART NO	BORE
	ENGINE				MM
135	DAIMLER BENZ	OM 636	SF	SU 453802	75
136	DAIMLER BENZ	AIR COMPRESSOR			90
137	DALLA SANTA	DS 180C NORA300	FF	SJ 546900/3.152	91.49
138	DAMAS		SF		68

139	DAVID BROWN	AD3/49, AD3/55, AD4/55	SF	SU 351121	100.05
140	DETROIT DIESEL	2-71, 3-71,4-71,6-71	FF	DS-550H	107.95
141	DETROIT DIESEL	4-71N, 6-71N	FF	DS-301H	107.95
142	DETROIT DIESEL	6V-92TT, 8V-92T	FF	WS-543H	122.94
143	DEUTZ	511	FF		100
144	DEUTZ	614	FF		110
145	DEUTZ	812	FF		95
146	DEUTZ	912	FF		100
147	DEUTZ	913	FF		102
148	DINAPAC	CC21/CP15/CA15	FF	SJ 584201/4.236	98.48
149	DINAPAC	CP 27	FF	SU569200/6.35 4	98.48
150	DT 75		FF		120
151	EATON YALE	G51P	FF	SJ 546900/4.203	91.49
152	EATON YALE	300B	FF	SJ 351072/DS11	127
153	EICHER	SONA			100
154..	EICHER	SONA N/C			105
155	ENGESA	EE 15/EE25	SF	SU 351281/352	97
156	EQUIPAMENTOS	R 30/40/50	FF	SJ 584201/4.236	98.48
157	EQUIPAMENTOS	R 120	SF	SU 351281/352	97
158	ESCORT	37			100
159	ESCORT	345/355			110
160	ESCORT	335			102
161	FIAT	124AC/124B/132A	SF	21204002	80
162	FIAT	124B3.132DB2, 154A1	FF	21207802	84
163	FIAT	126A2.000	SF	21204202	80
164	FIAT	1271B/AJ/AE	SF	21207702	76
165	FIAT	128A/138A	SF	21204802	80
166	FIAT		SF	21206102	84
167	FIAT	146B.000	SF	21234302	78
168	FIAT	149B3, M707BT, 149A1,54B,160A, 280AM718AT, 835AM	SF	21231302	82.6
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
169	FIAT	149B3.000	SF	21233202	82.6
170	FIAT	149B3.000	SF	21238002	82.6

171	FIAT	165A4.000-M204AA 100GC/100GS, 170A,127A,146A	SF	21205402	65
172	FIAT	203	SF	21212902	125
173	FIAT	220/8200.1	SF	21212102	120
174	FIAT	604.030/031/034/0 3504	FF	21213102	125
175	FIAT	615	FF	21210702	85
176	FIAT	8025.02		88631190	100
177	FIAT	8025.02,8035.02,	SF	21215702	99.8
178	FIAT	8031.04		89080190	103
179	FIAT	8040.04/8060.04	SF	21217502	103
180	FIAT	8040.05/8060.05	SF	21233902	104
181	FIAT	8040.25 600		89317190	104
182	FIAT	8045.01	FF	21214802	95
183	FIAT	8060.24	FF	21232202	103
184	FIAT	8065.25	FF	21232402	104
185	FIAT	8140.27	FF	21233502	93
186	FIAT	8140.27	FF	21235902	93
187	FIAT	8144.61	FF	21230702	93
188	FIAT	8144.61	FF	3231720	93
189	FIAT	8200.02		88599110	122
190	FIAT	8200.03	SF	21218602	125
191	FIAT	5205.02/8200.02	FF	21216002	122
192	FIAT	8210.02		88600110	137
193	FIAT	8215.02, 22, 8215.02	FF	21215902	137
194	FIAT	A112B1.054	SF	1200702	67.2
195	FIAT	B22.615	FF	21219302	90
196	FIAT	B22.615	FF	21219802	90
197	FIAT	B22.615	FF	21231102	90
198	FIAT	B25/637	FF	CH2403100	93
199	FIAT	U25/M25/B25	FF	CH2403110	93
200	FIAT	XUD9/A/B/L/Y	FF	CH2334100	83
201	FIAT		SF	21232302	82
202	FNV	HDS	FF	SJ 546900/4.203	91.49
203	FORD	105E, 113E, 3014E, 109E	SF	SU 3166	80.95
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
204	FORD	105E, 113E, 3014E, 109E	SF	SU 3821	80.95
205	FORD	2000/3000/3600 C5NN6	SF	SU 522801	106.7
206	FORD	201 CUIN	SF	SU 351030	111.78

207	FORD	2701E	FF		104.77
208	FORD	2703E	FF		100
209	FORD	2704(360T)	FF	KT 4125FF	104.77
210	FORD	2704(360T)	FF	SJ 351051	104.77
211	FORD	2704(360T)	SF	SU 351136	104.77
212	FORD	2704E, 2709E	SF	SU 517801	104.77
213	FORD	2704E, 2709E	SF	SU 517802	104.77
214	FORD	2708E, 2703E	SF	SU 594501	100
215	FORD	3.15	FF	SJ 546900	91.49
216	FORD	3.15	SF	SU 530201	91.49
217	FORD	360 TURBO	FF		104.78
218	FORD	4.11	SF	SU 553201	79.38
219	FORD	4000/4610/7000		SU 351030	111.76
220	FORD	4G54B	SF		88.5
221	FORD	5000/6600	SF	SU 351030	111.78
222	FORD	590E	FF	SJ 196802	100
223	FORD	590E	FF		100
224	FORD	592E MAJOR TRACTOR	FF	SJ 196802	100
225	FORD	8000/8600	SF	SU 351030	111.78
226	FORD	8100	SF	SU 351175	107.21
227	FORD	9600/9700	SF	SU 351030	111.78
228	FORD	BL09L, GSF	SF	SU 4262	73.94
229	FORD	DOVER 110(6AA)	FF	KT 4125FFXHGA	104.77
230	FORD	V8.510/AV8.510	FF	SJ 351207	107.95
231	FORD	XD3P		89412190	94
232	FORDSON MAJOR	OLD	FF	SJ 196802W	100
233	FORDSON MAJOR	NEW	FF	SJ 491601WS	100
234	GARDENER	SP 340	FF	SU 569200/6.654	98.48
235	GARDENER	LX, LXB	SF	SU 498801	119.65
236	GARDENER	LW	SF	SU 101	107.95
237	HANOMAG	OM615		88588190	87
SR NO	DESCRIPTION	MODEL	FINISH	A.E.PART NO	BORE MM
238	HANOMAG	OM314		89177190	97
239	HARSHA	T25			105
240	HATZE				75

241	HATZE				82
242	HATZE				85
243	HATZE				90
244	HIDUSTAN 50				105
245	HINO	3B	FF	SJ 351364	102
246	HINO	3B	SF	SU351238	102
247	HINO	B	FF	SJ 351309	95
248	HINO	B	FF	SJ 351310	95
249	HINO	B	SF	SJ 351232	92
250	HINO	B	SF	SJ 351323	92
251	HINO	DM 100	FF	SJ 351246	90
252	HINO	EC 100	FF	SJ 351243	97
253	HINO	EF 750	FF	SJ 351320	137
254	HINO	EH 100	FF	SJ 351236	105
255	HINO	EH 700	FF	SJ 351249	110
256	HINO	EM 100	FF	SJ 351311	124
257	HINO	HO7C	FF	SJ 351249	110
258	HINO	WO4D/WO46D	FF	SJ 351301	104
259	HUBER WABCO	140	SF		128
260	HUBER WABCO	140S/165S/165SSA	FF	SJ 351072 D11	127
261	HYSTER	KARRY KRANE	FF	SJ 546900/3.152	91.49
262	HYSTER	H35-45-55N	FF	SJ 546900/3.152	91.49
263	HYSTER	H60-80-90J	FF	SJ 584201/4.236	98.48
264	HYUNDAI	4D31/4D31-T	SF	SU 351258	100
265	HYUNDAI	4D55/4D56T	SF	SU 351279	91.1
266	HYUNDAI	4G33	SF		73.03
267	HYUNDAI	4G36	SF		73.03
268	HYUNDAI	6D16	FF	SJ 651616	118
269	HYUNDAI	6D22/6D22T	FF	SJ 351261	130
270	HYUNDAI	8DC90/8DC90A	FF	SJ 351325	135
271	HYUNDAI	8DC91/8DC91A	FF	SJ 351319	135
272	IDEAL	CA 1170	SF	MWM	105
273	IFA	W50	FF		120
274	IFA	L60	FF		120
275	IHC	BD 264	FF	SJ 181601	101.6
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
276	INGERSOLRAND	COMP DRE 125	FF	SJ 546900/4.203	91.49

277	INGERSOLRAND	DRR 160/IR 175	FF	SJ 546900/4.203	91.49
278	INGERSOLRAND	DR 160CFM	FF	SJ 584201/4.236	98.48
279	INNOCENTI	A1122B2	FF	21205402	65
280	INNOCENTI	127AB/AJ/AE	FF	21207702	76
281	INNOCENTI	149B3.000	SF	21233202	82.6
282	INNOCENTI	149B3.000	SF	21238002	82.6
283	INTERNATIONAL	BD 264	FF	SJ 181601	101.6
284	INTERNATIONAL	C 152	SF	DS 202	85.73
285	INTERNATIONAL	TD25	FF		
286	INTERNATIONAL	TD9B	FF		
287	INTERNATIONAL	TD9C-221/263	SF	DS 343	90.5
288	ISUZU	4BA1	FF	KM 98JF	98
289	ISUZU	4BB1	SF		102
290	ISUZU	4BB1	FF	KM 102JF	102
291	ISUZU	4BC2	FF	KM 102JF/1	102
292	ISUZU	4BC2	FF	KM 102JF	102
293	ISUZU	4BD1	FF	KM 102JF	102
294	ISUZU	4BE1	FF	KM 105JF	105
295	ISUZU	4EC1	SF	SU 351313	76
296	ISUZU	4FB1/4FC1	SF		84
297	ISUZU	4FD1	SF		88
298	ISUZU	4JA1	FF	KM 93JF	93
299	ISUZU	4JB1	FF	KM 93JFL	93
300	ISUZU	4JG2	FF		95.4
301	ISUZU	6BB1	SF		102
302	ISUZU	6BB1	FF	KM 102JF	102
303	ISUZU	6BD1	SF		102
4	ISUZU	6BD1	FF	KM 102JF	102
305	ISUZU	6BG1	FF	KM 105F	105
306	ISUZU	6RA1, 6RA1T	FF		135
307	ISUZU	6RA1TC, 6RB1	FF		135
308	ISUZU	6RB1T, 6RB1TC	FF		135
309	ISUZU	C190	FF	KM86JF/1	86
310	ISUZU	C190/C240	SF	SU 351244	86
311	ISUZU	C201	SF	SF 351096	83
312	ISUZU	C221	FF	KM83JF	83
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
313	ISUZU	C223	FF	KM88JF	88
314	ISUZU	C223	SF	SU 351275	88

315	ISUZU	C240	FF	KM86JF	86
316	JACTO	CAFÉ K3	FF	SJ 584201/4.236	98.48
317	JAGUAR	4.2	SF	SU 3981	92.08
318	JEEP	4.17	FF	SJ 351176	92
319	JEEP	134	SF	SU 1703	79.37
320	JOHN DEERE		FF		102
321	JOHN DEERE				110
322	JOHN DEERE	4276D, 4276T, 6414D, 6414T	FF	WS 529	106.5
323	KAMAZ		FF		120
324	KARAZ		FF		130
325	KHD	511	FF		100
326	KHD	614	FF		100
327	KHD	812	FF		95
328	KHD	912	FF	SJ 351065V1	100
329	KHD	913	FF	SJ 351170V1	102
330	KIA	K2400	FF		92
331	KIA	K2700	FF		94.5
332	KIA	R2	SF	SU 351297	86
333	KIA	S2	FF	SJ 351253	88.9
334	KIA	SL	FF	SJ 351256	100
335	KIA	ZB	FF	SJ 351254V1	92
336	KIA	EM 100	FF	SJ 351311	124
337	KIA	EF 750	FF	SJ 351320	137
338	KIRLOSKAR	AA1			80
339	KIRLOSKAR	JA1			85
340	KIRLOSKAR	TA1			87.5
341	KIRLOSKAR	TA			90
342	KIRLOSKAR	AJ1			95
343	KIRLOSKAR	AJ1			102
344	KIRLOSKAR				68
345	KOMATSU	4D130	FF		130
346	KOMATSU	6D125	FF		125
347	KOMATSU	D40	FF		115
348	KOMATSU	D50	FF		120
349	KOMATSU	D80	FF		155
350	KOMATSU	D30E-16B/D50A-15 C	SF	SU351281/352	97
351	KOMATSU	6D95	FF	SJ 351302	95
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
352	KRANE KAR	AX/AY	SF	SU351281/352	97
353	LANCIA	828 AC.3	SF	21207702	76
354	LANCIA	132A.B.000	SF	21204002	80
355	LANCIA	831D.000	SF	21231302	82.6
356	LANCIA	828 DB.0/3	SF	212106102	84

357	LANCIA	A112A5	SF	21205402	65
358	LANDROVER	8 CYL	SF	SU 4244	88.86
359	LANDROVER	12J	SF	SU 494402	90.48
360	LANDROVER	2.6L	FF	SJ 4308	80
361	LANDROVER	3.9LEF	SF	SU 4286	94
362	LEYLAND	400	FF	HJ 498400	107.23
363	LEYLAND	12J	SF	SU 494402	90.48
364	LEYLAND	4/98/6/98	FF	SJ 351107	98
365	LEYLAND	401	FF		107.23
366	LEYLAND	B SERIES	SF	SU 351084	81.2
367	LEYLAND	D3.152	FF	SJ546900/ 3.15	91.49
368	LISTER	HA	FF		101.65
369	LISTER	HR	FF	OLD	108
370	LISTER	LD	FF		76.2
371	LISTER	LR	FF		76.2
372	LISTER	LT	FF		82.5
373	LISTER	SL	FF		80.96
374	LISTER	SR	FF		88.9
375	LISTER	ST	FF		95.25
376	LISTER	TR	FF		98.5
377	LISTER	TS	FF		95
378	LISTER	VM	FF	OLD	105
379	LOCOMOTIVE	3D12	FF		150
380	LOMBARDANI	A20			85
381	LOMBARDANI				82
382	LOMBARDANI	5 HP	SF		78
383	M. FERGUSON	A3.152	FF	SJ 546900	91.49
384	M. FERGUSON	A4.212	FF	SJ 351150	98.48
385	M. FERGUSON	A4.248	FF	SJ 351166	101.05
386	MACK TRUCKS	END-673/A/B/C	FF	DS 240X	123.83
387	MACK TRUCKS	ENDT-673/5/6 ETZB673E/ ETYB673E/	FF	DS-464H	123.83
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
388	MACK TRUCKS	END-707 END-711/A/B/T ENDD-711	FF	DS-523	127
389	MALVES	MD 920C/MD9	SF	SU 351281/352	97

390	MAN	D 1146	FF		111
391	MAN	D 2156	FF	SJ 351145	121
392	MAN	D 2366	FF		123
393	MAN	D 2848	FF		128
394	MAN	0226 M		89091110	102
395	MAN	D 0824		89339110	108
384	M. FERGUSON	A4.212	FF	SJ 351150	98.48
385	M. FERGUSON	A4.248	FF	SJ 351166	101.05
386	MACK TRUCKS	END-673/A/B/C	FF	DS 240X	123.83
387	MACK TRUCKS	ENDT-673/5/6 ETZB673E/ ETYB673E/	FF	DS-464H	123.83
388	MACK TRUCKS	END-707 END-711/A/B/T ENDD-711	FF	DS-523	127
389	MALVES	MD 920C/MD9	SF	SU 351281/352	97
390	MAN	D 1146	FF		111
391	MAN	D 2156	FF	SJ 351145	121
392	MAN	D 2366	FF		123
393	MAN	D 2848	FF		128
394	MAN	0226 M		89091110	102
395	MAN	D 0824		89339110	108
396	MAN	D 1246		88324110	112
397	MARCOPLAN	MP-E3-00-00	FF	SJ 546900/3.152	91.49
398	MATADOR	F 305			78
399	MATADOR	OM 616			91
400	MAXION	55X/50-11 235/250	FF	SJ 546900/3.152	91.49
401	MAXION	65X/65R 165/265	FF	SJ 546900/4.203	91.49
402	MAXION	290/285 85X	FF	SJ 351166/4.248	101.05
403	MAXION	TRACTOR 296	SF	SU 569200/6.345	98.48
404	MAXION	TRACTOR 290	FF	SJ 584201/4.236	98.48
405	MAZDA	VA	FF		82
406	MAZDA	HA	FF	SJ 351255	95

407	MAZDA	R2	SF	SU 351297	86
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
408	MAZDA	S2	FF	SJ 351253	88.9
409	MAZDA	SL	FF	SJ 351256	100
410	MAZDA	XA	FF		88.9
411	MAZDA	XB/ZB	F	SJ 351254	92
412	MERCEDES BENZ	OM 314	SF	SU 607501	97
413	MERCEDES BENZ	OM 321	SF	SU 463801	95
414	MERCEDES BENZ	OM 352	SF	SU 351281	97
415	MERCEDES BENZ	OM 355	SF	SF 351094	128
416	MERCEDES BENZ	OM 366/OM 364	SF	SU 351281	97.5
417	MERCEDES BENZ	OM 401/2/3/4	FF	SJ 351231	125
418	MERCEDES BENZ	OM 421/422	FF	SJ 351230	128
419	MERCEDES BENZ	OM 421A/423A	FF	SJ 351340	128
420	MERCEDES BENZ	OM 424A/442A	FF	SJ 351340	128
421	MERCEDES BENZ	OM 442A/442LA	FF	SJ 351341	128
422	MERCEDES BENZ	OM 602	SF	SU 351337	87
423	MERCEDES BENZ	OM 615.913	SF	SU 351337	87
424	MERCEDES BENZ	OM 616/617	SF	SU 351119	91
425	MERCEDES BENZ	OM 636	SF	SU 453801/2	75
426	MITSUBISHI	4D30/4D31	SF	SU 351258	100
427	MITSUBISHI	4D32	SF		104
428	MITSUBISHI	4D33	SF		104
429	MITSUBISHI	4D55	SF	SU 351279	91
430	MITSUBISHI	4DR/6DR5	SF	SU 351257	92
431	MITSUBISHI	4G30/4G36	SF		73.03
432	MITSUBISHI	4G41	SF		76.2
433	MITSUBISHI	4G52	SF		83.74
434	MITSUBISHI	4G54B	SF		88.5
435	MITSUBISHI	4G62	SF		79
436	MITSUBISHI	6D16	FF		118
437	MITSUBISHI	6D22	FF		130
438	MITSUBISHI	8DC90	FF	SJ 351325	135
439	MITSUBISHI	8DC91/8DC91A	FF	SJ 351319	135
440	MITSUBISHI	KE44/KE46	SF		73.03
441	MTZ 80		FF		110
442	MULLER	COMPACT AP23	SF	SU607501/ OM314	97
443	MULLER	COMPACT T118	SF	SU 351281/352	97
444	MULLER	ROLO TANDAN	FF	SJ 546900/4.203	91.49
457	NISSAN	L 18	SF		85
458	NISSAN	L 23	SF		82.55
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
459	NISSAN	ND6	FF	SJ 351143	110.04
460	NISSAN	P	SF		85.73

461	NISSAN	PD6	FF	SJ 351149	125
462	NISSAN	PE6	FF	SJ 351237	133
463	NISSAN	RD8	FF	SJ 351308	135
464	NISSAN	RD28	SF		85
465	NISSAN	SD 22	SF	SU 351277	83
466	NISSAN	SD 22	FF	SJ 351117	83
467	NISSAN	SD 23/SD 25	FF	SJ 351289	89
468	NISSAN	SD20/SD33	SF	SU 351277	83
469	NISSAN	TD23	SF		89.5
470	NISSAN	TD25	FF	SJ 351282	92.9
471	NISSAN	TD27/TD42	FF	SJ 351307	96
472	NISSAN	TD42	FF	SJ 351307	96
473	NISSAN	Z20	SF		85
474	NISSAN	Z24	SF		88.9
475	OPEL	1600S	SF		79
476	OPEL	2.1Ltr	FF		88
477	PERKINS	135	SF		90.6
478	PERKINS	3.15	FF	KT 3600FP	91.49
479	PERKINS	3.15	FF	SJ 546900	91.49
480	PERKINS	30152D	SF		91.49
481	PERKINS	3.203D	SF		91.49
482	PERKINS	4.203D	SF	KT 3600FP	91.49
483	PERKINS	4.203D	FF	SJ 546900	91.49
484	PERKINS	4.212D	SF		91.49
485	PERKINS	4.24	FF	SJ 584201	98.48
486	PERKINS	4.25	FF	SJ 351078	101.05
487	PERKINS	4.35	SF		98.48
488	PERKINS	4.36	SF		98.48
489	PERKINS	6.35	SF	SU 569200	98.48
490	PERKINS	6.35	FF	SJ 351150	98.48
491	PERKINS	6.36	SF		104.14
492	PERKINS	6.36	SF		104.14
493	PERKINS	P3	SF		88.92
494	PERKINS	S-4T TURBO	SF		100
495	PETTER	PH 1	FF	SJ 351019	87.47
496	PETTER	PH2 AIR COOLED	FF	SJ 351267	87.47
497	PETTER	PH1W	SF	SU 617001	87.32
498	PETTER	PH2W	SF	SU 617002	87.32
499	PETTER	PJ	SF	SU 351021	96.88
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
500	PETTER	PJ	FF	OLD	96.96
501	PETTER	PJ	FF	NEW	96.96
502	PEUGEOT	CRD 93	FF	J5/35D	93
503	PEUGEOT	XC7/XC7P	FF	404/405/404L	84
504	PEUGEOT	XD2/XD2P	FF	504/504D	94
505	PEUGEOT	XD2S	FF	505D/604D	94
506	PEUGEOT	XD3	FF	505	94
507	PEUGEOT	XD85/XDP85	FF	403D/404D	85

508	PEUGEOT	XD88/XN1/2	FF	404/504D	88
509	PEUGEOT	XD90	FF	504/504GL	90
510	PEUGEOT	X1D/X1DL	FF	304D/305D	80
511	PEUGEOT	XM7/P/T	FF	504L/505GL	84
512	PEUGEOT	XUD7	FF	205D/309	80
513	PEUGEOT	XUD9	FF	305/405/309	83
514	PUMA	GT1/GTC	FF	VW1600CC	85.5
515	RABA	D2 156		88853110	121
516	RANDON	RK424/5/35/628	FF	SJ 351072 D11	127
517	RENAULT	8140.21	SF	21233520	93
518	RENAULT	8140.61	SF	21230502	93
519	RENAULT	8140.61/8040.81	SF		93
520	RENAULT	8140.27	SF	21233502	93
521	RENAULT	8140.67	SF	21230502	93
522	RENAULT	852/852.02	FF		86
523	ROVER		SF		74.25
524	RUSTON	YWA-I			100.7
525	RUSTON	YWA-III/IV			104.88
526	RUSTON	YWA-V			104.88
527	RUSTON	YWA-I FLAT FIN			111.18
528	RUSTON	YWA-II			111.22
529	RUSTON	YWA-I ROUND FIN			111.18
530	SANTA MATILDE	TRACTOR300C	FF	SJ 546900/3.152	91.49
531	SANTA MATILDE	TRACTOR500CR	FF	SJ 351166/4.248	101.05
532	SANTAL	NV110	SF	SU 351281/352	97
533	SCANIA	D 8	FF		115
534	SCANIA	DS 8	FF		115
535	SCANIA	D 11	FF	SJ 351072	127
536	SCANIA	DS 11	FF	SJ 351072	127
537	SCANIA	DS 14	FF	SJ 351137	127
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
538	SEAT	4.11		88495190	79.38
539	SEAT	OM 615		88588190	87
540	SLC	COLHEITADEIRA	FF	SJ 546900/3.152	91.49
541	SODIMIX	COMPR CR 175	FF	SJ 584201/4.236	98.48
542	SUZUKI	800	SF		62
543	SAWRAJ	FE			100
544	TATA	1210			90
545	TATA	1312			92
545	TATA	1516			97

546	TATA	407			97
547	TATA	608			95
548	TATA	692			92
549	TATA	697			97
550	TATA	807			95
551	TATA	85 MODEL			92
552	TATA	AIR COMP			70
553	TATA	D.I 6Cyl			92
554	TATA	DI			92
555	TATA	DM			90
556	TATA	MERCEDES			87.31
557	TOYOTA	11B	SF		94
558	TOYOTA	12R	SF	SU 4264	80
559	TOYOTA	13B	SF		102
560	TOYOTA	14B	SF		102
561	TOYOTA	14B	SF		102
562	TOYOTA	18R	SF		86.9
563	TOYOTA	1A/3A	SF		77
564	TOYOTA	1C	SF		83
565	TOYOTA	1GE	SF		75
566	TOYOTA	1HZ	SF		94
567	TOYOTA	1S	SF		80.5
568	TOYOTA	1Y	SF		86
569	TOYOTA	21R	SF		83.74
570	TOYOTA	22R	FF		92.08
571	TOYOTA	2A-L	SF		74.25
572	TOYOTA	2B	SF	SJ 351239	98
573	TOYOTA	2C	SF		86
574	TOYOTA	2D	FF	SJ 351144	105
575	TOYOTA	2E-L	SF		71.1
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
576	TOYOTA	2F	FF		93.65
577	TOYOTA	2H	FF	SU 351264	91
578	TOYOTA	2L	SF	SU 351305	92
579	TOYOTA	2L	SF	SU 351272	92
580	TOYOTA	2M	FF		74.98
581	TOYOTA	2P	SF		76
582	TOYOTA	2R	SF		77.4
583	TOYOTA	2T/2TB	SF		83.74
584	TOYOTA	2Y	SF		83.74
585	TOYOTA	3B	SF	SU 351238	102
586	TOYOTA	3F	FF		93.65
587	TOYOTA	3K	SF		74.25
588	TOYOTA	3L	SF		95
589	TOYOTA	3P	SF		76
590	TOYOTA	3T	SF		83.74
591	TOYOTA	3Y	SF		83.74

592	TOYOTA	4A	SF		82
593	TOYOTA	4A-GEU	SF		79
594	TOYOTA	4A-L	SF		79
595	TOYOTA	4K	SF		74.25
596	TOYOTA	4Y	SF		91
597	TOYOTA	5K	SF		79
598	TOYOTA	5M-E/GE	SF		82.2
599	TOYOTA	5R	SF		86.9
600	TOYOTA	6R/8R	SF		83.74
601	TOYOTA	7R	SF		86
602	TOYOTA	B	SF	SU 351232	95
603	TOYOTA	B	SF	SU 351223	95
604	TOYOTA	F	SF		90.1
605	TOYOTA	H	SF	SU 351242	88
606	TOYOTA	L	SF	SU 351227	91
607	VALMET	65 1D/85 1D/86 1D	SF	MWM	105
608	VME	45C/55C/55ART	SF	SU 351281/352	97
609	VME	C300 FY40/60	FF	SJ 546900/3.152	91.49
610	VME	35R	FF	SJ 546900/4.203	91.49
611	VME	C500 HY	FF	SJ 584201/4.236	98.48
612	VME	D24	SF	SU 351284	76.5
613	VOLKSWAGEN		FF		94
SR NO	DESCRIPTION ENGINE	MODEL	FINISH	A.E.PART NO	BORE MM
614	VOLKSWAGEN	1600 CC	FF		85.5
615	VOLKSWAGEN	1500 CC	SF		76.5
616	VOLKSWAGEN	1.6Ltr		89049190	76.5
617	VOLKSWAGEN	1.9Ltr		89434190	79.5
618	VOLKSWAGEN	4.17		89025190	92
619	VOLVO	TD 42	FF		105.58
620	VOLVO	TD 60	FF		98.4
621	VOLVO	TD 100	FF	SJ 351217	120.64
622	VOLVO	TD 120	FF	SJ 351115	130.2
623	VOLVO	TD 122	FF	SJ 351296	130.2
624	VOLVO	TD 70	FF	SJ 351130	104.77
625	VOLVO		SF		85.35
626	VOLVO		FF		85
627	WILLIARS	MK25			70
628	WILLIARS	MK12			55
629	YANMAR	N22Y	FF		140
630	YANMAR	TS50	FF		70

631	YANMAR	TS60	FF		75
632	YANMAR	TS70	FF		80
633	YANMAR	TS80	FF		80
634	YANMAR	TS105	FF		85
635	YANMAR	TS130	FF		92
636	YANMAR	TS155	FF		95
637	YANMAR	TS180	FF		102
638	YANMAR	TS190	FF		110
639	YANMAR	ET 500			40
640	YANMAR	ET 900			45
641	YANMAR	ET 1500			52
642	YAZ		FF		92
643	ZETOR	5911	FF		100
644	ZETOR	D1	FF		95
645	ZETOR	2511	FF		95

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209.5	
LENGTH	
MM	
BLOCK	
163	
136.2	
170	
170.3	
165.8	
173	

173	
173	
133.2	
136.2	
153	
153.5	
BLOCK	
287	
290.7	
171	
167	
167	
171	
167	
BLOCK	
150	
216.15	
227.28	
222.5	
270.84	
270.84	
290.7	
290.7	
275.49	
LENGTH	
MM	
165.1	
158.4	
216.15	
227.3	
113	
214.31	
215	
219.08	

177.8	
215.9	
215.9	
214.31	
180.98	
214.31	
190	
143.97	
190.26	
190.26	
190	
170	
140	
171.2	
215.9	
166.5	
146	
150	
215.9	
146.05	
215.9	
190.18	
154	
242.34	
215.9	
LENGTH	
MM	
219.08	
184	
161.29	
179	
190.5	
130	
215.9	
150	
150	
190.26	
219.08	
215.9	
190	
137	
150	
150	

15	
215.9	
215.9	
215.9	
170	
215.9	
215.9	
170	
150	
144	
190.22	
190.22	
170	
183.67	
160.5	
214	
222.5	
216.15	
216.15	
227.3	
145	
131.8	
LENGTH	
MM	
BLOCK	
148	
145	
152	
191.3	
246	
234.49	
293.68	
310.52	
310.25	
256.79	
170	
BLOCK	
376	
125	

138	
143	
155	
165	
170	
195	
191	
190	
170	
225	
210.25	
210	