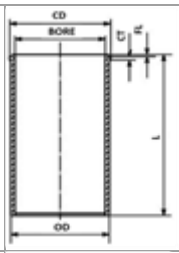
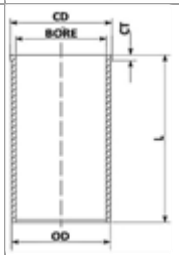
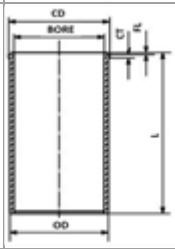
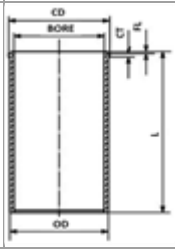
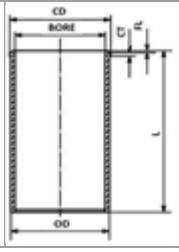
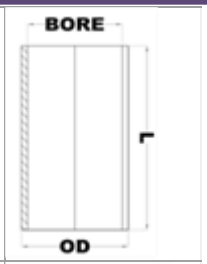
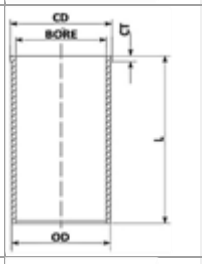
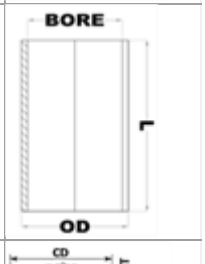
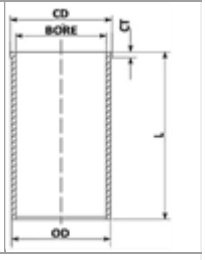
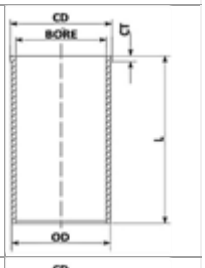
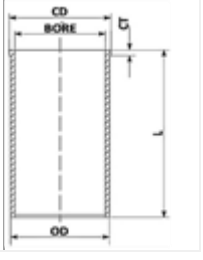
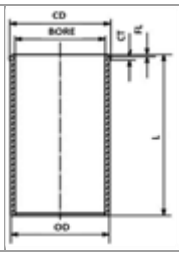
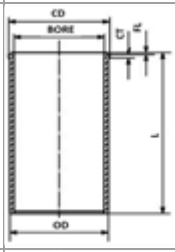
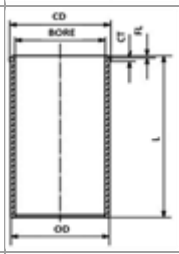
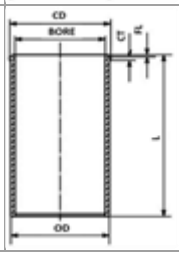
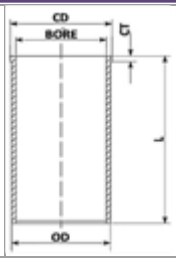
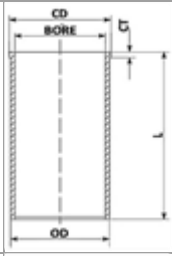
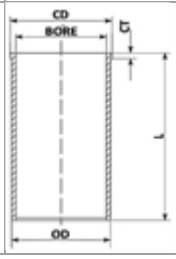
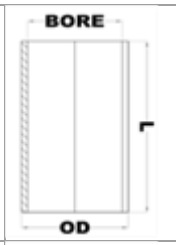
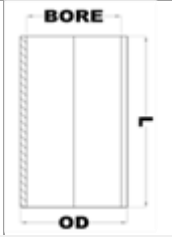
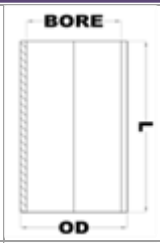
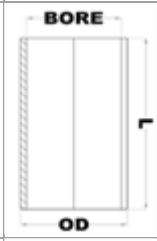
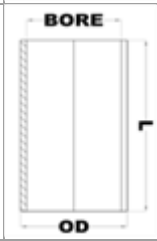
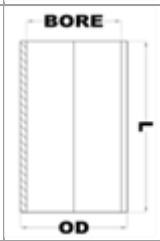
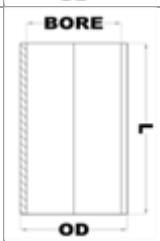
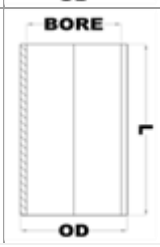
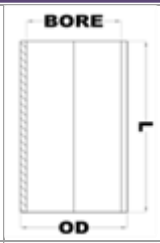
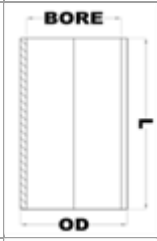
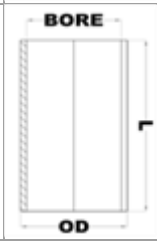
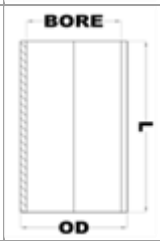
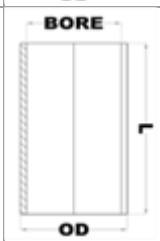
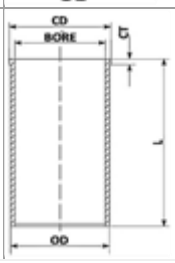
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
	A.E.C.				
A.E.C.	AH505 / AV505	SF	SU 546401	BORE:115.900 OD: 121.107 CD: 123.698 CT:7.137 FL: 1.067 L:266.141	
A.E.C.	TF - 10	SF	SJ 584602 N	BORE:120.000 OD: 127.963 CD: 137.897 CT:4.501 FL: L:289.255	
A.E.C.	AH760/AV760	SF	SU 567401	BORE:136.538 OD: 142.672 CD: 147.168 CT:9.168 FL: 1.067 L:291.529	
A.E.C.	L12/TL 12	SF	SY 351138	BORE:136.538 OD: 142.672 CD: 147.091 CT:4.597 FL: 1.067 L:290.525	
A.E.C.	TL12	SF	SJ 351245	BORE:136.538 OD: 142.672 CD: 147.091 CT:4.597 FL: 1.067 L:291.592	
	ALFA ROMEO				

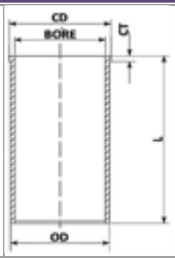
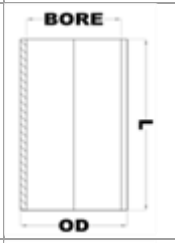
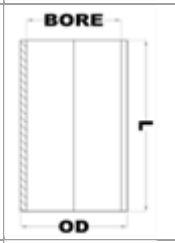
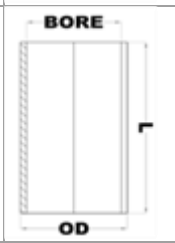
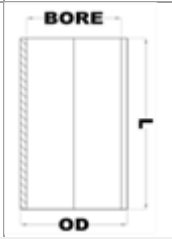
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ALFA ROMEO	154A2.000	SF	21207802	BORE:84.000 OD: 88.060 CD: CT: FL: L:152.000	
ALFA ROMEO	8140.210	SF	21233502	BORE:93.000 OD: 96.060 CD: 98.920 CT:5.000 FL: L:171.000	
ALFA ROMEO	8140.610	SF	21230502	BORE:93.000 OD: 96.060 CD: CT: FL: L:167.000	
ALFA ROMEO	8140.610	SF	21230702	BORE:93.000 OD: 97.030 CD: 100.000 CT:5.000 FL: L:167.000	
	ALLIS CHALMERS				
ALLIS CHALMERS	B125	FF	28743 WS 70	BORE:85.725 OD: 101.600 CD: 114.300 CT:6.350 FL: L:152.400	
ALLIS CHALMERS	D175, D262, D262/DA262	SF	4061520 WS 351	BORE:90.500 OD: 98.374 CD: 101.092 CT:6.350 FL: L:204.775	

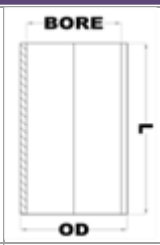
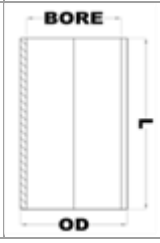
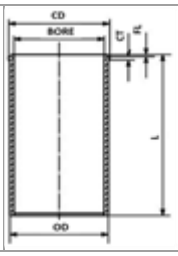
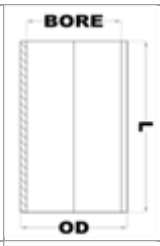
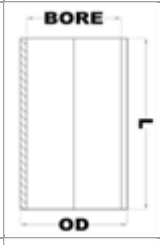
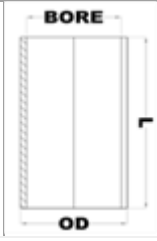
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
	ANDORIA				
ANDORIA		FF	150612	BORE:90 OD: 94 CD: 97.44 CT:4.58 FL: 0.75 L:177.1	
	ASIA				
ASIA	TOWNER	SF		BORE:68.75 OD: 74 CD: CT: FL: L:150.5	
ASIA	KH	FF	11467-1200 SJ 351249	BORE:110 OD: 112.96 CD: 117.95 CT:8 FL: 0.877 L:204	
ASIA	13/15/18/23 TON	FF	11467-1091A SJ 351320 / EF750	BORE:137 OD: 155 CD: 165 CT:12.12 FL: 0.8 L:247.8	
ASIA	F17 E GRANTO15/18T	FF		BORE:139 OD: 154 CD: 166 CT:12 FL: 1 L:248	
	AUDI				

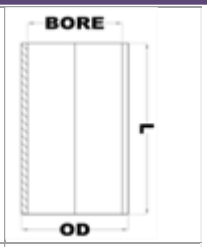
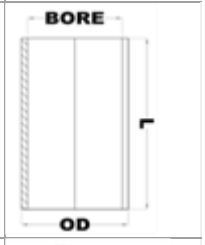
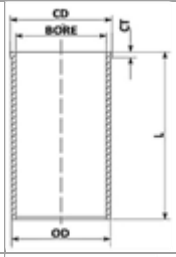
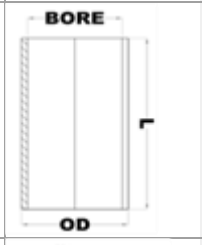
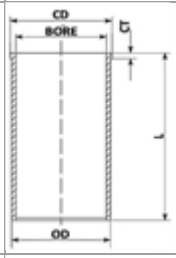
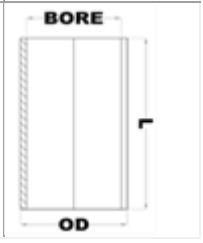
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
AUDI	1471 CC	SF	SU 351285	BORE:76.500 OD: 79.593 CD: 81.428 CT:4.800 FL: L:145.300	
AUDI	L4TD, 74KW(100PS)	SF	SU 351284	BORE:76.500 OD: 79.595 CD: 81.420 CT:4.800 FL: L:145.000	
AUDI	AUDI DIESEL MOTOR 2.4	SF		BORE:79.5 OD: 82.5 CD: 85.5 CT:4.7 FL: L:152	
	AUSTIN				
AUSTIN	ABC MARINE	SF	SU 128	BORE:55.880 OD: 58.850 CD: CT: FL: L:122.230	
AUSTIN	803 CC	SF	SU 2291	BORE:57.912 OD: 61.138 CD: CT: FL: L:131.760	
AUSTIN	997 CC	SF	SU 3813	BORE:62.420 OD: 66.190 CD: CT: FL: L:130.960	

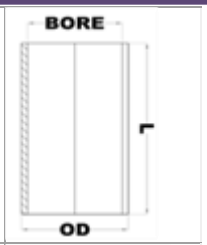
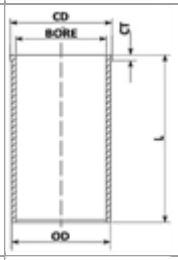
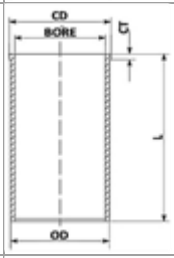
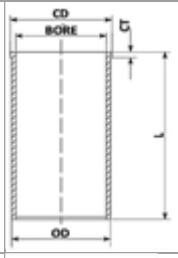
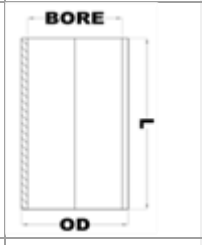
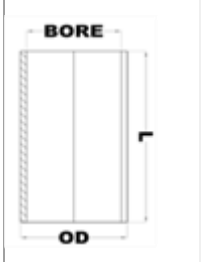
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
AUSTIN	A SERIES	SF	SU 2893	BORE:62.916 OD: 66.192 CD: CT: FL: L:130.962	
AUSTIN	A + SERIES	SF	SU 3367	BORE:64.567 OD: 67.132 CD: CT: FL: L:134.137	
AUSTIN	1200 CC	SF	SU 1788	BORE:65.470 OD: 69.108 CD: CT: FL: L:152.400	
AUSTIN	A SERIES, A + SERIES	SF	SU 3598	BORE:70.612 OD: 73.089 CD: CT: FL: L:141.275	
AUSTIN	1.5 LITRE, J4M10	SF	SU 498901	BORE:73.012 OD: 76.708 CD: CT: FL: L:163.512	
AUSTIN	B SERIES	SF	SU 2447	BORE:73.025 OD: 76.670 CD: CT: FL: L:153.988	

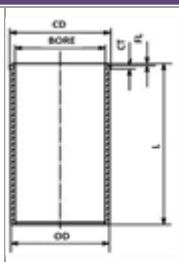
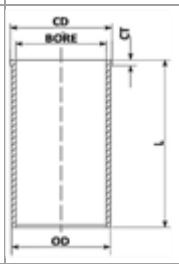
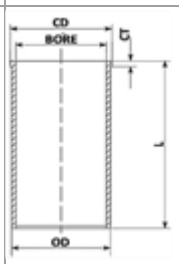
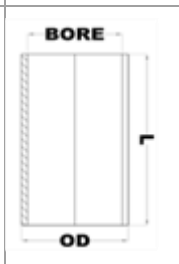
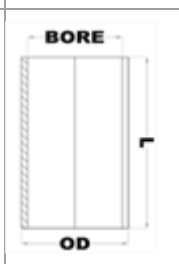
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
AUSTIN	B SERIES	SF	SU 3270	BORE:76.187 OD: 79.845 CD: CT: FL: L:154.000	
AUSTIN	E SERIES	SF	SU 4245	BORE:76.200 OD: 78.773 CD: CT: FL: L:146.431	
AUSTIN	2199 CC	SF	SU 3142	BORE:79.362 OD: 82.956 CD: CT: FL: L:188.912	
AUSTIN	B SERIES	SF	SU 351084	BORE:80.251 OD: 82.918 CD: CT: FL: L:153.924	
AUSTIN	OHV	SF	SU 3588	BORE:80.251 OD: 82.931 CD: CT: FL: L:154.000	
AUSTIN	22 UA	SF	SU 221801	BORE:82.550 OD: 86.589 CD: 89.611 CT:4.699 FL: L:193.675	

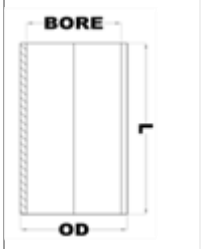
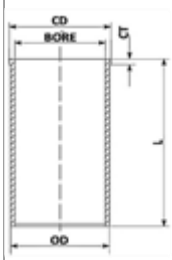
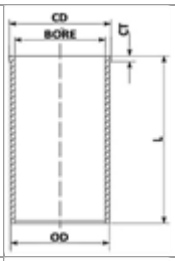
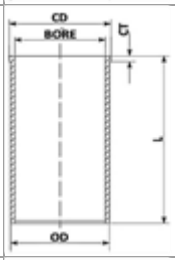
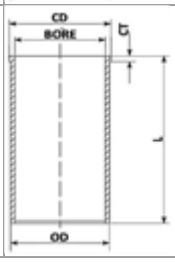
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
AUSTIN	TAXI CAB	SF	SU 22181 F	BORE:82.550 OD: 86.589 CD: 89.611 CT:4.700 FL: L:193.675	
AUSTIN	O SERIES	SF	SU 4279	BORE:84.442 OD: 87.325 CD: CT: FL: L:152.273	
AUSTIN	EA SERIES 25U	SF	SU 3969	BORE:84.938 OD: 88.976 CD: CT: FL: L:192.100	
AUSTIN	3993 CC	SF	SU 1915	BORE:87.312 OD: 89.929 CD: CT: FL: L:187.325	
AUSTIN	EA SERIES	SF	SU 584001	BORE:88.900 OD: 92.558 CD: CT: FL: L:193.675	
	AUTO BIANCHI				
AUTO BIANCHI	A112 B2	SF	21205402	BORE:65.000 OD: 68.040 CD: CT: FL: L:115.000	

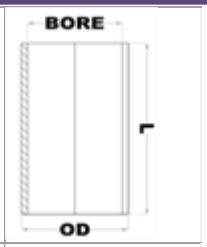
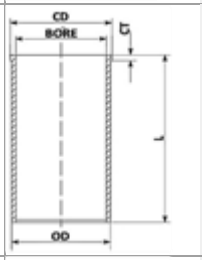
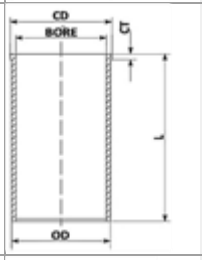
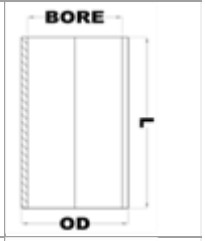
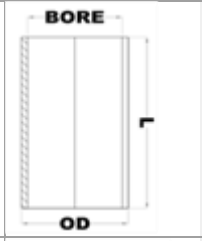
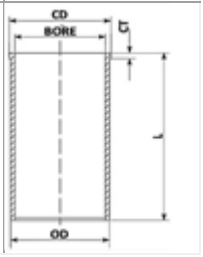
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
AUTO BIANCHI	A112B1.054	SF	21200702	BORE:67.200 OD: 70.240 CD: CT: FL: L:115.000	
AUTO BIANCHI	156A.000	SF	21207702	BORE:76.000 OD: 81.080 CD: CT: FL: L:134.300	
	BMC				
BMC		SF		BORE:72.263 OD: 77.597 CD: 78.359 CT:7 FL: L:163	
	BEDFORD				
BEDFORD	1057 CC HA	SF	SU 3587	BORE:74.295 OD: 77.876 CD: CT: FL: L:127.000	
BEDFORD	1159 CC VAN	FF	SU 3831	BORE:77.749 OD: 81.356 CD: CT: FL: L:127.000	
BEDFORD	4.108	SF	1400852 / 2400E6055A / 31358117 / 7188113 SU 553201	BORE:79.375 OD: 82.626 CD: CT: FL: L:165.1	

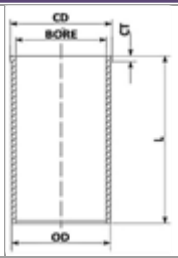
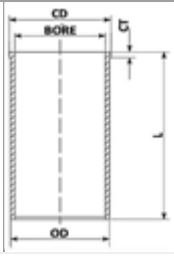
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
BEDFORD	4.108	FF		BORE:79.375 OD: 82.626 CD: CT: FL: L:165.100	
BEDFORD	1570 CC CA	FF	SU 2123	BORE:79.378 OD: 82.982 CD: CT: FL: L:142.494	
BEDFORD	1.6D	SF	SU 351283	BORE:80 OD: 83.103 CD: 84.92 CT:4.6 FL: L:143.5	
BEDFORD	1594 CC VAN	FF	SU 3744	BORE:81.636 OD: 85.801 CD: CT: FL: L:142.875	
BEDFORD	1.7D/DR	SF	SU 351376	BORE:82.5 OD: 85.58 CD: 87.4 CT:4.55 FL: L:143.35	
BEDFORD	214	SF	SU 2083	BORE:85.725 OD: 89.764 CD: CT: FL: L:179.388	

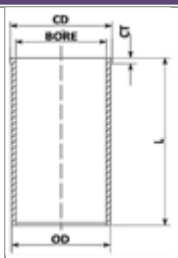
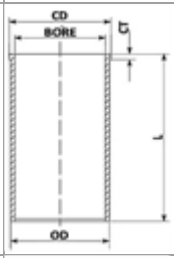
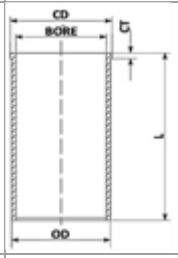
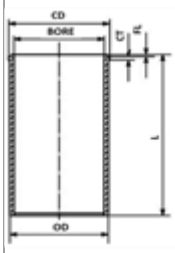
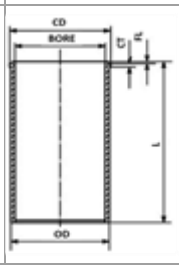
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
BEDFORD	214.000	FF		BORE:85.725 OD: 89.764 CD: CT: FL: L:179.388	
BEDFORD	C190	SF	SU 351244	BORE:86 OD: 90.125 CD: 94 CT:4 FL: L:178.5	
BEDFORD	C190	FF	9112612240 KM86JF/1	BORE:86 OD: 88.011 CD: 93.98 CT:0.922 FL: L:163.373	
BEDFORD	200/300	FF	SJ 241600	BORE:98.4 OD: 104.706 CD: 112.001 CT:4.877 FL: L:215.392	
BEDFORD	292	FF		BORE:98.425 OD: 103.264 CD: CT: FL: L:254	
BEDFORD	J6/220/330	SF	7191818 / 7216719 SU 497303	BORE:103.175 OD: 108.052 CD: CT: FL: w/o Collar L:216.154	

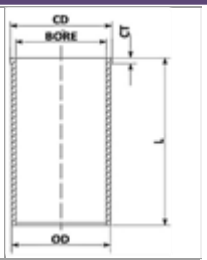
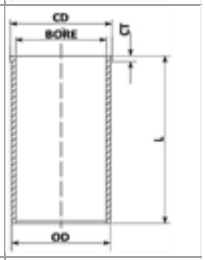
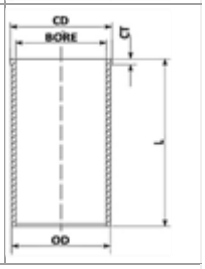
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
BEDFORD	J6/220/330	SF	7191818 SU 497301	BORE:103.175 OD: 108.052 CD: 111.04 CT:4.762 FL: Collar L:216.15	
BEDFORD	J6/220/330	FF	6360215 KT4062FV	BORE:103.175 OD: 105.273 CD: 108.407 CT:1.016 FL: L:216.154	
BEDFORD	J6/220/330	FF	7150664 KT4062FVX	BORE:103.175 OD: 105.781 CD: 108.509 CT:1.346 FL: L:216.408	
BEDFORD	381	SF		BORE:104.775 OD: 109.626 CD: CT: FL: L:266.7	
BEDFORD	60 SERIES	SF	SU 515101	BORE:104.775 OD: 108.522 CD: CT: FL: L:231.14	
BEDFORD	466	SF	7191609 SU 554501	BORE:115.888 OD: 119.634 CD: CT: FL:	

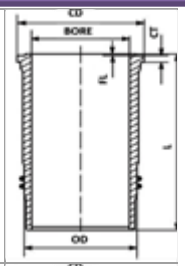
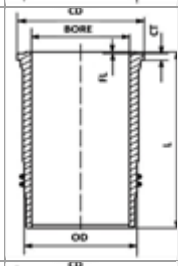
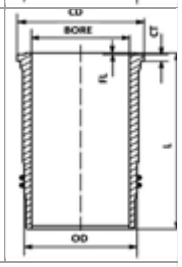
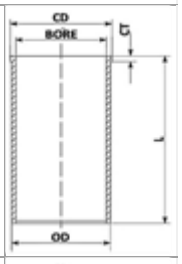
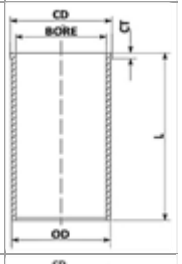
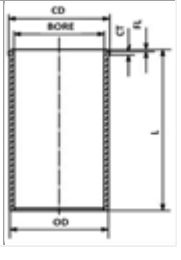
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
				L:235.458	
BEDFORD	500 PHASE I - II	FF	SU 351162	BORE:115.888 OD: 119.634 CD: CT: FL: L:237.998	
BEDFORD	500 PHASE II	FF	SU 351183	BORE:115.888 OD: 120.449 CD: 128.397 CT:9.906 FL: L:238.989	
	B.M.W.				
B.M.W.	2 LITRE	SF		BORE:66.000 OD: 69.000 CD: 72.000 CT:4.000 FL: L:158.500	
B.M.W.	M69, R-4	SF		BORE:78.000 OD: 81.000 CD: 83.000 CT:4.000 FL: L:160.000	
B.M.W.	M70 B50	SF		BORE:84 OD: 87 CD: 89 CT:4.7 FL: L:126.6	
	B.S.A.				

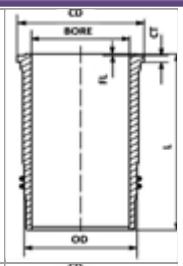
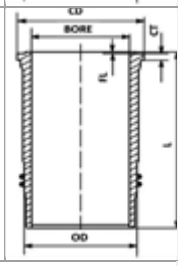
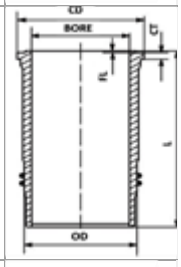
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
B.S.A.	500 CC OHV	SF	SU 2207	BORE:66.000 OD: 69.900 CD: CT: FL: L:134.938	
B.S.A.	B25 STARFIRE	SF	SU 4047ZF	BORE:67.000 OD: 73.100 CD: 77.775 CT:3.260 FL: L:122.430	
B.S.A.	C-15 SPARTMAN	SF	SU 2955ZF	BORE:67.000 OD: 70.696 CD: 74.600 CT:3.260 FL: L:123.825	
B.S.A.	650 CC ROCKET	SF	SU 2131	BORE:69.990 OD: 73.076 CD: CT: FL: L:149.225	
B.S.A.	348 CC OHV	SF	SU 734	BORE:71.000 OD: 74.050 CD: CT: FL: L:160.338	
B.S.A.	M21/ M20	SF		BORE:82.000 OD: 88.700 CD: 90.400 CT:3.200 FL: L:185.800	

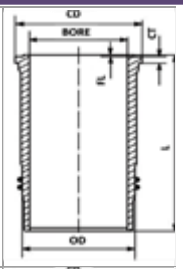
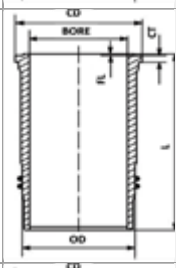
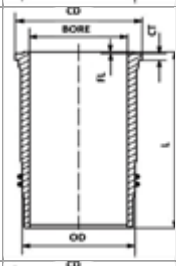
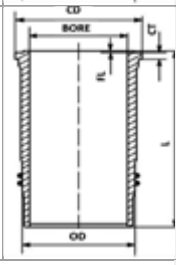
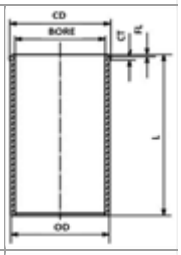
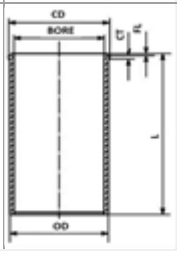
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
B.S.A.	499 CC B34	SF	SU 2662ZF	BORE:84.938 OD: 90.272 CD: 95.987 CT:3.200 FL: L:141.478	
B.S.A.	M 33 OHV	SF	SU 2107	BORE:85.000 OD: 88.976 CD: CT: FL: L:153.988	
B.S.A.	1489 CC1 1/2 LI	SF	SU 498901	BORE:73.012 OD: 76.708 CD: CT: FL: L:163.259	
B.S.A.	EA SERIES	SF	SU 3969	BORE:84.939 OD: 88.976 CD: CT: FL: L:192.100	
B.S.A.	2520 CC	SF	SU 584001	BORE:88.900 OD: 92.558 CD: CT: FL: L:193.675	
B.S.A.	BMC (NT)	FF	SJ 351172	BORE:98 OD: 110.71 CD: 117.1 CT:9.79 FL: L:218	

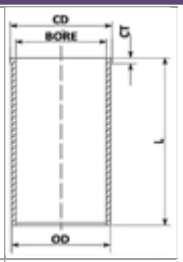
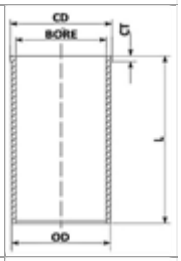
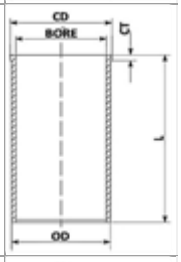
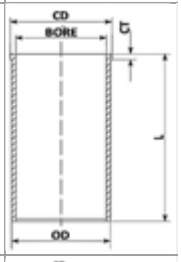
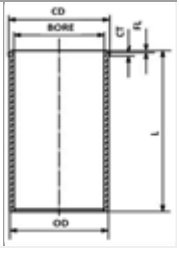
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
B.S.A.	BMC LEYLAND AUSTIN 3.8	FF	SJ 553504	BORE:100 OD: 110.8 CD: 114.22 CT:12.08 FL: L:221.5	
B.S.A.	BMC	FF	SJ 351163	BORE:100 OD: 108.5 CD: 114.22 CT:12.065 FL: L:223.076	
B.S.A.	BMC	FF	37D1837 SJ 590701	BORE:100 OD: 111 CD: 114.22 CT:12.065 FL: L:221.488	
B.S.A.	3770 CC 3.8 L	FF	SJ 553504 WS	BORE:100.000 OD: 106.312 CD: 114.224 CT:11.176 FL: 0.890 L:223.076	
B.S.A.	8.36 L, V8.510	SF	SJ 351024 ZS	BORE:107.950 OD: 113.246 CD: 116.266 CT:2.590 FL: 0.660 L:266.060	
	BUDA				

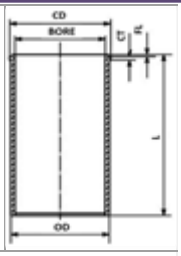
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
BUDA	4DT-212	SF		BORE:92.075 OD: 96.800 CD: 99.800 CT:3.170 FL: L:227.000	
BUDA	4DT-226	SF		BORE:95.250 OD: 100.010 CD: 103.190 CT:3.175 FL: L:228.600	
BUDA	6DT-468	SF		BORE:107.950 OD: 114.300 CD: 117.500 CT:11.100 FL: L:252.700	
	BENDIX				
BENDIX	TF 501	SF		BORE:65.53 OD: 71.4375 CD: CT: FL: L:204	
BENDIX	TF 400	SF		BORE:51.6382 OD: 57.15 CD: CT: FL: L:204	
BENDIX	TF 500	SF		BORE:62.738 OD: 68.2625 CD: CT: FL: L:203.3	
	BELARUS				

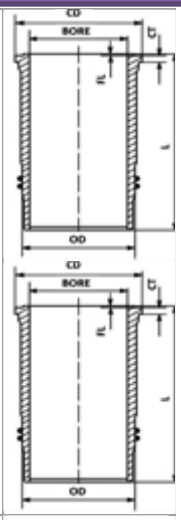
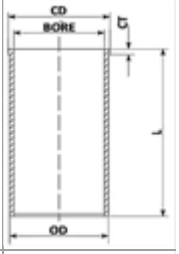
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
BELARUS	MTZ 80	FF		BORE:110 OD: 125 CD: 132.7 CT:9.15 FL: 0.8 L:246	
BELARUS	MTZ 45	FF		BORE:105.000 OD: 120.853 CD: 127.559 CT:9.271 FL: 0.762 L:251.925	
BELARUS	MTZ 50	FF		BORE:110.000 OD: 124.866 CD: 132.639 CT:9.144 FL: 0.889 L:245.288	
	CASE				
CASE	W20 / W18	SF	366 011 0610 SU 351281/352	BORE:97 OD: 100.495 CD: 103.428 CT:5 FL: L:222.5	
CASE	TRACTOR580	FF	31358322 / 31358345 SJ 546900/4.203	BORE:91.49 OD: 93.68 CD: 96.72 CT:3.81 FL: L:216.15	
CASE	TRACTOR580 H	FF	31358341 SJ 584201/4.236	BORE:98.476 OD: 103.26 CD: 106.45 CT:3.75 FL: 1 L:227.3	

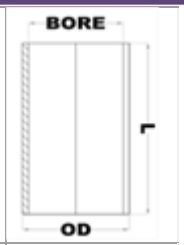
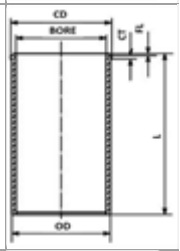
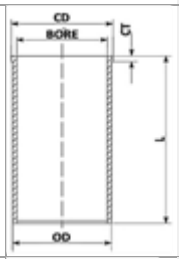
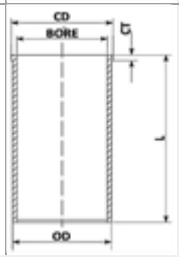
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CASE	DT 360, DT 408	FF	1809935-C3 WS 577H	BORE:101.6 OD: 113.03 CD: 120.142 CT:8.915 FL: 1.27 L:214.376	
CASE	DT 466, 1440,4100	FF	1810504-C2 WS 556H	BORE:109.22 OD: 122.301 CD: 133.223 CT:8.95 FL: 1.025 L:238.252	
	CATERPILLAR				
CATERPILLAR	D3116	SF	7C6208	BORE:105 OD: 109.86 CD: CT: FL: L:196.8	
CATERPILLAR	3204	SF	9N6275 DS-588	BORE:114.3 OD: 119.126 CD: CT: FL: L:196.85	
CATERPILLAR	D330A, 955X, D4C, 955H, 951B, D4D, 944,	FF	8S2240 / 4A 8166 / 3S 7701 WS 397HX	BORE:114.3 OD: 131.7498 CD: 139.2809 CT:10.262 FL: 1.12 L:262.73125	
CATERPILLAR	3204	SF	7W2293 DS-576	BORE:114.3 OD: 119.126 CD: CT: FL: L:196.7738	

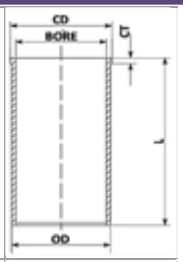
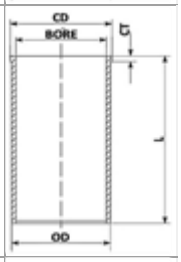
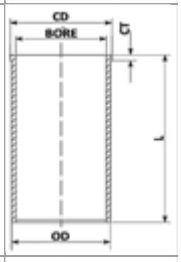
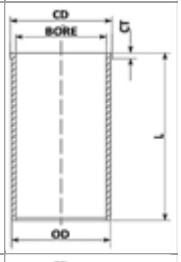
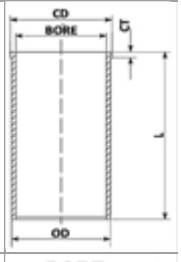
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CATERPILLAR	D6 / D334 / 3304 / 3306 / D330 / D333C / 3304 / 3306 / 3306D / D333C / 3306B / D334 / 167	FF	2P8889 / 9S6557 / 5S6346 / 8S2669 WS-476H MAHLE NO. 127 WN 13	BORE:120.65 OD: 134.34 CD: 142.875 CT:10.29 FL: 1 L:254	
CATERPILLAR	C13	FF	C1979330	BORE:130 OD: 147.9 CD: 151 CT:9.5 FL: 1 L:242.5	
CATERPILLAR	3406/3408/3412	FF	2W6000 / 7W3550 / 1W6280 WS-528HX	BORE:137.16 OD: 153.746 CD: 165.125 CT:8.89 FL: 1.04 L:273.812	
CATERPILLAR	D342C, 342T, 64,D386,	FF	8N5676 WS-530HX	BORE:146.05 OD: 168.046 CD: 177.419 CT:12.675 FL: 1.05 L:381	
	CHEVROLET				
CHEVROLET	PICK UP D10, 20, 40	FF	31358341 SJ584201, 4.236	BORE:98.476 OD: 103.26 CD: 106.45 CT:3.75 FL: 1 L:227.3	
CHEVROLET	CAMINHAO11000	FF	31358327, 31358339, 31358349 SU569200, 6.354	BORE:98.476 OD: 103.26 CD: 106.45 CT:3.75 FL: 1 L:227.3	

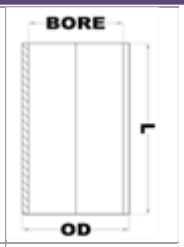
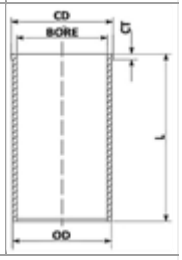
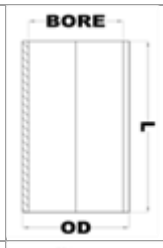
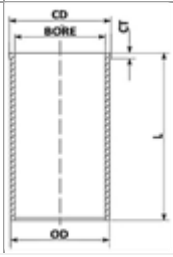
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CHEVROLET	CORSA1.4	SF		BORE:77.56 OD: 81.51 CD: 83.05 CT:5.2 FL: L:148	
CHEVROLET	350	SF		BORE:101.6 OD: 106.3 CD: CT: FL: L:139.5	
	CBT				
CBT	TRACTOR 1065	SF	SU 607501/314	BORE:97 OD: 103.099 CD: 105.926 CT:4.521 FL: L:223.012	
CBT	TRACTOR 1015 / 8440 / 8060	SF	366 011 0610 SU 351281/352	BORE:97 OD: 100.495 CD: 103.428 CT:5 FL: L:222.5	
CBT	TRACTOR 1000	FF	31358322 / 31358345 SJ 546900/4.203	BORE:91.49 OD: 93.68 CD: 96.72 CT:3.81 FL: L:216.15	
CBT	TRACTOR 8440	FF	31358346 / 31358352 / 31358391 SJ 3510784.248	BORE:101.054 OD: 104.23 CD: 107.44 CT:3.7 FL: 1 L:227.3	

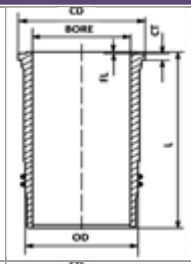
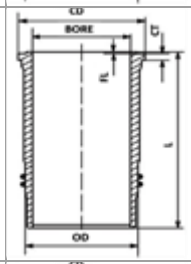
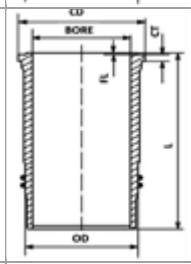
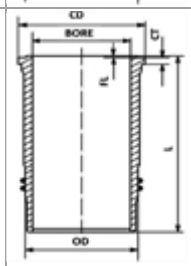
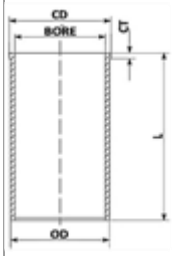
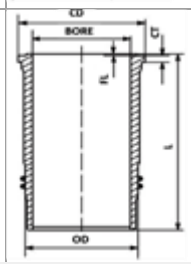
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CBT	TRACTOR 82602500	FF	31358327 / 31358339 / 31358349 SU 569200/6.354	BORE:98.476 OD: 103.26 CD: 106.45 CT:3.75 FL: 1 L:227.3	
	CHTZ RUSSIAN				
CHTZ RUSSIAN		FF		BORE:145 OD: LINER CD: CT: FL: L:	
CHTZ RUSSIAN		FF		BORE:150 OD: LINER CD: CT: FL: L:	
CHEVROLET	140	SF		BORE:85.725 OD: 90.564 CD: CT: FL: L:206.38	
CHEVROLET	153	SF		BORE:98.425 OD: 103.264 CD: CT: FL: L:254	
CHEVROLET	350	SF		BORE:101.6 OD: 106.451 CD: CT: FL: L:250.82	
	CHINESE				

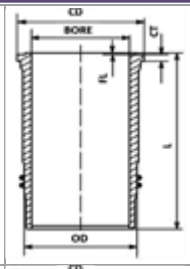
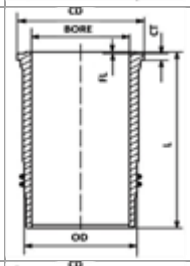
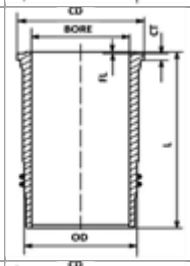
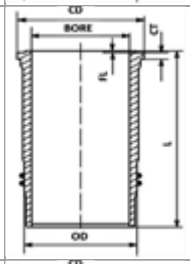
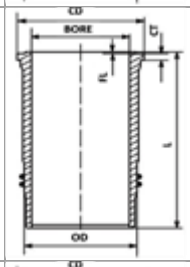
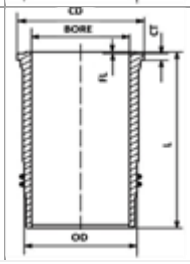
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CHINESE	Short	FF		BORE:100 OD: 113 CD: 119.75 CT:10 FL: 0.2 L:206.7	
CHINESE	Long	FF		BORE:100 OD: 113.5 CD: 119.83 CT:10 FL: L:211	
	CHRYSLER				
CHRYSLER	170 / 198 / 215 SLANT 6	SF		BORE:86.36 OD: 91.084 CD: CT: FL: L:206.375	
CHRYSLER	273	SF		BORE:92.071 OD: 96.914 CD: CT: FL: L:146.05	
CHRYSLER	245	SF		BORE:95.25 OD: 100.089 CD: CT: FL: L:250.82	

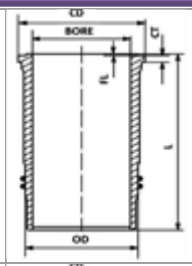
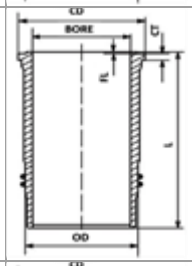
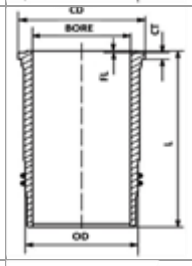
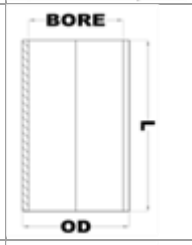
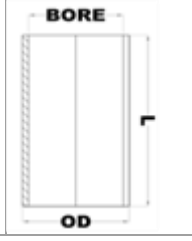
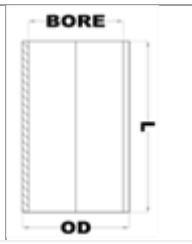
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CHRYSLER	265 / 318	SF		BORE:99.314 OD: 104.153 CD: CT: FL: L:152.4	
CHRYSLER	D400	FF	31358341 SJ584201, 4.236	BORE:98.476 OD: 103.26 CD: 106.45 CT:3.75 FL: 1 L:227.3	
CHRYSLER	360 V8	SF		BORE:101.6 OD: 106.451 CD: CT: FL: L:250.82	
	CITROEN				
CITROEN	AX	SF		BORE:72 OD: 79.5 CD: 89.2 CT: FL: L:122.5	
CITROEN	D	FF	KS 89419110	BORE:75 OD: 79.5 CD: CT: FL: L:135.4	
CITROEN	VISA 1,4	SF		BORE:75 OD: 79.5 CD: 89.2 CT: FL: L:134.5	

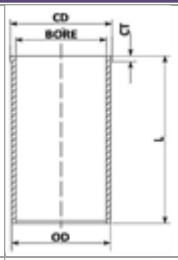
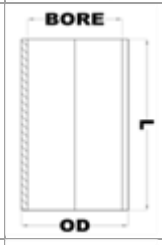
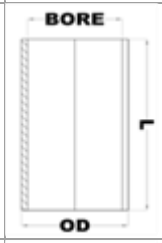
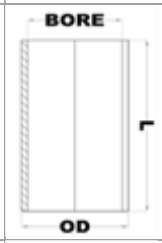
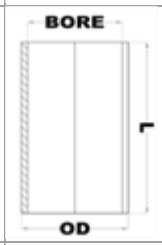
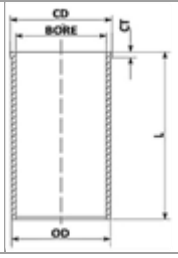
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CITROEN	XUD7 (161A) / 19A	SF	CH 2333 100	BORE:80 OD: 83 CD: 86 CT:4.5 FL: L:154	
CITROEN	XUD9/A/B, 162	SF	CH 2334 100 SU351462	BORE:83 OD: 85.6 CD: 88.5 CT:3.9 FL: L:153.5	
CITROEN	B22.615, M22/621	SF	CH 2860 100	BORE:90 OD: 94.5 CD: 96 CT:5 FL: L:164.5	
CITROEN	M25/629/660, B25/637	SF	CH 2403 100	BORE:93 OD: 97.5 CD: 99 CT:5 FL: L:163	
CITROEN	M25/629/660 , B25/637	SF	CH 2403 110	BORE:93 OD: 97.5 CD: 100 CT:5 FL: L:163	
CITROEN		SF		BORE:100.046 OD: 105.08 CD: CT: FL: L:212.217	
	CLAYTON DEWANDRE				

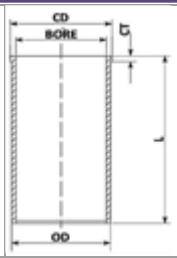
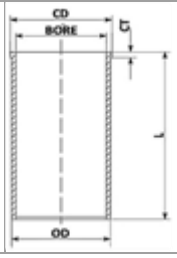
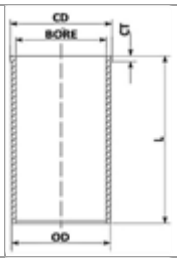
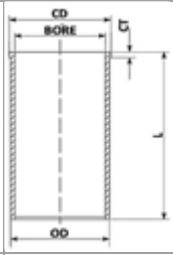
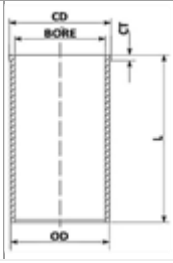
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CLAYTON DEWANDRE	13.5 CU FT, 15 CU FT	FF	SJ 3436	BORE:66.69 OD: 79.21 CD: CT: FL: L:106.528	
CLAYTON DEWANDRE	13.5 CU FT, 15 CU FT	FF	SJ 4278	BORE:66.69 OD: 79.21 CD: CT: FL: L:115.849	
CLAYTON DEWANDRE	PCGA SERIES	FF	SJ 4284	BORE:85 OD: 98.323 CD: CT: FL: L:116.053	
CLAYTON DEWANDRE	SC6	FF	SJ 4253	BORE:66.7 OD: 72.898 CD: 79.362 CT:77.292 FL: L:88.9	
	CUMMINS				
CUMMINS	3BT / 4BT / 6BT	SF	3904166 DS-557	BORE:102 OD: 104.623 CD: CT: FL: L:200.279	
CUMMINS	JBS 600	FF	1177 WL	BORE:104.77 OD: 118.26 CD: 123.82 CT:8.07 FL: L:236.53	

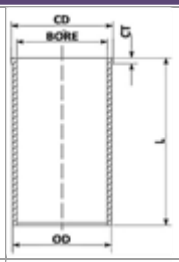
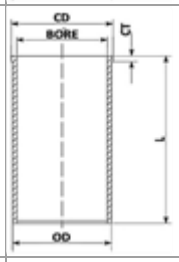
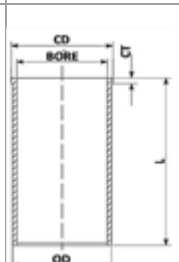
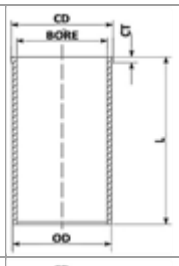
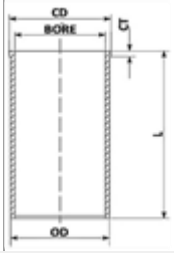
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CUMMINS	6CT A8.3	FF	3919937 / 3802407	BORE:114 OD: 132.5 CD: 130.95 CT:14.5 FL: 1.1 L:238.31	
CUMMINS	6CT A8.3	FF	3907792	BORE:114 OD: 132.5 CD: 132.95 CT:14.5 FL: 1.1 L:238.31	
CUMMINS	6CT 8.3	FF	3948095	BORE:114 OD: 130.61 CD: 130.9 CT:14.55 FL: 1.22 L:235.32	
CUMMINS	V8-210/V6-155	FF	3022530 / 3277592 SJ 351161 / WS481	BORE:117.475 OD: 129.286 CD: 137.249 CT:7.772 FL: 1.143 L:165.659	
CUMMINS	VT 555	FF	3022529 WS-506	BORE:117.475 OD: 128.778 CD: 137.211 CT:7.7 FL: L:191.39	
CUMMINS	LTA 10 / L 10	FF	3080760 / 3803703	BORE:125 OD: 137.414 CD: 145.9484 CT:14.986 FL: 1.219 L:239.776	

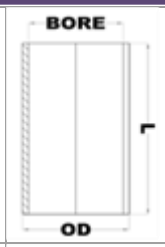
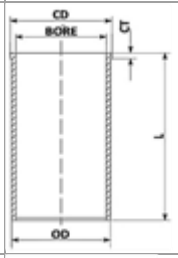
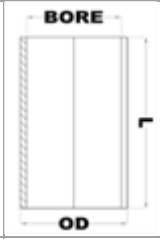
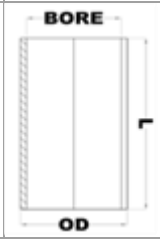
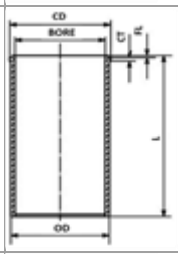
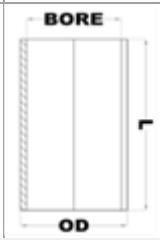
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CUMMINS	NH 220	FF	184400 WS-448	BORE:130.175 OD: 146.05 CD: 155.626 CT:11.15 FL: 1.178 L:301.625	
CUMMINS	NT855 / N14	FF	3801826 / 3055099 WS-545	BORE:139.7 OD: 155.473 CD: 166.751 CT:9.017 FL: 1.8 L:286.385	
CUMMINS	NT855 / NTC475 / N14	FF	3065405 WS-555	BORE:139.7 OD: 155.473 CD: 167.259 CT:9.54 FL: 1.8 L:288.163	
CUMMINS		FF	203170	BORE:139.7 OD: 155.016 CD: 165.138 CT:9.017 FL: L:218.57	
CUMMINS	KT 1150	FF	3028434/ 3202240 WS 548	BORE:158.75 OD: 180.1876 CD: 188.214 CT:13.3731 FL: 1.778 L:304.8	
CUMMINS	KT 1150	FF	3022157	BORE:158.75 OD: LINER CD: CT: FL: L:	

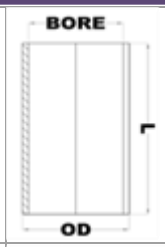
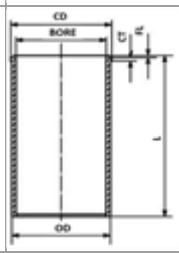
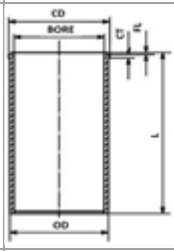
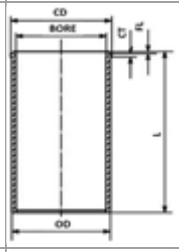
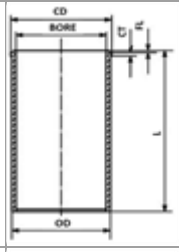
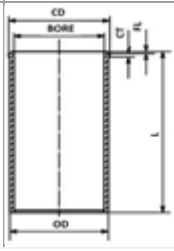
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
CUMMINS	KT 1150	FF	3023017	BORE:158.75 OD: LINER CD: CT: FL: L:	
CUMMINS	KT 1150	FF	3023018	BORE:158.75 OD: LINER CD: CT: FL: L:	
CUMMINS	KT 1150	FF	3023019	BORE:158.75 OD: LINER CD: CT: FL: L:	
CUMMINS	KT 1150	FF	4009233	BORE:158.75 OD: LINER CD: CT: FL: L:	
CUMMINS	KT 1150	FF	4009227	BORE:158.75 OD: LINER CD: CT: FL: L:	
	COMMER				
COMMER	1256 CC MARK IV	SF	SU 1946	BORE:65.088 OD: 68.809 CD: CT: FL: L:165.887	

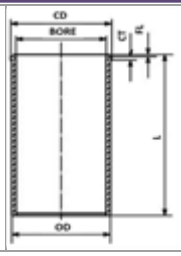
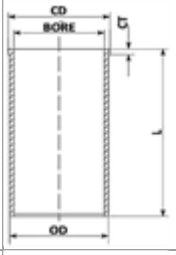
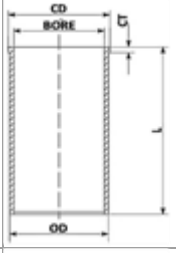
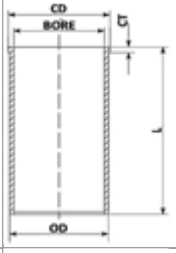
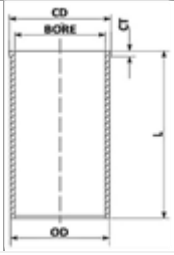
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
COMMER	875 CC VAN	SF	SU 3834ZF	BORE:67.986 OD: 74.752 CD: 82.550 CT:4.902 FL: L:100.033	
COMMER	1390 CC MARK-VIII	SF	SU 2501	BORE:76.200 OD: 79.952 CD: CT: FL: L:152.400	
COMMER	1494 CC OHV	SF	SU 2848	BORE:78.999 OD: 82.753 CD: CT: FL: L:152.400	
COMMER	2256 CC OHV	SF	SU 2115	BORE:80.962 OD: 83.998 CD: CT: FL: L:195.263	
COMMER	1592 CC MARK IV	SF	SU 3756	BORE:81.539 OD: 85.501 CD: CT: FL: L:152.400	
COMMER	2.26 LITRE	SF	SJ 235800NS	BORE:84.176 OD: 89.718 CD: 94.285 CT:11.176 FL: 0.635 L:187.706	
	DAEWOO				

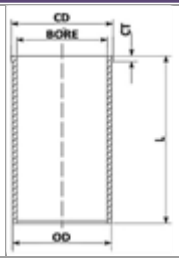
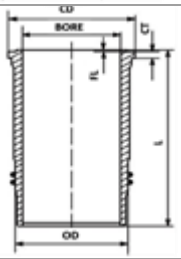
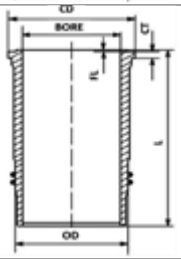
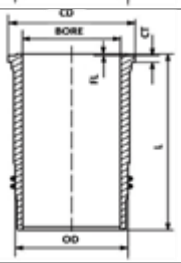
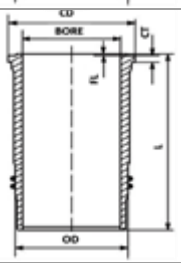
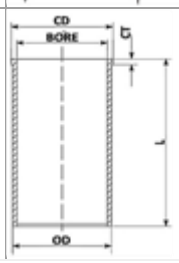
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAEWOO		SF		BORE:72 OD: 76 CD: 79 CT:5 FL: L:125	
DAEWOO	MATIZ	SF		BORE:68.5 OD: 72 CD: 74.15 CT:5 FL: L:114.5	
	DAF				
DAF	DNTD620	FF	SJ 351350	BORE:104.2 OD: 109 CD: 117.064 CT:8.077 FL: L:238.989	
DAF	XD 3T		89412190	BORE:94 OD: 97 CD: 99.5 CT:3.9 FL: L:165.8	
DAF	D575	FF	SJ 531601	BORE:100.615 OD: 105.669 CD: 115.217 CT:12.725 FL: L:239.014	

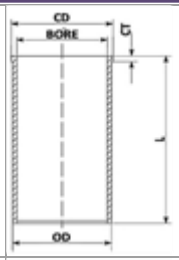
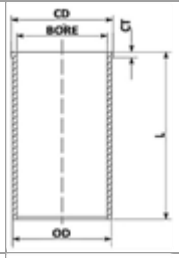
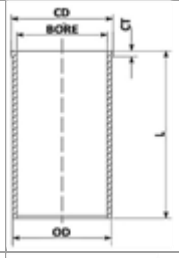
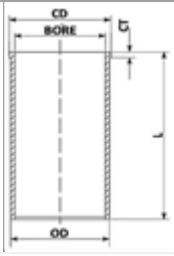
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAF	DF, DT, DTD 615	FF	220095, 212275, 112489 SJ351028	BORE:104 OD: 109 CD: 117.064 CT:8.077 FL: L:238.989	
DAF	DH825, DHU825, DU825, DHTD825,HS200,, HT168,DKL	FF	396 855 / 240 474 / 257 340 / 159 288 SJ 351103	BORE:118 OD: 123.485 CD: 133.65 CT:10.061 FL: L:262.204	
DAF	DKS / DKSE / DKXEDKA / DKDL/DKL,KT191,L210,WS222,WS225,WS259,WS282, WS295,WS315,W268	FF	394 080 / 396 080 / 241 054 SJ 351351	BORE:130 OD: 136.004 CD: 143.896 CT:10.061 FL: L:288.493	
	DAIHATSU				
DAIHATSU	CUORE	SF		BORE:66.6 OD: 70 CD: 72 CT:5 FL: L:124	
DAIHATSU	HIJET 81	SF		BORE:71.6 OD: 74.86 CD: 76.44 CT:4.76 FL: L:123	

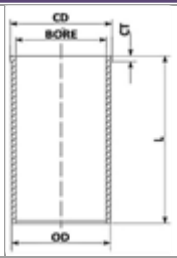
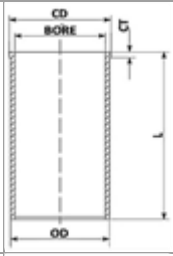
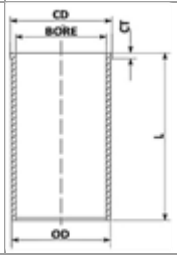
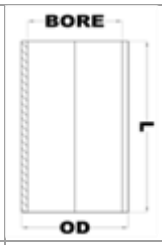
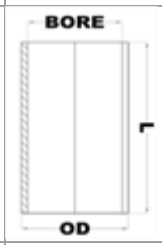
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAIHATSU	4K	SF	11461-24012	BORE:74.981 OD: 79.837 CD: CT: FL: L:190.5	
DAIHATSU	CL	SF		BORE:76 OD: 80.162 CD: 80.922 CT:4.8 FL: L:131.8	
DAIHATSU	CLT	SF		BORE:76 OD: 80 CD: CT: FL: L:140	
DAIHATSU	12R	SF	11462-31020 SU 4264	BORE:80.5 OD: 84.607 CD: CT: FL: L:143.967	
DAIHATSU	DE/DV22	SF		BORE:85 OD: 90 CD: 94 CT:7 FL: 1 L:181	
DAIHATSU	1Y, 2Y	SF		BORE:85.725 OD: 90.564 CD: CT: FL: L:206.38	

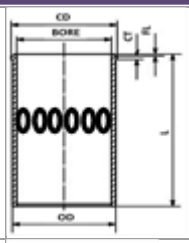
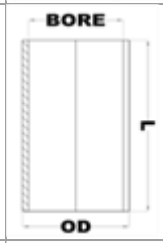
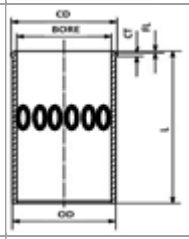
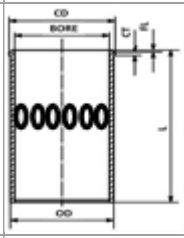
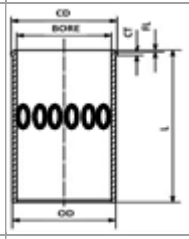
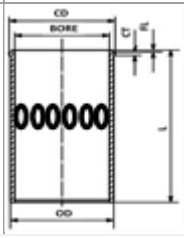
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAIHATSU	5R	SF		BORE:87.3 OD: 92.151 CD: CT: FL: L:206.38	
DAIHATSU	DG	FF	1146-87302 SJ351324/SJ351322	BORE:88 OD: 93.13 CD: 97.03 CT:3.02 FL: 0.92 L:181.99	
DAIHATSU	DG	SF	11461-87302 SU351322	BORE:88 OD: 93.13 CD: 97.03 CT:3.02 FL: 0.92 L:181.99	
DAIHATSU	B	SF	11461-56020 SU351232	BORE:95 OD: 102.07 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
DAIHATSU	B	SF	11461-56030 SU351323	BORE:95 OD: 99 CD: 104.65 CT:2.55 FL: 1.2 L:190.22	
DAIHATSU	DL	FF	11461-87303 SJ351321/SJ351312	BORE:92 OD: 96 CD: 100.64 CT:3 FL: 1 L:182	

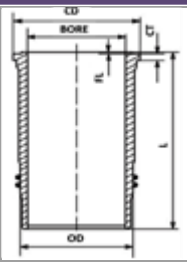
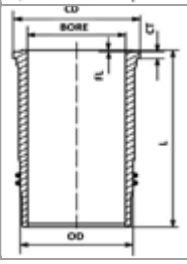
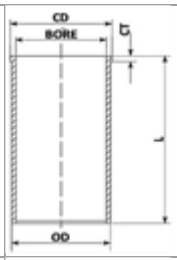
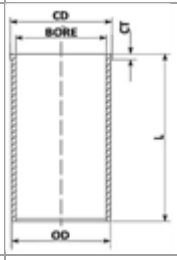
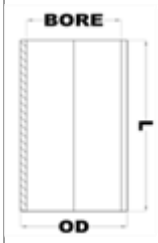
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAIHATSU	DL	SF	11461-87303 SU 351312	BORE:92 OD: 96 CD: 101 CT:3 FL: 1 L:182	
	DAIMLER BENZ				
DAIMLER BENZ	4.2	SF	SU 3981	BORE:92.07 OD: 95.631 CD: CT: FL: L:177.013	
DAIMLER BENZ	OM 314	SF	SU 607501	BORE:97 OD: 103.099 CD: 105.926 CT:4.521 FL: L:223.012	
DAIMLER BENZ	OM 321	SF	SU 463801	BORE:95 OD: 101.074 CD: 103.924 CT:4.623 FL: L:215.265	
DAIMLER BENZ	OM 352	SF	366 011 0610 SU 351281	BORE:97 OD: 100.495 CD: 103.428 CT:5 FL: L:222.5	
DAIMLER BENZ	OM 355	SF	355 011 0810 SU 351094	BORE:128 OD: 133.565 CD: 137.42 CT:5.55 FL: L:287.5	

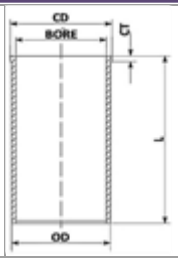
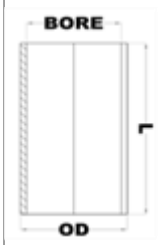
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAIMLER BENZ	OM 366/OM 364	SF	366 011 0610 SU 351281	BORE:97.5 OD: 100.495 CD: 103.428 CT:5.2 FL: L:222.5	
DAIMLER BENZ	OM 401/2/3/4	FF	403 011 3210 SJ 351231	BORE:125 OD: 139.959 CD: 151.957 CT:10.1 FL: 1.2 L:253	
DAIMLER BENZ	OM 421/422	FF	114671220 / 114671220A / 114671230 SJ 351230	BORE:128 OD: 144.451 CD: 153.757 CT:10.1 FL: 1.1 L:253	
DAIMLER BENZ	OM 421A/423A	FF	444 011 0110 SJ 351340	BORE:128 OD: 144.5 CD: 153.8 CT:9.92 FL: 1 L:253	
DAIMLER BENZ	OM 442A/442LA	FF	SJ 351341	BORE:128 OD: 144.5 CD: 153.8 CT:9.92+1.1 FL: 1.1 L:253	
DAIMLER BENZ	OM 602	SF	601 011 0210 / 601 011 0110 SU 351337	BORE:87 OD: 91.56 CD: 96.52 CT:4.74 FL: L:156.5	

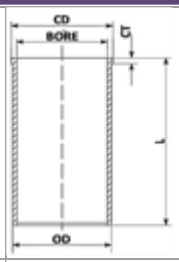
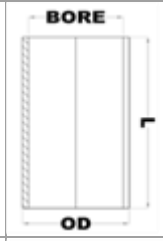
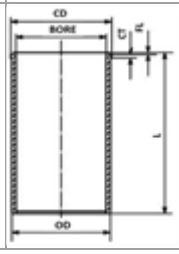
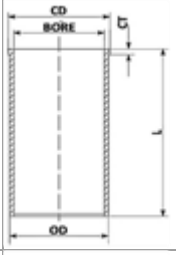
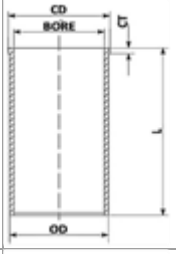
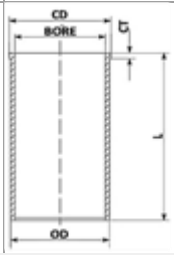
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAIMLER BENZ	OM 615.913/915 /615.910	SF	615 011 1010 SU 351122/3	BORE:87 OD: 90.065 CD: 91.923 CT:4.8 FL: L:158.4	
DAIMLER BENZ	OM 616/617	SF	616 011 0710 / 616 011 0610 / 616 011 0310 SU 351119	BORE:91 OD: 94.065 CD: 95.92 CT:4.8 FL: L:158	
DAIMLER BENZ	OM 636	SF	181 011 0110 SU 453801/2	BORE:75 OD: 79.075 CD: 80.825 CT:4.125 FL: L:190.246	
DAIMLER BENZ	OM 636	SF	SU 453802	BORE:75 OD: 79.075 CD: CT: FL: L:190.246	
DAIMLER BENZ	AIR COMPRESSOR	FF		BORE:90 OD: CD: CT: FL: L:	
DAIMLER BENZ	OM621	SF		BORE:85 OD: 88.05 CD: 91 CT:4 FL: L:156.5	

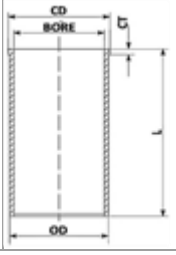
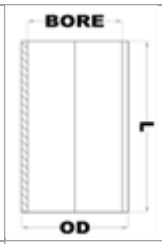
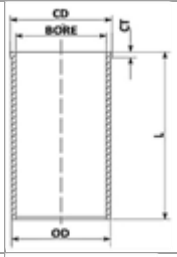
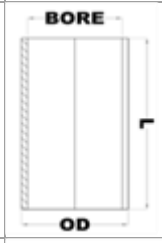
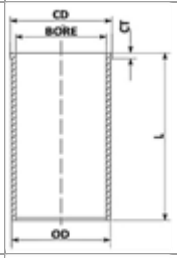
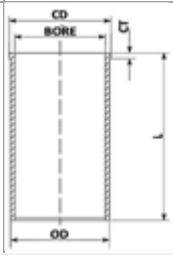
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DAIMLER BENZ	OM601	SF		BORE:87 OD: 90.06 CD: 92.55 CT:4.7 FL: L:148.4	
DAIMLER BENZ	OM322	SF		BORE:98 OD: 101.06 CD: 104 CT:4.5 FL: L:222	
DAIMLER BENZ	OM315	SF		BORE:112 OD: 118.05 CD: 121 CT:6 FL: L:276	
	DAVID BROWN				
DAVID BROWN	AD3/49,AD3/55, AD4/55	SF	964857 SU351121 / DS 560	BORE:100.046 OD: 105.08 CD: CT: FL: L:212.217	
	DAMAS				
DAMAS	DAMAS	SF		BORE:68 OD: 72 CD: CT: FL: L:140	
	DETROIT DIESEL				

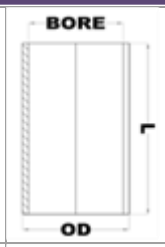
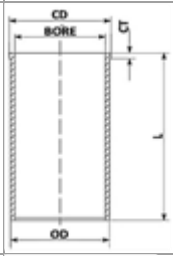
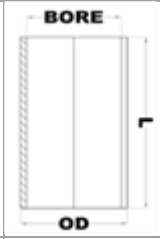
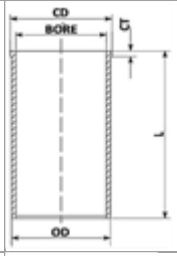
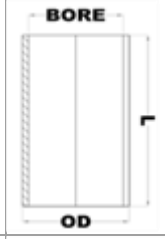
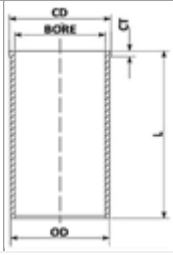
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DETROIT DIESEL	GM 53	FF	5132803 WS 438H	BORE:98.425 OD: 113.93 CD: 121.463 CT:6.43 FL: 1.22 L:250.03	
DETROIT DIESEL	8.2	SF	C-417	BORE:106.75 OD: 112.8 CD: CT: FL: L:193.75	
DETROIT DIESEL	GM 71STD / 4-71N,6-71N	FF	5113953 / 23502021 DS-301H-STD	BORE:107.95 OD: 117.5 CD: 121.183 CT:6.375 FL: L:282.575	
DETROIT DIESEL	GM 71(010) / 4-71N,6-71N	FF	5193733 DS-301H-10	BORE:107.95 OD: 117.75 CD: 121.183 CT:6.375 FL: L:282.575	
DETROIT DIESEL	GM 71(020) / 4-71N,6-71N	FF	5193734 DS-301H-20	BORE:107.95 OD: 118 CD: 121.183 CT:6.375 FL: L:282.575	
DETROIT DIESEL	6V-92TT,8V-92T	FF	5107176 WS-543H	BORE:122.936 OD: 135.522 CD: 140.843 CT:7.899 FL: 1.194 L:279.908	

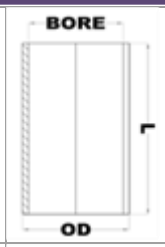
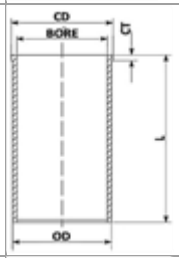
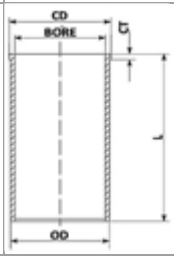
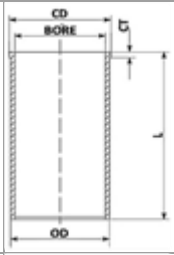
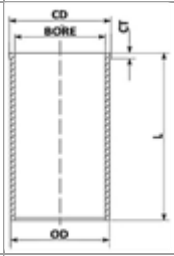
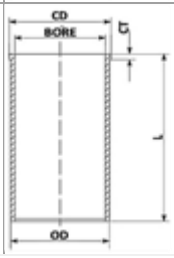
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DETROIT DIESEL	S 50 / S 60	FF	235233920	BORE:130 OD: 146 CD: 156.67 CT:9 FL: 1.2 L:279.25	
DETROIT DIESEL	S 50 / S 60	FF	8929442	BORE:130 OD: 146 CD: 156.57 CT:9 FL: 1.2 L:279.25	
	DEUTZ				
DEUTZ	EY 15	SF		BORE:63 OD: 66.1 CD: 74 CT:4 FL: L:200	
DEUTZ	EY 20	SF		BORE:67 OD: 70.1 CD: 78 CT:4 FL: L:150	
DEUTZ	FL 812	FF		BORE:95 OD: AIR COOLED BLOCK CD: CT: FL: L:	

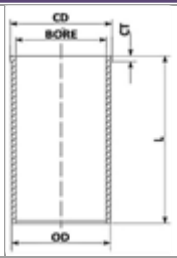
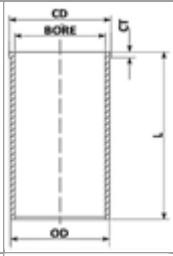
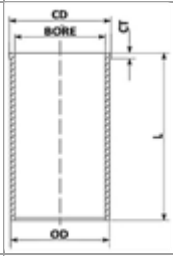
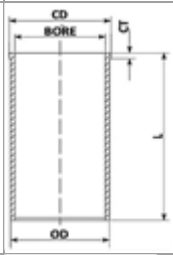
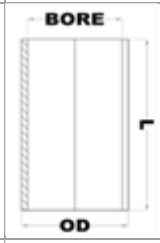
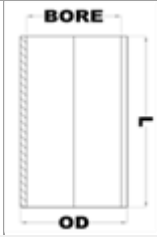
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DEUTZ	FL 912	FF	0223 1924 / 0415 7763 / 0415 7756 / 0415 8559 / 0223 1975 SJ351065V1	BORE:100 OD: 110 CD: 120 CT:137.5 FL: L:222.6	
DEUTZ	FL 913	FF	0213 7488 SJ 351170V1	BORE:102 OD: AIR COOLED BLOCK CD: CT: FL: L:	
DEUTZ	FL-514/614	FF		BORE:110 OD: AIR COOLED BLOCK CD: CT: FL: L:	
DEUTZ	FL 413	FF		BORE:120 OD: AIR COOLED BLOCK CD: CT: FL: L:	
DEUTZ	FL 413 F	FF		BORE:125 OD: AIR COOLED BLOCK CD: CT: FL: L:	

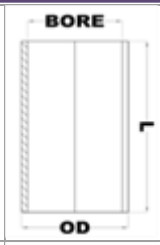
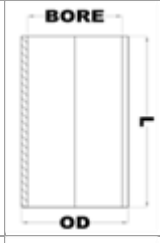
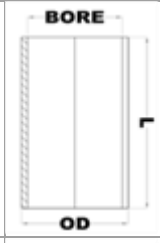
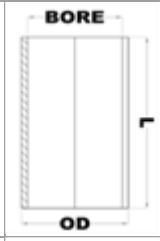
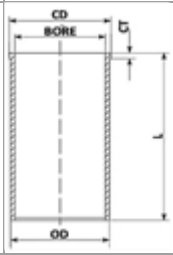
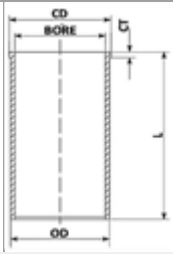
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DEUTZ	135 mm	FF		BORE:135 OD: 153.9 CD: 167 CT:11.15 FL: L:321	
DEUTZ	FL 816	FF	KS-89039110	BORE:142 OD: CD: CT: FL: L:	
DEUTZ	142 mm	FF		BORE:142 OD: 160.05 CD: 174.85 CT:12.07 FL: 1.2 L:317	
	DONG FENG				
DONG FENG	CM - 180	FF		BORE:80 OD: 92.87 CD: 97.75 CT:9.2 FL: L:173.3	
DONG FENG	CM - 195	FF		BORE:95 OD: 110 CD: 118 CT:10 FL: L:210	
DONG FENG	S-1 / 2R	FF		BORE:100 OD: 114 CD: 120.8 CT:10 FL: L:207	

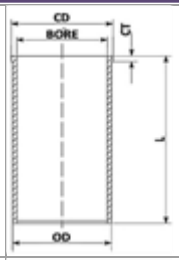
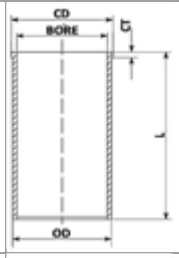
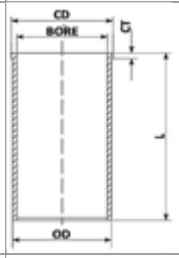
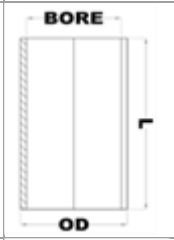
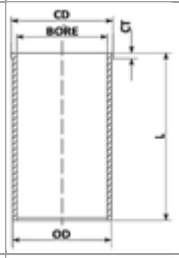
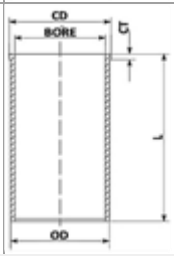
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
DONG FENG	S-1100 / 2R	FF		BORE:100 OD: 114 CD: 120.8 CT:8 FL: L:206	
	FIAT				
FIAT	165A4.000-M204AA 100GC/100GS, 170A,127A, 146A, 200B/BF/CF/CZCP	SF	21205402	BORE:65 OD: 68.04 CD: CT: FL: L:155	
FIAT	600S	SF		BORE:65 OD: 68.26 CD: 69.84 CT:4.76 FL: L:116	
FIAT	A112B1.054	SF	1200702	BORE:67.2 OD: 70.24 CD: CT: FL: L:115	
FIAT	1000.000	SF		BORE:70 OD: 73.3 CD: 75.59 CT:4.76 FL: L:122	
FIAT	UNO (WITH FLANGE)	SF		BORE:76 OD: 79 CD: 82 CT:5 FL: L:148	

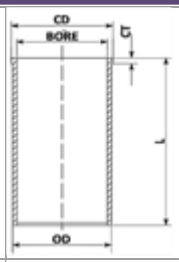
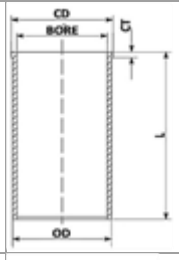
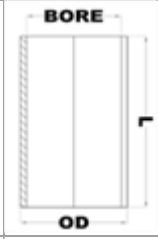
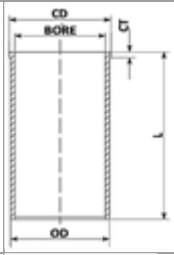
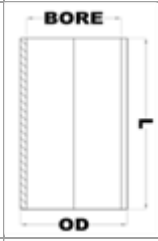
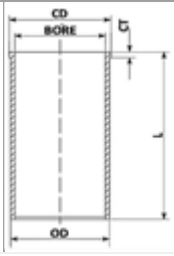
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	UNO D	SF	KS 89160190	BORE:76 OD: 79 CD: CT: FL: L:135.5	
FIAT	1300 DIESEL	SF		BORE:76 OD: 79.26 CD: 80.84 CT:4.8 FL: L:139	
FIAT	127AB/AJ/AE	SF	21207702	BORE:76 OD: 81.08 CD: CT: FL: L:134.3	
FIAT	146B.000	SF	21234302	BORE:78 OD: 81.06 CD: 83.5 CT:4.5 FL: L:130	
FIAT	124AC/124B/132A	SF	21204002	BORE:80 OD: 84.06 CD: CT: FL: L:145.5	
FIAT	126A2.000	SF	21204202	BORE:80 OD: 86.53 CD: 95 CT:7.8 FL: L:125.1	

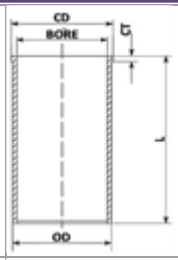
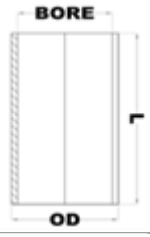
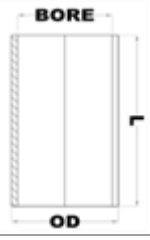
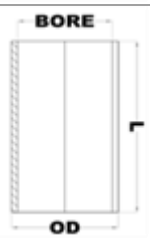
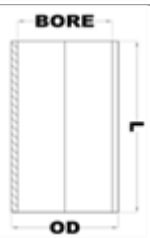
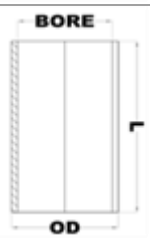
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	128A/138A	SF	21204802	BORE:80 OD: 84.06 CD: CT: FL: L:118	
FIAT	M707BT, 149A154B, 160A, 280AM718AT, 835AM	SF	007WV44 21231302	BORE:82.6 OD: 86.06 CD: 89 CT:4.5 FL: L:154	
FIAT		SF	007WV66	BORE:82.6 OD: 86.05 CD: 89.03 CT:4.6 FL: L:154.2	
FIAT	DUCATO 1,9D	SF		BORE:82.6 OD: 85.86 CD: 87.44 CT:4.76 FL: L:153	
FIAT	149B3.000	SF	21233202	BORE:82.6 OD: 86.04 CD: 89 CT:4.6 FL: L:142	
FIAT	149B3.000	SF	21238002	BORE:82.6 OD: 85.62 CD: 89 CT:4.5 FL: L:142	

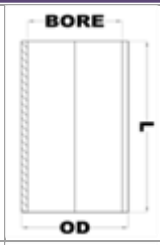
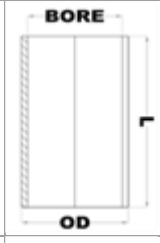
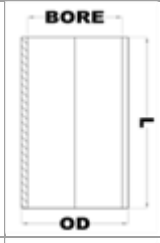
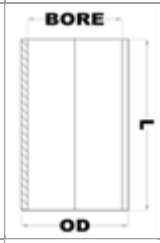
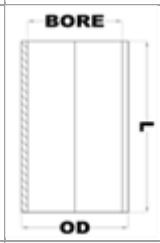
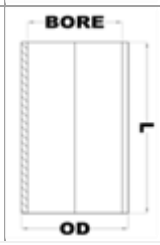
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	STRADA, REGATA 1.9TD &TDS R/86, DUCATO 1930D, TALENTO 1930D	SF	21232302	BORE:82.6 OD: 87.03 CD: 90 CT:4.6 FL: L:154	
FIAT	XUD9/A/B/L/Y	FF	CH2334100	BORE:83 OD: 85.6 CD: 88.5 CT:3.9 FL: L:153.5	
FIAT	138 B6.000	SF	21230602	BORE:83 OD: 86.06 CD: 89 CT:4.5 FL: L:147	
FIAT	138 B6.000	SF	21231602	BORE:83 OD: 87.03 CD: 90 CT:4.6 FL: L:147	
FIAT	124B3.132DB2,154 A1,834B	FF	21207802	BORE:84 OD: 88.06 CD: CT: FL: L:152	
FIAT	131A1/AF1/B1,131 B1,138AR149A2,8 28DB,132A	SF	21206102	BORE:84 OD: 88.02 CD: CT: FL: L:145.5	

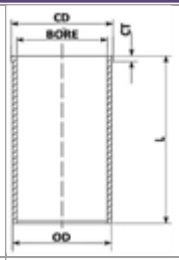
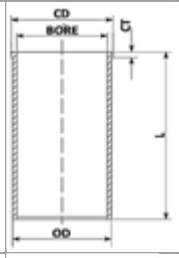
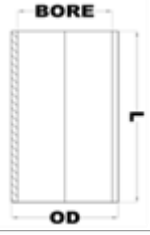
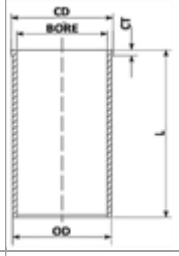
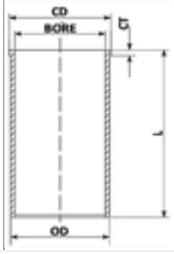
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	M611 CA 20 A/C,M619AA 2.0	SF		BORE:84 OD: 88.06 CD: CT: FL: L:152	
FIAT	615.000	FF	561212 21210702	BORE:85 OD: 90.04 CD: CT: FL: L:178	
FIAT	614.01 / 615 D	SF	21210702	BORE:85.9 OD: 90.04 CD: CT: FL: L:178	
FIAT	B22.615	FF	21219302	BORE:90 OD: 94.06 CD: CT: FL: L:165.5	
FIAT	B22.615	FF	21219802	BORE:90 OD: 94.06 CD: 96.7 CT:3.8 FL: L:165.5	
FIAT	B22.615	FF	21231102	BORE:90 OD: 94.53 CD: 97.5 CT:4.6 FL: L:165.5	

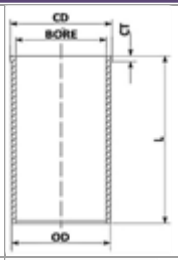
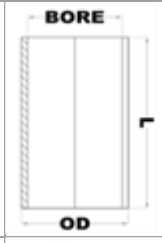
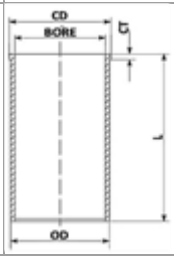
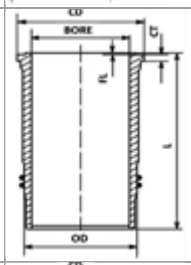
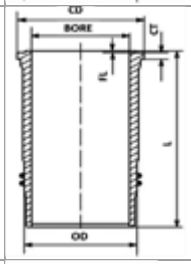
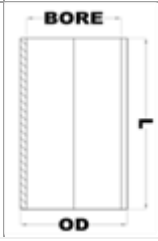
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	8140.27	FF	04860109 / 04860110 / 7302136 21233502	BORE:93 OD: 96.01 CD: 98.92 CT:5 FL: L:171	
FIAT	8140.27	FF	21235902	BORE:93 OD: 97.03 CD: 100 CT:5 FL: L:171	
FIAT	8144.61	FF	7301804 21230702	BORE:93 OD: 97.03 CD: 100 CT:5 FL: L:167	
FIAT	8144.61	FF	3231720	BORE:93 OD: 96.06 CD: CT: FL: L:167	
FIAT	B25/637	FF	CH2403100	BORE:93 OD: 97.5 CD: 99 CT:5 FL: L:163	
FIAT	U25/M25/B25	FF	CH2403110	BORE:93 OD: 97.5 CD: 100 CT:5 FL: L:163	

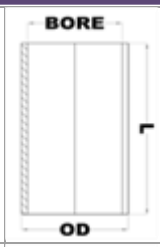
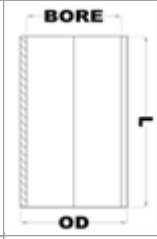
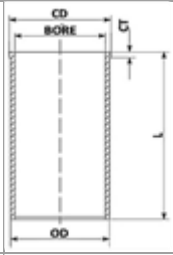
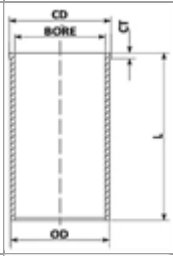
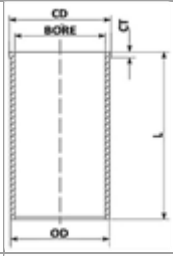
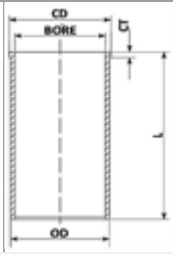
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	8140.210	SF	21233502	BORE:93 OD: 96.01 CD: 98.92 CT:5 FL: L:171	
FIAT	8140.210	SF	21235902	BORE:93 OD: 97.03 CD: 100 CT:5 FL: L:171	
FIAT	8140.61,8144.61,8142.61	SF	21230502	BORE:93 OD: 96.06 CD: CT: FL: L:167	
FIAT	8140.61,8144.61,8142.61	SF	21230702	BORE:93 OD: 97.03 CD: 100 CT:5 FL: L:167	
FIAT		SF		BORE:93 OD: 98 CD: CT: FL: L:156	
FIAT	T/ DAILY EURO	SF	89502190	BORE:94.4 OD: 97.5 CD: 100.9 CT:5 FL: L:167	

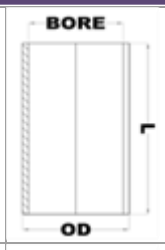
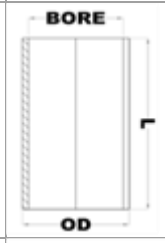
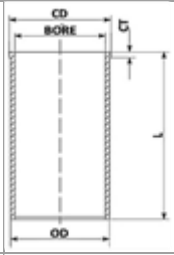
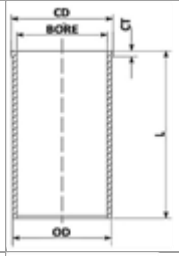
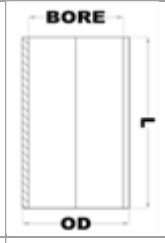
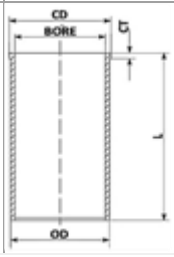
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	8140.23	SF	99435938 SU 351380	BORE:94.4 OD: 97.5 CD: 100.9 CT:5 FL: L:167	
FIAT	8045.01	FF	04599351 / 04599352 21214802	BORE:95 OD: 99.1 CD: CT: FL: L:187	
FIAT	8035.01, 8045.01	SF	21214802	BORE:95 OD: 99.1 CD: CT: FL: L:187	
FIAT	852A/8025.01,8035 .01, 8045.01	SF	4599351 21214802	BORE:95 OD: 99.1 CD: CT: FL: L:187	
FIAT	8025.02,8035.02,80 35.04	SF	04653280 / 04653281 / 04799478 21215702	BORE:100 OD: 103.06 CD: CT: FL: L:187	
FIAT		SF	007WV47	BORE:100 OD: 103 CD: CT: FL: L:196	

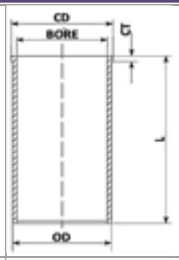
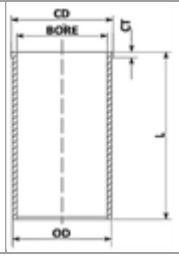
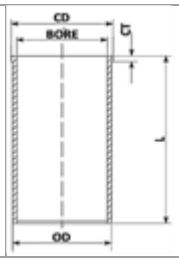
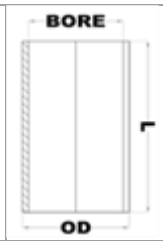
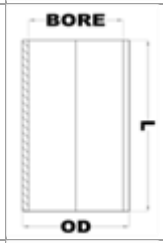
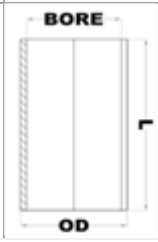
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT		SF	04770654	BORE:100 OD: 103 CD: CT: FL: L:196.5	
FIAT	8035.02,8045.02	SF	21215702	BORE:100 OD: 103.06 CD: CT: FL: L:187	
FIAT	8025.02,8035.02,8045.02	SF	4653280 21215702	BORE:100 OD: 103.06 CD: CT: FL: L:187	
FIAT	8035.06,8045.06,8065.06	SF	21234002	BORE:100 OD: 103.06 CD: CT: FL: L:196	
FIAT	8031.04	SF	89080190	BORE:103 OD: 107 CD: CT: FL: L:187.5	
FIAT	8040.04/8060.04	SF	04678201 / 04679201 / 04679202 / 04805156 21217502	BORE:103 OD: 107.1 CD: CT: FL: L:187	

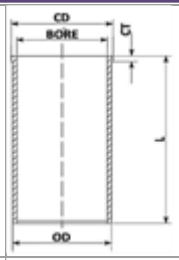
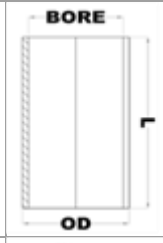
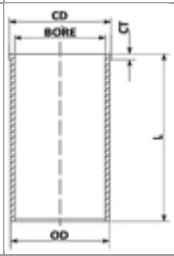
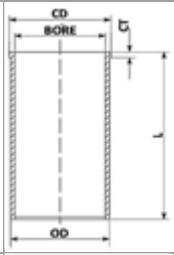
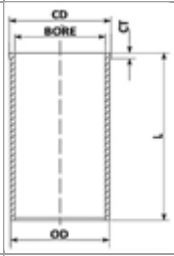
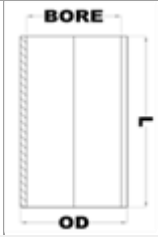
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	8060.24	FF	21232202	BORE:103 OD: 107.13 CD: 110 CT:5 FL: L:187	
FIAT	8035.04,8045.04,8055.04, 8065.04	SF	21232202	BORE:103 OD: 107.13 CD: 110 CT:5 FL: L:187	
FIAT	8035.04,8045.04,8055.04	SF	21217502	BORE:103 OD: 107.1 CD: CT: FL: L:187	
FIAT	8040.05/8060.05	SF	04770623 / 04770624 21233902	BORE:104 OD: 107.1 CD: CT: FL: L:198	
FIAT	8040.25.600	SF	007WV49 89317190	BORE:104 OD: 106.94 CD: 109.83 CT:5 FL: L:198	
FIAT	8065.25	FF	04803030 / 04803030 / 04803031 21232402	BORE:104 OD: 107.05 CD: 109.87 CT:5 FL: L:198	

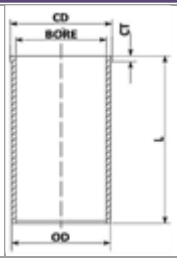
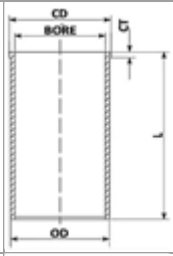
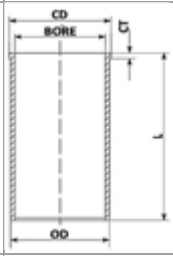
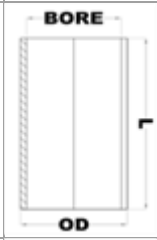
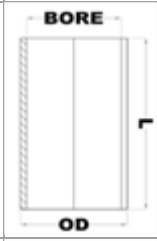
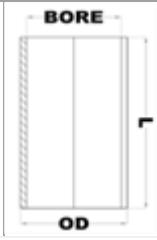
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	8065.25	FF	04803030 21232402	BORE:104 OD: 107.05 CD: 109.87 CT:5 FL: L:198	
FIAT	8035.05,8045.05	SF	21233902	BORE:104 OD: 107.1 CD: CT: FL: L:198	
FIAT	8065.250	SF	21232402	BORE:104 OD: 107.05 CD: 109.87 CT:5 FL: L:198	
FIAT	560-1300	FF	08815939 58112302	BORE:110 OD: 118 CD: 129.5 CT:170 FL: 1 L:236	
FIAT	8361.45	FF	04850230 58117102 / 89024-110	BORE:115 OD: 122 CD: 129.7 CT:167 FL: L:235.5	
FIAT	220/8200.1	SF	21212102	BORE:120 OD: 125.1 CD: CT: FL: L:260	

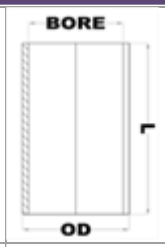
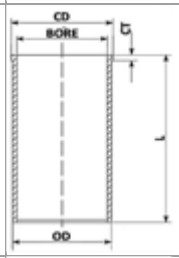
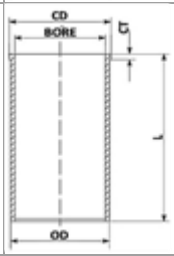
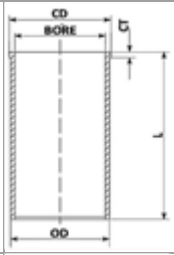
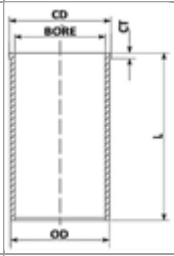
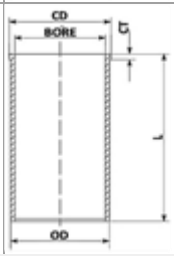
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	220/8200.1	SF	21212102	BORE:120 OD: 125.1 CD: CT: FL: L:260	
FIAT	220/8200.1	SF	21212102	BORE:120 OD: 125.1 CD: CT: FL: L:260	
FIAT	8200.02	SF	88599110	BORE:122 OD: 128 CD: 132 CT:6 FL: L:252	
FIAT	8205.02/8200.02	FF	4622245 / 4622458 / 4679552 21216002	BORE:122 OD: 128.02 CD: 132 CT:6 FL: L:252	
FIAT	8205.020	SF	21216002	BORE:122 OD: 128.02 CD: 132 CT:6 FL: L:252	
FIAT	8205.020	SF	21216002	BORE:122 OD: 128.02 CD: 132 CT:6 FL: L:252	

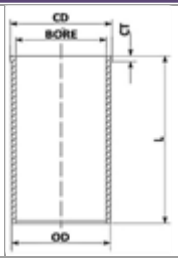
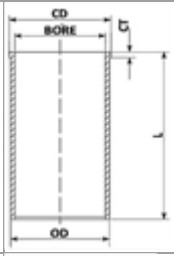
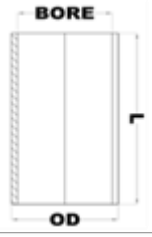
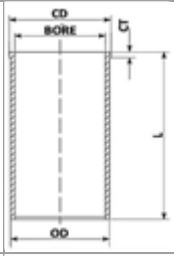
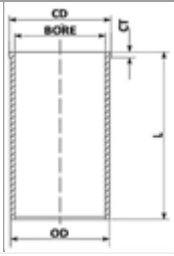
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	203	SF	21212902	BORE:125 OD: 131.1 CD: CT: FL: L:277.5	
FIAT	604.030/031/034/035041	FF	21213102	BORE:125 OD: 131.1 CD: CT: FL: L:277.5	
FIAT	8200.03	SF	4678900 / 4678901 / 4679234 21218602	BORE:125 OD: 130.04 CD: 136 CT:6 FL: L:252	
FIAT	8210.02	FF	88600110	BORE:137 OD: 143 CD: 147 CT:6 FL: L:282	
FIAT	203A, 61, 203H, 61	SF	SU351396	BORE:130 OD: 136 CD: CT: FL: L:282	
FIAT	8215.02,22,8215.02	FF	4622074 / 4679653 / 4837426 21215902	BORE:137 OD: 143.02 CD: 147 CT:6 FL: L:282	

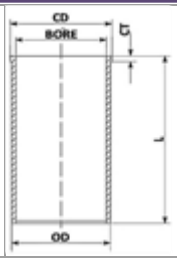
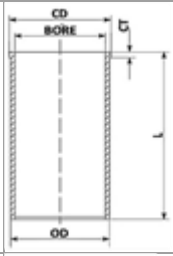
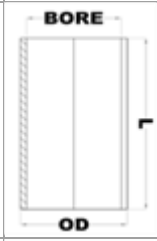
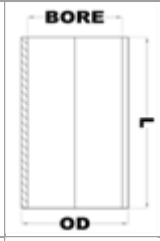
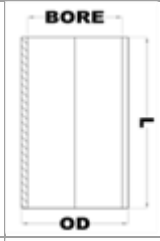
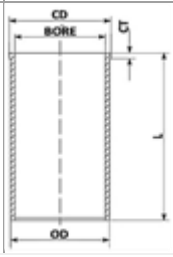
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FIAT	8215.02 / 697	FF	21215902	BORE:137 OD: 143.02 CD: 147 CT:6 FL: L:282	
FIAT	8215.020	SF	21215902	BORE:137 OD: 143.02 CD: 147 CT:6 FL: L:282	
	FORCHA				
FORCHA		FF		BORE:85 OD: 96.87 CD: 104.9 CT:10.18 FL: L:210	
	FORD				
FORD	BL09L, H, GSF	SF	1146231020 SU4262	BORE:73.94 OD: 77.163 CD: CT: FL: L:119.609	
FORD	4.108	SF	2400E6055A / 7188113 SU 553201	BORE:79.375 OD: 82.626 CD: CT: FL: L:165.1	
FORD	105E,113E,3014E,1 09E	SF	105E6055C / 1743825 SU 3166	BORE:80.95 OD: 84.214 CD: CT: FL: L:123.825	

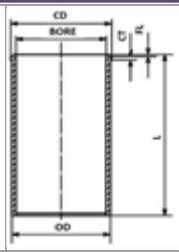
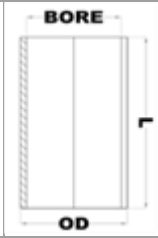
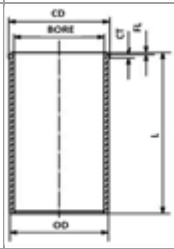
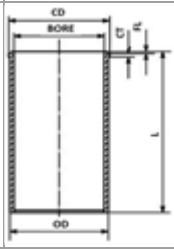
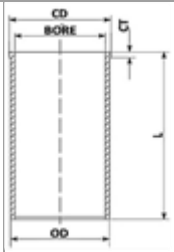
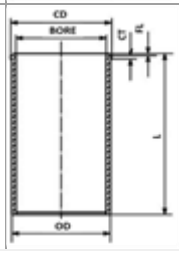
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	105E,113E,3014E,109E	SF	SU 3821	BORE:80.95 OD: 84.214 CD: 85.649 CT:3.302 FL: L:123.825	
FORD	108E,107E,307E, 113E, 116E,122E	SF	SU 3166	BORE:80.950 OD: 84.214 CD: CT: FL: L:123.825	
FORD	108E,107E,307E	SF	SU 3822	BORE:80.950 OD: 84.214 CD: 85.649 CT:3.302 FL: L:140.335	
FORD	UPRATED 711 M	SF	SU 4026	BORE:80.950 OD: 84.214 CD: 87.236 CT:4.890 FL: L:150.368	
FORD	120 (0.090)	FF	226-4208 DS-190	BORE:80.96 OD: 85.6 CD: 86.55 CT:1.55 FL: L:165.1	
FORD	UPRATED 711 M , 751 M	SF	SU 4017	BORE:80.985 OD: 84.214 CD: CT: FL: L:150.368	

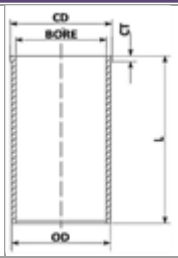
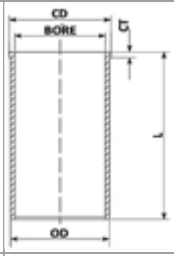
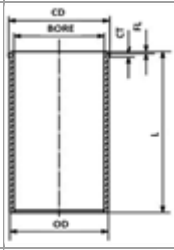
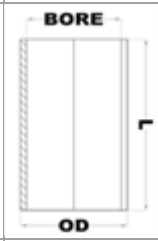
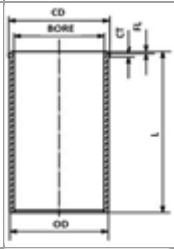
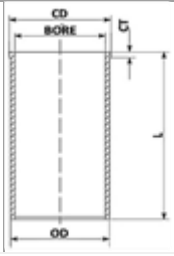
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	120.000	FF	226-4511 DS 598	BORE:81 OD: 83 CD: 85.5 CT:1.2 FL: L:165	
FORD	1558 CC	SF	SU 4027	BORE:82.550 OD: 85.789 CD: 87.236 CT:3.302 FL: L:140.335	
FORD	132	FF	226-4187 DS-230	BORE:87.3125 OD: 91.821 CD: 95 CT:4.6 FL: L:175.8	
FORD	1.600	SF	SU 4260	BORE:87.670 OD: 91.399 CD: CT: FL: L:123.647	
FORD	4G54B	SF		BORE:88.5 OD: 95.37 CD: CT: FL: L:170	
FORD	3.144	SF	SU 628301	BORE:88.925 OD: 93.739 CD: CT: FL: L:216.154	

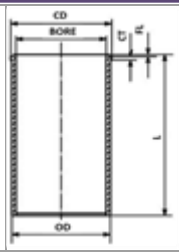
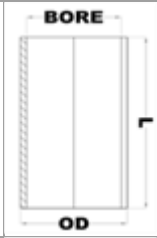
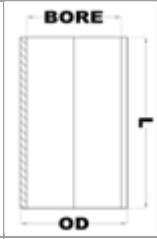
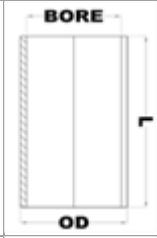
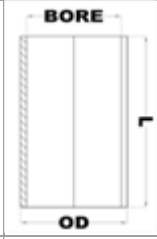
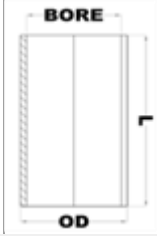
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	1993 CC	SF	6055A SU 4255	BORE:90.820 OD: 94.021 CD: CT: FL: L:137.008	
FORD	3.152/A3.152	SF	SJ 546900	BORE:91.491 OD: 93.663 CD: 96.723 CT:3.810 FL: L:216.027	
FORD	3.152/A3.152	SF	SU 530201	BORE:91.491 OD: 93.713 CD: 96.723 CT:3.810 FL: L:216.027	
FORD (CHRO MARD)	3.152/A3.152	FF	KT 3600 FP	BORE:91.491 OD: 93.675 CD: 96.774 CT:1.430 FL: L:215.900	
FORD (CHRO MARD)	3.152/A3.152	FF	KT 3600 FPX1	BORE:91.491 OD: 93.802 CD: 96.774 CT:1.143 FL: L:215.900	
FORD (CHRO MARD)	3.152/A3.152	FF	KT 3600 FPX2	BORE:91.491 OD: 93.929 CD: 96.774 CT:1.143 FL: L:215.900	

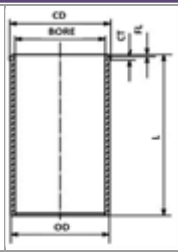
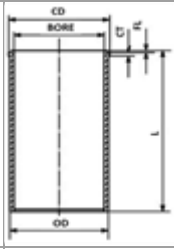
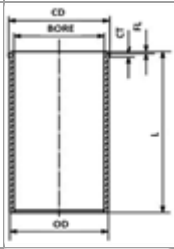
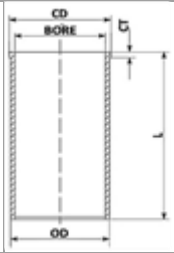
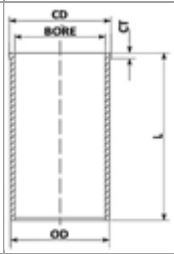
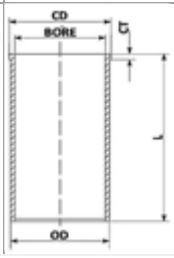
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD (CHROMARD)	3.152/A3.152	FF	KT 3601 FP	BORE:91.491 OD: 93.675 CD: 96.723 CT:3.810 FL: L:215.900	
FORD (CHROMARD)	3.152/A3.152	FF	KT 3600 FP	BORE:91.491 OD: 93.675 CD: 96.774 CT:1.430 FL: L:215.900	
FORD	2401E YORK,2402E YORK	SF	6048826 SU 351076	BORE:93.645 OD: 96.939 CD: CT: FL: L:171.450	
FORD	101,2601 E, 2603 E, V4,V8	SF	1797565 SU 3706	BORE:93.647 OD: 97.396 CD: CT: FL: L:136.144	
FORD	XD3P	FF	89412190 / CH 2319 100	BORE:94 OD: 97 CD: 99 CT:3.9 FL: L:165.8	
FORD	XD2/XD2D / XD3	SF	CH 2315 100	BORE:94.000 OD: 97.000 CD: 99.500 CT:3.900 FL: L:170.300	

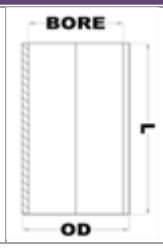
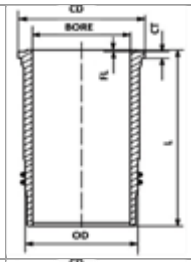
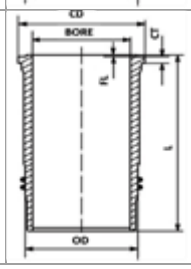
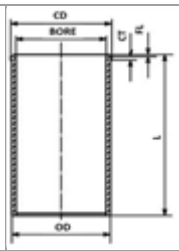
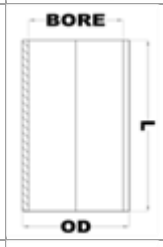
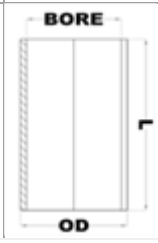
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	XD2/XD2D	SF	CH 2311 100	BORE:94.000 OD: 98.700 CD: 100.000 CT:5.000 FL: L:170.000	
FORD	172 CU INCH	FF	226-4254 DS-278	BORE:99.06 OD: 104.15 CD: 107.721 CT:4.6 FL: L:175.85	
FORD	2708E,2703E, 2703E	SF	2700E6055B SU 594501	BORE:100 OD: 108.864 CD: CT: FL: L:218.694	
FORD	2708E,2703E	SF	1787896 SU 594501	BORE:100.000 OD: 108.864 CD: CT: FL: L:218.694	
FORD	302	SF	C-166X070LERC	BORE:101.6 OD: 105.51 CD: CT: FL: L:126.85	
FORD	2704(360T)	FF	693F6055GDA / FT086055 KT 4125FF	BORE:104.77 OD: 107.259 CD: 111.709 CT:1.295 FL: L:213.36	

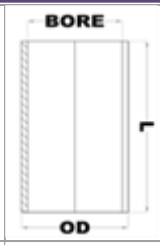
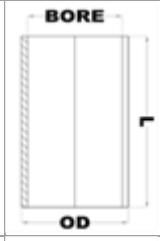
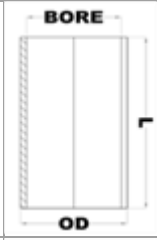
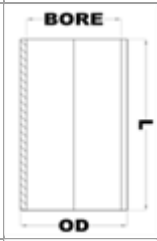
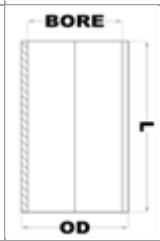
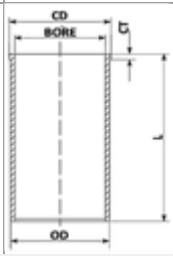
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	2704(360T)	FF	1544253 / 733F6055GBA SJ 351051	BORE:104.77 OD: 108.59 CD: 112.586 CT:4.763 FL: 0.635 L:219.558	
FORD	2701E, 2704E,2709E	SF	1429784 / 1787897 / 2701E6055B SU 517801	BORE:104.77 OD: 108.75 CD: CT: FL: L:218.7	
FORD	DOVER 110(6AA)	FF	KT 4125FFXHGA	BORE:104.77 OD: 109.164 CD: 112.586 CT:4.762 FL: 0.64 L:218.592	
FORD	2704(360T)	SF	SU 351136	BORE:104.77 OD: 109.372 CD: 112.827 CT:4.763 FL: 0.635 L:219.558	
FORD	2704E,2709E	SF	SU 517802	BORE:104.77 OD: 109.372 CD: 112.395 CT:4.762 FL: L:218.694	
FORD (CHRO MARD)	2704 ET	FF	KT 4125FF	BORE:104.775 OD: 107.259 CD: 111.709 CT:1.295 FL: L:213.360	

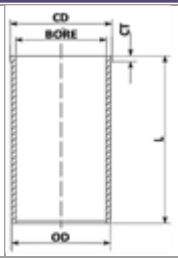
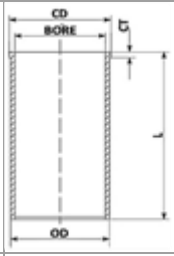
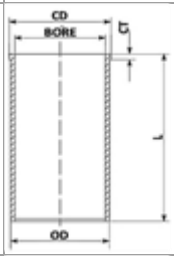
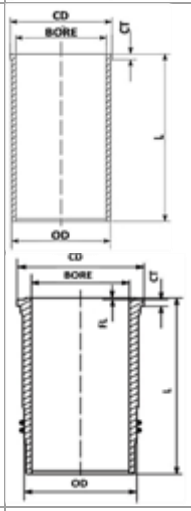
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD (CHROMARD)	2704 ET	FF	KT 4125FFX	BORE:104.775 OD: 107.411 CD: 111.709 CT:1.295 FL: L:213.360	
FORD	360 turbo	FF	SJ351051	BORE:104.775 OD: 108.59 CD: 12.59 CT:4.763 FL: L:219.56	
FORD	2704ET	SF	7333F6102GCB SJ 351051NS	BORE:104.775 OD: 108.590 CD: 112.586 CT:4.763 FL: 0.635 L:219.558	
FORD	2701E,2706E,2704E,2709E	SF	2701E6055B SU 517801Z	BORE:104.775 OD: 108.864 CD: CT: FL: L:218.694	
FORD (CHROMARD)	DOVER 150	FF	KT 4125FFXHGA	BORE:104.775 OD: 109.164 CD: 112.586 CT:4.762 FL: 0.640 L:218.592	
FORD	2701E,2706E	SF	2704E6055B SU 517802F	BORE:104.775 OD: 109.372 CD: 112.395 CT:4.762 FL: L:218.694	

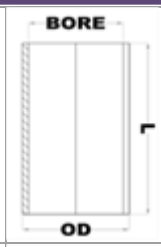
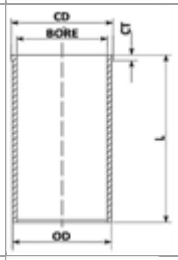
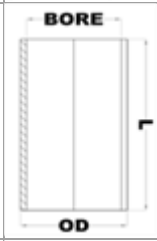
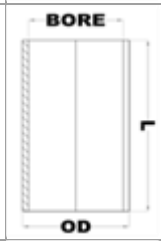
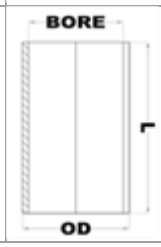
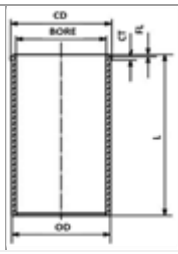
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	2704 ET	SF	SU 351136	BORE:104.775 OD: 109.372 CD: 112.827 CT:4.763 FL: 0.635 L:219.558	
FORD	2000/3000/3600	SF	C5NN6055A SU 522801	BORE:106.698 OD: 110.782 CD: CT: FL: L:209.55	
FORD	40D,256 CU IN, 32D	SF	SU 522801	BORE:106.698 OD: 110.782 CD: CT: FL: L:209.550	
FORD	8100	SF	SU 351175	BORE:107.213 OD: 111.417 CD: CT: FL: L:212.623	
FORD	2711E,2712E,2714 E,2715E	SF	SU 351175	BORE:107.213 OD: 111.417 CD: CT: FL: L:212.623	
FORD	2715E	SF	SU 351175	BORE:107.213 OD: 111.417 CD: CT: FL: L:212.623	

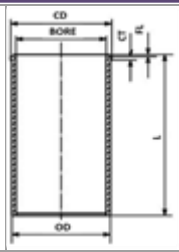
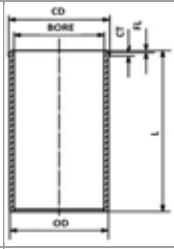
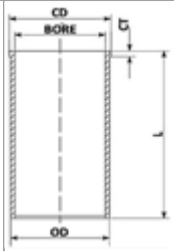
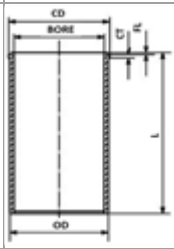
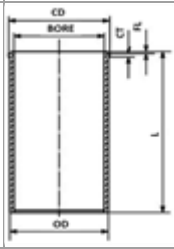
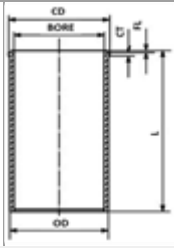
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	V8.510, AV8.510	FF	31358905 SJ351207	BORE:107.95 OD: 113.221 CD: 116.662 CT:2.591 FL: 0.66 L:226.06	
FORD	V8.510/AV8.510	FF	31358905 SJ 351207	BORE:107.95 OD: 113.221 CD: 116.662 CT:2.591 FL: 0.66 L:226.06	
FORD	V8.510/AV8.510	SF	SJ 351207	BORE:107.950 OD: 113.221 CD: 116.662 CT:2.591 FL: 0.660 L:226.060	
FORD	201cuin, 4000, 4610, 7000, 5000, 6600, 8000, 8600, 9600, 9700	SF	D7NN6055A, 1815327 SU351030	BORE:111.778 OD: 114.432 CD: 120.345 CT:2.56 FL: L:208.53	
FORD	201cuin / 4000 / 4610 / 7000 / 5000 / 6600 / 8000 / 8600 / 9600 / 9700	SF	D7NN6055A / 1815327 SU 351030	BORE:111.778 OD: 114.432 CD: 120.345 CT:2.56 FL: L:208.53	
FORD	BSD 332	SF	SU 351030	BORE:111.778 OD: 114.432 CD: 120.345 CT:2.565 FL: L:208.534	

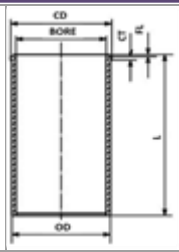
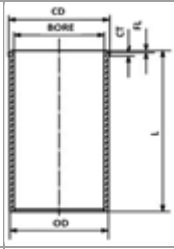
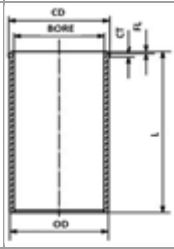
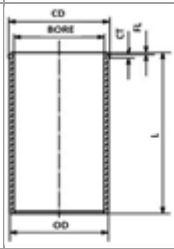
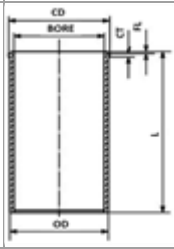
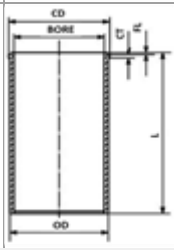
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
FORD	4.4 "	SF		BORE:111.779 OD: 116.5 CD: CT: FL: L:208.36	
	FORDSON MAJOR				
FORDSON MAJOR	OLD	FF	E1ADDN6055B SJ196802W	BORE:100 OD: 108.6 CD: 117.34 CT:11.18 FL: L:222.5	
FORDSON MAJOR	NEW	FF	E1ADDN6055E SJ491601WS	BORE:100 OD: 111.76 CD: 119.63 CT:11.17 FL: 0.66 L:222.18	
	GARDNER				
GARDNER	SP340	FF	31358327, 31358339, 31358349 SU569200, 6.354	BORE:98.476 OD: 103.26 CD: 106.45 CT:3.75 FL: 1 L:227.3	
GARDNER	LX, LXB	SF	SU498801	BORE:119.65 OD: 125.54 CD: CT: FL: L:298.45	
GARDNER	LW	SF	SU101	BORE:107.95 OD: 112.776 CD: CT: FL: L:298.069	

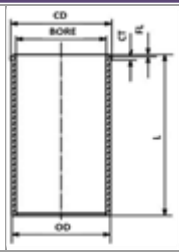
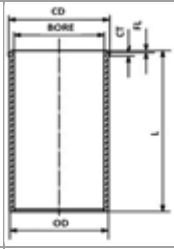
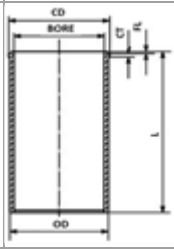
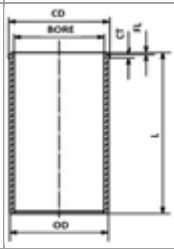
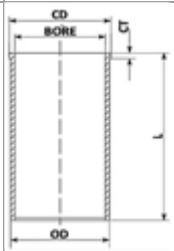
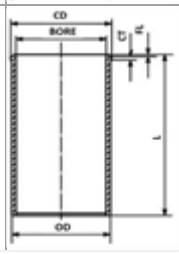
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
GARDNER	LW	SF	SU 101	BORE:107.95 OD: 112.776 CD: CT: FL: L:298.069	
GARDNER	6LX, 6LXB/6LXC	SF	LX/1/3003 SY351196	BORE:120.650 OD: 125.476 CD: CT: FL: L:298.196	
GARDNER	6HLXCT, 8LXCT, 8LX, 6LX/6LXB	SF	SU498801	BORE:120.650 OD: 125.476 CD: CT: FL: L:298.196	
GARDNER	L-3	SF	SU103403	BORE:139.700 OD: 145.331 CD: CT: FL: L:365.125	
GARDNER	6LYT	SF	SU351228	BORE:140.000 OD: 145.491 CD: CT: FL: L:331.191	
	HANOMOG				
HANOMOG	OM 615	SF		BORE:87 OD: 90 CD: 92 CT:4.7 FL: L:158.4	

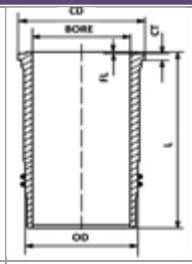
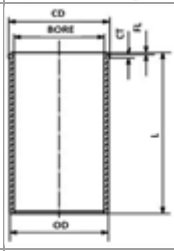
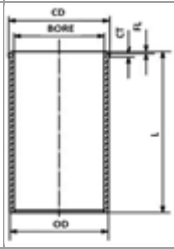
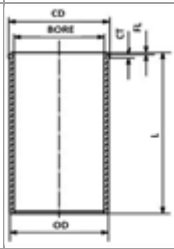
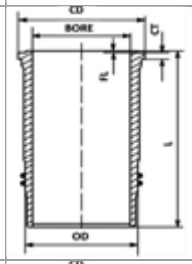
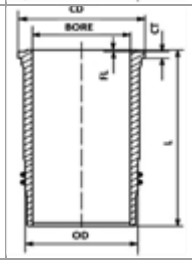
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HANOMOG	OM 314	SF		BORE:97 OD: 100.4 CD: 103.5 CT:5.21 FL: L:222	
HANOMOG	OM 360	SF		BORE:115 OD: 120 CD: 125 CT:5.5 FL: L:253.5	
	HENSCHEL				
HENSCHEL	OM 360	SF		BORE:115 OD: 120 CD: 125 CT:5.5 FL: L:253.5	
HENSCHEL	523.000	SF		BORE:130 OD: 134 CD: 137 CT:8 FL: L:290	
	HILL MAN				

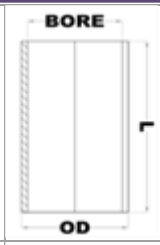
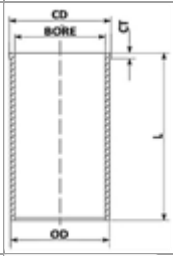
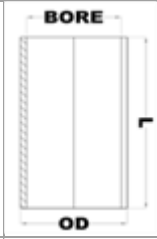
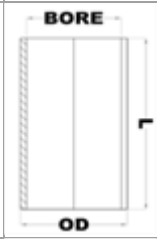
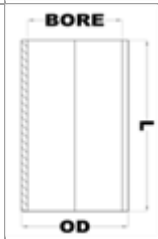
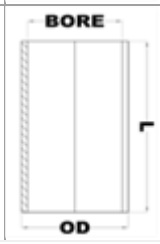
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HILL MAN	1265 CC, HUSKEY	SF	SU1946	BORE:65.088 OD: 68.809 CD: CT: FL: L:165.887	
HILL MAN	875 CC	SF	SU3834AF	BORE:67.986 OD: 74.752 CD: 82.550 CT:4.902 FL: L:100.330	
HILL MAN	1390 CC	SF	SU 2501	BORE:76.200 OD: 79.959 CD: CT: FL: L:152.400	
HILL MAN	1494 CC	SF	SU2848	BORE:78.999 OD: 82.752 CD: CT: FL: L:152.400	
HILL MAN	1496 CC, HUNTER	SF	SU3756	BORE:81.539 OD: 85.800 CD: CT: FL: L:152.400	
	HINO				
HINO	DM100	FF	11467-1401 / 11467-1440B / 11461-1330 SJ 351246	BORE:90 OD: 99 CD: 109.97 CT:9.06 FL: 0.8 L:198.5	

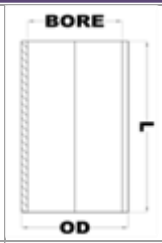
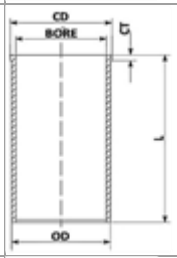
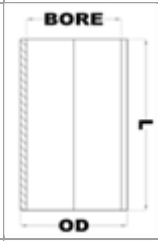
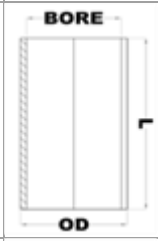
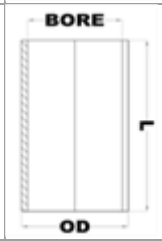
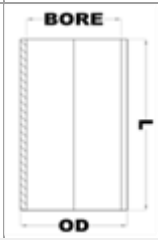
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HINO	B	SF	11461-56020 SU 351232	BORE:95 OD: 102.07 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
HINO	B	FF	11461-56020 SJ 351310	BORE:95 OD: 102 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
HINO	B	SF	11461-56030 SU 351323	BORE:95 OD: 99 CD: 104.65 CT:2.55 FL: L:190.22	
HINO	B	FF	11461-56030 SJ 351309	BORE:95 OD: 99 CD: 107.75 CT:2.55+1.20 FL: 1.2 L:190.22	
HINO	3B	FF	11461-58020 SJ 351364	BORE:102 OD: 106 CD: 111.65 CT:2.5 FL: 1.19 L:190.26	
HINO	3B	SF	11461-58020 SU 351238	BORE:102 OD: 106 CD: 111.65 CT:2.5 FL: 1.19 L:190.26	

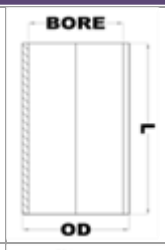
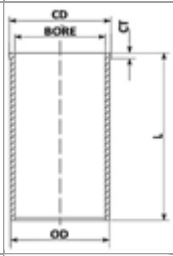
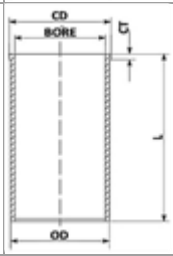
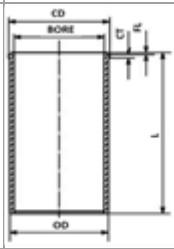
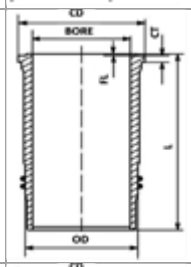
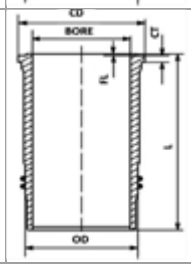
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HINO	WO4D / WO6D	FF	11467-1761-91 SJ 351301	BORE:104 OD: 106.975 CD: 112 CT:8.0+1.0 FL: 1 L:201	
HINO	W 04-6D	SF	11467-1761	BORE:104 OD: 107 CD: 112 CT:8 FL: 1 L:201	
HINO	EH 100	FF	11467- 1030 SJ 351236	BORE:105 OD: 109.95 CD: 115 CT:8.05 FL: 0.9 L:206	
HINO	H06B7	SF		BORE:105.8 OD: 110 CD: 118 CT:3 FL: 1 L:204	
HINO	FE 6	FF		BORE:108 OD: 111 CD: 116 CT:8+1 FL: 1 L:217	
HINO	HO6C	SF	11467-1591	BORE:108 OD: 113 CD: 118 CT:8 FL: 0.6 L:204	

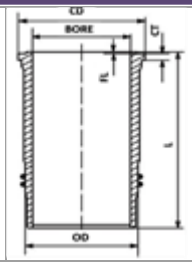
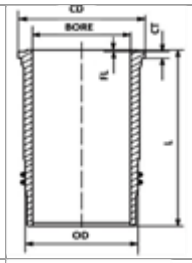
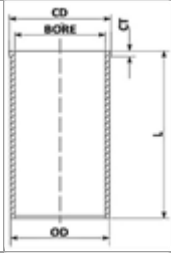
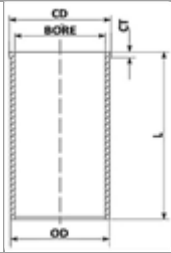
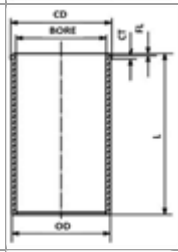
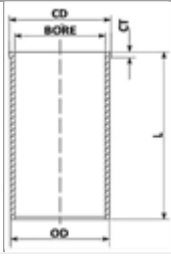
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HINO	HO6C	FF	11467-1601	BORE:108 OD: 113 CD: 118 CT:8 FL: 0.6 L:204	
HINO	EH-300	SF	11467-1010	BORE:108 OD: 112 CD: 118 CT:8 FL: 1 L:204	
HINO	HO6CT	SF		BORE:108 OD: 112 CD: 118 CT:8 FL: 0.6 L:204	
HINO	HO6CT/TA	SF		BORE:108 OD: 113 CD: 118 CT:8 FL: 0.6 L:204	
HINO	EH 700	FF	11467-1200 SJ 351249/20	BORE:110 OD: 112.96 CD: 117.95 CT:8 FL: L:204	
HINO	HO7C / HO7D	FF	11467-1200 SJ 351249	BORE:110 OD: 112.96 CD: 117.95 CT:8 FL: 0.877 L:204	

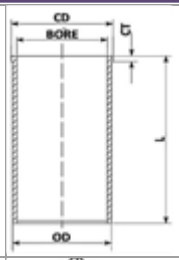
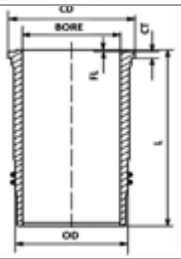
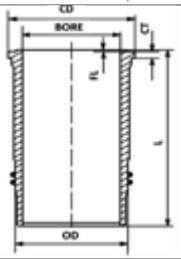
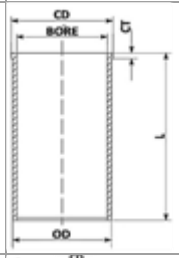
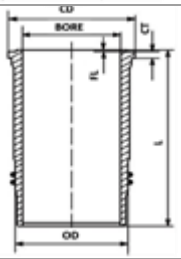
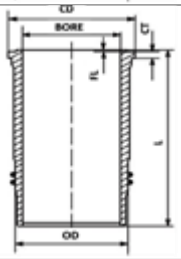
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HINO	EB300	FF	11467 1180 / 11467 1520 / 2334 1963 00	BORE:120 OD: 136 CD: 143 CT:11 FL: 1 L:288	
HINO	EP-100	SF		BORE:120 OD: 125 CD: 132 CT:8 FL: 1 L:236	
HINO	EM 100	FF	11467-1661,71 SJ 351311	BORE:124 OD: 129.1 CD: 134 CT:8 FL: 1 L:236	
HINO	M-107	SF		BORE:127 OD: 130 CD: 135.2 CT:8 FL: 1 L:236	
HINO	EF 750	FF	11467-1091A SJ351320	BORE:137 OD: 155 CD: 165 CT:12.12 FL: 0.8 L:247.8	
HINO	EK 100	FF	11467-1910 SJ 351251	BORE:137 OD: 153 CD: 164 CT:12 FL: 0.8 L:267	
	HYUNDAI				

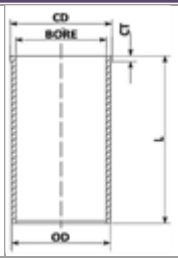
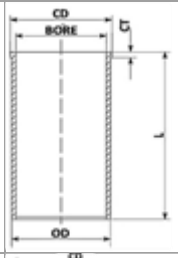
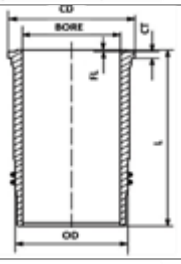
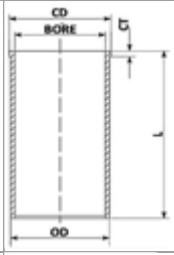
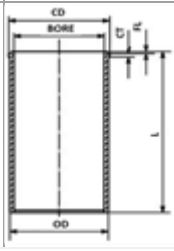
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HYUNDAI	4G33, 4G30, 4G36	SF		BORE:73.025 OD: 77.864 CD: CT: FL: L:174.62	
HYUNDAI	EXCELL	SF		BORE:75.5 OD: 79 CD: 81.14 CT:5 FL: L:146	
HYUNDAI	4G41	SF		BORE:76.2 OD: 81.039 CD: CT: FL: L:206.38	
HYUNDAI	4G62	SF		BORE:79 OD: 84.25 CD: CT: FL: L:150	
HYUNDAI	4G52	SF		BORE:83.74 OD: 89.01 CD: CT: FL: L:150	
HYUNDAI	4G54B	SF		BORE:88.5 OD: 95.37 CD: CT: FL: L:170	

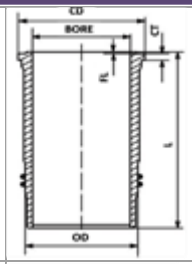
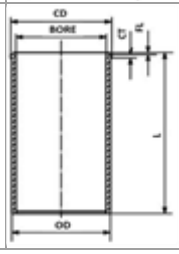
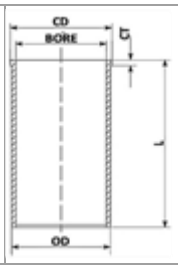
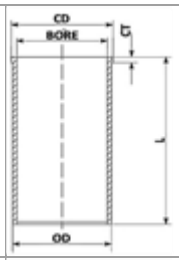
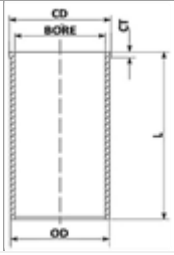
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HYUNDAI	4D55T,4D56T	SF	MD050431 SU351279	BORE:91.1 OD: 94.175 CD: CT: FL: L:165	
HYUNDAI	H-100	SF		BORE:91.1 OD: 94.2 CD: 96 CT:5 FL: L:166	
HYUNDAI	4DR5, 6DR5	SF	31607-02202 SU351257	BORE:92 OD: 95 CD: CT: FL: L:176	
HYUNDAI	4D31-T	SF	ME011513 SU351258	BORE:100 OD: 104 CD: CT: FL: L:196.5	
HYUNDAI	4D34	SF		BORE:104 OD: 108 CD: CT: FL: L:197.36	
HYUNDAI	4D32	SF	ME003366	BORE:104 OD: 108 CD: CT: FL: L:197	

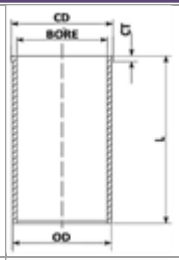
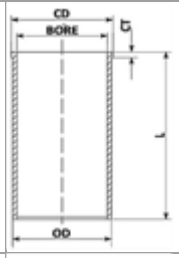
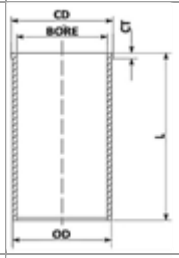
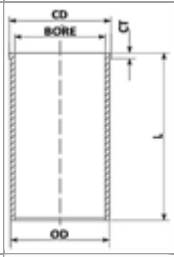
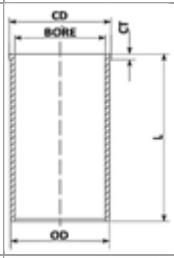
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
HYUNDAI	4D33	SF	M410601P	BORE:108 OD: 112 CD: CT: FL: L:200	
HYUNDAI	3,5T	SF		BORE:100 OD: 104.09 CD: 109 CT:5 FL: L:197	
HYUNDAI	2,5T	SF		BORE:104 OD: 107 CD: 113 CT:4 FL: L:197	
HYUNDAI	6D16	SF	SJ351316	BORE:118 OD: 122 CD: 128 CT:8 FL: 1.5 L:206	
HYUNDAI	8DC90/8DC90	FF	SJ351325	BORE:135 OD: 155.117 CD: 162.49 CT:11.855 FL: 1.625 L:259.75	
HYUNDAI	8DC91/8DC91	FF	SJ351319	BORE:135 OD: 153 CD: 163 CT:11.8 FL: 1.7 L:259.7	
	IFA				

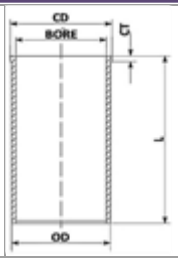
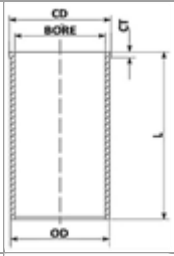
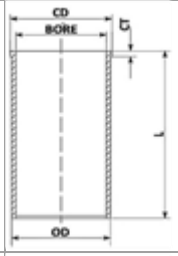
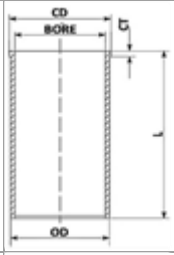
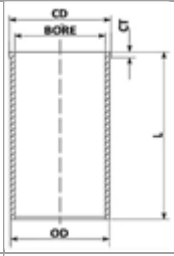
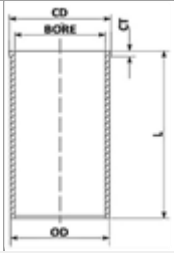
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
IFA	W-50	FF		BORE:120 OD: 135.1 CD: 139.8 CT:11.28 FL: 1.2 L:288	
	INTERNATIONAL (IHC)				
INTERNATIONAL (IHC)	BD154	FF	88 492 110 / 3044481R3 RSL 50710 / SJ481303	BORE:88.9 OD: 93.69 CD: 101.5 CT:5.81 FL: L:185.7	
INTERNATIONAL (IHC)	C-221/C-263	SF	367645-R2 DS 343	BORE:90.5 OD: 93.701 CD: 102.921 CT:4.801 FL: L:192.088	
INTERNATIONAL (IHC)	TD9B	FF	278272-R1 2264172	BORE:93.663 OD: 96.812 CD: 105.791 CT:4.76 FL: L:192.088	
INTERNATIONAL (IHC)	D-188	SF	278272-R1 DS341	BORE:93.675 OD: 96.812 CD: 105.791 CT:4.763 FL: 0.965 L:192.088	
INTERNATIONAL (IHC)	D-236 / D-188	SF	609028-C1 DS-459	BORE:93.675 OD: 96.876 CD: 98.374 CT:1.753 FL: L:193.278	

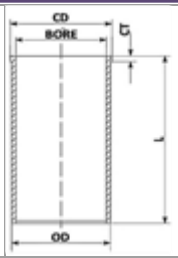
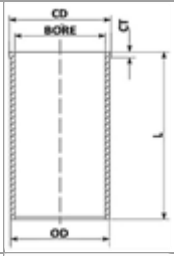
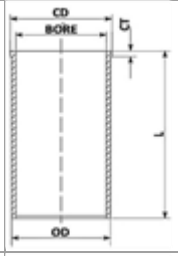
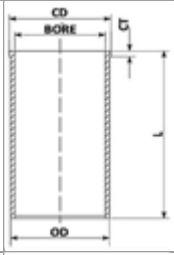
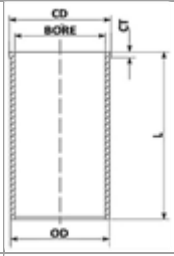
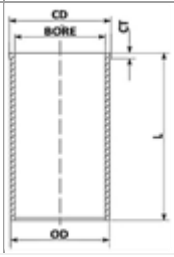
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
INTERNATIONAL (IHC)	C-291	SF	395407-R1 DS-474	BORE:95.25 OD: 98.476 CD: 99.822 CT:2.642 FL: L:192.088	
INTERNATIONAL (IHC)	D 206 / D 310	FF	3139587R3 / 3144447 / 3055019 SJ 351211	BORE:98.4 OD: 110.68 CD: 118.99 CT:7.722 FL: 1.143 L:200	
INTERNATIONAL (IHC)	D 239	FF	3139592R4 / 3144451 / 3055020 WS 558	BORE:98.425 OD: 110.7 CD: 119 CT:7.7 FL: 1 L:216	
INTERNATIONAL (IHC)	C-248	SF	DS-194	BORE:98.425 OD: 104.788 CD: 110.515 CT:4.75 FL: L:257.175	
INTERNATIONAL (IHC)	D-358/360	FF	3139592-R4 SJ 351201	BORE:98.425 OD: 111.3 CD: 118.999 CT:7.722 FL: 1 L:216	
INTERNATIONAL (IHC)	DT 360	FF	1809935-C3 WS 577H	BORE:101.6 OD: 113.03 CD: 120.142 CT:8.915 FL: 1.27 L:214.376	

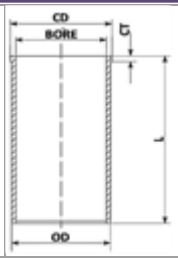
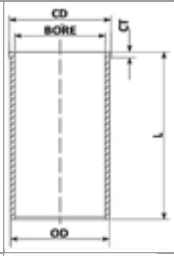
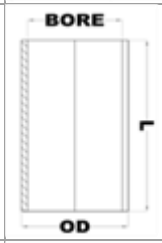
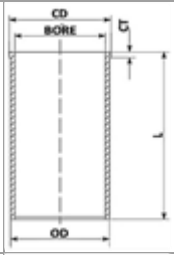
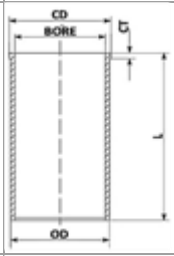
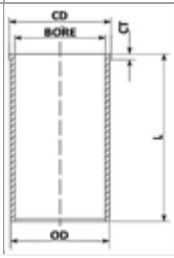
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
INTERNATIONAL (IHC)	BD 264	FF	SJ 181601	BORE:101.6 OD: 107.953 CD: 113.792 CT:4.775 FL: L:257.175	
INTERNATIONAL (IHC)	D-361	SF	349114-R11 DS-458	BORE:104.775 OD: 109.499 CD: 110.846 CT:2.642 FL: L:218.281	
INTERNATIONAL (IHC)	DT 466	FF	1810504-C2 WS 556H	BORE:109.22 OD: 122.301 CD: 133.223 CT:8.94 FL: 1.02 L:238.252	
INTERNATIONAL (IHC)	DT-407/UDT-407	SF	670293-C21 DS-504	BORE:109.753 OD: 113.513 CD: 115.888 CT:3.112 FL: L:220.663	
INTERNATIONAL (IHC)	9 Ltr	SF	DS588	BORE:114.3 OD: 119.126 CD: CT: FL: L:196.85	
INTERNATIONAL (IHC)	D-350/UD-350	SF	345314-R1 DS-339	BORE:114.3 OD: 120.675 CD: 130.124 CT:4.674 FL: 1.092 L:298.45	

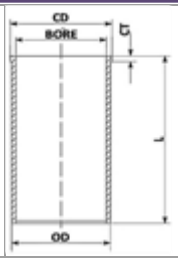
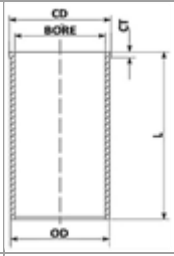
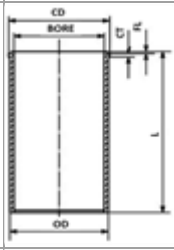
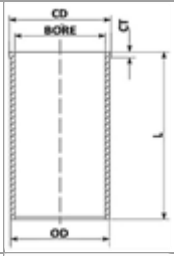
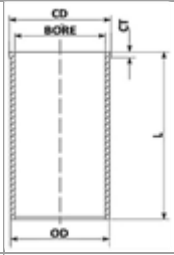
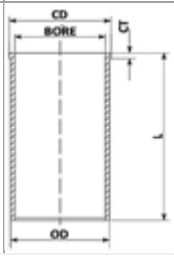
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
INTERNATIONAL (IHC)		FF	1841326C1	BORE:116 OD: Liner CD: CT: FL: L:	
INTERNATIONAL (IHC)	D-554/UD-554	SF	DS-339	BORE:117.475 OD: 120.675 CD: 130.124 CT:4.674 FL: 1.092 L:298.45	
	INDICA				
INDICA		SF		BORE:74.168 OD: 79.375 CD: 80.01 CT:7 FL: L:137	
	ISUZU				
ISUZU	1,7D	SF		BORE:79 OD: 82.25 CD: 83.1 CT:5.2 FL: L:137.5	
ISUZU	4BA1	FF	5-11261-802 KM 98JF	BORE:98 OD: 101.04 CD: 108 CT:1.42 FL: L:180.85	

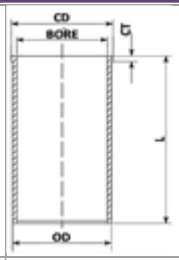
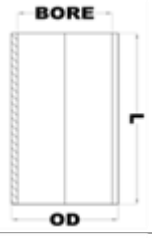
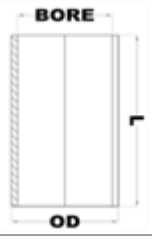
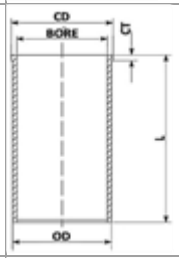
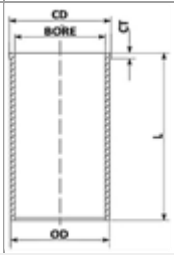
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	4BA1	SF	5-11261-802	BORE:98 OD: 102.25 CD: 108 CT:4 FL: L:180	
ISUZU	4BB1/ 4BD1 / 6BB1 / 6BD1	FF	5-11261-004-0 KM102JF	BORE:102 OD: 105.03 CD: 111.94 CT:1.4 FL: L:203.96	
ISUZU	4BB1/ 4BD1 / 6BB1 / 6BD1	SF	5-11261-118-0	BORE:102 OD: 107.125 CD: 112 CT:4 FL: L:203.96	
ISUZU	4BC2	FF	5-11261-014 KM102JF/1	BORE:102 OD: 105.03 CD: 111.94 CT:1.4 FL: L:187.17	
ISUZU	4BE1	FF	111261-1190 / 5-11261-016-2 KM 105JF	BORE:105 OD: 107 CD: 113 CT:1.4 FL: L:203	
ISUZU	4EC1	SF	8-94129-828 SU 351313	BORE:76 OD: 80 CD: CT: FL: L:138	

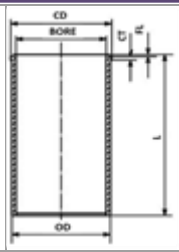
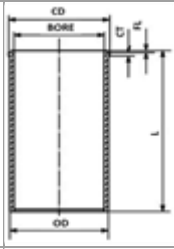
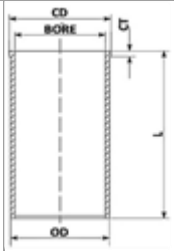
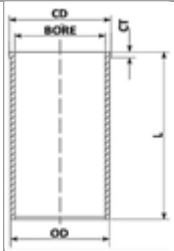
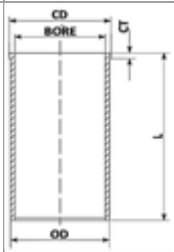
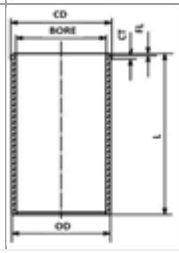
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	4FB1/4FC1	SF	5-12261-119	BORE:84 OD: 88.14 CD: 88.9 CT:4.8 FL: L:152.5	
ISUZU	4FD1	SF		BORE:88 OD: 92.075 CD: 92.83 CT:4.8 FL: L:158.7	
ISUZU	4HF1	SF	8-97176-727-0	BORE:112 OD: 115 CD: 122 CT:6 FL: L:180	
ISUZU	4HF1	FF	1-8-94389-276-3	BORE:112 OD: 115 CD: 122 CT:6 FL: L:180	
ISUZU	4HG1	SF	8-94219-032-0	BORE:115 OD: 118 CD: 12.6 CT:6.1 FL: L:180	
ISUZU	4JA1	SF	8-94110-144-0	BORE:93 OD: 98 CD: 102 CT:4 FL: L:156.3	

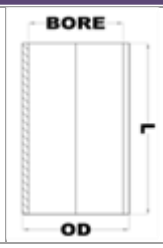
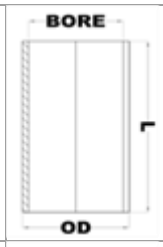
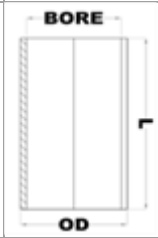
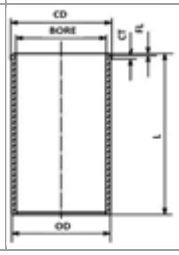
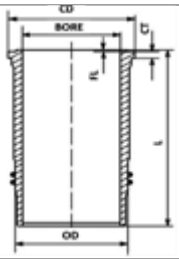
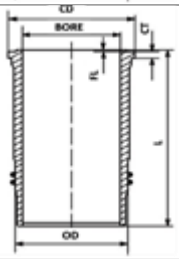
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	4JA1	FF	8-94462-130-0 KM 93JF	BORE:93 OD: 98 CD: 100.82 CT:4 FL: L:156.3	
ISUZU	4JB1	FF	8-94247-861-0 KM 93JFL	BORE:93 OD: 95.04 CD: 101 CT:0.92 FL: L:181	
ISUZU	4JB1	SF		BORE:93 OD: 98 CD: 102 CT:4 FL: L:181	
ISUZU	4JG2	FF		BORE:95.4 OD: 97 CD: 102.4 CT:1.2 FL: L:179	
ISUZU	6BB1 / 6BD1	SF	5-11261-004-0	BORE:102 OD: 107.125 CD: 112 CT:4 FL: L:204	
ISUZU	6RA1,6RA1T,6RA1TC , 6RB1,6RB1T,6RB1TC	FF		BORE:135 OD: 141 CD: 145 CT:6 FL: L:264	

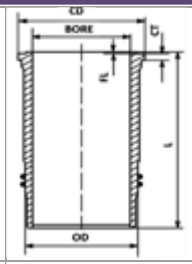
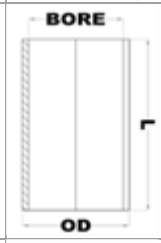
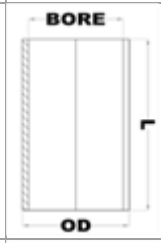
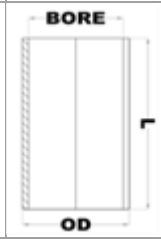
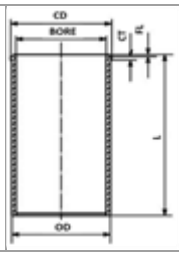
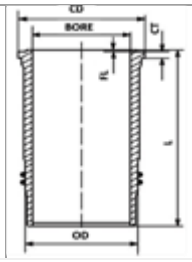
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	C190	FF	9-11261-224-0 KM86JF/1	BORE:86 OD: 88.011 CD: 93.98 CT:0.922 FL: L:163.373	
ISUZU	C190/C240	SF	9-11261-224-1 SU 351244	BORE:86 OD: 90.125 CD: 94 CT:4 FL: L:178	
ISUZU	C201	SF	SU 351096	BORE:83 OD: 87.064 CD: CT: FL: L:164	
ISUZU	C221	FF	9-11261-253-1 KM83JF	BORE:83 OD: 86.009 CD: 92 CT:1.42 FL: L:174	
ISUZU	C223	FF	5-11261-015 KM88JF	BORE:88 OD: 89.97 CD: 94.89 CT:0.89 FL: L:163.32	
ISUZU	C223	SF	5-11261-015 SU 351275	BORE:88 OD: 92.2 CD: 96 CT:5 FL: L:163.5	

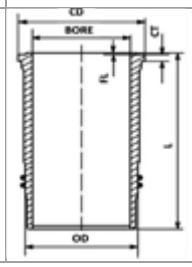
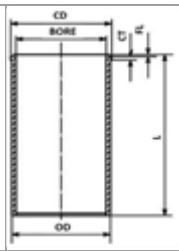
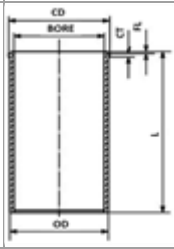
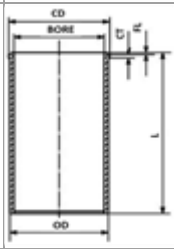
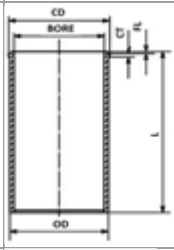
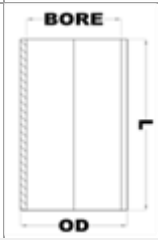
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	C240	FF	9-11261-230-0 KM86JF	BORE:86 OD: 88.008 CD: 93.98 CT:0.922 FL: L:178.46	
ISUZU	C240	FF	SJ 351158	BORE:100 OD: 112.944 CD: 118.7 CT:8.2 FL: L:220	
ISUZU	6HE1	FF	8-94391600-0	BORE:110 OD: 112.97 CD: 119.65 CT:5.6 FL: 0.5 L:210	
ISUZU	6HH1	FF	8-94393273-1	BORE:115 OD: 118 CD: 123.6 CT:6.1 FL: L:210	
ISUZU		FF	8-97176728-0	BORE:112.1 OD: 115 CD: 121.65 CT:6.1 FL: L:180.17	
ISUZU	DA 640	FF	SJ 351157	BORE:102 OD: 114.5 CD: 118.7 CT:8.2 FL: L:227.6	

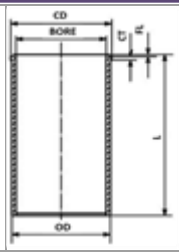
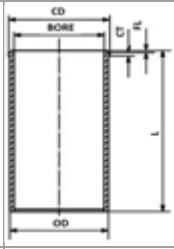
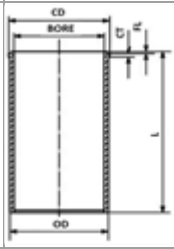
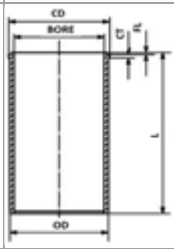
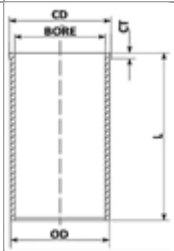
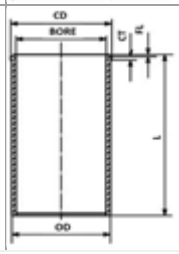
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	6BG1/6BP1	FF	5-11261-119-0 KM 105JF	BORE:105 OD: 107 CD: 113 CT:1.4 FL: L:203	
ISUZU	4ZB1	SF	1-4ZB1	BORE:83 OD: 88 CD: CT: FL: L:150.8	
ISUZU	4EE1T	SF		BORE:79 OD: 83 CD: CT: FL: L:144	
ISUZU	G200	SF		BORE:87 OD: 91 CD: CT: FL: L:142	
ISUZU	DA120	FF	9-11261-276-0	BORE:100 OD: 113 CD: 118.5 CT:8.03 FL: L:219.78	
ISUZU	6SA1	SF		BORE:115 OD: 119 CD: 125 CT:6 FL: L:216	

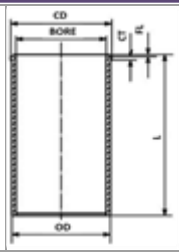
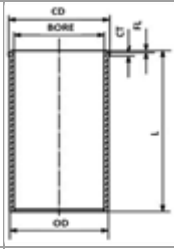
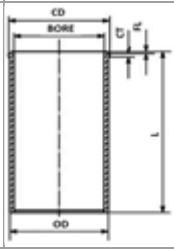
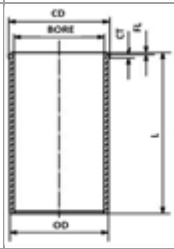
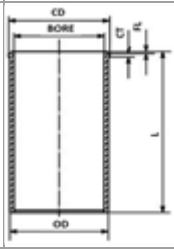
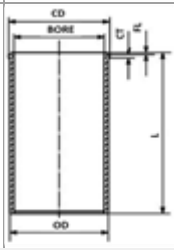
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ISUZU	PA1/PB1	SF		BORE:115 OD: 130 CD: 141.7 CT:10 FL: 1.2 L:219.5	
ISUZU	PC1/PC1T	SF		BORE:119 OD: 133 CD: 143.7 CT:10 FL: 1.2 L:219.5	
ISUZU	DH100	SF		BORE:120 OD: 135 CD: 140.6 CT:11 FL: L:280	
ISUZU	6BG1T	FF		BORE:105 OD: 107 CD: 112 CT:1.4 FL: L:203	
ISUZU	6BF1	FF		BORE:105 OD: 107 CD: 112 CT:1.4 FL: L:203	
ISUZU	6SD1/6SD1T	FF		BORE:120 OD: 123 CD: 129.6 CT:6 FL: 1 L:239	

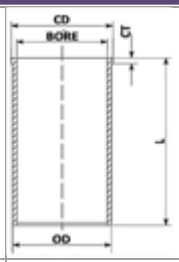
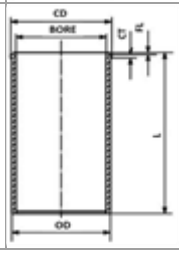
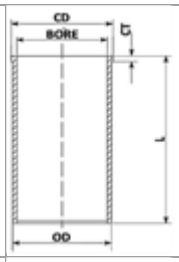
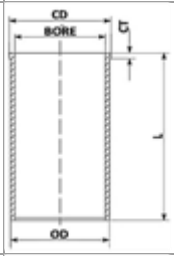
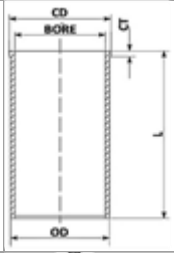
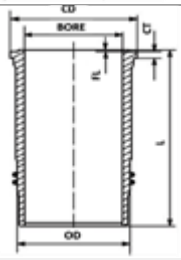
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
JAGUAR	4.2	SF	SU 3981	BORE:92.075 OD: 95.631 CD: CT: FL: L:177.013	
JAGUAR					
JAGUAR	MARK-X	SF	SU3007	BORE:86.990 OD: 90.551 CD: CT: FL: L:177.013	
JAGUAR	4235 CC	SF	SU 2115	BORE:92.075 OD: 95.631 CD: CT: FL: L:177.013	
JOHN DEERE	1520, JD410, 2030, 6600	FF	T 32343/ R48168 WS 485	BORE:102 OD: 117.78 CD: 125 CT:6.05 FL: 0.73 L:196	
	JOHN DEERE				
JOHN DEERE	3179D, 2040, 2140, 2150, 3179T, 4239D, 2350, 2355, 4239T, 310C, 6359D/T	FF	R 80724 / R 51726 / R 116281 WS 587	BORE:106.5 OD: 115.7 CD: 126 CT:6 FL: 0.8 L:196.5	
JOHN DEERE	4276D,4276T,6414D,6414T	FF	R54505 WS 529	BORE:106.5 OD: 116.215 CD: 126.5 CT:7.32 FL: 0.82 L:219.4	

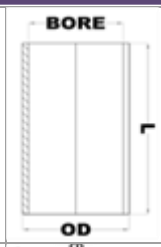
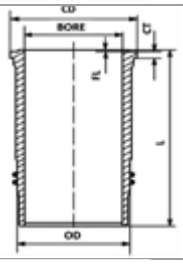
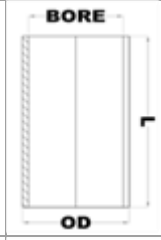
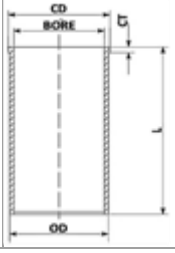
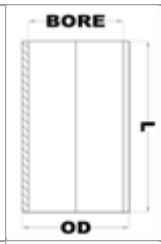
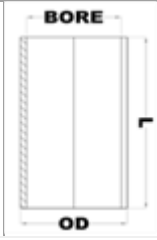
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
JOHN DEERE	3152D / 4202D / 6303D	FF	AR 51902 / R 48635	BORE:98 OD: 107.12 CD: 122.94 CT:6 FL: 0.6 L:196.86	
JOHN DEERE	DS-11	SF	R - 48168 WS - 485	BORE:86.990 OD: 90.551 CD: CT: FL: L:177.013	
JOHN DEERE	DJ-04-03	SF	R - 54505 WS - 529	BORE:92.075 OD: 95.631 CD: CT: FL: L:177.013	
JOHN DEERE	D-6531	SF	R - 42366 WS - 454	BORE:92.075 OD: 95.631 CD: CT: FL: L:177.013	
	JEEP				
JEEP	2710 CC	SF	SU351104 / SJ351176	BORE:92.000 OD: 96.888 CD: 100.990 CT:3.912 FL: 0.737 L:191.186	
	KAMAZ				
KAMAZ	V8	FF	740.100.2021-20 KS # 89 459 110	BORE:120 OD: 134 CD: 146 CT:10.3 FL: 1.3 L:224.5	

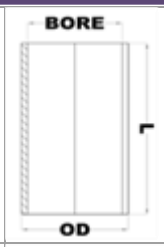
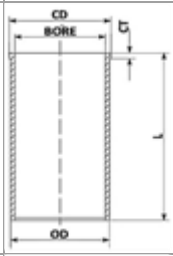
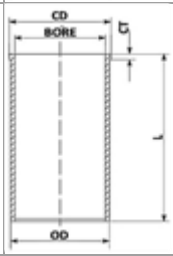
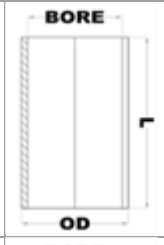
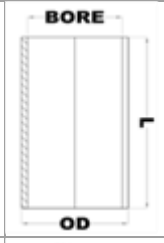
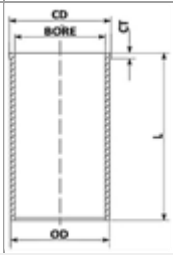
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
	KARAZ				
KARAZ	130	FF		BORE:130 OD: 152.35 CD: 160.03 CT:12.94 FL: L:283.91	
	KIA				
KIA	JT3000	FF	K75A-10-311B-AF	BORE:98.013 OD: 101.65 CD: 107 CT:2.5 FL: 0.68 L:166.18	
KIA	3600	FF		BORE:100 OD: 103.5 CD: 107.85 CT:2.51 FL: 0.99 L:193	
KIA	K2400	FF		BORE:92 OD: 96.84 CD: 101 CT:3.8 FL: 0.8 L:167.1	
KIA	K2700	FF		BORE:94.5 OD: 97.5 CD: 104.5 CT:3.81 FL: 0.68 L:167.8	
KIA	R2	SF	R2B6-11-311 SU 351297	BORE:86 OD: 90 CD: CT: FL: L:179.959	

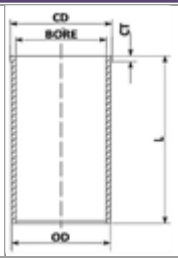
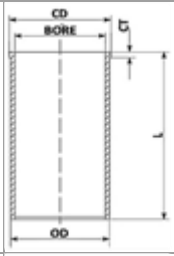
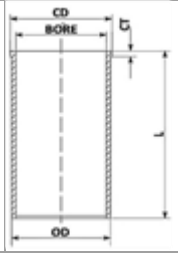
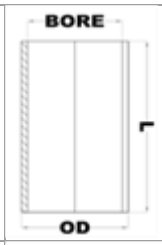
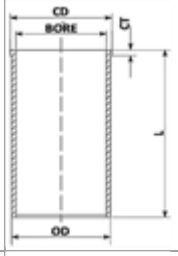
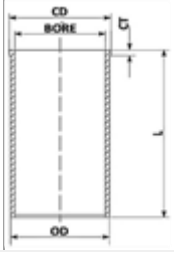
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
KIA	BONGO / 2200 CC	FF	1456-23-051 SJ 351253	BORE:88.9 OD: 96.916 CD: 101 CT:3.8 FL: 0.8 L:167.1	
KIA	SL	FF	SL01-23-31 SJ 351256	BORE:100 OD: 103.47 CD: 108 CT:2.5 FL: 1 L:193.7	
KIA	ZB	FF	SJ 351254V1	BORE:92 OD: 96.916 CD: 101 CT:3.8 FL: 0.8 L:191.1	
KIA	EM 100	FF	11467-1661,71 SJ 351311	BORE:124 OD: 129.1 CD: 134 CT:8 FL: 1 L:236	
KIA	K3500	SF	7-K3500	BORE:99.1 OD: 103.51 CD: 107.87 CT:2.45 FL: 1 L:193.58	
KIA	K3500	FF	7-K3500	BORE:99.1 OD: 103.51 CD: 107.87 CT:2.45 FL: 1 L:193.58	

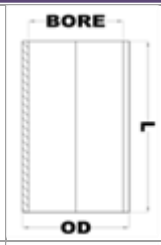
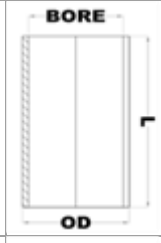
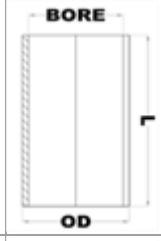
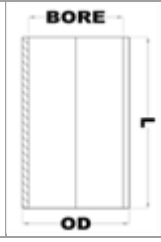
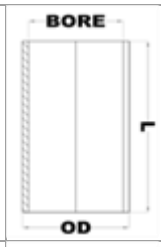
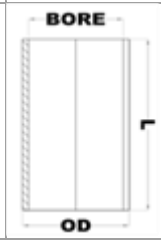
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
KIA	Ceres	SF		BORE:88.9 OD: 96.97 CD: 101 CT:3.8 FL: 1 L:167.1	
KIA	BESTA 2.7	FF	OVN01.10.311	BORE:93.013 OD: 96.84 CD: 102.5 CT:2.5 FL: 0.68 L:168.2	
KIA	BONGO 2.4	FF	OK756.10.311	BORE:91.4 OD: 96.9 CD: 101 CT:3.8 FL: 0.8 L:167.1	
KIA	PREGIO 2.7	FF	OK65A.10.311	BORE:94.5 OD: 97.5 CD: 104.5 CT:3.81 FL: 0.68 L:166.18	
KIA	RFA OVNY1-10-311	SF		BORE:93 OD: 96.75 CD: 102.4 CT:2.5 FL: 0.5 L:166	
KIA	JS- OK65A-10-311	FF		BORE:94.5 OD: 97.5 CD: 104.4 CT:3.8 FL: 0.5 L:167.5	

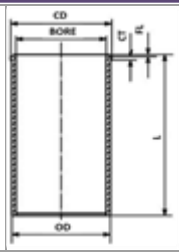
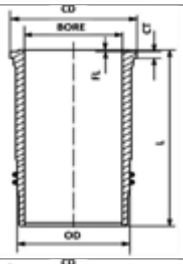
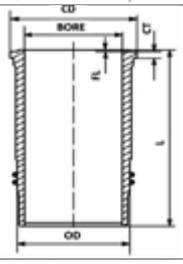
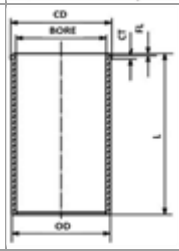
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
KIA	BESTA 2.2L	SF		BORE:86 OD: 90 CD: 92.6 CT:4.8 FL: L:165	
KIA	JT- OK75A-10-311	SF		BORE:98 OD: 101.4 CD: 106.95 CT:2.5 FL: 0.5 L:166	
	KOMATSU				
KOMATSU	D30E-16B/D50A-15C	SF	366 011 0610 SU 351281/352	BORE:97 OD: 100.495 CD: 103.428 CT:5 FL: L:222.5	
KOMATSU	6D95	FF	6207212110- 14023830 SJ 351302	BORE:95 OD: 97.97 CD: 103.95 CT:4 FL: L:201	
KOMATSU		FF	GOETZE # 14- 023830-00	BORE:95 OD: 97.97 CD: 103.95 CT:4 FL: L:180	
KOMATSU	BEPC-2203 / S6D 105 / 6D 105 / S4D 105 / 4D 105	FF	6136-22-2210	BORE:105 OD: 118.669 CD: 127 CT:10 FL: 1 L:223	

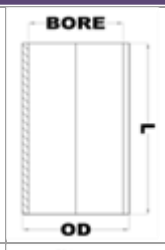
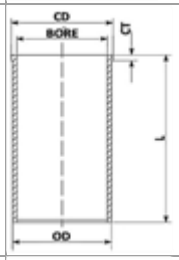
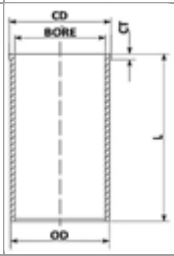
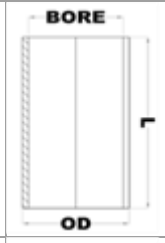
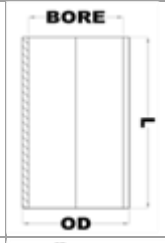
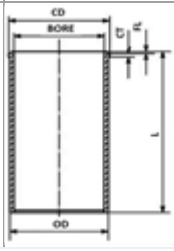
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
KOMATSU	828 AC.3	SF	21207702	BORE:76 OD: 81.08 CD: CT: FL: L:134.3	
KOMATSU	D125	FF	6151-22-2220	BORE:125 OD: 143 CD: CT: FL: L:256.4	
KOMATSU	SD110	FF	6138-21-220	BORE:110 OD: 115 CD: CT: FL: L:225	
KOMATSU	4D95	SF		BORE:95 OD: 98.018 CD: 103.95 CT:4.03 FL: L:179.823	
	LANCIA				
LANCIA	828 AC.3	SF	21207702	BORE:76.000 OD: 81.080 CD: CT: FL: L:134.300	
LANCIA	831AB.0/831A2.0	SF	21207702	BORE:76.100 OD: 81.080 CD: CT: FL: L:134.300	

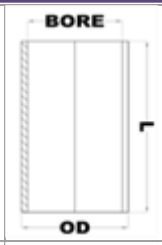
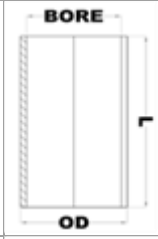
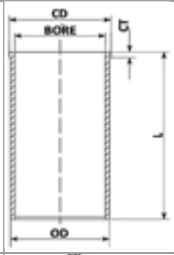
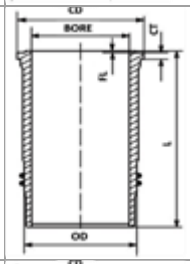
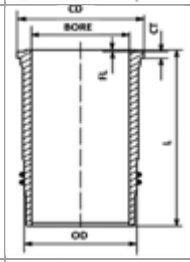
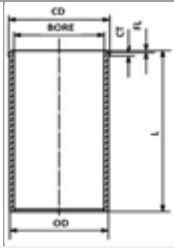
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LANCIA	132A.B.000	SF	21204002	BORE:80.000 OD: 84.060 CD: CT: FL: L:145.500	
LANCIA	831D.000	SF	21231302	BORE:82.600 OD: 86.060 CD: 89.000 CT:4.500 FL: L:154.000	
LANCIA	831D.000	SF	21232302	BORE:82.600 OD: 87.030 CD: 90.000 CT:4.600 FL: L:154.000	
LANCIA	132A.C1.000	SF	21206102	BORE:84.000 OD: 88.020 CD: CT: FL: L:145.500	
LANCIA	834B2.200	SF	21207802	BORE:84.000 OD: 88.060 CD: CT: FL: L:152.000	
LANCIA	8144.910	SF	21230702	BORE:93.000 OD: 97.030 CD: 100.000 CT:5.000 FL: L:167.000	

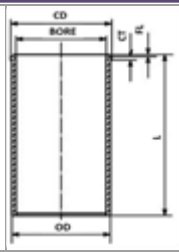
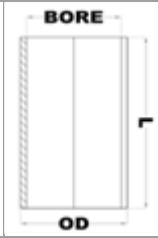
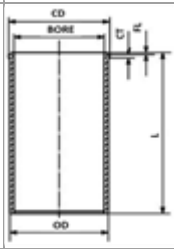
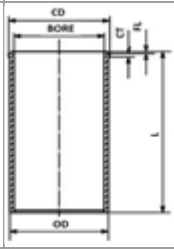
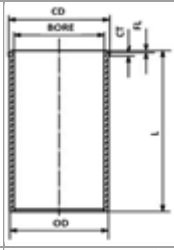
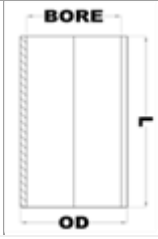
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LANCIA	8144.910	SF	21232802	BORE:93.000 OD: 96.010 CD: 98.920 CT:5.000 FL: L:167.000	
LANCIA	8144.970	SF	21233502	BORE:93.000 OD: 96.010 CD: 98.920 CT:5.000 FL: L:171.000	
LANCIA	8144.970	SF	21235902	BORE:93.000 OD: 97.030 CD: 100.000 CT:5.000 FL: L:171.000	
	LANDROVER				
LANDROVER	8 CYL.	SF	SU 4244	BORE:88.862 OD: 93.713 CD: CT: FL: L:141.732	
LANDROVER	10J / 12J / 19J	SF	502160 / 503160 / ERC 9188 SU 494402	BORE:90.475 OD: 94.5 CD: 99.7 CT:4.76 FL: L:191.364	
LANDROVER	2.6L	FF	SJ 4308	BORE:80 OD: 84.1 CD: 87.5 CT:5.05 FL: L:129.5	

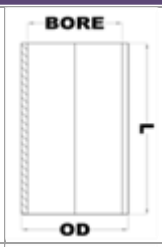
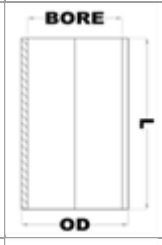
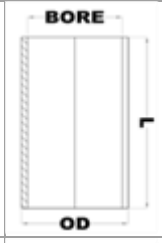
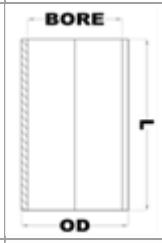
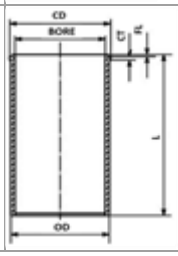
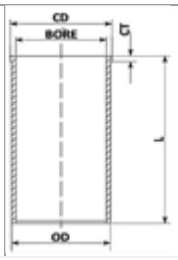
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LANDROVER	3.9LEF	SF	SU 4286	BORE:94 OD: 97.993 CD: CT: FL: L:141.732	
LANDROVER	1595 CC 1.52	SF	SU2109	BORE:69.500 OD: 73.076 CD: CT: FL: L:176.212	
LANDROVER		SF	SU498901	BORE:73.012 OD: 76.708 CD: CT: FL: L:163.512	
LANDROVER	1997 CC 2L	SF	SU2300	BORE:77.800 OD: 81.039 CD: CT: FL: L:174.625	
	LADA				
LADA	BA3	SF		BORE:76 OD: 80 CD: CT: FL: L:145.2	
LADA	UD 9A	SF		BORE:83 OD: 86 CD: CT: FL: L:153.5	
	LEYLAND				

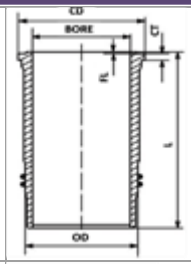
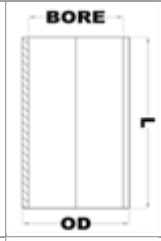
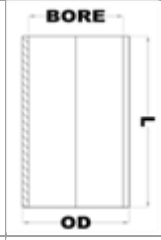
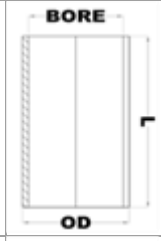
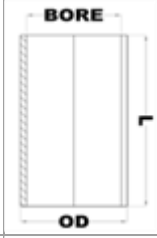
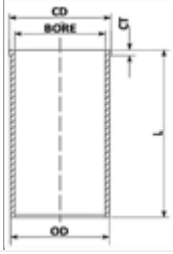
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LEYLAND	400	FF	604107 HJ 498400	BORE:107.23 OD: 111.83 CD: 113.21 CT:4.38 FL: 1 L:239.57	
LEYLAND	12J	SF	502160 / 503160 / ERC 9188 SU 494402	BORE:90.475 OD: 94.401 CD: CT: FL: L:191.364	
LEYLAND	4/98/6/98	FF	SJ 351107	BORE:98 OD: 108.18 CD: 117.09 CT:8.89 FL: L:221.54	
LEYLAND	4/98.T	FF	SJ 351047	BORE:98 OD: 108.18 CD: 117.09 CT:8.89 FL: 0.889 L:221.54	
LEYLAND	400/401	FF	CHROME BORE SJ 498402	BORE:107.22 OD: 111.3 CD: 112.7 CT:4.38 FL: 1 L:239.57	
LEYLAND	411 / 420	FF	SJ 351081	BORE:107.226 OD: 111.32 CD: CT: FL: L:239.57	

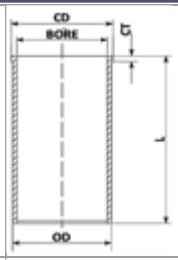
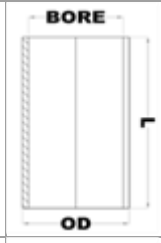
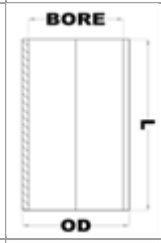
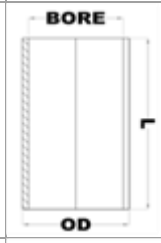
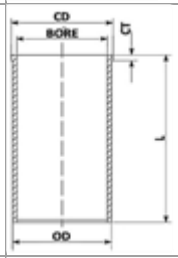
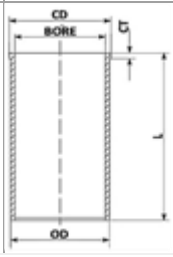
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LEYLAND	B SERIES / 411 / 420	SF	SU 351084	BORE:81.2 OD: 82.918 CD: CT: FL: L:153.924	
LEYLAND	D3.152	FF	31358322 / 31358345 SJ 546900/3.152	BORE:91.49 OD: 93.68 CD: 96.72 CT:3.81 FL: L:216.15	
LEYLAND	0680 PP	FF	CHROME BORE SJ 221501	BORE:127 OD: 133.104 CD: 138.811 CT:7.658 FL: L:288.29	
LEYLAND	B SERIES	SF	SU3270	BORE:76.187 OD: 79.845 CD: CT: FL: L:154.000	
LEYLAND	B SERIES	SF	SU351084	BORE:80.251 OD: 82.918 CD: CT: FL: L:153.924	
LEYLAND	OE138	SF	SJ235800	BORE:84.176 OD: 89.718 CD: 94.285 CT:11.176 FL: 0.635 L:187.960	

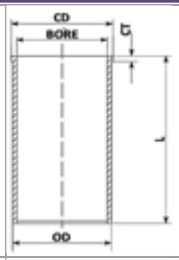
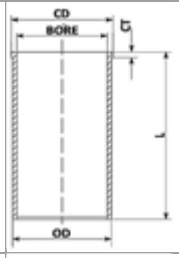
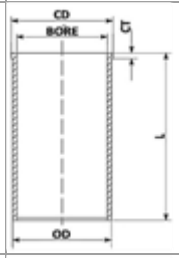
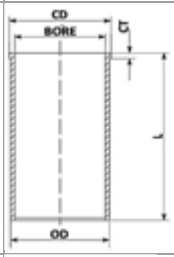
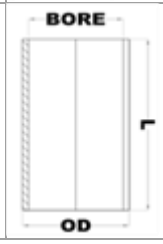
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LEYLAND	O SERIES	SF	SU4279	BORE:84.442 OD: 87.325 CD: CT: FL: L:152.273	
LEYLAND	EA SERIES 25U	SF	12B2589 SU3969	BORE:84.938 OD: 88.976 CD: CT: FL: L:192.100	
LEYLAND	2498 CC	SF	CH 2319 100	BORE:94.000 OD: 97.000 CD: 99.500 CT:3.900 FL: L:165.800	
LEYLAND	6/98 TV	FF	SJ351341	BORE:98.000 OD: 108.180 CD: 117.094 CT:8.89 FL: L:221.450	
LEYLAND	4/98 NT/NV	FF		BORE:98 OD: 109.3 CD: 117.1 CT:10 FL: L:221.5	
LEYLAND	6.354.2	SF	SJ584201	BORE:98.476 OD: 103.188 CD: 106.451 CT:3.708 FL: 1.041 L:227.279	

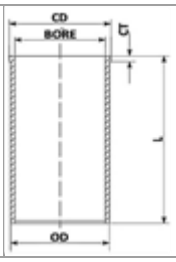
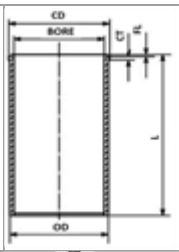
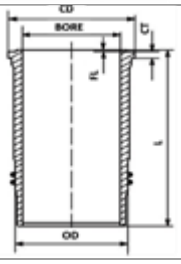
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LEYLAND	6.354.2	SF	SJ351150	BORE:98.476 OD: 103.188 CD: 106.451 CT:3.861 FL: 0.889 L:227.279	
LEYLAND	6.354.2	SF	SU538101	BORE:98.476 OD: 103.264 CD: CT: FL: L:228.981	
LEYLAND	6.354.4	SF	SU569200	BORE:98.476 OD: 103.238 CD: 106.426 CT:3.708 FL: 1.041 L:227.279	
LEYLAND	6.354.4	SF	SU351178	BORE:98.476 OD: 103.238 CD: 106.229 CT:3.861 FL: 0.889 L:227.279	
LEYLAND	V8.540	SF	SJ351207	BORE:107.950 OD: 113.221 CD: 116.662 CT:2.591 FL: 0.660 L:226.060	
LEYLAND	500501502510.000	SF	801848 SJ351153	BORE:118.001 OD: 124.579 CD: CT: FL: L:248.920	

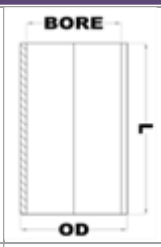
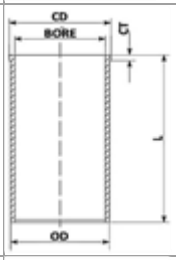
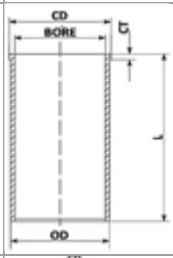
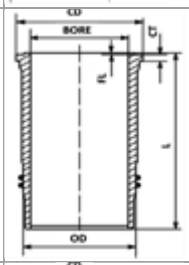
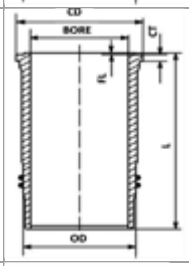
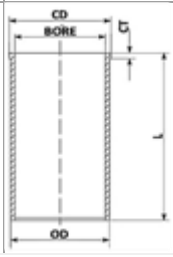
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LEYLAND	500.000	SF	KCM118L	BORE:118.001 OD: 124.580 CD: CT: FL: L:248.900	
LEYLAND	0501 / 0502	SF	SU351184	BORE:118.001 OD: 124.579 CD: CT: FL: L:248.925	
LEYLAND	TL11	SF	HJ351197V1	BORE:127.028 OD: 133.142 CD: CT: FL: L:289.433	
LEYLAND	TL11	SF	KJ351220	BORE:127.028 OD: 133.142 CD: CT: FL: L:289.433	
LEYLAND	L12 / TL 12	SF	SY351138	BORE:136.538 OD: 142.672 CD: 147.091 CT:4.597 FL: 1.067 L:290.525	
	LISTER				
LISTER	HR	FF	OLD	BORE:108 OD: 113 CD: 114 CT:6.5 FL: L:231.78	

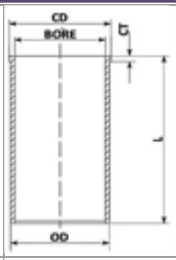
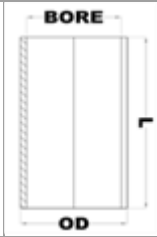
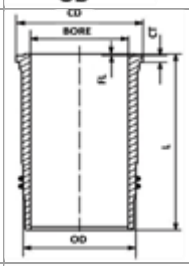
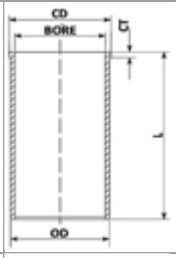
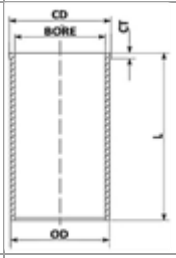
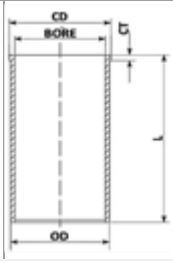
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
					
LISTER	LD	FF		BORE:76.2 OD: CD: CT: FL: L:	
LISTER	LR	FF	201-70110	BORE:76.2 OD: CD: CT: FL: L:	
LISTER	LT	FF		BORE:82.5 OD: CD: CT: FL: L:	
LISTER	SL	FF		BORE:80.96 OD: CD: CT: FL: L:	
LISTER	SR	FF		BORE:88.9 OD: 93.712 CD: 94.407 CT:4.762 FL: L:216.027	

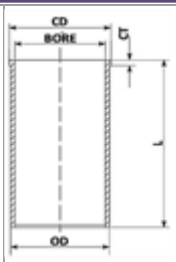
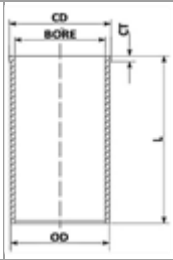
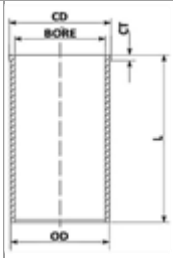
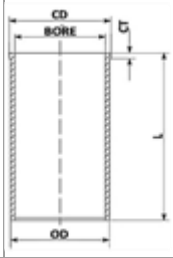
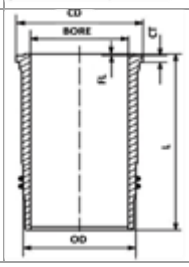
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LISTER	ST	FF	201-80061	BORE:95.25 OD: 100 CD: 101.5 CT:6 FL: L:189	
LISTER	TR	FF	201-32802	BORE:98.5 OD: CD: CT: FL: L:	
LISTER	TS	FF	201-37700	BORE:95 OD: CD: CT: FL: L:	
LISTER	VM	FF	OLD	BORE:105 OD: CD: CT: FL: L:	
LISTER	LD SLEEVE	SF		BORE:74.000 OD: 81.000 CD: 82.500 CT:6.000 FL: L:190.000	
LISTER	1430 CC	SF	SU4027	BORE:82.500 OD: 85.789 CD: 87.236 CT:3.302 FL: L:140.335	

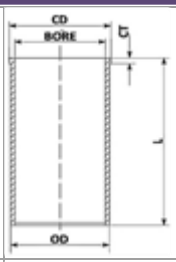
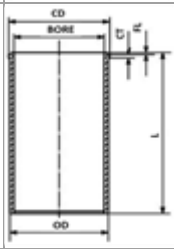
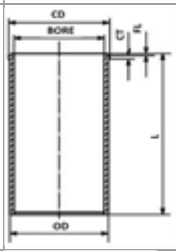
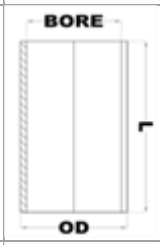
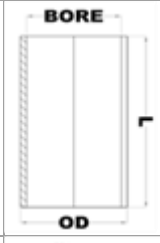
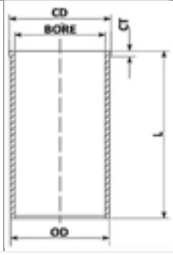
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LISTER	6 / 1	SF		BORE:113.500 OD: 120.500 CD: 122.000 CT:6.000 FL: L:255.000	
LISTER	6 / 1 SLEEVE	SF		BORE:113.500 OD: 120.500 CD: 122.000 CT:6.000 FL: L:255.000	
LISTER	8 / 1	SF		BORE:114.3 OD: 121.000 CD: 122.5 CT:9.5 FL: L:251	
LISTER	8 / 1	SF		BORE:113.500 OD: 121.000 CD: 125.000 CT:5.000 FL: L:255.000	
LISTER	5/1 6/1, 10/2 12/2	SF	SU131401	BORE:114.300 OD: 120.725 CD: CT: FL: L:250.825	
	LOMBARDANI				
LOMBARDANI	530	FF		BORE:82 OD: AIR COOLED BLOCK CD: CT: FL: L:	

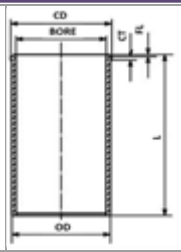
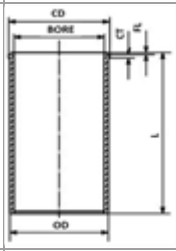
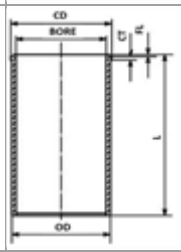
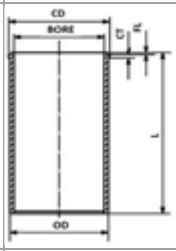
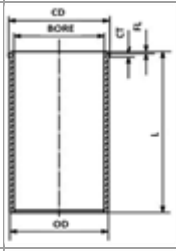
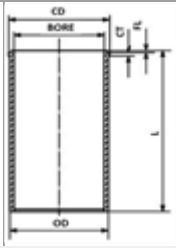
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
LOMBARD ANI	LDA.510	FF		BORE:85 OD: AIR COOLED BLOCK CD: CT: FL: L:	
LOMBARD ANI	450	FF		BORE:86 OD: AIR COOLED BLOCK CD: CT: FL: L:	
	LOTUS				
LOTUS	1558 CC	SF	SU4027	BORE:82.500 OD: 85.789 CD: 87.236 CT:3.302 FL: L:140.335	
	MACK TRUCKS				
MACK TRUCKS	ENDT-673/5/6 ETZB673E/ ETYB673 E/ ENDTB675C/ E6-200	FF	509GC284 AP1 DS-464H	BORE:123.825 OD: 129.413 CD: 135.915 CT:4.851 FL: 0.762 L:283.75	
MACK TRUCKS	E 7	FF	509GC463	BORE:123.825 OD: 135 CD: 139.8 CT:18.6 FL: 0.8 L:279.2	
	MAN				

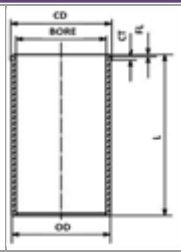
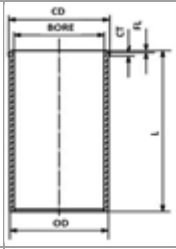
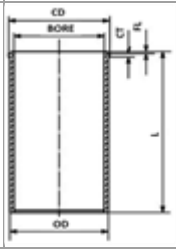
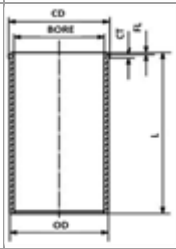
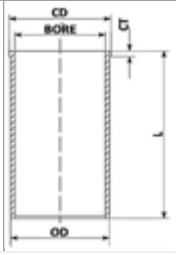
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAN	D 1146	FF		BORE:111 OD: 115 CD: CT: FL: L:234	
MAN	D 2156	FF	SJ 351145	BORE:121 OD: 125.96 CD: 131.88 CT:8.026 FL: L:287	
MAN	D 2356	FF		BORE:123 OD: 126.97 CD: 132.88 CT:8.02 FL: L:270	
MAN	D2555/ SL200/ D 2556 / D 2565	FF	51.01201.0296 SJ 351188V1/ MAHLE# 227WN32	BORE:125 OD: 140 CD: 152 CT:10.05 FL: 1 L:270	
MAN	D 2866	FF		BORE:128 OD: 144.5 CD: 153.8 CT:10.57 FL: 1 L:270	
MAN	0226 M	SF	89091110	BORE:102 OD: 105.99 CD: 111 CT:8 FL: L:217	

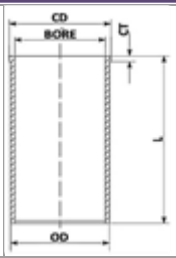
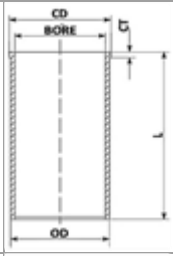
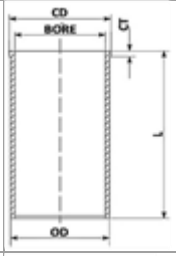
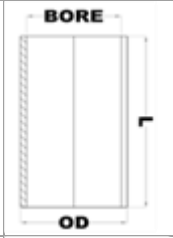
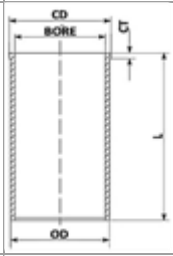
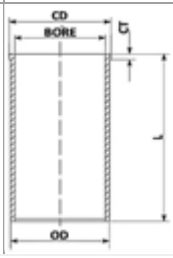
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAN	D 0824	FF	89339110 / SJ351338	BORE:108 OD: 111.49 CD: 116 CT:4.04 FL: L:217	
MAN	D 1246	SF	88324110	BORE:112 OD: 118 CD: CT: FL: L:288	
MAN	D 2865 / D 2866 / D 2876	FF	51.01201.0309 Mahle # 227 WN 37 / KS # 89 186 110 / AE # SJ 351336	BORE:128 OD: 144.5 CD: 153.8 CT:10.07 FL: 1 L:270	
MAN	D 2530 / D 2876	FF	MAHLE# 004WR06	BORE:90 OD: 95 CD: - CT:94 FL: L:104	
MAN	D-0224	SF		BORE:102 OD: 105.99 CD: 111 CT:8 FL: L:217	
MAN	D0846 HM2/HMN2	SF	51.01.201.0167 CH2830 270	BORE:108.000 OD: 113.000 CD: 118.000 CT:5.000 FL: L:254.000	

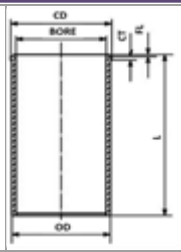
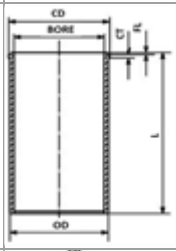
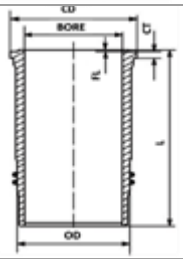
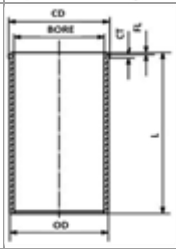
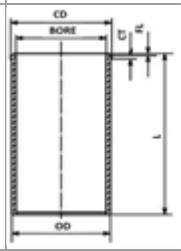
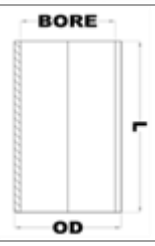
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAN	D0846 HM2/HMN2	SF	51.01.201.0240 CH2830 210	BORE:108.000 OD: 113.500 CD: 118.000 CT:5.000 FL: L:254.000	
MAN	D0846 HM2/HMN2	SF	CH 2830 220	BORE:108.000 OD: 114.000 CD: 118.0000 CT:5.000 FL: L:254.000	
MAN	D0846 HM2/HMN2	SF	SJ351147	BORE:108.000 OD: 113.000 CD: 118.000 CT:5.000 FL: L:254.000	
MAN	D-2366	SF		BORE:123.000 OD: 127.000 CD: 132.880 CT:8.020 FL: L:269.750	
MAN	2566	FF	89056-110	BORE:125 OD: 140 CD: 152 CT:10.05 FL: 1 L:270	
	MAZDA				

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAZDA	VA	FF		BORE:82 OD: 90 CD: 98 CT:9 FL: L:169.1	
MAZDA	HA T3000	FF	SJ 351255	BORE:95 OD: 96.916 CD: 101 CT:3.8 FL: 0.8 L:191.1	
MAZDA	HA E3000	FF	1363-23-051	BORE:95 OD: 98.5 CD: 103.5 CT:3.8 FL: 0.8 L:189	
MAZDA	R2	SF	R2B6-11-311 SU 351297	BORE:86 OD: 90 CD: CT: FL: L:179.959	
MAZDA	R2	SF	SU 351375	BORE:85.6 OD: 88.062 CD: CT: FL: L:178.5	
MAZDA	R2	SF	R2B6-10-311	BORE:86 OD: 89 CD: 94 CT:3 FL: L:163	

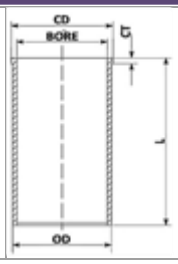
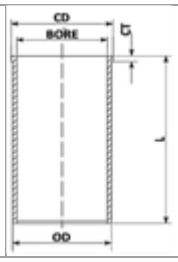
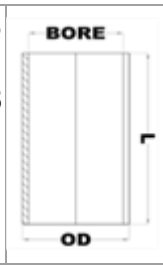
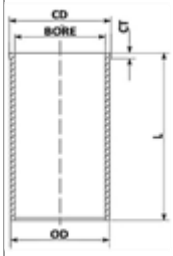
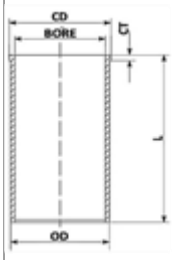
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAZDA	S2	FF	1456-23-051 SJ 351253	BORE:88.9 OD: 96.916 CD: 101 CT:3.8 FL: 0.8 L:167.1	
MAZDA	S2	SF	SJ 351331VI	BORE:88.5 OD: 96.84 CD: 101 CT:3.8 FL: 0.8 L:167.1	
MAZDA	SL	SF	SL01-23-051 SU 351256	BORE:100 OD: 103.47 CD: 108 CT:2.5 FL: 1 L:193.7	
MAZDA	SL	FF	SL01-23-31 SJ 351256	BORE:100 OD: 103.47 CD: 108 CT:2.5 FL: 1 L:193.7	
MAZDA	E2500	FF	SJ 351265	BORE:88.975 OD: 96.915 CD: 100.97 CT:3.77 FL: 1 L:188.83	
MAZDA	XA	FF		BORE:88.9 OD: 96.9 CD: 100.92 CT:3.72 FL: 1 L:188.83	

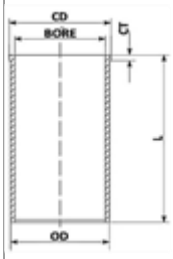
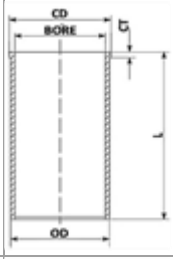
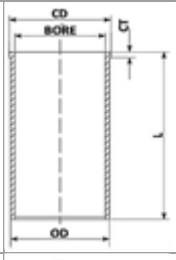
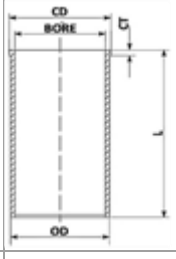
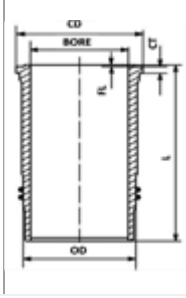
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAZDA	XB / ZB	SF	0528-10-311 / V101-23-05	BORE:92 OD: 96.916 CD: 101 CT:3.8 FL: 0.81 L:191.1	
MAZDA	XB / ZB	FF	SJ 351254	BORE:92 OD: 96.916 CD: 101 CT:3.8 FL: 0.81 L:191.1	
MAZDA	H.A.	SF	SU 351329	BORE:94.4 OD: 98.5 CD: 103.5 CT:3.8 FL: 0.8 L:191.1	
MAZDA	WL	SF	WL01-23-051	BORE:92.2 OD: 96.9 CD: 102.4 CT:2.5 FL: 0.78 L:165.06	
MAZDA	F8	SF	F801-23-051	BORE:85.25 OD: 90.05 CD: CT: FL: L:143.88	
MAZDA	RF	SF	RF01-23-051	BORE:85.25 OD: 89.58 CD: 91.3 CT:4.92 FL: L:164.95	

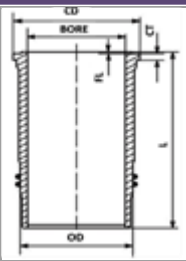
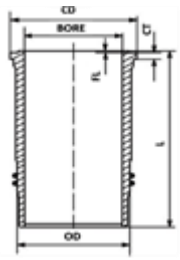
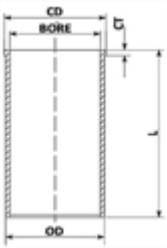
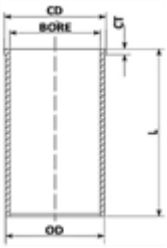
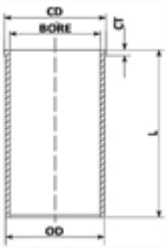
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAZDA	PB	SF	0249-10-311	BORE:68 OD: 77 CD: 88 CT:8.5 FL: L:125	
MAZDA	TB	SF	0271-23-206	BORE:70 OD: 77 CD: 88 CT:8.5 FL: L:132	
MAZDA	UA	SF	0604-10-311	BORE:75 OD: 86.5 CD: 94 CT:9 FL: L:147.5	
MAZDA	PN	SF		BORE:78 OD: 82 CD: CT: FL: L:155	
MAZDA	VP LINER	FF		BORE:82 OD: 90.7 CD: 97.95 CT:9.05 FL: L:188.45	
MAZDA	RD	SF		BORE:86 OD: 89.1 CD: 94.25 CT:3.5 FL: L:163	

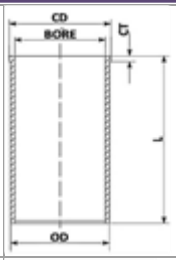
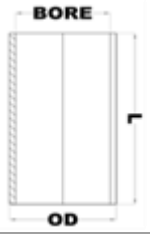
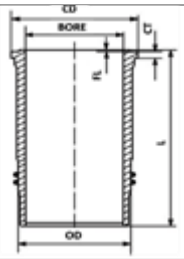
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAZDA	XA E-2500	SF	0636-10-311	BORE:88.9 OD: 96.9 CD: 100.92 CT:3.72 FL: 1 L:188.83	
MAZDA	TE	SF	K800-10-311A	BORE:105.5 OD: 109 CD: 114.5 CT:6 FL: 1.2 L:200	
MAZDA	HTK	FF		BORE:82 OD: LINER CD: CT: FL: L:	
MAZDA	WL	SF		BORE:93 OD: 96.9 CD: 102.4 CT:2.5 FL: 0.78 L:165.05	
MAZDA	E-2700	SF		BORE:92 OD: 96.9 CD: 100.95 CT:3.8 FL: 1 L:190	
MAZDA	B2500	SF		BORE:91.3 OD: 98.54 CD: CT: FL: L:230	
	MAXION				

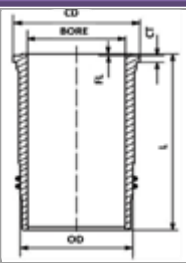
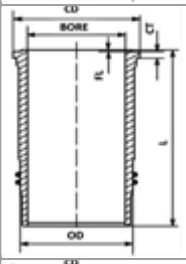
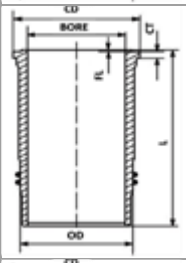
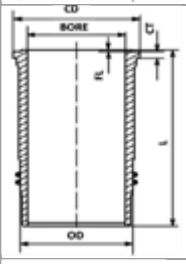
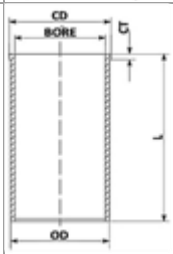
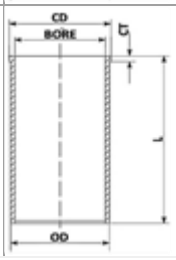
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MAXION	2500	SF		BORE:91.3 OD: 98.54 CD: CT: FL: L:230	
	MG				
MG	A SERIES	SF	SU3367	BORE:64.567 OD: 67.132 CD: CT: FL: L:134.137	
MG	A SERIES	SF	SU3598	BORE:70.612 OD: 73.089 CD: CT: FL: L:141.275	
MG	B SERIES	SF	SU2447	BORE:73.025 OD: 76.670 CD: CT: FL: L:153.988	
MG	B SERIES	SF	SU351084	BORE:80.251 OD: 82.918 CD: CT: FL: L:153.924	
MG	3528 CC	SF	SU4244	BORE:88.862 OD: 93.713 CD: CT: FL: L:141.732	
	MARUTI				

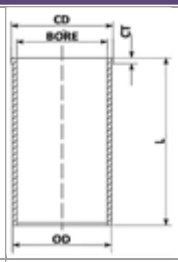
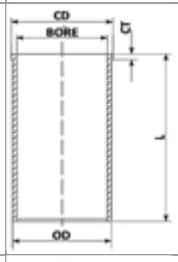
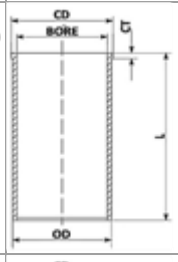
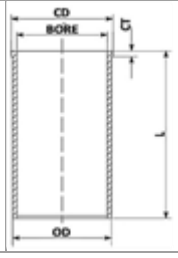
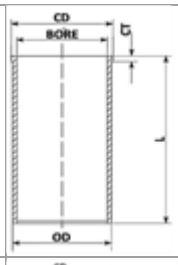
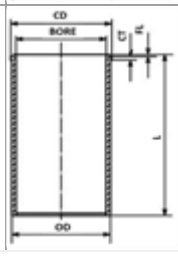
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MARUTI		SF		BORE:67.691 OD: 72.39 CD: 73.406 CT:7 FL: L:116	
	MATADOR				
MATADOR	F 307	SF		BORE:90.17 OD: 94.742 CD: 96.647 CT:7 FL: L:162	
	MIDLAND				
MIDLAND	1300	SF		BORE:68.84 OD: 75.438 CD: CT: FL: L:204	
	MERCEDES BENZ				
MERCEDES BENZ	OM 314 / OM 352 / OM 353	SF	SU 607501	BORE:97 OD: 103.099 CD: 105.926 CT:4.521 FL: L:223.012	
MERCEDES BENZ	OM 321	SF	SU 463801	BORE:95 OD: 101.074 CD: 103.924 CT:4.623 FL: L:215.265	

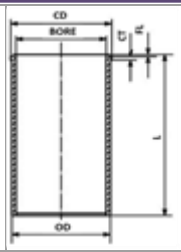
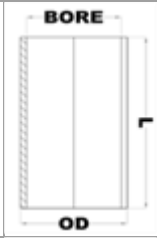
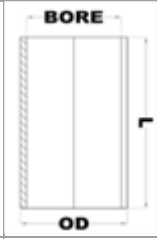
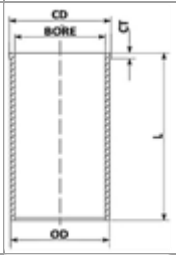
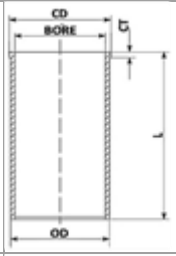
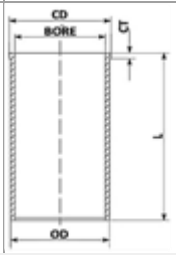
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MERCEDES BENZ	OM 314 / OM 352 / OM 366 / OM 364	SF	366 011 0610 SU 351281	BORE:97 OD: 100.495 CD: 103.428 CT:5 FL: L:222.5	
MERCEDES BENZ	OM 355A	SF	355 011 0710 / 355 011 0810 / 355 011 0910 SU 351094	BORE:128 OD: 133.565 CD: 137.42 CT:5.55 FL: L:287.5	
MERCEDES BENZ	OM 352	SF	352 011 1510 MAHLE_004WV08	BORE:97 OD: 101 CD: 104 CT:5.2 FL: L:222	
MERCEDES BENZ	OM 360	SF	360 011 0010	BORE:115 OD: 120 CD: 125 CT:5.5 FL: L:253.5	
MERCEDES BENZ	OM 401 / OM 402 / OM403	FF	403 011 3210 SJ 351231	BORE:125 OD: 139.959 CD: 151.957 CT:10.1 FL: 1.2 L:253	

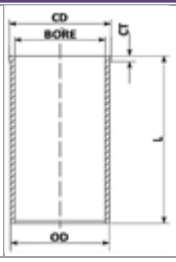
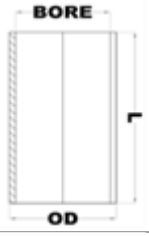
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MERCEDES BENZ	OM 401 / OM 402 / OM403	FF	Goetze # 14-451660-00	BORE:125 OD: 140 CD: 152 CT:10.07 FL: 1 L:253	
MERCEDES BENZ	OM 421 / 422	FF	422 011 0310 / 423 011 0210 SJ 351230 / Goetze # 14-451160-00	BORE:128 OD: 144.451 CD: 153.757 CT:10.07 FL: 1.1 L:253	
MERCEDES BENZ	OM 457/AXOR	FF	457 011 03 10 MAHLE NO. 001WN21		
MERCEDES BENZ	OM 602	SF	601 011 0210 / 601 011 0110 SU 351337	BORE:87 OD: 91.56 CD: 96.52 CT:4.74 FL: L:156.5	
MERCEDES BENZ	OM 615.913	SF	615 011 1010 / 615 011 1110 / 615 011 1210 SU 351122 / SU 351123	BORE:87 OD: 90.065 CD: 91.923 CT:4.8 FL: L:158.4	
MERCEDES BENZ	OM 616 / OM 617	SF	616 011 0710 / 616 011 0610 / 616 011 0310 SU 351119	BORE:91 OD: 94.065 CD: 95.92 CT:4.8 FL: L:158	

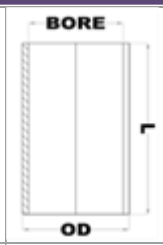
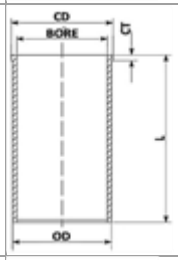
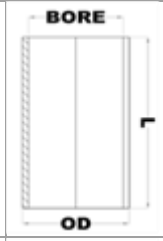
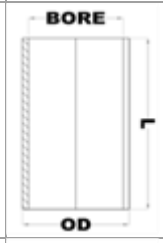
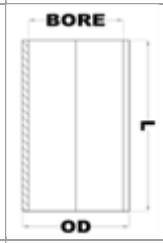
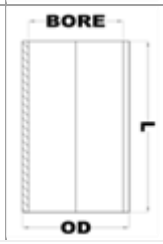
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MERCEDES BENZ	OM 636	SF	181 011 0110 SU 453801	BORE:75 OD: 79.075 CD: 80.825 CT:4.125 FL: L:190.246	
MERCEDES BENZ	OM 636	SF	SU 453802	BORE:75 OD: 79.075 CD: CT: FL: L:190.246	
MERCEDES BENZ	OM 401-404 / OM 421-424 / OM 441-444 / OM 407 / OM 409 / OM 427 / OM 447 / OM 449 / 401-402 A-LA	FF	004WR06	BORE:90 OD: 95 CD: - CT:94 FL: L:104	AIR COOLED BLOCK
MERCEDES BENZ	OM 401-404 / OM 421-424 / OM 441-444 / OM 407 / OM 409 / OM 427 / OM 447 / OM 449 / 401-402 A-LA	FF	004WN05	BORE:90 OD: 95 CD: - CT:94 FL: L:104	
MERCEDES BENZ	OM 501 LA / OM 502 LA	FF	004WR16	BORE:100 OD: CD: CT: FL: L:101	AIRCOODED BLOCK
MERCEDES BENZ	OM 424 / 424A / 424LA / 441A / 441Euro1 / 441LA / 441Euro1 & 2 / 442A / 442LA / 442LA / 443A Turbocharged / 444LA	FF	444 011 0210 / 444 011 0110 SJ 351340 / RSL 59742A 003WN35 003WN25	BORE:128 OD: 144.5 CD: 153.8 CT:9.92 FL: 1 L:253	

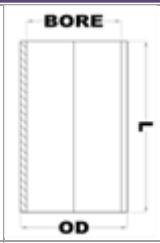
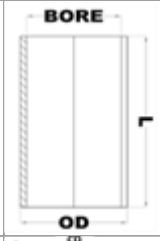
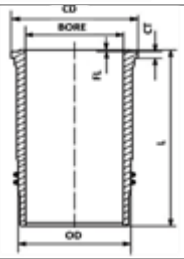
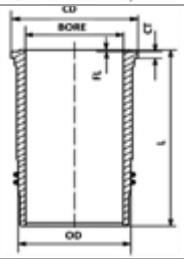
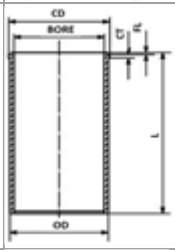
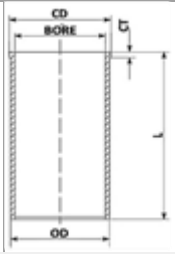
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MERCEDES BENZ	OM 443 / 444	FF	442 011 0310 SJ 351334 / RSL 59743	BORE:130 OD: 144.5 CD: 153.8 CT:9.92 FL: 1 L:253	
MERCEDES BENZ	OM 522/542/541/942/941 ACTROS	FF	541 011 05 10 MAHLE NO. 003WN37/003WN38	BORE:130 OD: 150 CD: 164.1 CT:10.12 FL: 1.1 L:258	
MERCEDES BENZ		FF	MAHLE 003WN24	BORE:125 OD: 144.5 CD: 153.8 CT:9.92 FL: 1 L:253	
MERCEDES BENZ	OM 409 / A / HA / H / OM 407	FF	407 011 1110 / 407 011 1010 / 407 011 0910 003WN16	BORE:125 OD: 140 CD: 152 CT:10.07 FL: 1 L:265	
MERCEDES		SF	002WV04	BORE:89 OD: 91.5 CD: 96.55 CT:4.7 FL: L:156.5	
MERCEDES BENZ	OM 904 / OM 906	SF	GOTZE # 14-028610-00	BORE:102 OD: 106 CD: 109.5 CT:6.2 FL: L:220	

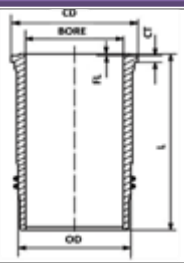
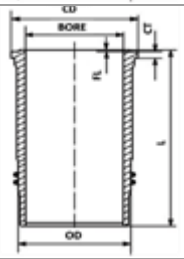
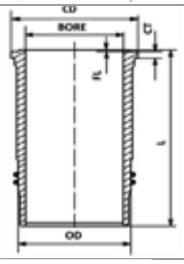
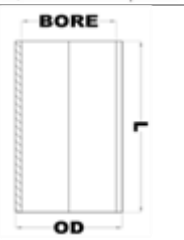
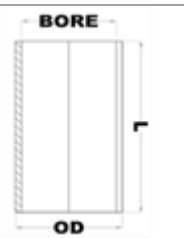
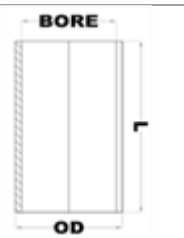
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MERCEDES	M110	SF		BORE:85 OD: 88 CD: 91 CT:4 FL: L:160	
MERCEDES	M115	SF		BORE:87 OD: 90 CD: 93 CT:4 FL: L:156.5	
MERCEDES		SF	001WV04	BORE:90.9 OD: 94 CD: 96 CT:4.7 FL: L:158.4	
MERCEDES	OM 924			BORE:106 OD: 105 CD: 110 CT: FL: L:220	
	MESSY FERGUSON				
MESSY FERGUSON	A3.152	FF	31358322 / 31358345 SJ 546900	BORE:91.491 OD: 93.663 CD: 96.723 CT:3.81 FL: L:216.027	
MESSY FERGUSON	A4.212	FF	31358394 / 31358441 SJ 351150	BORE:98.476 OD: 103.188 CD: 106.451 CT:3.86 FL: 0.89 L:227.279	

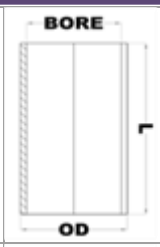
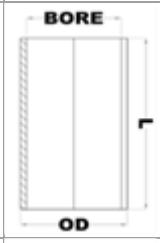
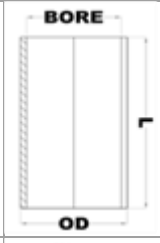
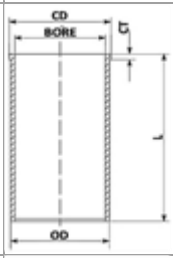
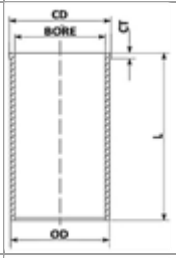
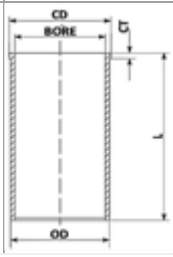
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MESSY FERGUSON	A4.248	FF	31358352 SJ 351166	BORE:101.054 OD: 104.203 CD: 107.442 CT:3.86 FL: 0.84 L:227.279	
MESSY FERGUSON	TE 20 PETROL	FF	893007M-1	BORE:85 OD: 92.03 CD: CT: FL: L:171.29	
MESSY FERGUSON	MF 35 PETROL	FF	825861M-1	BORE:87 OD: 92.75 CD: CT: FL: L:171.35	
MESSY FERGUSON	MF 35 23C DIESEL	FF	1884940M-1	BORE:84.2 OD: 89.77 CD: 94.23 CT:11.15 FL: L:187.5	
MESSY FERGUSON	6.600	FF	SJ351306	BORE:100.000 OD: 104.229 CD: 107.442 CT:3.861 FL: L:226.440	
MESSY FERGUSON	A4.318	FF	31358534 SJ351192	BORE:114.313 OD: 117.881 CD: 121.133 CT:2.718 FL: L:230.784	

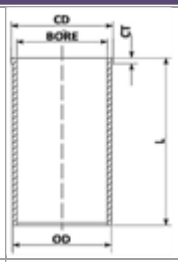
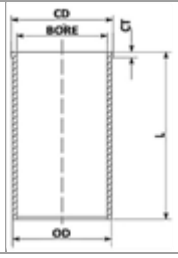
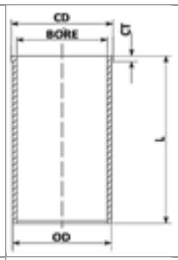
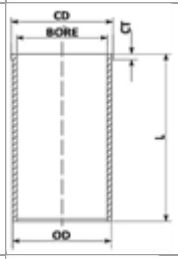
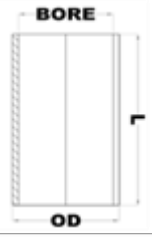
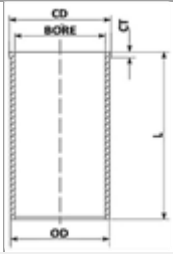
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MESSY FERGUSON	A4.318	SF	31358533 SU351193	BORE:114.313 OD: 117.932 CD: 121.133 CT:2.718 FL: L:230.784	
	MITSUBISHI				
MITSUBISHI	4D30/4D31	SF	ME011513 SU 351258	BORE:100 OD: 104 CD: CT: FL: L:196.5	
MITSUBISHI	4D30/4D31	SF	ME011523 / ME011604	BORE:100 OD: 104 CD: CT: FL: L:191	
MITSUBISHI	4D32	SF	ME003366	BORE:104 OD: 108 CD: CT: FL: L:197	
MITSUBISHI	4D33	SF		BORE:108 OD: 112 CD: CT: FL: L:200	
MITSUBISHI	4D34	SF		BORE:104 OD: 108 CD: CT: FL: L:197.36	

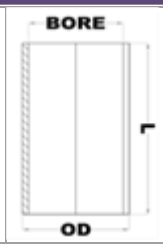
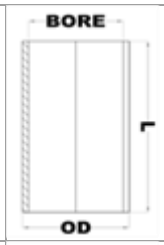
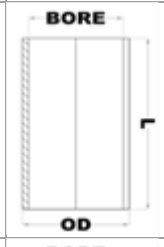
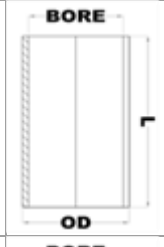
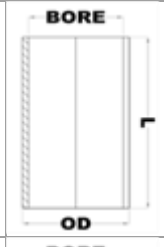
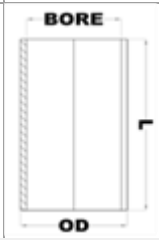
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MITSUBISHI	4D55	SF	MD050431 SU 351279	BORE:91.1 OD: 94.175 CD: CT: FL: L:165	
MITSUBISHI	4D56	SF		BORE:90.5 OD: 94.15 CD: 95.9 CT:5.1 FL: L:164.7	
MITSUBISHI	4DR5/6DR5	SF	31607-02202 SU 351257	BORE:92 OD: 95 CD: CT: FL: L:176	
MITSUBISHI	4G30/4G36	SF		BORE:73.025 OD: 77.864 CD: CT: FL: L:174.62	
MITSUBISHI	4G41	SF		BORE:76.2 OD: 81.039 CD: CT: FL: L:206.38	
MITSUBISHI	4G52	SF		BORE:83.74 OD: 89.01 CD: CT: FL: L:150	

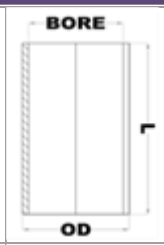
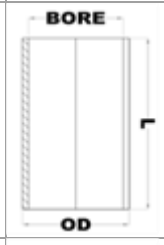
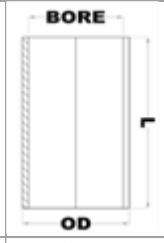
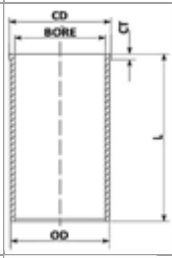
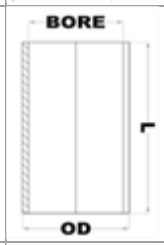
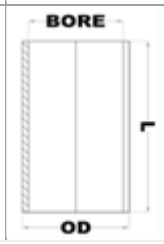
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MITSUBISHI	4G54B	SF		BORE:88.5 OD: 95.37 CD: CT: FL: L:170	
MITSUBISHI	4G62	SF		BORE:79 OD: 84.25 CD: CT: FL: L:150	
MITSUBISHI	6D14	FF	ME031453 SJ 351259	BORE:110 OD: 122 CD: 130.6 CT:10 FL: 1.3 L:206	
MITSUBISHI	6D15	FF	SJ 351260	BORE:113.017 OD: 125 CD: 133 CT:10 FL: 1.5 L:206	
MITSUBISHI	6D16	FF	SJ 351316	BORE:118 OD: 122 CD: 128 CT:8 FL: 1.5 L:206	
MITSUBISHI	6D17	SF		BORE:118 OD: 122 CD: 128 CT:8 FL: L:205	

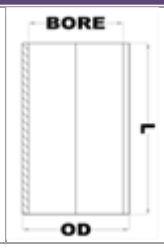
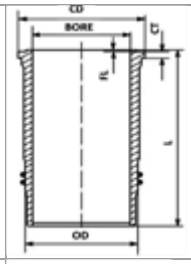
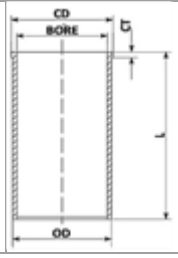
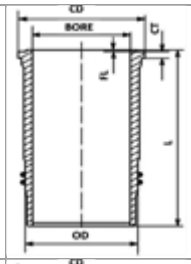
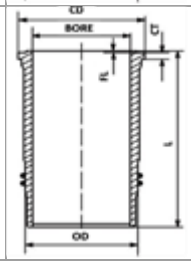
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MITSUBISHI	6D22	FF	SJ 351261	BORE:130 OD: 147 CD: 156 CT:11.5 FL: 1.75 L:261.75	
MITSUBISHI	8DC90	FF	SJ 351325	BORE:135 OD: 155 CD: 163 CT:11.8 FL: 1.7 L:259.7	
MITSUBISHI	8DC91 / 8DC91A	FF	SJ 351319	BORE:135 OD: 153 CD: 163 CT:11.8 FL: 1.7 L:259.7	
MITSUBISHI	KE44 / KE46	SF		BORE:73.025 OD: 77.864 CD: CT: FL: L:174.62	
MITSUBISHI	S6G	SF	16904698	BORE:101 OD: 105.07 CD: CT: FL: L:195.5	
MITSUBISHI	4M40	SF	ME202342	BORE:95 OD: 99 CD: CT: FL: L:186	

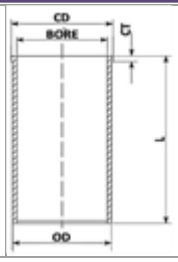
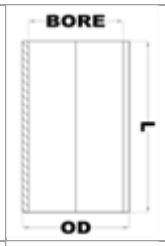
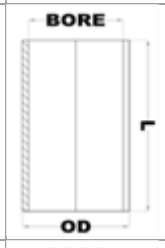
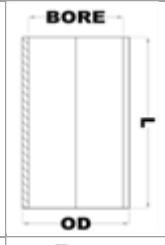
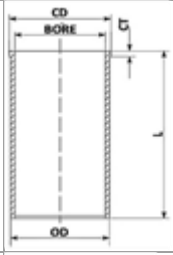
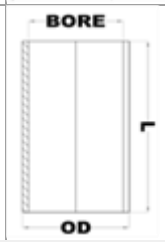
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MITSUBISHI	6D20	FF	3097522100	BORE:85 OD: (BLOCK) CD: CT: FL: L:	
MITSUBISHI	8DC90	FF		BORE:80 OD: (BLOCK) CD: CT: FL: L:	
MITSUBISHI	6D16	FF		BORE:85 OD: (BLOCK) CD: CT: FL: L:	
MITSUBISHI	4D65 T / FUSO	SF		BORE:80.6 OD: 84.6 CD: 90.5 CT:4 FL: L:150	
MITSUBISHI	4D68	SF		BORE:82.7 OD: 86.7 CD: 90.7 CT:5 FL: L:170	
MITSUBISHI	M 95	FF		BORE:85 OD: 97 CD: 104.75 CT:8 FL: L:172.5	

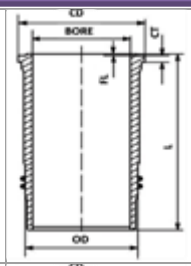
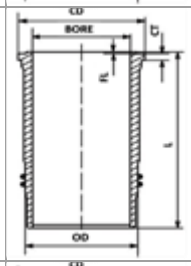
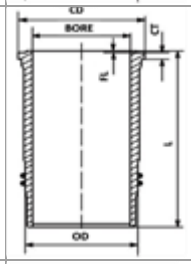
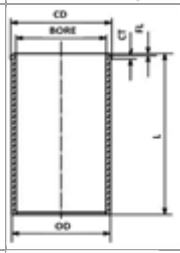
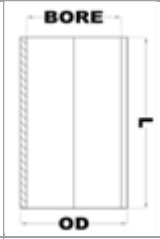
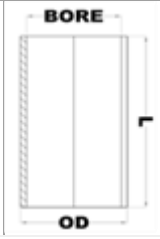
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MITSUBISHI	4DR-10	SF		BORE:88 OD: 92 CD: CT: FL: L:170	
MITSUBISHI	LANCER	SF		BORE:71 OD: 74.3 CD: 77.34 CT:4.76 FL: L:128	
	MORGAN				
MORGAN	105E,107E,307E ,116E,120E,122 E	SF	SU3821	BORE:80.950 OD: 84.214 CD: 85.649 CT:3.302 FL: L:123.825	
MORGAN	105E,107E,307E ,116E,120E,122 E	SF	SU3822	BORE:80.950 OD: 84.214 CD: 85.649 CT:3.302 FL: L:140.335	
MORGAN	2737E	SF	SU4017	BORE:80.985 OD: 84.214 CD: CT: FL: L:150.368	
MORGAN	2737E	SF	SU4026	BORE:80.985 OD: 84.214 CD: 87.236 CT:4.890 FL: L:150.368	

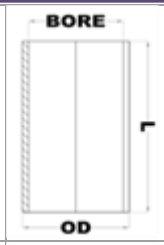
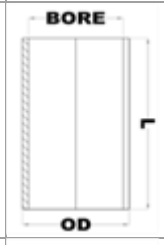
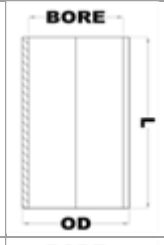
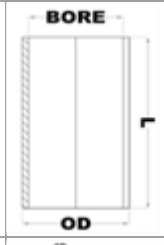
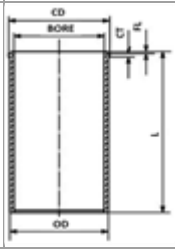
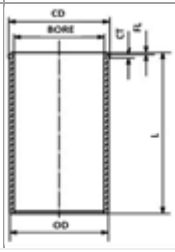
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MORGAN	3528 CC	SF	SU4244	BORE:88.862 OD: 93.713 CD: CT: FL: L:141.732	
	MORRIS				
MORRIS	A SERIES	SF	SU 2893	BORE:62.916 OD: 66.192 CD: CT: FL: L:130.962	
MORRIS	A SERIES	SF	SU3367	BORE:64.567 OD: 67.132 CD: CT: FL: L:134.137	
MORRIS	A SERIES, A+SERIES	SF	SU3598	BORE:70.612 OD: 73.089 CD: CT: FL: L:141.275	
MORRIS	B SERIES	SF	SU2447	BORE:73.025 OD: 76.670 CD: CT: FL: L:153.988	
MORRIS	1.5 LITRE	SF	SU498901	BORE:73.012 OD: 76.708 CD: CT: FL: L:163.512	

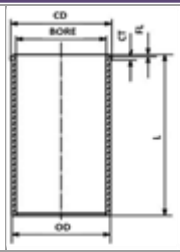
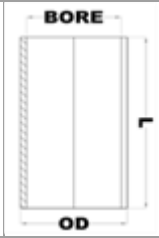
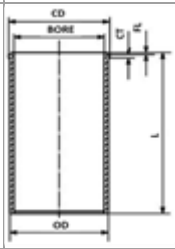
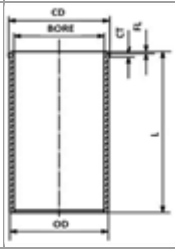
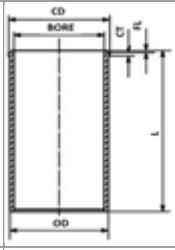
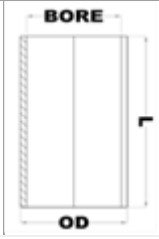
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MORRIS	B SERIES	SF	SU3270	BORE:76.187 OD: 79.845 CD: CT: FL: L:154.000	
MORRIS	E SERIES	SF	SU4245	BORE:76.200 OD: 78.773 CD: CT: FL: L:146.431	
MORRIS	B SERIES	SF	SU351084	BORE:80.251 OD: 82.918 CD: CT: FL: L:153.924	
MORRIS	22UA	SF	SU221801	BORE:82.550 OD: 86.589 CD: 89.611 CT:4.699 FL: L:193.675	
MORRIS	O SERIES	SF	SU4279	BORE:84.442 OD: 87.325 CD: CT: FL: L:152.273	
MORRIS	EA SERIES 25U	SF	SU3969	BORE:84.938 OD: 88.976 CD: CT: FL: L:192.100	

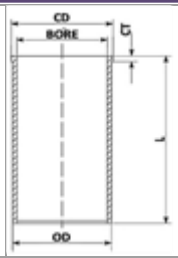
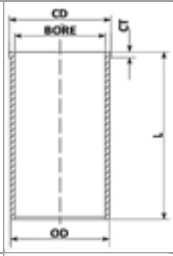
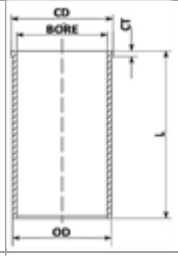
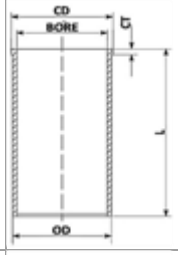
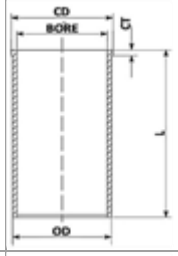
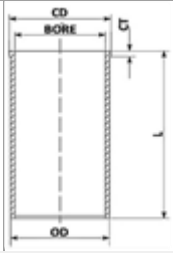
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
MORRIS	EA SERIES	SF	SU548001	BORE:88.900 OD: 92.558 CD: CT: FL: L:193.675	
	MWM				
MWM	229	FF	COFOP # SL11291.Y	BORE:102 OD: 112.89 CD: 119.05 CT:8 FL: 1 L:212.5	
MWM	D226	SF		BORE:105 OD: 108.5 CD: 112.3 CT:6.02 FL: L:214	
	NAVISTAR				
NAVISTAR	DT 360	FF	1809935-C3 WS 577H	BORE:101.6 OD: 113.03 CD: 120.142 CT:8.915 FL: 1.27 L:214.376	
NAVISTAR	DT 466	FF	1810504-C2 WS 556H	BORE:109.22 OD: 122.301 CD: 133.223 CT:8.94 FL: 1.02 L:238.252	
	NEW HOLLAND				

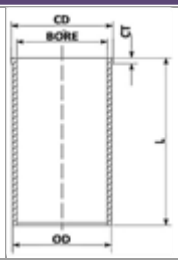
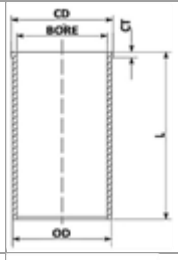
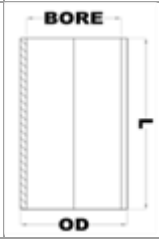
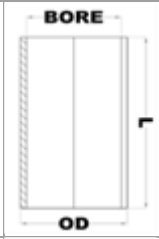
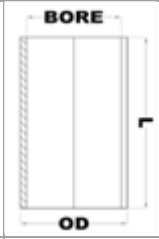
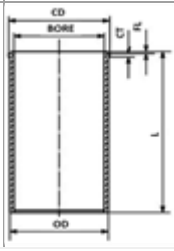
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NEW HOLLAND	COLHEITADEIRA	SF	366 011 0610 SU 351281/352	BORE:97 OD: 100.495 CD: 103.428 CT:5 FL: L:222.5	
	NISSAN				
NISSAN	A10/A12/A13	SF	11012-H1025	BORE:73.025 OD: 77.864 CD: CT: FL: L:174.62	
NISSAN	CA18	SF		BORE:82.55 OD: 87.389 CD: CT: FL: L:206.38	
NISSAN	CA20	SF		BORE:85 OD: 88.5 CD: CT: FL: L:150	
NISSAN	CD17	SF	11012-16A01	BORE:80 OD: 83.33 CD: 84 CT:4.8 FL: L:146	
NISSAN	E15	SF	11012-17M12	BORE:76 OD: 80 CD: CT: FL: L:123	

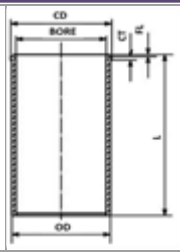
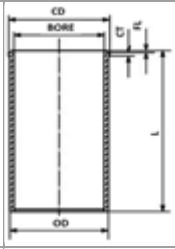
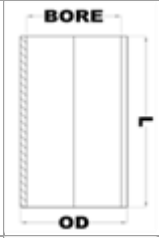
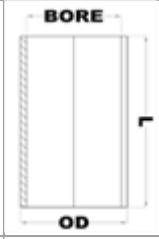
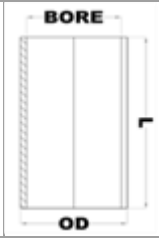
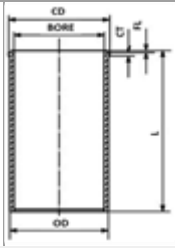
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	ED33	FF	11012-T9001 SJ 351357	BORE:100 OD: 112 CD: 118 CT:8 FL: 1 L:191	
NISSAN	FD6	FF	11012-Z5512-T SJ 351355	BORE:100 OD: 112 CD: 118 CT:8.06 FL: 1 L:212	
NISSAN	FD6	FF	11012-Z5020-T SJ 351356	BORE:100 OD: 112 CD: 118 CT:8 FL: 1 L:212.5	
NISSAN	FE6	FF	11012-Z5518-T SJ 351358	BORE:108 OD: 110.998 CD: 115.89 CT:8 FL: 0.9 L:220	
NISSAN	H20	SF	11012-74001	BORE:87.3 OD: 92.151 CD: CT: FL: L:206.38	
NISSAN	J13	SF		BORE:73.025 OD: 77.864 CD: CT: FL: L:174.62	

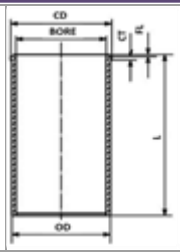
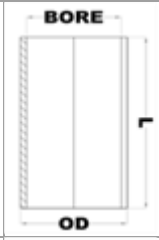
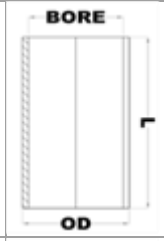
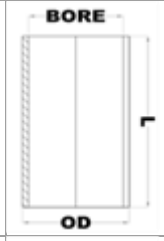
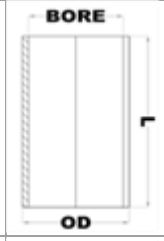
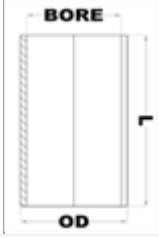
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	L18	SF		BORE:85 OD: 89 CD: CT: FL: L:150	
NISSAN	L23	SF		BORE:82.55 OD: 87.389 CD: CT: FL: L:206.38	
NISSAN	LD 20	SF	11012-A8701	BORE:85 OD: 89 CD: CT: FL: L:150	
NISSAN	LD 20	FF	11012-W1702	BORE:85 OD: 89 CD: CT: FL: L:150	
NISSAN	ND6	SF	11012-95001	BORE:110.04 OD: 115.02 CD: 118.95 CT:3 FL: 1 L:229.25	
NISSAN	ND6	FF	SJ 351143	BORE:110.04 OD: 115.02 CD: 118.95 CT:3 FL: 1 L:229.25	

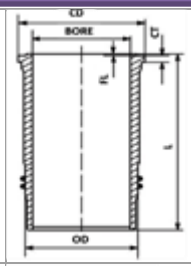
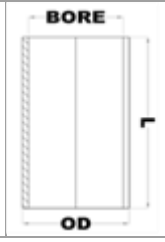
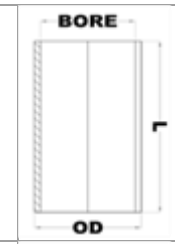
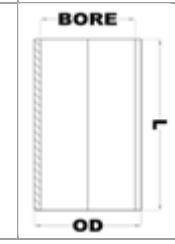
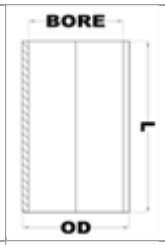
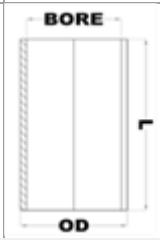
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	ND6	FF	RSL 60701A-00	BORE:110.04 OD: 115.02 CD: 118.95 CT:3 FL: 1 L:227	
NISSAN	P	SF		BORE:85.725 OD: 90.564 CD: CT: FL: L:206.38	
NISSAN	PD6 / PD6 TURBO	FF	11012-90006 SJ 351149	BORE:125 OD: 129.95 CD: 134 CT:3 FL: 1.3 L:259.156	
NISSAN	PE6	FF	11012-96518 SJ 351237	BORE:133 OD: 138 CD: 142 CT:3 FL: 1.24 L:259	
NISSAN	RD8	FF	SJ 351308	BORE:135 OD: 144 CD: 161 CT:8.1 FL: 1 L:243	
NISSAN	RD28	SF	11012-22J64-T	BORE:85 OD: 89 CD: CT: FL: L:150	

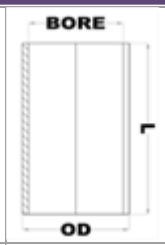
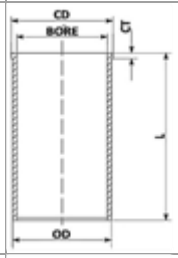
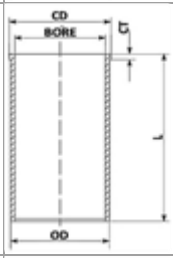
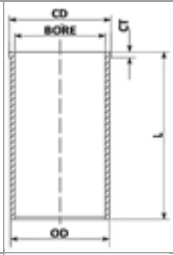
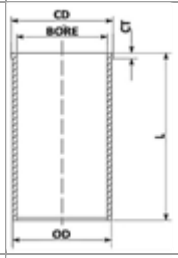
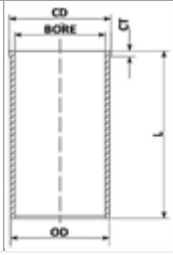
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	SD 22 / SD20 / SD33	SF	11012-76200-SM SU 351277	BORE:83 OD: 87.005 CD: 93 CT:5.105 FL: L:175	
NISSAN	SD 22	FF	11012-76201 SJ 351117	BORE:83 OD: 87.005 CD: 93 CT:5.105 FL: L:175	
NISSAN	SD 23/SD 25	SF	11012-L2003	BORE:89 OD: 92.005 CD: 97.985 CT:5.115 FL: L:172	
NISSAN	SD 23/SD 25	FF	11012-09W25 SJ 351289	BORE:89 OD: 92.005 CD: 97.985 CT:5.115 FL: L:172	
NISSAN	TD23	SF	11012-02N10 SJ351330	BORE:89 OD: 92 CD: 98 CT:5 FL: L:160	
NISSAN	TD25	FF	11012-44G10 SJ 351282	BORE:92.9 OD: 95.87 CD: 101.85 CT:5.08 FL: L:159.64	

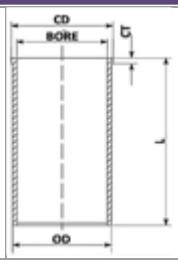
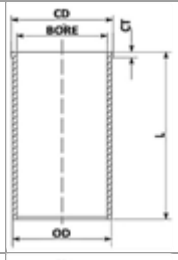
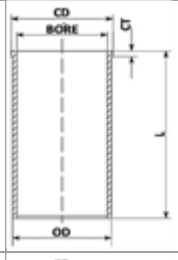
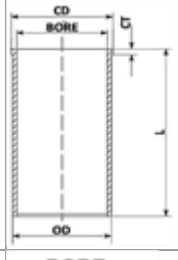
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	TD27 / TD42	SF	11012-43G10	BORE:96 OD: 98.984 CD: 104.953 CT:5.08 FL: L:158.893	
NISSAN	TD27 / TD42	FF	11012-43G11 SJ 351307	BORE:96 OD: 98.984 CD: 104.953 CT:5.08 FL: L:158.893	
NISSAN	Z20	SF		BORE:85 OD: 89 CD: CT: FL: L:150	
NISSAN	Z24	SF	11012-30W00	BORE:88.9 OD: 93.739 CD: CT: FL: L:212.72	
NISSAN	Z24	FF	11012-30W01	BORE:88.9 OD: 93.739 CD: CT: FL: L:212.72	
NISSAN	E6	FF	SJ 351359	BORE:110 OD: 115.011 CD: 118.92 CT:3.02 FL: 1.21 L:229.11	

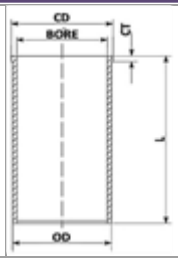
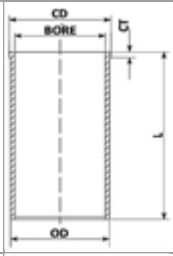
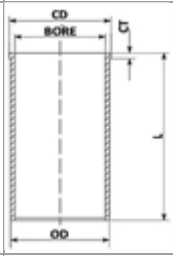
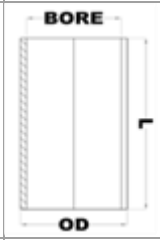
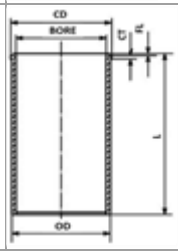
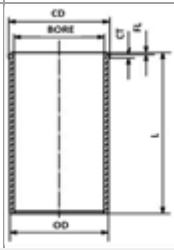
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	FD6T	FF	SJ 351356	BORE:100 OD: 112.015 CD: 117.985 CT:8.075 FL: 1.1 L:212.1	
NISSAN	FE6T	FF	11012-Z5518	BORE:108 OD: 110.998 CD: 115.89 CT:8 FL: 0.9 L:220	
NISSAN	A12S	SF	11012-H3927	BORE:71.9 OD: 77 CD: CT: FL: L:121.86	
NISSAN	A14/5/E13-S	SF	11012-H7225	BORE:75.22 OD: 80.05 CD: CT: FL: L:137.994	
NISSAN	J15	SF	11012-13201	BORE:76.87 OD: 82 CD: CT: FL: L:140.41	
NISSAN	FD35	SF	1-11012-01T25	BORE:102.5 OD: 113.17 CD: 119 CT:7.98 FL: 0.9 L:190.85	

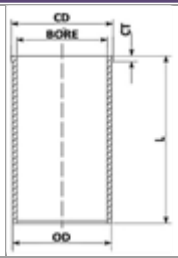
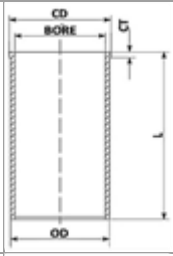
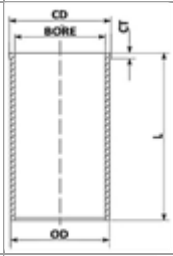
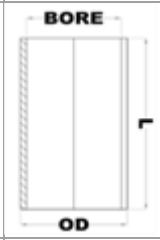
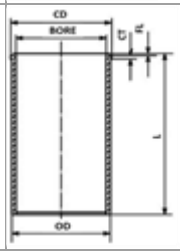
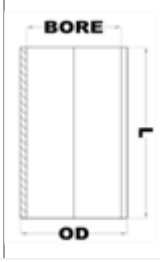
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	FD35	FF	11012-01T26	BORE:102.5 OD: 113.17 CD: 119 CT:7.98 FL: 0.9 L:190.85	
NISSAN	L20B / Z20	SF	11012-U6001	BORE:84.25 OD: 89.02 CD: CT: FL: L:150	
NISSAN	L16	SF	1-11012-21010	BORE:83 OD: 87 CD: CT: FL: L:140.8	
NISSAN	CD-20	SF		BORE:84.5 OD: 88.5 CD: CT: FL: L:150	
NISSAN	LD-28	SF	11012-V0700	BORE:84.5 OD: 88.5 CD: CT: FL: L:150	
NISSAN	L20 B	SF	1-11012-v6001	BORE:86 OD: 89.02 CD: CT: FL: L:150	

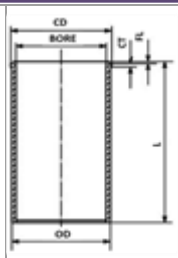
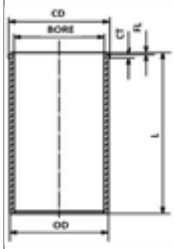
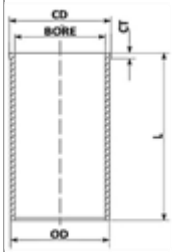
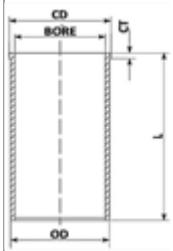
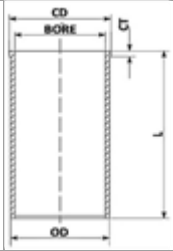
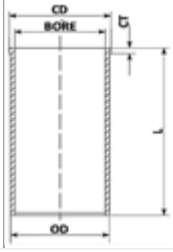
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
NISSAN	FD-35 T	FF	11012-01T01	BORE:102.5 OD: 113 CD: 119 CT:8 FL: 1 L:191	
NISSAN	L24/L26	SF		BORE:83 OD: 87.312 CD: CT: FL: L:215.9	
	NUFFIELD TRACTOR				
NUFFIELD TRACTOR	15T	SF	SU498901	BORE:73.012 OD: 76.708 CD: CT: FL: L:163.512	
NUFFIELD TRACTOR	16T	SF	SU3270	BORE:76.187 OD: 79.845 CD: CT: FL: L:154.000	
	OPEL				
OPEL	4EC1-T , 4ECI	SF	SU351313	BORE:76.000 OD: 80.000 CD: CT: FL: L:138.000	
OPEL	1600S	SF		BORE:79 OD: 84.25 CD: CT: FL: L:150	

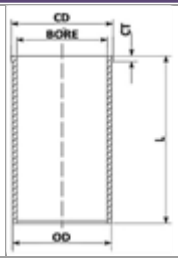
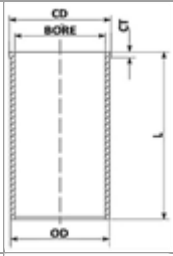
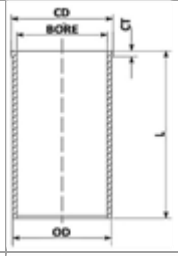
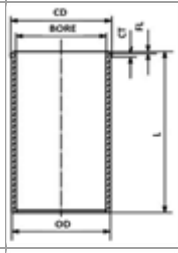
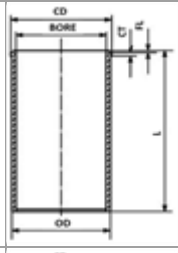
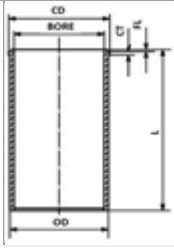
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
OPEL	1500.000	SF	SU2555	BORE:80.000 OD: 83.421 CD: CT: FL: L:158.000	
OPEL	1.6D	SF	SU351283	BORE:80.000 OD: 83.103 CD: 84.920 CT:4.600 FL: L:143.500	
OPEL	OPEL	SF		BORE:82.5 OD: 85.5 CD: 87.5 CT:4.5 FL: L:142	
OPEL		SF		BORE:85.000 OD: 89 CD: 92 CT:5 FL: L:158	
OPEL	1.700	SF	SU3693	BORE:85.000 OD: 88.976 CD: 91.999 CT:5.127 FL: L:156.500	
OPEL	OPEL	SF		BORE:86.5 OD: 92 CD: 93.9 CT:4.5 FL: L:172	

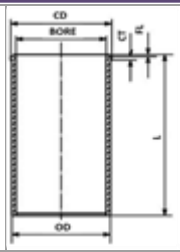
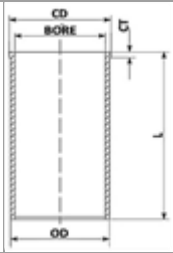
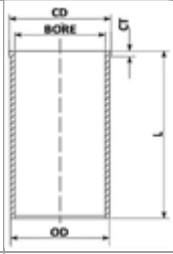
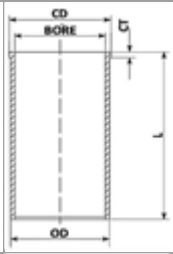
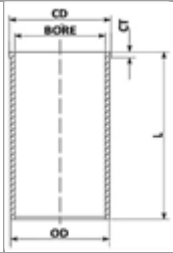
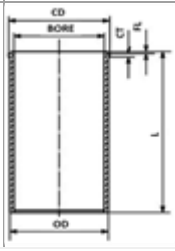
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
OPEL	OPEL	SF		BORE:88 OD: 92 CD: 93.9 CT:4.5 FL: L:172	
OPEL	OPEL	SF		BORE:90 OD: 96 CD: 106.3 CT:7.01 FL: L:173	
OPEL	OPEL	SF		BORE:92 OD: 95 CD: 96.9 CT:4.55 FL: L:172	
OPEL	OPEL	SF		BORE:103.18 OD: 107.95 CD: 111.125 CT:4.76 FL: L:216.3	
OPEL	OPEL	SF		BORE:115.89 OD: 119.61 CD: CT: FL: L:235.5	
	PERKINS				
PERKINS	3.152	SF	31358314 SU 628201	BORE:91.491 OD: 93.764 CD: CT: FL: L:215.9	

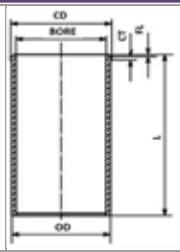
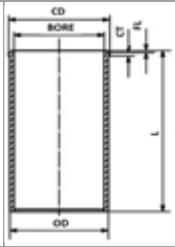
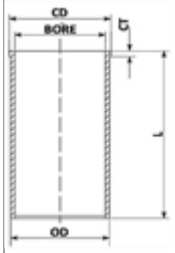
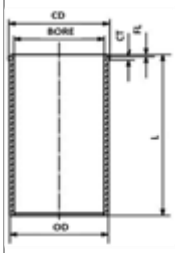
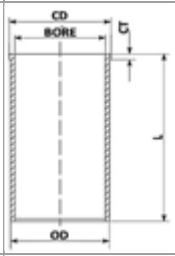
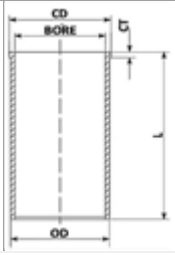
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	3.152	SF	31358323 / 31358381 / 31358117 SU 530201	BORE:91.491 OD: 93.713 CD: 96.723 CT:3.81 FL: L:216.027	
PERKINS	3.152/4.203.2	FF	31358322 / 31358345 SJ 546900	BORE:91.491 OD: 93.663 CD: 96.723 CT:3.81 FL: L:216.027	
PERKINS	3.152/D4.203	FF	31358308 KT 3600FP	BORE:91.491 OD: 93.675 CD: 96.774 CT:1.143 FL: L:215.9	
PERKINS	4.108	SF	31358117 SU 553201	BORE:79.37 OD: 82.626 CD: CT: FL: L:165.1	
PERKINS	4.154	SF	31358119 SU 351027	BORE:88.92 OD: 96.888 CD: 101.016 CT:3.81 FL: 0.838 L:191.221	
PERKINS	4.165	SF	31358001 / 31354001 SU 351104	BORE:92 OD: 96.88 CD: 100.99 CT:3.912 FL: 0.737 L:191.186	

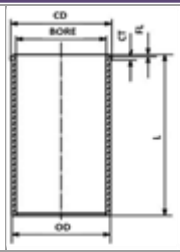
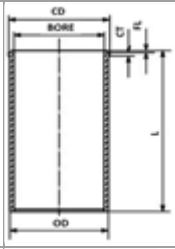
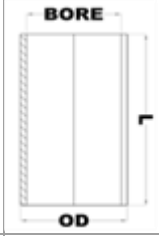
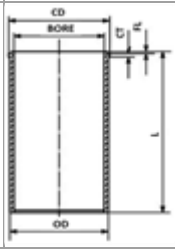
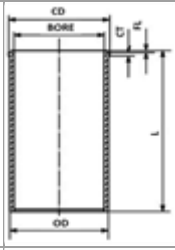
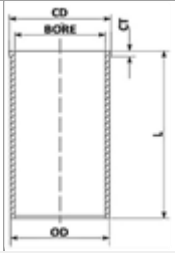
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	4.192/6.288/P4/P6	FF	530002 SJ 8902	BORE:88.92 OD: 93.713 CD: 94.407 CT:4.762 FL: L:216.027	
PERKINS	4.192/6.288/P4/P6	SF	0530002 / 731595M1 SU 8900	BORE:88.92 OD: 93.712 CD: 94.407 CT:4.762 FL: L:216.027	
PERKINS	4.236/4.212	FF	3135X032 SJ 351342	BORE:98.47 OD: 104.204 CD: 107.366 CT:3.81 FL: L:226.44	
PERKINS	4.236/6.354	SF	31358324 SU 538101	BORE:98.476 OD: 103.26 CD: CT: FL: L:228.98	
PERKINS	4.236/6.354/4.212	FF	31358341 SJ 584201	BORE:98.476 OD: 103.188 CD: 106.45 CT:3.708 FL: 1.04 L:227.279	
PERKINS	4.248	SF	31358343 / 31358344 / 737214M1 SU 351026	BORE:101.054 OD: 103.264 CD: CT: FL: L:223.901	

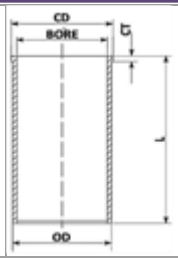
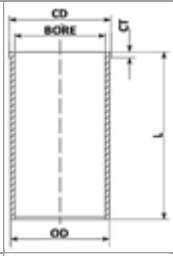
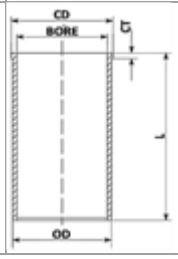
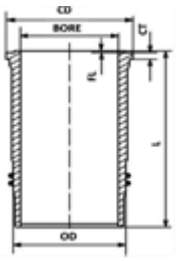
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	4.248	SF	31358346 / 31358391 SU 351078	BORE:101.054 OD: 104.254 CD: 107.44 CT:3.861 FL: 0.762 L:227.279	
PERKINS	4.248	FF	31358352 SJ 351166	BORE:101.054 OD: 104.203 CD: 107.442 CT:3.861 FL: 0.838 L:227.279	
PERKINS	4.248	FF	3135X034 SJ 351347	BORE:101.054 OD: 104.204 CD: 107.366 CT:3.81 FL: L:226.44	
PERKINS	4.248	SF	3135X033	BORE:101.054 OD: 104.204 CD: 107.366 CT:3.81 FL: L:226.44	
PERKINS	4.318	SF	31358533 SU 351193	BORE:114.31 OD: 117.932 CD: 121.133 CT:2.718 FL: L:230.784	
PERKINS	4.318	SF	31358534 SU 351192	BORE:114.31 OD: 117.881 CD: 121.133 CT:2.718 FL: L:230.784	

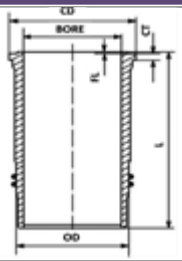
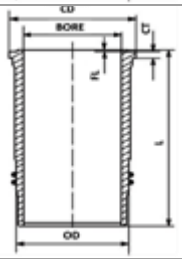
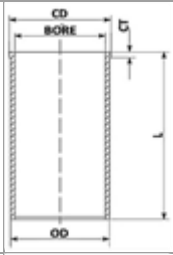
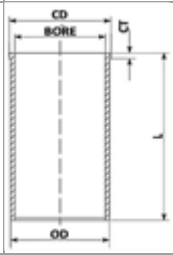
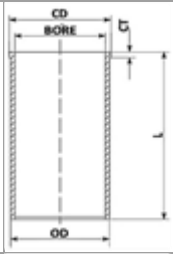
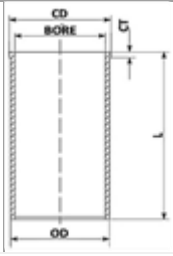
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	4.318	FF	31358522	BORE:114.31 OD: 117.881 CD: 121.133 CT:2.718 FL: L:230.784	
PERKINS	4.40/1004/1006	FF	3135X042 SJ 351306	BORE:100 OD: 104.229 CD: 107.442 CT:3.861 FL: L:226.44	
PERKINS	4.40/1004/1007	SF	3135X041 SJ 351307	BORE:100 OD: 104.23 CD: 107.442 CT:3.861 FL: L:226.44	
PERKINS	6.354/4.212	SF	31358393 SU 351178	BORE:98.476 OD: 103.238 CD: 106.229 CT:3.861 FL: 0.889 L:227.279	
PERKINS	6.354/4.212/4.236	SF	31358327 / 31358339 / 31358349 SU 569200	BORE:98.476 OD: 103.238 CD: 106.426 CT:3.708 FL: 1.04 L:227.279	
PERKINS	6.354/4.212/4.236	FF	31358394 / 31358441 SJ 351150	BORE:98.476 OD: 103.188 CD: 106.45 CT:3.861 FL: 0.889 L:227.279	

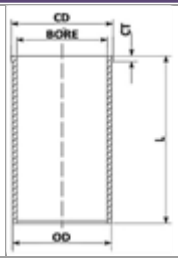
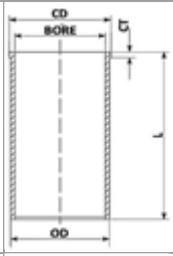
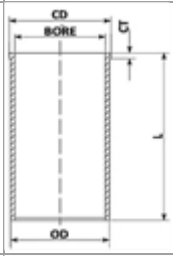
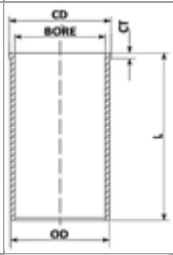
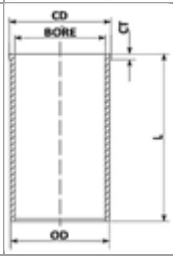
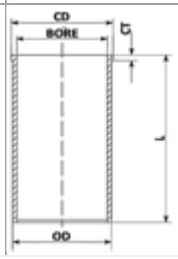
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	V8.510	FF	31358905 SJ 351207	BORE:107.95 OD: 113.221 CD: 116.662 CT:2.591 FL: 0.66 L:226.06	
PERKINS	4.107	FF	SJ495000	BORE:79.37 OD: 85.67 CD: 93.7 CT:6.4 FL: L:163.53	
PERKINS	D3.152/AD3.152 , D4.203/AD4.203	FF	31358345 SJ546900N	BORE:91.491 OD: 93.663 CD: 96.723 CT:3.810 FL: L:216.027	
PERKINS	D3.152/AD3.152 , D4.203/AD4.203	SF	31358322 SU530201F	BORE:91.491 OD: 93.713 CD: 96.723 CT:3.810 FL: L:216.027	
PERKINS	D3.152/AD3.152 , D4.203/AD4.203	FF	SJ546900	BORE:91.491 OD: 93.663 CD: 96.723 CT:3.810 FL: L:216.027	
PERKINS	A4.212 / AD4.236	FF	31358341 SJ584201NS	BORE:98.476 OD: 103.188 CD: 106.451 CT:3.708 FL: 1.041 L:227.279	

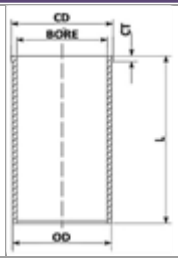
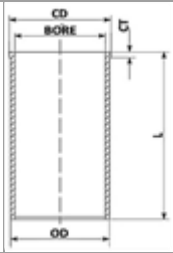
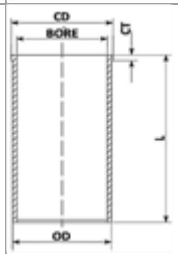
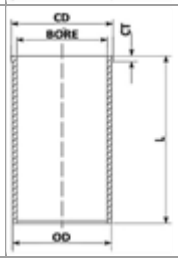
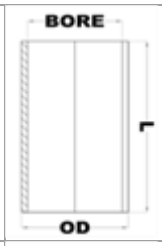
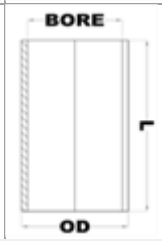
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	A4.212	SF	SU351150	BORE:98.476 OD: 103.188 CD: 106.451 CT:3.861 FL: 0.889 L:227.279	
PERKINS	A4.212	SF	31358327 SU569200S	BORE:98.476 OD: 103.238 CD: 106.426 CT:3.708 FL: 1.041 L:227.279	
PERKINS	T4.40,C4.40,T6.60,CC6.60	FF	3135X063 SJ351306	BORE:100.000 OD: 104.229 CD: 107.442 CT:3.861 FL: L:226.440	
PERKINS	V8.510/AV8.510	FF	SJ351207	BORE:107.950 OD: 113.221 CD: 116.662 CT:2.591 FL: 0.660 L:226.060	
PERKINS	CRD 93	SF	CH 2403 100	BORE:93.000 OD: 97.500 CD: 99.000 CT:5.000 FL: L:163.000	
PERKINS	4.270	FF		BORE:107.95 OD: 121.5 CD: 128.43 CT:9.55 FL: L:229	

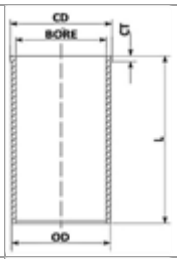
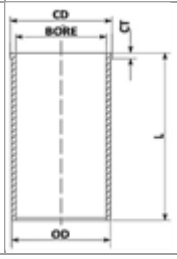
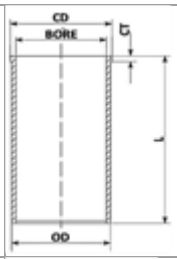
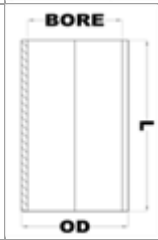
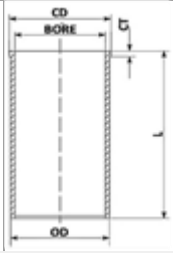
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS	PT	FF	31358394	BORE:98.55 OD: 103.23 CD: 106.4 CT:3.88 FL: 1.1 L:227	
PERKINS	PT	SF	31358346	BORE:100.2 OD: 104.27 CD: 107.4 CT:3.9 FL: 1.1 L:227.44	
PERKINS		FF		BORE:116 OD: Liner CD: CT: FL: L:	
PERKINS	PT	SF	31358393	BORE:97.3 OD: 103.34 CD: 106.46 CT:3.85 FL: 1.2 L:227.1	
PERKINS	Perkins 160	FF		BORE:160 OD: 180.5 CD: 195 CT:13 FL: 1.5 L:340.5	
PERKINS CHROMARD	D3.152/AD3.152, D4.203/AD4.203	FF	31358308 KT3600FP	BORE:91.491 OD: 93.675 CD: 96.774 CT:1.430 FL: L:215.900	

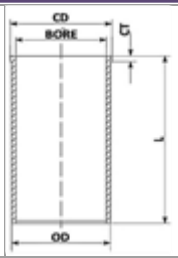
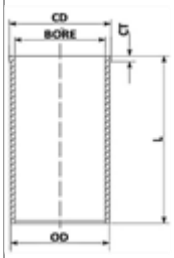
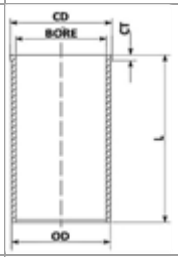
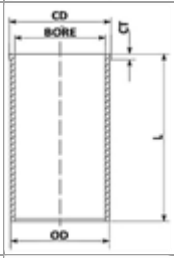
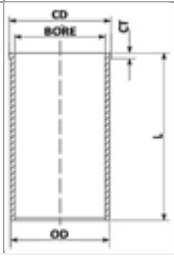
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PERKINS CHROMARD	D3.152/AD3.152, D4.203/AD4.203	FF	KT3600FPX1	BORE:91.491 OD: 93.802 CD: 96.774 CT:1.143 FL: L:215.900	
PERKINS CHROMARD	D3.152/AD3.152, D4.203/AD4.203	FF	KT3600FPX2	BORE:91.491 OD: 93.929 CD: 96.774 CT:1.143 FL: L:215.900	
PERKINS CHROMARD	D3.152/AD3.152, D4.203/AD4.203	FF	KT3601FP	BORE:91.491 OD: 93.675 CD: 96.723 CT:3.810 FL: L:215.900	
	PETTER				
PETTER	PJ	FF	OLD	BORE:96.96 OD: CD: AIR COOLED BLOCK CT: FL: L:BLOCK	
PETTER	PJ	FF	NEW	BORE:96.96 OD: CD: CT: FL: L:	
	PEUGEOT				

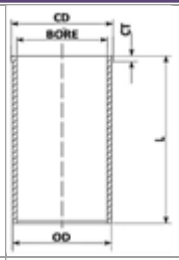
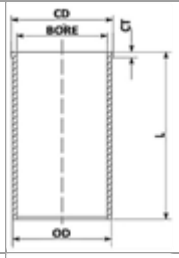
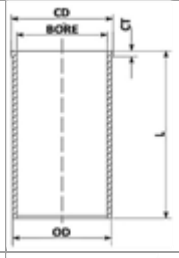
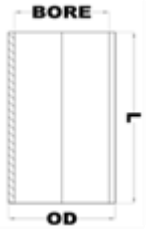
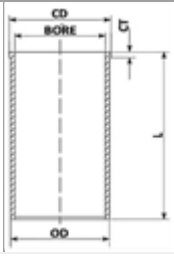
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PEUGEOT	XC7/XC7P / 404/504/404L	FF	CH5137200	BORE:84 OD: 93 CD: 99.2 CT:90.005 FL: L:136.2	
PEUGEOT	XD88/XN1/2	FF	404/504D	BORE:88 OD: 95.98 CD: 106.2 CT:7.05 FL: L:173	
PEUGEOT	XD90	FF	039WV15 504/504GL	BORE:90 OD: 96 CD: 106.2 CT:129 FL: L:173.3	
PEUGEOT	XID/XIDL	FF	304D/305D	BORE:80 OD: 84.5 CD: 100 CT:97.5 FL: L:133.2	
PEUGEOT	XM7/P/T	FF	504L/505GL	BORE:84 OD: 93 CD: 99.2 CT:90.005 FL: L:136.2	
PEUGEOT	XUD7	FF	205D/309	BORE:80 OD: 82.6 CD: 85.5 CT:3.9 FL: L:153	

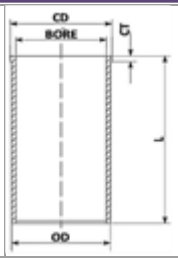
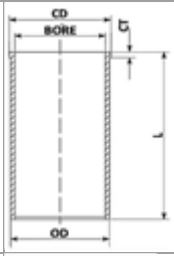
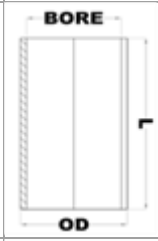
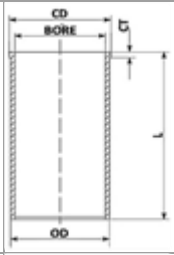
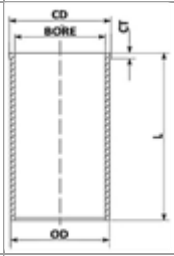
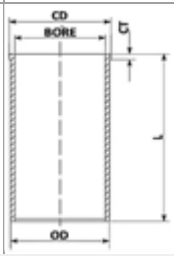
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PEUGEOT		FF	205 D D80	BORE:80 OD: 83 CD: 86 CT:4.5 FL: L:154	
PEUGEOT	XUD9	FF	305/405/309	BORE:83 OD: 85.6 CD: 88.5 CT:3.9 FL: L:153.5	
PEUGEOT	405 ESS	FF	KS 89301110	BORE:83 OD: 88.6 CD: 97 CT: FL: L:141	
PEUGEOT	205	FF	KS 89194110	BORE:72.02 OD: 79.5 CD: 89.2 CT: FL: L:122.2	
PEUGEOT	205	FF	KS 89322110	BORE:75 OD: 79.5 CD: 89.19 CT: FL: L:135.4	
PEUGEOT	PARTENER	SF	KS 89592190	BORE:82.2 OD: 86 CD: 89 CT: FL: L:154	

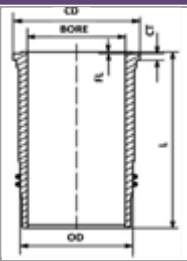
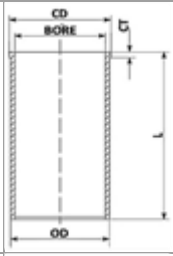
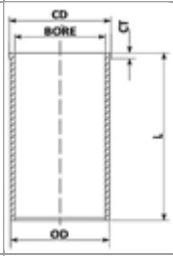
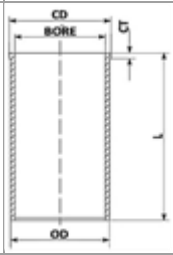
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
PEUGEOT	SYRIA 504	FF	C 45137250	BORE:84 OD: 99.05 CD: 99.2 CT:12 FL: L:136.2	
PEUGEOT	SYRIA	FF		BORE:84 OD: 99.46 CD: 101.825 CT:5.2 FL: L:136	
PEUGEOT	70mm	FF		BORE:70 OD: 75.48 CD: 85.75 CT:7.1 FL: L:135.1	
PEUGEOT	75mm	FF		BORE:75 OD: 79.4 CD: 89.2 CT:6.3 FL: L:135.4	
	POLSKI FIAT				
POLSKI FIAT	127A/127A.000	SF	21205402	BORE:65.000 OD: 68.040 CD: CT: FL: L:115.000	
POLSKI FIAT	132A/B/C1/AB.1A	SF	21206102	BORE:84.000 OD: 88.020 CD: CT: FL: L:145.500	

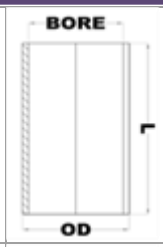
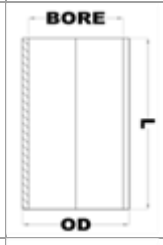
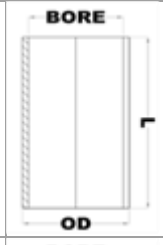
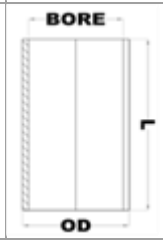
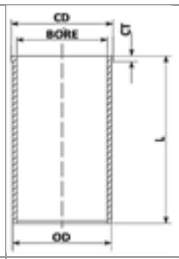
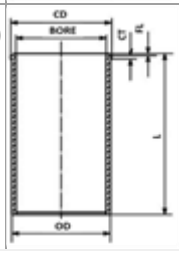
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
	RABA MAN				
RABA MAN	D-2156	SF		BORE:121 OD: 125.99 CD: 132 CT:8 FL: L:287	
RABA MAN	D-2356	SF		BORE:123 OD: 125.99 CD: 132 CT:8.03 FL: L:287	
	RENAULT				
RENAULT	8140.21 ./ 27	SF	4860109 / 4860110 / 7302136 21233502	BORE:93 OD: 96.1 CD: 98.92 CT:5 FL: L:171	
RENAULT	8140.61	SF	7301805 21230502	BORE:93 OD: 96.06 CD: CT: FL: L:167	
RENAULT	8140.67	SF	7301805 21230502	BORE:93 OD: 97.03 CD: 100 CT:5 FL: L:167	

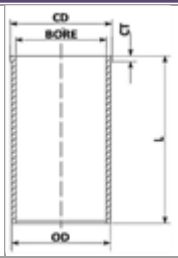
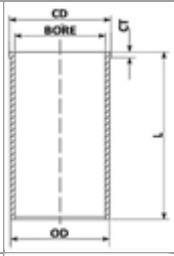
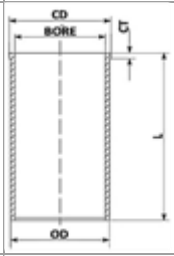
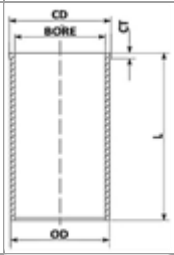
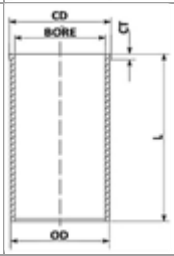
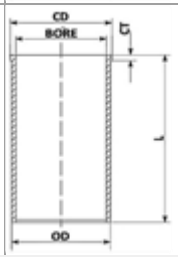
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RENAULT	9D	FF	021WV27	BORE:78 OD: 81 CD: 83.4 CT:4.5 FL: L:149	
RENAULT	J8S-708 / J8S-712 / 852 / 852.02	FF		BORE:86 OD: CD: AIR COOLED BLOCK CT: FL: L:	
RENAULT	R 9	FF		BORE:73 OD: 90.2 CD: 90.2 CT:6.2 FL: L:134	
RENAULT	9 ESS	FF	89060110	BORE:76 OD: 80.55 CD: 90.3 CT: FL: L:134	
RENAULT	R 12	FF	KS 88544110	BORE:73 OD: 78.5 CD: 87.78 CT: FL: L:134	

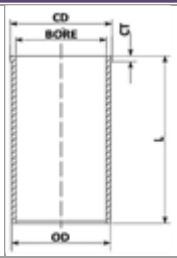
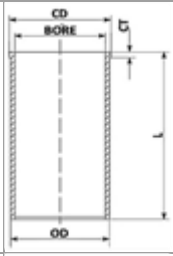
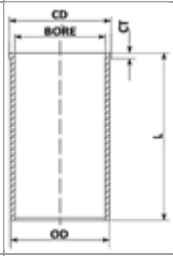
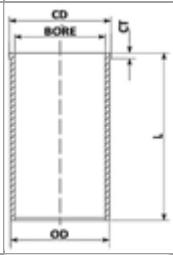
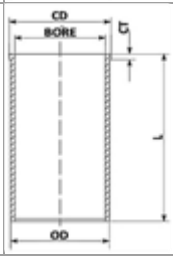
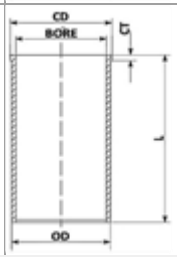
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RENAULT	R 19	FF		BORE:75.8 OD: 90 CD: 90 CT:4.8 FL: L:130	
RENAULT		FF	021WN30	BORE:75.8 OD: 80.6 CD: 90.2 CT: FL: L:130	
RENAULT	25 ESS	FF	KS 89086110	BORE:88 OD: 93.55 CD: 104.2 CT: FL: L:140	
RENAULT	R 18 TURBO	FF		BORE:86 OD: BLOCK CD: CT: FL: L:	
RENAULT	R 18	FF		BORE:86 OD: BLOCK CD: CT: FL: L:	
RENAULT	F 8 M	SF	CH 2317 100	BORE:78.000 OD: 81.000 CD: 83.500 CT:4.600 FL: L:149.000	

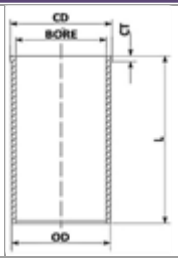
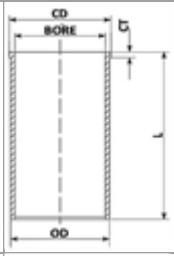
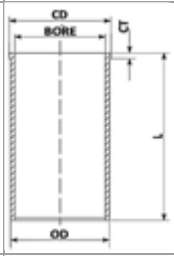
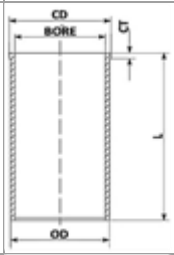
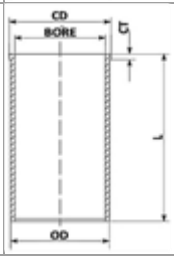
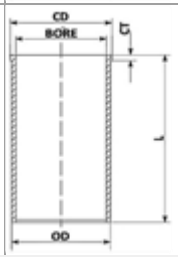
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RENAULT	8140.670	SF	21230702	BORE:90.475 OD: 97.030 CD: 100.000 CT:5.000 FL: L:167.0000	
RENAULT	8140.210	SF	21233502	BORE:93.000 OD: 96.010 CD: 98.920 CT:5.000 FL: L:171.000	
RENAULT	8140.610	SF	21230502	BORE:93.000 OD: 96.060 CD: CT: FL: L:167.000	
RENAULT	8140.610	SF	21230702	BORE:93.000 OD: 97.030 CD: 100.000 CT:5.000 FL: L:167.000	
RENAULT	8140.810	SF	21232802	BORE:93.000 OD: 96.010 CD: 98.920 CT:5.000 FL: L:167.000	
RENAULT	8140.270	SF	21235902	BORE:93.000 OD: 97.030 CD: 100.000 CT:5.000 FL: L:171.000	

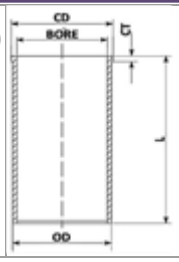
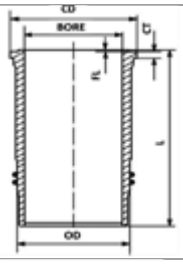
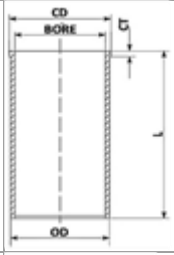
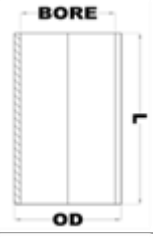
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RENAULT	120 mm	FF		BORE:120 OD: 137 CD: 147.32 CT:9.4 FL: L:261	
RENAULT	135 mm	FF		BORE:135 OD: 143 CD: 149 CT:7.38 FL: L:284.8	
RENAULT	4 GTL	SF	KS 88384110	BORE:70 OD: 75.5 CD: 85.8 CT: FL: L:135	
RENAULT	R19	SF		BORE:80 OD: 83.26 CD: 84.86 CT:4.76 FL: L:156	
RENAULT	MIDR 06.23.56	FF	7421106970/74211 06964/5010359561 MAHLE NO. 209WN21	BORE:123.03 OD: 135 CD: 147.3 CT:9.35 FL: 0.75 L:257	
RENAULT	TRUCK 330/370 DXI11/D11	FF	7420820662 MAHLE NO. 037 LW 00100 001	BORE:123.03 OD: 139 CD: 149 CT:11.2 FL: 0.85 L:250	
	RILEY				

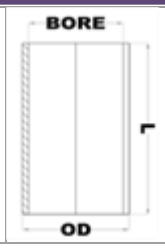
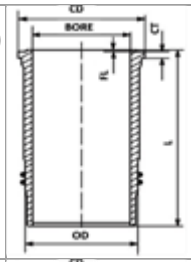
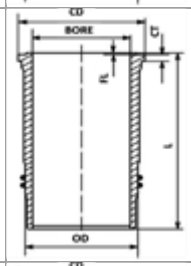
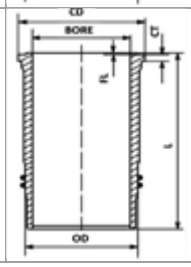
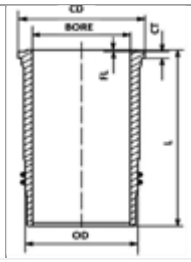
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RILEY	A SERIES	SF	SU2893	BORE:62.916 OD: 66.192 CD: CT: FL: L:130.962	
RILEY	A SERIES	SF	SU3367	BORE:64.567 OD: 67.132 CD: CT: FL: L:134.137	
RILEY	A SERIES	SF	SU3598	BORE:70.612 OD: 73.089 CD: CT: FL: L:141.275	
RILEY	B SERIES	SF	SU2447	BORE:73.025 OD: 76.670 CD: CT: FL: L:153.988	
	RVI				
RVI		FF	KS 89464110 592WN11	BORE:102 OD: 114 CD: 122.5 CT:8 FL: L:218	
RVI	D0846 HM2HMN2	SF	CH 2830 270	BORE:108.000 OD: 113.000 CD: 118.000 CT:5.000 FL: L:254.000	

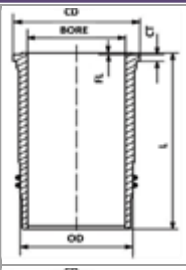
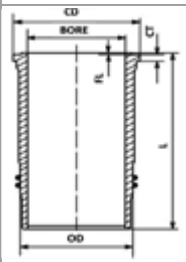
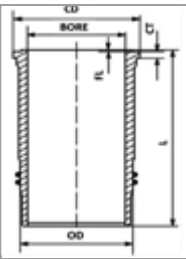
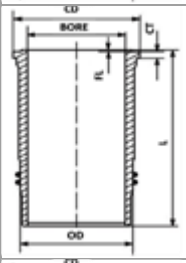
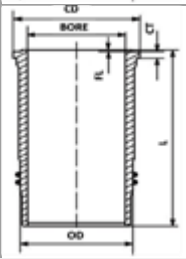
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RVI	D0846 HM2HMN2	SF	CH 2830 210	BORE:108.000 OD: 113.500 CD: 118.000 CT:5.000 FL: L:254.000	
RVI	D0846 HM2HMN2	SF	CH 2830 200	BORE:108.000 OD: 113.000 CD: 118.000 CT:5.000 FL: L:254.000	
RVI	D0846 HM2HMN2	SF	CH 2830 220	BORE:108.000 OD: 114.000 CD: 118.000 CT:5.000 FL: L:254.000	
RVI	D0846 HM2HMN2	SF	SJ351147	BORE:108.000 OD: 113.000 CD: 118.000 CT:5.000 FL: L:254.000	
RVI	M/MD 420 30	SF	CH 2832 200	BORE:120.000 OD: 126.000 CD: 131.000 CT:6.000 FL: L:257.000	
RVI	D2156	SF	CH 2291 200	BORE:121.000 OD: 125.960 CD: 131.000 CT:8.026 FL: L:287.000	

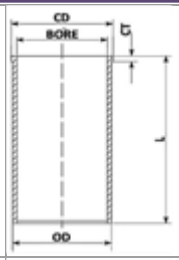
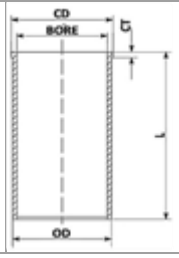
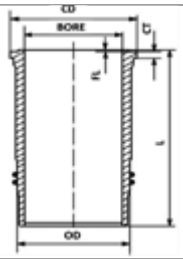
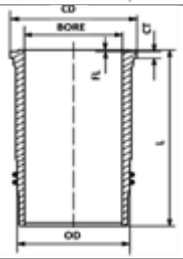
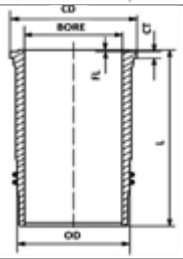
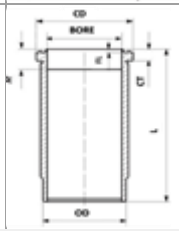
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RVI	D2156	SF	CH 2292 200	BORE:121.000 OD: 126.500 CD: 131.880 CT:8.026 FL: L:287.000	
RVI	D2156	SF	CH2292 210	BORE:121.000 OD: 127.000 CD: 131.880 CT:8.026 FL: L:287.000	
RVI	D2156	SF		BORE:121 OD: 125.99 CD: 132 CT:8 FL: L:287	
RVI	D2356	SF	CH 2439 200	BORE:123.000 OD: 126.000 CD: 132.000 CT:8.026 FL: L:287.000	
RVI	D2356	SF	CH 2439 210	BORE:123.000 OD: 126.500 CD: 132.000 CT:8.026 FL: L:287.000	
RVI	D2356	SF	CH 2439 220	BORE:123.000 OD: 127.000 CD: 132.000 CT:8.026 FL: L:287.000	

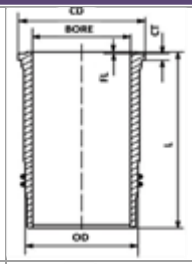
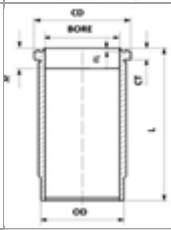
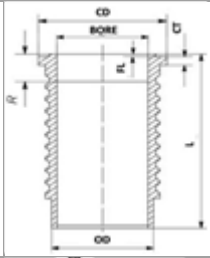
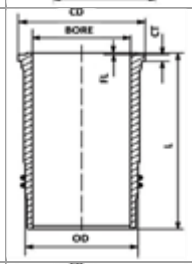
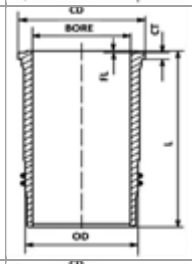
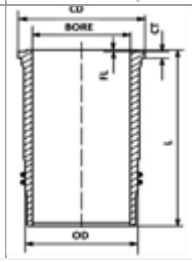
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RVI	D2858M/ 40/ 42	SF	CH 2437 200	BORE:128.000 OD: 133.000 CD: 139.000 CT:8.000 FL: L:287.000	
RVI	D2858M/ 40/ 42	SF	CH 2437 210	BORE:128.000 OD: 133.500 CD: 139.000 CT:8.000 FL: L:290.000	
RVI	D2858M/ 40/ 42	SF	CH 2437 220	BORE:128.000 OD: 134.000 CD: 139.000 CT:8.000 FL: L:290.000	
RVI	M635/40A, MD0635	SF	CH 2641 200	BORE:135.000 OD: 143.000 CD: 149.000 CT:7.400 FL: L:286.000	
RVI	M635/40A, MD0635	SF	CH 2641 210	BORE:135.000 OD: 143.250 CD: 149.000 CT:7.000 FL: L:286.000	
RVI	MS/MDS 635, 40, MIDR 0635 40	SF	CH 2641 200	BORE:135.000 OD: 143.000 CD: 149.000 CT:7.400 FL: L:286.000	

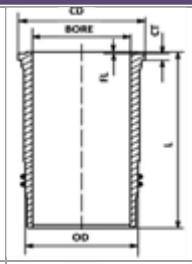
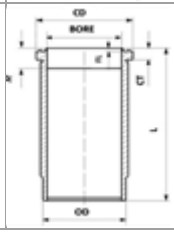
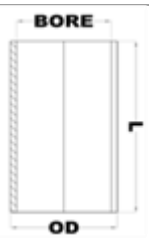
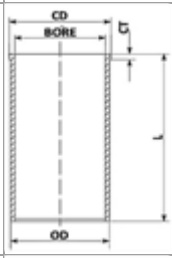
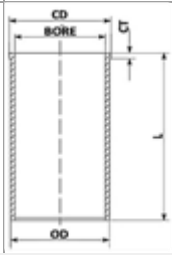
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RVI	MIDS 0635 40	SF	CH 2644 200	BORE:135.000 OD: 143.000 CD: 149.000 CT:7.580 FL: L:287.600	
	ROLLS ROYCE				
ROLLS ROYCE	EAGLE SERIES	FF	CHROMED ON BORE SJ 351327	BORE:130.175 OD: 144.069 CD: 154.838 CT:12.7 FL: 0.61 L:306.959	
ROLLS ROYCE	XUD9/A/B	SF	CH 2334 100	BORE:83.000 OD: 85.600 CD: 88.500 CT:3.900 FL: L:153.500	
ROLLS ROYCE	O SERIES	SF	SU4279	BORE:84.442 OD: 87.325 CD: CT: FL: L:152.273	
ROLLS ROYCE	P6	SF	SU3977	BORE:85.725 OD: 88.976 CD: CT: FL: L:165.100	
ROLLS ROYCE	3528 CC	SF	SU4244	BORE:88.862 OD: 93.713 CD: CT: FL: L:141.732	

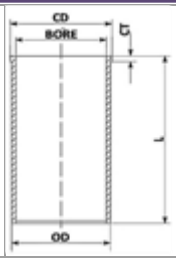
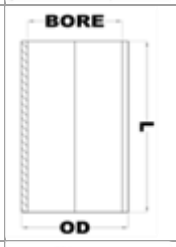
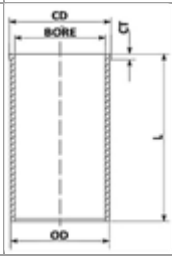
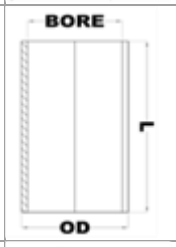
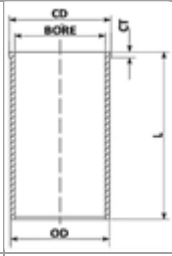
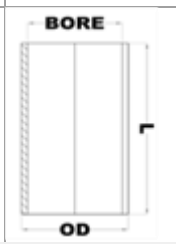
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ROLLS ROYCE	2286.000	SF	SU494402	BORE:90.475 OD: 94.501 CD: CT: FL: L:191.364	
	RUMANIA				
RUMANIA	UTB 650	FF		BORE:108.000 OD: 125.15 CD: 132.15 CT:10 FL: L:260	
RUMANIA	U 500/650 D	FF		BORE:108 OD: 125 CD: 132 CT:10.7 FL: L:259	
RUMANIA	UTB 800	FF		BORE:110 OD: 124.8 CD: 133 CT:10.7 FL: L:251	
	RUSSIAN				
RUSSIAN	BELARUS MTZ 80	FF		BORE:110 OD: 125 CD: 132.7 CT:9.15 FL: 0.8 L:246	

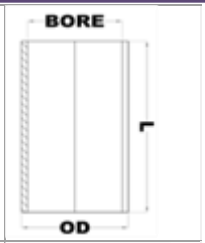
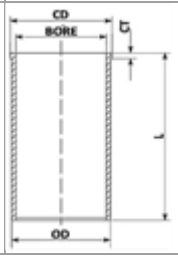
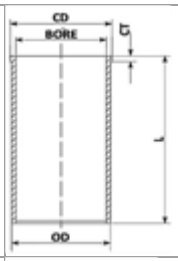
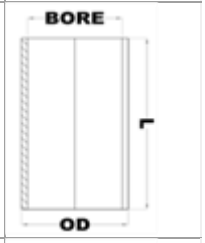
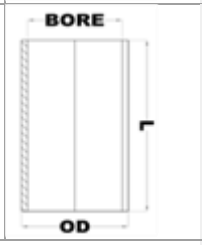
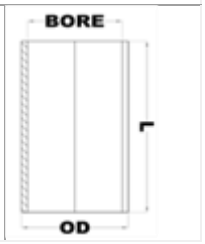
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
RUSSIAN	BELARUS MTZ-45	FF		BORE:105.000 OD: 120.853 CD: 127.559 CT:9.271 FL: 0.762 L:251.925	
RUSSIAN	BELARUS MTZ-50	FF		BORE:110.000 OD: 124.866 CD: 132.639 CT:9.144 FL: 0.889 L:245.288	
	SAVIEM				
SAVIEM	100	FF		BORE:100 OD: 114 CD: 121 CT:8 FL: 0.8 L:235.3	
SAVIEM	SM 7, SM 8, SM 8TM, SC 29, JN 75	FF	Mopisan- 8047 600	BORE:102 OD: 114 CD: 121 CT:8 FL: 0.8 L:235.3	
SAVIEM	712	FF		BORE:98 OD: 111.95 CD: 118.9 CT:8 FL: 0.8 L:220.5	

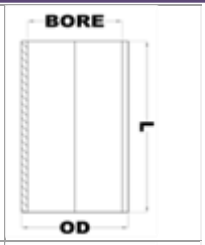
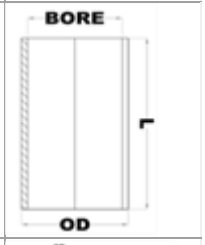
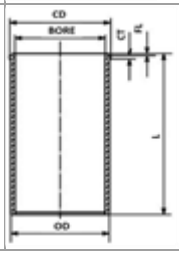
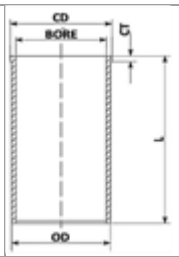
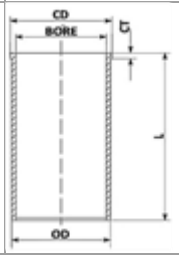
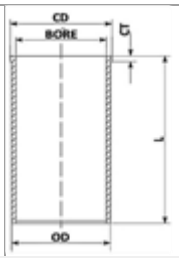
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SAVIEM	D2156	SF		BORE:121 OD: 125.99 CD: 132 CT:8 FL: L:287	
SAVIEM	D2356	SF		BORE:123 OD: 125.99 CD: 132 CT:8.03 FL: L:287	
	SCANIA				
SCANIA	D 8 / DS 8	FF	243817 / 228110 061 WN 01	BORE:115 OD: 129.921 CD: 137.373 CT:8.075 FL: 0.78 L:270.84	
SCANIA	D111	FF		BORE:127 OD: 140 CD: 153.75 CT:7.9 FL: 0.8 L:291	
SCANIA	124	FF		BORE:127 OD: 143.25 CD: CT: FL: L:271.15	
SCANIA	DS 8	FF	061 WN 08	BORE:115 OD: 129.921 CD: 137.373 CT:8.2 FL: 0.78 L:270.84	

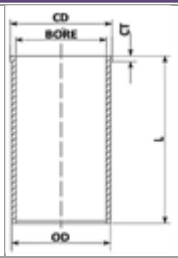
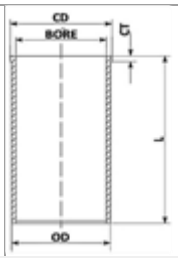
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SCANIA	D 11 / DS 11	FF	363305 / 230150 SJ 351072	BORE:127 OD: 139.916 CD: 153.873 CT:8.05 FL: 0.75 L:290.703	
SCANIA	D 11 / DS 11	FF	235828 061 WN 07	BORE:127 OD: 140 CD: 153.8 CT:8.2 FL: 0.8 L:291	
SCANIA	DS 14	FF	230151 / 170690 SJ 351137 / 061 WN 13	BORE:127 OD: 139.964 CD: 155.905 CT:10.1 FL: 0.55 L:275.488	
SCANIA	D111	FF		BORE:127 OD: 143.25 CD: CT: FL: L:291	
SCANIA	113	FF		BORE:126.8 OD: 144 CD: CT: FL: L:293.7	
SCANIA	124	FF		BORE:127 OD: 148.53 CD: CT: FL: L:271.15	

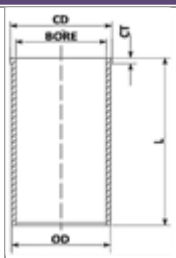
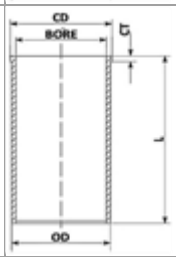
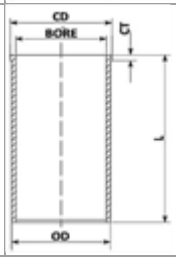
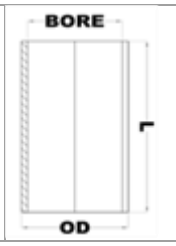
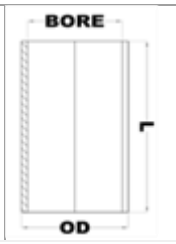
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SCANIA	DS-9	FF		BORE:115 OD: 135.95 CD: 140.7 CT:10.25 FL: 0.8 L:265.5	
SCANIA	DS - 110	FF	061WN09	BORE:127 OD: 144.57 CD: 153.873 CT:8.799 FL: L:290.793	
	SEAT				
SEAT	100GBC/GL-146A	SF	21205402	BORE:65.000 OD: 68.040 CD: CT: FL: L:115.000	
SEAT	4.108	SF		BORE:79.375 OD: 82.55 CD: CT: FL: L:165.1	
SEAT	1.9	SF		BORE:79.5 OD: 82.5 CD: 85.5 CT:4.7 FL: L:152	
SEAT	138B6.000	SF	21230602	BORE:83.000 OD: 86.060 CD: 89.000 CT:4.500 FL: L:114.000	

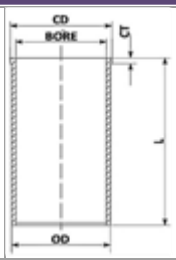
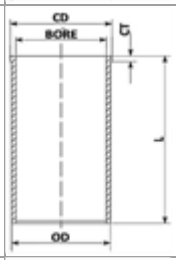
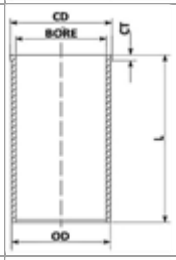
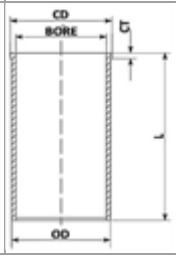
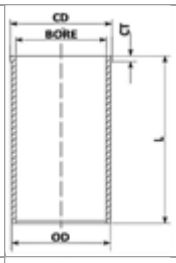
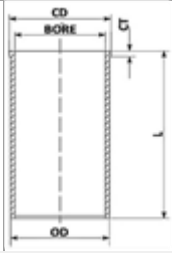
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SEAT	138B6.000	SF	21231602	BORE:83.000 OD: 87.030 CD: 90.000 CT:4.600 FL: L:147.000	
SEAT	132A/B/C1/AB.1A	SF	21206102	BORE:84.000 OD: 88.020 CD: CT: FL: L:145.000	
SEAT	OM 615	SF		BORE:87 OD: 90 CD: 92 CT:4.7 FL: L:158.4	
SEAT	8144.61	SF	21230502	BORE:93.000 OD: 96.060 CD: CT: FL: L:167.000	
SEAT	8144.61	SF	21230702	BORE:93.000 OD: 97.030 CD: 100.000 CT:5.000 FL: L:167.000	
	SIMCA				
SIMCA	1221 CC,1.2L	SF	SU3041	BORE:72.000 OD: 75.463 CD: CT: FL: L:165.100	

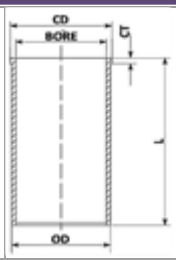
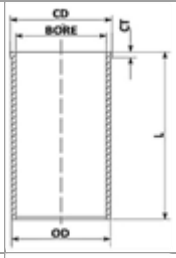
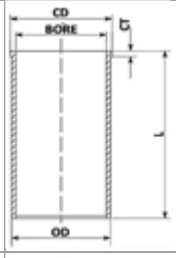
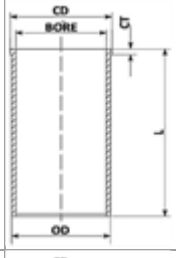
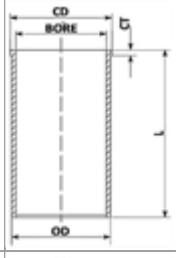
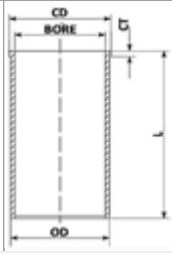
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SIMCA	1290 CC	SF	SU3042	BORE:74.000 OD: 77.876 CD: CT: FL: L:165.100	
SINGER	875 CC	SF	SU3834 ZF	BORE:67.986 OD: 74.752 CD: 82.550 CT:4.902 FL: L:100.330	
	SINGER				
SINGER	875 CC	SF	SU3636ZF	BORE:72.532 OD: 74.752 CD: 82.550 CT:4.902 FL: L:100.076	
SINGER	1494 CC	SF	SU2848	BORE:78.999 OD: 82.753 CD: CT: FL: L:152.400	
SINGER	1592 CC	SF	SU3756	BORE:81.539 OD: 85.501 CD: CT: FL: L:152.400	
	STANDARD				
STANDARD	948 C, ATLAS	SF	SU3649	BORE:63.000 OD: 66.726 CD: CT: FL: L:134.112	

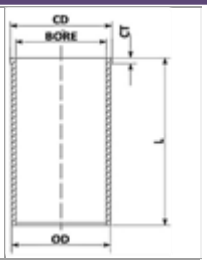
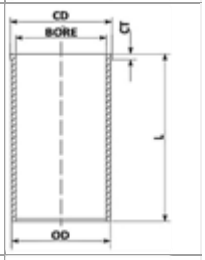
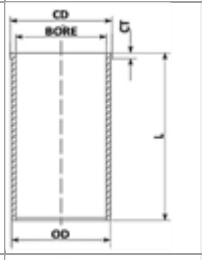
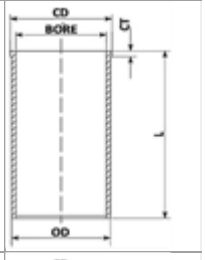
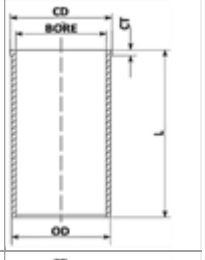
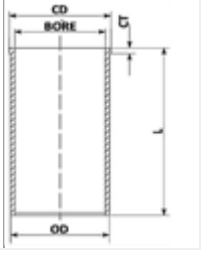
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
STANDARD	1147 CC	SF	SU3649	BORE:69.289 OD: 73.076 CD: CT: FL: L:135.128	
STANDARD	1998 CC	SF	SU3157	BORE:74.689 OD: 77.876 CD: CT: FL: L:134.112	
STANDARD	2260 CC	SF	SJ235800 NS	BORE:84.176 OD: 89.718 CD: 94.285 CT:11.176 FL: 0.635 L:187.706	
	STEYER				
STEYER	506	SF	321T05 SEMI	BORE:104.930 OD: 110.000 CD: 111.780 CT:4.600 FL: L:222.500	
STEYER	1291	FF		BORE:126.000 OD: 130.500 CD: 134.650 CT:4.250 FL: L:240.000	
	SUNBEAM				
SUNBEAM	875 CC	SF	SU3834ZF	BORE:67.986 OD: 74.752 CD: 82.550 CT:4.902 FL: L:100.330	

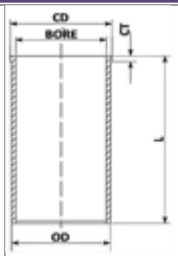
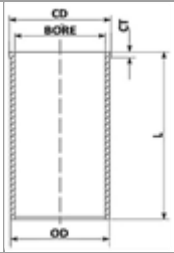
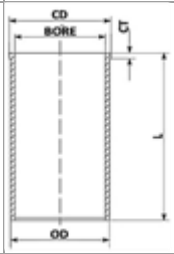
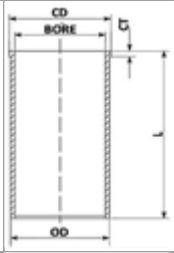
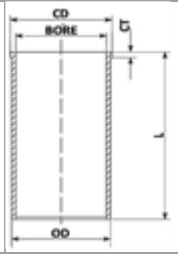
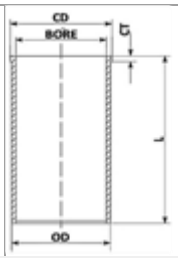
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SUNBEAM	996 CC	SF	SU3636ZF	BORE:72.532 OD: 74.752 CD: 82.550 CT:4.902 FL: L:100.076	
SUNBEAM	1390 CC	SF	SU2501	BORE:76.020 OD: 79.959 CD: CT: FL: L:152.400	
SUNBEAM	1494 C,ALPIN	SF	SU2848	BORE:78.999 OD: 82.753 CD: CT: FL: L:152.400	
SUNBEAM	2267 CC	SF	SU 2115	BORE:80.962 OD: 83.998 CD: CT: FL: L:195.262	
SUNBEAM	1592 C, H120	SF	SU3756	BORE:81.539 OD: 85.801 CD: CT: FL: L:144.000	
	SUZUKI				
SUZUKI	800	SF		BORE:62 OD: 71.5 CD: 72 CT:4.7 FL: L:113	

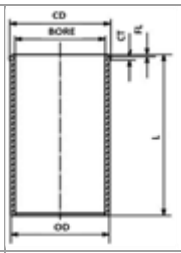
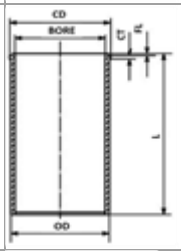
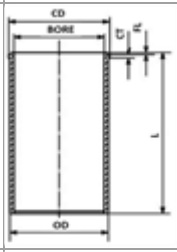
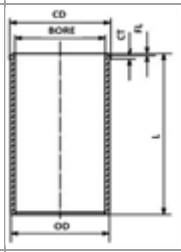
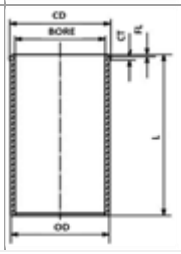
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
SUZUKI		SF		BORE:68 OD: 72 CD: 75 CT:5 FL: L:130	
SUZUKI	SWIFT	SF		BORE:75 OD: 78.3 CD: 81.34 CT:4.76 FL: L:135	
SUZUKI	CARRY	SF		BORE:65.5 OD: 69 CD: 70 CT:5 FL: L:115	
	SHAKTIMAN				
SHAKTIMAN		FF		BORE:99.568 OD: 106.68 CD: CT: FL: L:238	
	TALBOT				
TALBOT	1592 CC	SF	SU3756	BORE:76.8 OD: 85.801 CD: CT: FL: L:152.400	

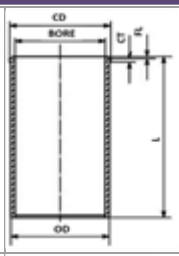
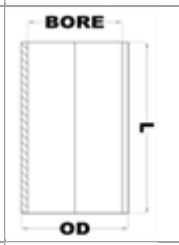
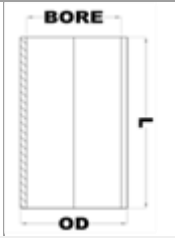
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TALBOT	XUD9/A/B/, 162	SF	CH 2334 100	BORE:83 OD: 85.600 CD: 88.500 CT:3.900 FL: L:153.500	
TALBOT	U25/651/U25/661	SF	CH 2403 100	BORE:93.000 OD: 97.500 CD: 99.000 CT:5.000 FL: L:163.000	
TALBOT	U8,XD2S (147)	SF	CH 2315 100	BORE:94.000 OD: 97.000 CD: 99.500 CT:3.900 FL: L:170.300	
TALBOT	U8,XD2S (147)	SF	CH 2311 100	BORE:94.000 OD: 98.700 CD: 100.000 CT:5.000 FL: L:170.000	
	TATA				
TATA	206 / 207	SF		BORE:83 OD: 86.125 CD: 86.89 CT:4.8 FL: L:152	
TATA	INDICA	SF		BORE:75 OD: 78.74 CD: 79.502 CT:4.77 FL: L:130.175	

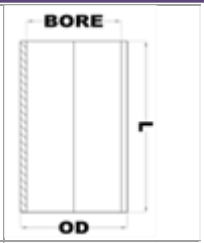
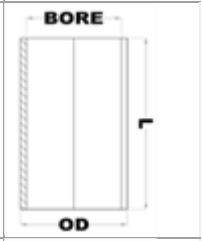
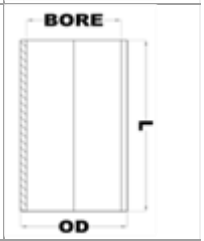
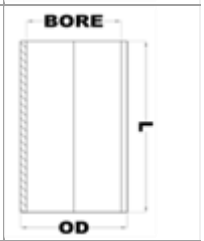
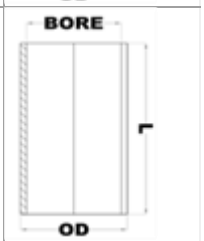
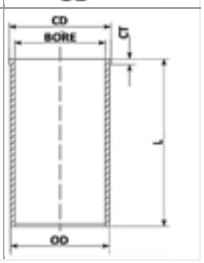
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TATA	407	SF		BORE:97 OD: 100.095 CD: 103.45 CT:4.27 FL: L:177	
TATA	CUMMINS 6BT	SF		BORE:102.019 OD: 104.53 CD: 105.53 CT:4 FL: L:203.2	
TATA	90.00 mm	SF		BORE:90 OD: 95.25 CD: 96.012 CT:4.85 FL: L:215.6	
TATA	1210 DI	SF		BORE:92 OD: 96.85 CD: 97.79 CT:4.85 FL: L:215.6	
TATA	692 TELCO	SF		BORE:92 OD: 95.072 CD: 98.425 CT:4.25 FL: L:215.6	
TATA	695 / 1312	SF		BORE:95 OD: 98.105 CD: 101.4 CT:4.25 FL: L:214.53	

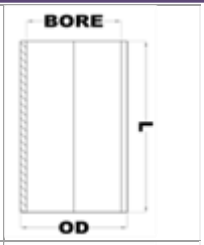
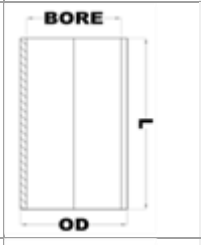
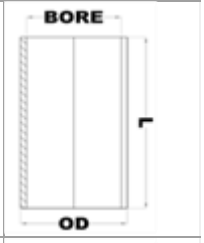
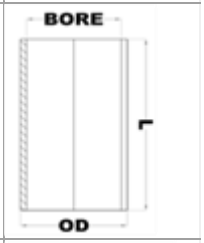
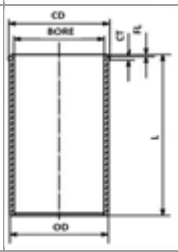
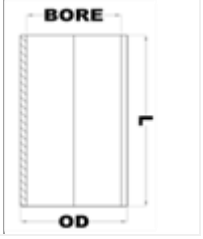
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TATA	1516 / 1612	SF		BORE:96.52 OD: 100.965 CD: 104.14 CT:4.25 FL: L:223	
TATA	1516 O/S 020	SF		BORE:96.52 OD: 101.473 CD: 104.14 CT: FL: L:223	
TATA	1517 O/S 040	SF		BORE:96.52 OD: 101.981 CD: 104.14 CT: FL: L:223	
TATA	1518 O/S 060	SF		BORE:96.52 OD: 102.489 CD: 104.14 CT: FL: L:223	
TATA	1519 O/S 080	SF		BORE:96.52 OD: 102.997 CD: 104.14 CT: FL: L:223	
TATA	1520 O/S 100	SF		BORE:96.52 OD: 103.505 CD: 104.14 CT: FL: L:223	

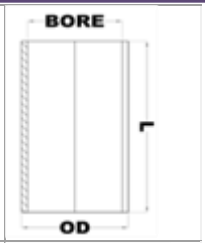
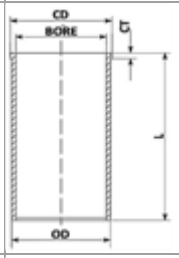
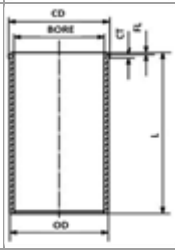
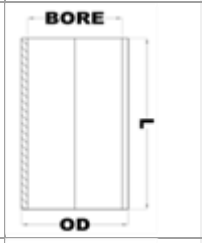
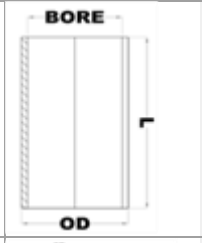
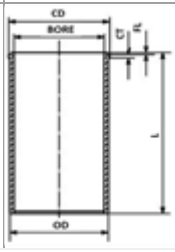
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TATA	609 / 709 SPECIAL	SF		BORE:92 OD: 95.277 CD: 95.91 CT:4.75 FL: L:214.45	
TATA	1313	SF		BORE:97 OD: 100.103 CD: 103.4 CT:5 FL: L:220	
TATA	812	FF		BORE:91.491 OD: 97.536 CD: 98.425 CT:7 FL: L:218	
TATA	743	FF		BORE:91.491 OD: 95.758 CD: 99.187 CT:7 FL: L:218	
TATA MOBILE		SF		BORE:82.296 OD: 86.741 CD: 87.376 CT:7 FL: L:156	
	TATRA				
TATRA	T3-928, T3-929, T3-930	FF	BLOCK	BORE:120 OD: 130 CD: 140 CT:185 FL: L:260	

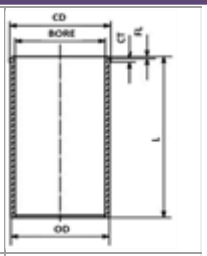
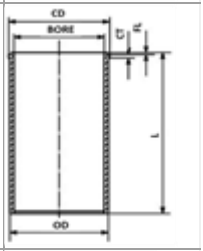
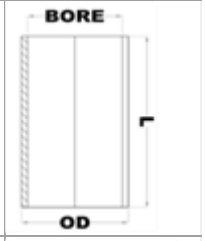
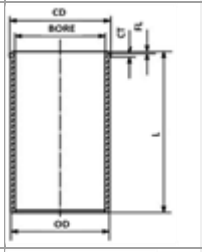
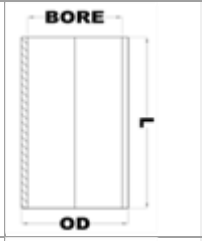
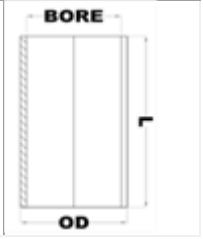
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
	TOYOTA				
TOYOTA	11B	SF	11461-56030 SU 351323	BORE:95 OD: 99 CD: 104.65 CT:2.55 FL: 1.2 L:190.22	
TOYOTA	12H	SF	11460-68010	BORE:91 OD: 95 CD: 101 CT:2.5 FL: 1 L:183.5	
TOYOTA	12R	SF	11462-31020 SU 4264	BORE:80.5 OD: 84.607 CD: CT: FL: L:143.967	
TOYOTA	13B	FF	11461-58020 SJ 351364	BORE:102 OD: 106 CD: 111.65 CT:2.5 FL: 1.19 L:190.26	
TOYOTA	13B	SF	11461-58020 SU 351238	BORE:102 OD: 106 CD: 111.65 CT:2.5 FL: 1.19 L:190.26	
TOYOTA	14B	SF	11461-58040	BORE:102 OD: 106 CD: 112 CT:2.55 FL: 1.2 L:190	

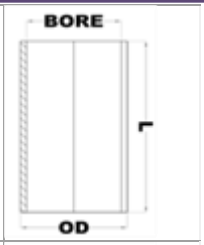
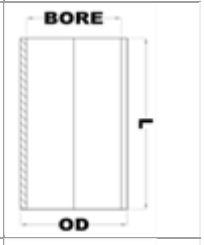
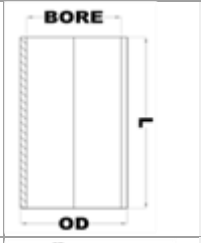
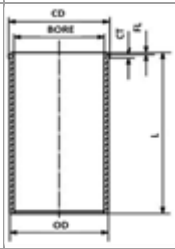
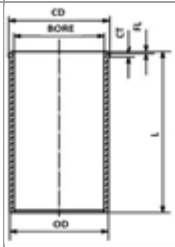
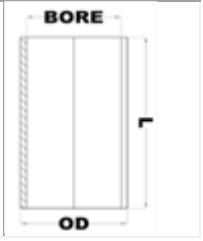
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	14B	FF	11461-58040	BORE:102 OD: 106 CD: 112 CT:2.55 FL: 1.2 L:190	
TOYOTA	14B	SF	11461-58040	BORE:102 OD: 106 CD: CT: FL: L:196	
TOYOTA	14B	SF	11461-58041	BORE:102 OD: 106 CD: CT: FL: L:197	
TOYOTA	15B / 15BT	SF		BORE:108 OD: 112 CD: CT: FL: L:200	
TOYOTA	18R	SF		BORE:88.5 OD: 92.19 CD: CT: FL: L:170	
TOYOTA	1A/3A	SF		BORE:77 OD: 81.5 CD: CT: FL: L:140	

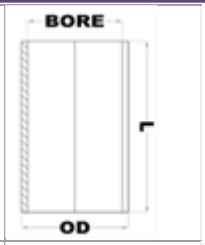
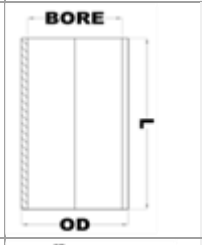
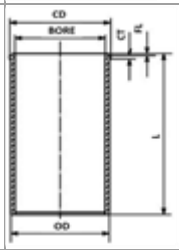
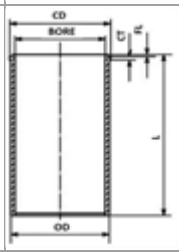
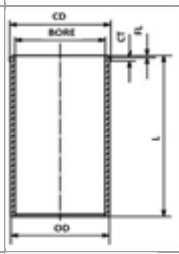
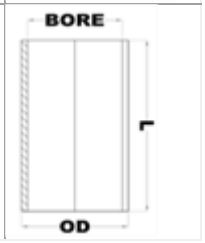
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	1C	SF	11461-64010	BORE:83 OD: 87 CD: CT: FL: L:144	
TOYOTA	1GE	SF		BORE:75 OD: 79.49 CD: CT: FL: L:170	
TOYOTA	1HZ	SF	11461-17010	BORE:94 OD: 98 CD: CT: FL: L:166.5	
TOYOTA	1S	SF		BORE:80.5 OD: 84.5 CD: CT: FL: L:146	
TOYOTA	1Y	SF	11461-71010	BORE:86 OD: 89.01 CD: CT: FL: L:150	
TOYOTA	1Z/1KZ	SF	11461-78300	BORE:96 OD: 100.04 CD: 105.8 CT:8.02 FL: L:182.5	

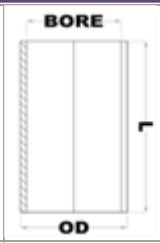
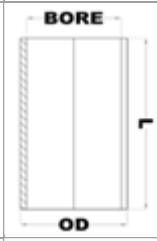
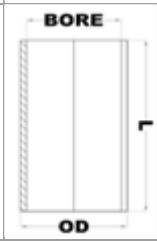
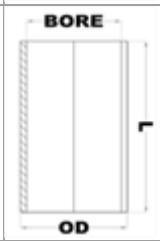
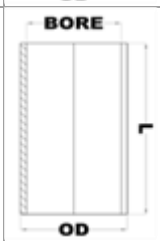
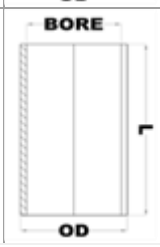
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	21R	SF	11461-37010	BORE:84 OD: 89.014 CD: CT: FL: L:120	
TOYOTA	22R	SF	11461-35010	BORE:92 OD: 95.37 CD: CT: FL: L:170	
TOYOTA	22R	FF		BORE:92 OD: 95.37 CD: CT: FL: L:170	
TOYOTA	2A-L	SF		BORE:76 OD: 79.49 CD: CT: FL: L:170	
TOYOTA	2B	SF	11461-57010 SU 351239	BORE:98 OD: 102.045 CD: 107.75 CT:2.55 FL: 1.2 L:190.18	
TOYOTA	2C	SF	11461-64090	BORE:86 OD: 90 CD: CT: FL: L:150	

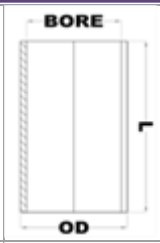
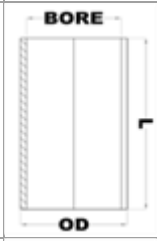
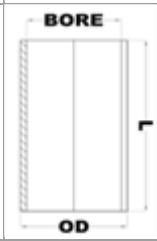
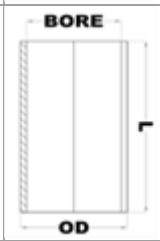
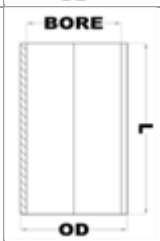
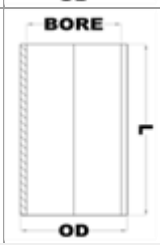
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	2C	FF	11461-64060	BORE:86 OD: 90 CD: CT: FL: L:150	
TOYOTA	2D 5Ring	FF	11461-77040 SJ 351144	BORE:105 OD: 115.464 CD: 119.77 CT:10.165 FL: L:242.34	
TOYOTA	2D 4Ring	FF	11461-77020	BORE:105 OD: 115.5 CD: 121 CT:10 FL: 1.3 L:233	
TOYOTA	2E-L	SF	11461-11040	BORE:73 OD: 76.315 CD: CT: FL: L:170	
TOYOTA	2F	FF	11461-61010	BORE:94 OD: 98.54 CD: CT: FL: L:230	
TOYOTA	2H	SF	11461-68010 SU 351264	BORE:91 OD: 95.047 CD: 100.63 CT:3 FL: 1 L:184	

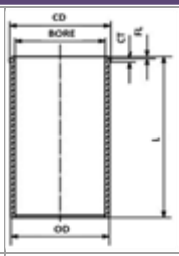
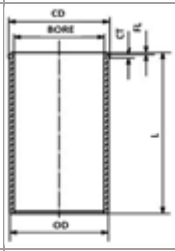
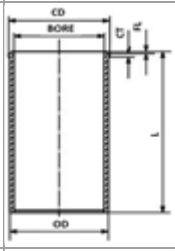
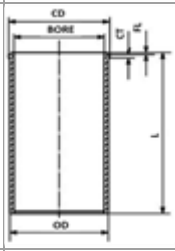
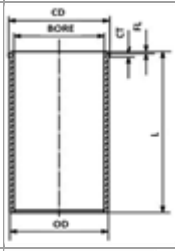
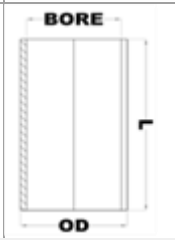
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	2H	FF	SJ 351366	BORE:91 OD: 95 CD: 100.63 CT:3 FL: 1 L:184	
TOYOTA	2L	SF	11461-54060 SU 351305	BORE:92 OD: 96.063 CD: 100.127 CT:3.5 FL: 1.42 L:161.29	
TOYOTA	2L	SF	11461-54040 SU 351272	BORE:92 OD: 96.075 CD: CT: FL: L:179	
TOYOTA	2L	FF	11461-54030	BORE:92 OD: 96.063 CD: 100.127 CT:3.5 FL: 1.42 L:161.29	
TOYOTA	2M	FF		BORE:74.981 OD: 79.837 CD: CT: FL: L:190.5	
TOYOTA	2P	SF		BORE:76 OD: 81 CD: CT: FL: L:130	

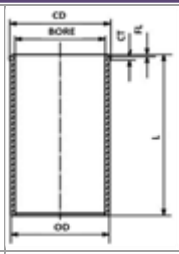
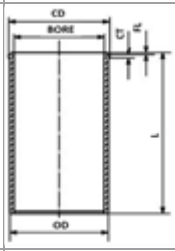
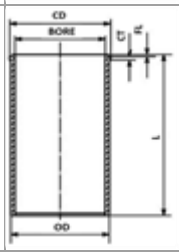
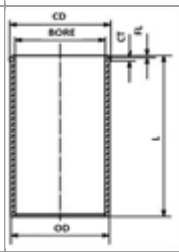
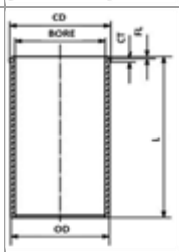
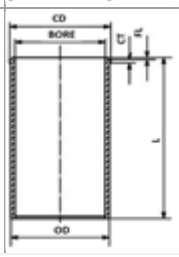
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	2R	SF		BORE:78 OD: 82.665 CD: CT: FL: L:170	
TOYOTA	2T/2TB	SF	11461-26010	BORE:85 OD: 89.01 CD: CT: FL: L:150	
TOYOTA	2Y	SF	11461-71010	BORE:86 OD: 89.01 CD: CT: FL: L:150	
TOYOTA	3B	FF	11461-58010 SJ 351364	BORE:102 OD: 106 CD: 111.65 CT:2.5 FL: 1.19 L:190.26	
TOYOTA	3B	SF	11461-58020 SU 351238	BORE:102 OD: 106 CD: 111.65 CT:2.5 FL: 1.19 L:190.26	
TOYOTA	3F	FF		BORE:93.65 OD: 98.501 CD: CT: FL: L:219.08	

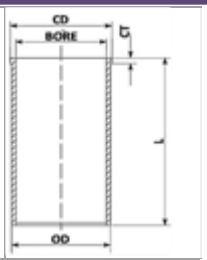
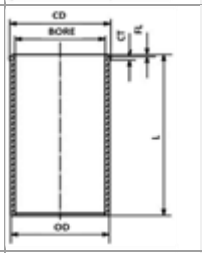
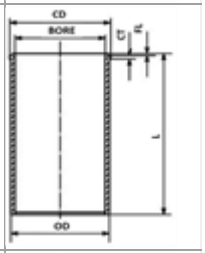
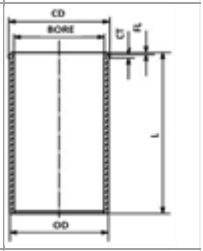
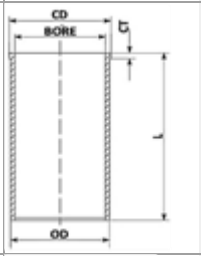
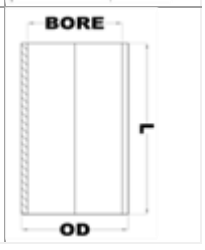
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	3K	SF	11461-24010	BORE:75 OD: 76.49 CD: CT: FL: L:170	
TOYOTA	3K	SF	11462-24010	BORE:75 OD: 79.5 CD: CT: FL: L:170	
TOYOTA	3L	SF	11461-54090	BORE:96 OD: 100 CD: 108 CT:2.5 FL: 1.2 L:190	
TOYOTA	3L	FF	11461-54100	BORE:96 OD: 100 CD: 108 CT:2.5 FL: 1.2 L:190	
TOYOTA	3L	SF	11461-54100	BORE:96 OD: 100 CD: 108 CT:2.5 FL: 1.2 L:190	
TOYOTA	3P	SF		BORE:76 OD: 81 CD: CT: FL: L:137	

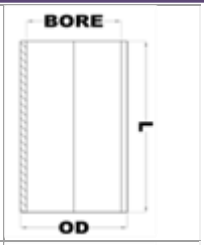
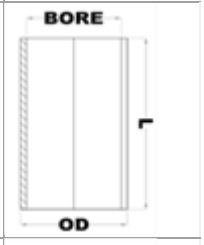
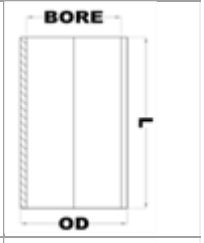
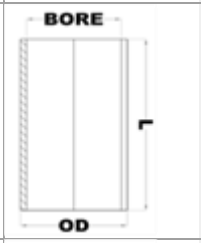
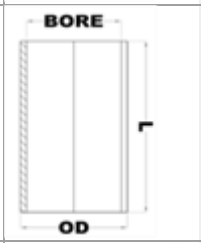
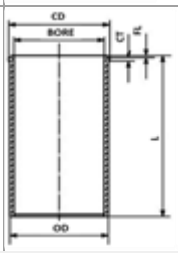
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	3T	SF		BORE:85 OD: 89.01 CD: CT: FL: L:150	
TOYOTA	3Y	SF	11461-73010	BORE:86 OD: 89.01 CD: CT: FL: L:150	
TOYOTA	4A / GE	SF	11461-16010	BORE:81 OD: 84.252 CD: CT: FL: L:170	
TOYOTA	4A-L/4A-F	SF		BORE:81 OD: 84.252 CD: CT: FL: L:170	
TOYOTA	4K	SF	11461-24012	BORE:75 OD: 79.49 CD: CT: FL: L:170	
TOYOTA	4Y	SF		BORE:91 OD: 95.37 CD: CT: FL: L:170	

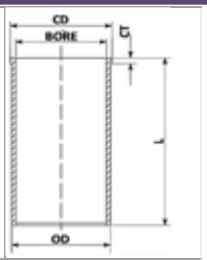
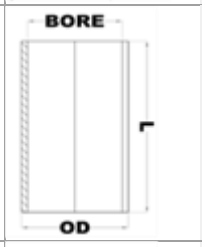
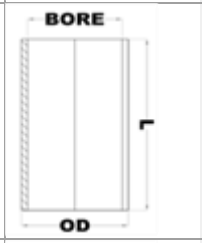
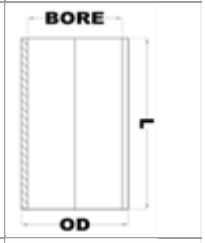
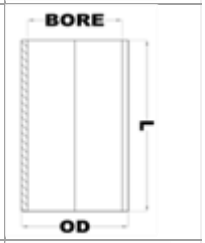
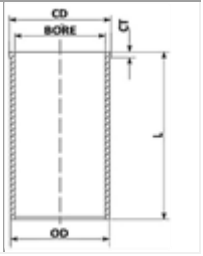
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	5K	SF		BORE:80.5 OD: 84.252 CD: CT: FL: L:170	
TOYOTA	5L	FF		BORE:99.5 OD: 103.5 CD: CT: FL: L:160.5	
TOYOTA	5M-E/GE	SF		BORE:82.2 OD: 87.427 CD: CT: FL: L:215.9	
TOYOTA	5R	SF		BORE:88 OD: 92.19 CD: CT: FL: L:170	
TOYOTA	6R/7R/8R	SF		BORE:86 OD: 89.01 CD: CT: FL: L:150	
TOYOTA	7R	SF		BORE:86 OD: 90 CD: CT: FL: L:144	

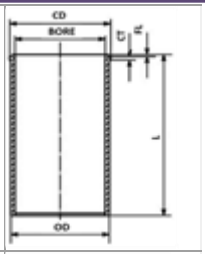
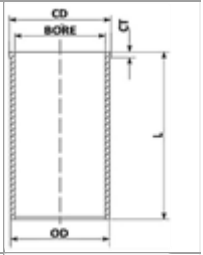
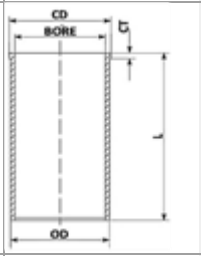
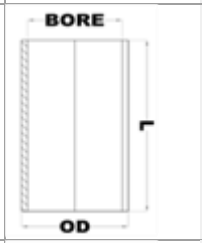
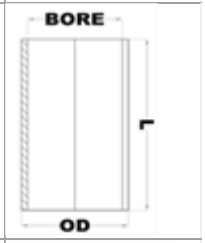
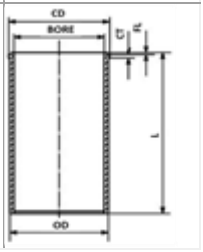
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	B	SF	11461-56010	BORE:95 OD: 100 CD: 107.6 CT:2.5 FL: 1.1 L:190	
TOYOTA	B	SF	11461-56020 SU 351232	BORE:95 OD: 102.07 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
TOYOTA	B	FF	11461-56020 SJ 351310	BORE:95 OD: 102 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
TOYOTA	B	SF	11461-56030 SU 351323	BORE:95 OD: 99 CD: 104.65 CT:2.55 FL: 1.2 L:190.22	
TOYOTA	B	FF	11461-56030 SJ 351309	BORE:95 OD: 99 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
TOYOTA	F	SF	11461-60010	BORE:90 OD: 95.37 CD: CT: FL: L:170	

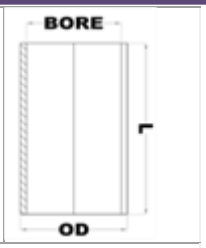
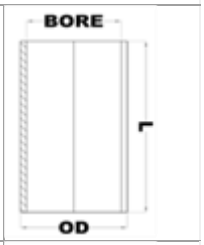
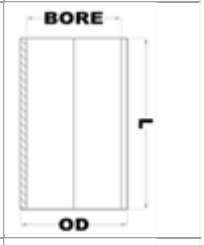
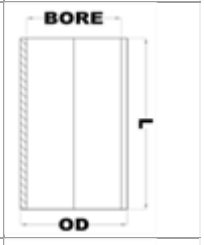
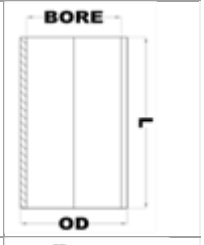
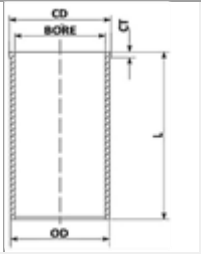
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	H / 2J	SF	11461-48010/1 SU 351242	BORE:88 OD: 93.05 CD: 97.79 CT:2.5 FL: 1.25 L:183.67	
TOYOTA	H	FF	11461-48010	BORE:88 OD: 93.05 CD: 97.79 CT:2.5 FL: 1.25 L:183.67	
TOYOTA	L	SF	SU 351227	BORE:90 OD: 94.105 CD: 100.84 CT:3.51 FL: 1.1 L:160.48	
TOYOTA	L	FF	11461-54010	BORE:90 OD: 94.105 CD: 100.84 CT:3.51 FL: 1.1 L:160.48	
TOYOTA	3L	SF	11461-5400	BORE:96 OD: 100 CD: 108 CT:2.5 FL: 1.2 L:190	
TOYOTA	BU60	SF	11461-56031	BORE:94.25 OD: 99 CD: 104.57 CT:2.48 FL: 1.2 L:190.46	

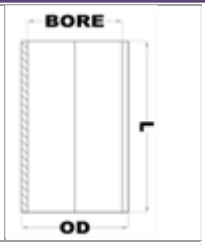
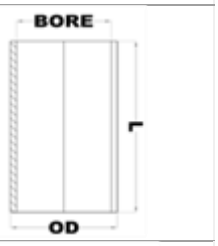
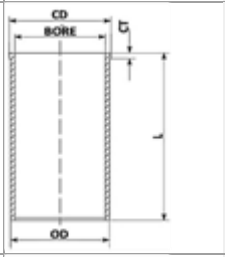
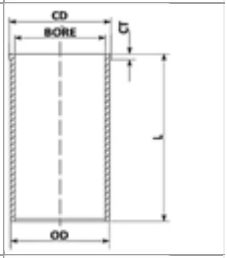
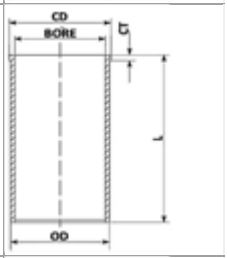
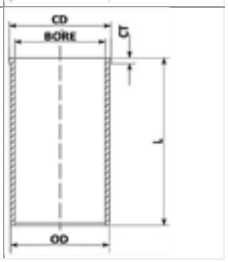
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	1Z/1KZ	FF	11461-67020	BORE:96 OD: 99.96 CD: 105.09 CT:4.98 FL: L:189.24	
TOYOTA	1W	FF	11461-78010	BORE:104 OD: 107 CD: 112 CT:8 FL: 0.7 L:201	
TOYOTA	1W	SF	11461-78020	BORE:104 OD: 107 CD: 112 CT:7.99 FL: 0.7 L:200.9	
TOYOTA	BU30	SF	1-11461-56021	BORE:95 OD: 102 CD: 107.75 CT:2.55 FL: 1.2 L:190.22	
TOYOTA	1N	SF		BORE:74 OD: 78 CD: 82 CT:2.5 FL: L:136	
TOYOTA	3K-B	SF		BORE:75 OD: 79.101 CD: CT: FL: L:121.285	

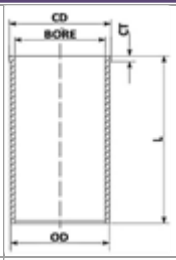
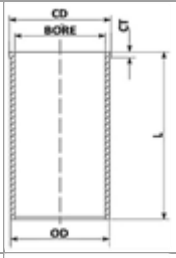
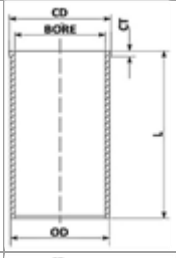
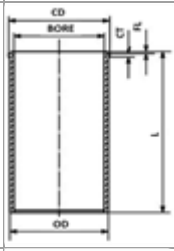
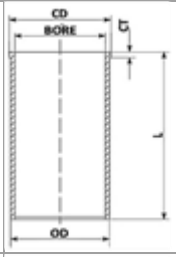
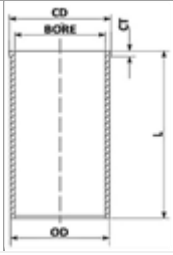
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	3 AU	SF		BORE:77.5 OD: 80.5 CD: CT: FL: L:140	
TOYOTA	5K/1S	SF		BORE:80.5 OD: 84.5 CD: CT: FL: L:146	
TOYOTA	4 S	SF		BORE:81.5 OD: 85.5 CD: CT: FL: L:140	
TOYOTA	SM	SF		BORE:83.74 OD: 89.014 CD: CT: FL: L:215.9	
TOYOTA	2K	SF		BORE:86 OD: 90 CD: CT: FL: L:140	
TOYOTA	2J / H	SF	11462-48011	BORE:88 OD: 93.05 CD: 97.79 CT:2.5 FL: 1.25 L:183.67	

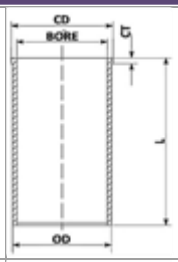
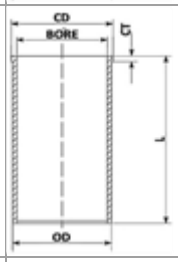
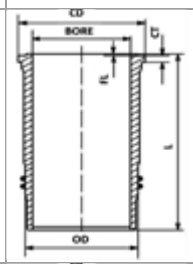
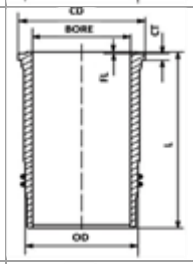
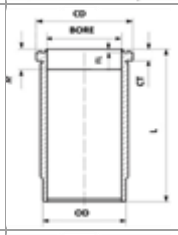
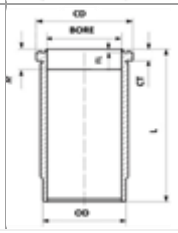
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	L	SF	11461-54010	BORE:90 OD: 94.105 CD: 100.84 CT:3.51 FL: L:160.48	
TOYOTA	F	SF	11461-60010	BORE:90 OD: 94 CD: CT: FL: L:187	
TOYOTA	2L - 12 HT	SF		BORE:92 OD: 96.075 CD: CT: FL: L:179	
TOYOTA	1HZ / 1PZ	SF	11461-17010	BORE:94 OD: 98 CD: CT: FL: L:166.5	
TOYOTA	14BT	SF		BORE:102 OD: 106 CD: CT: FL: L:197	
TOYOTA	2D 5 Ring	FF	11461-77040	BORE:105 OD: 115 CD: 119.77 CT:10.165 FL: L:242.34	

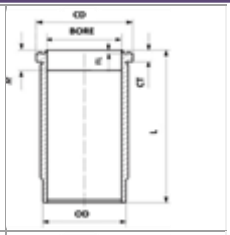
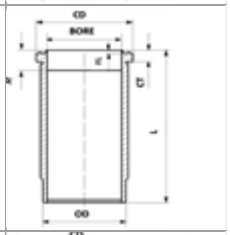
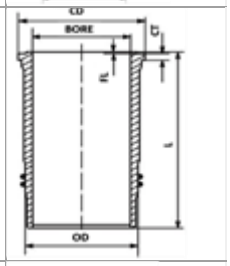
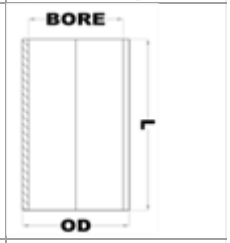
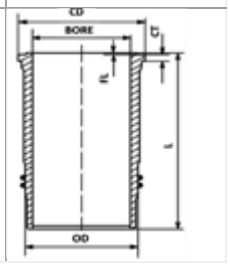
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TOYOTA	2D 4 Ring	FF	11461-77021	BORE:105 OD: 116 CD: 121 CT:10 FL: 1 L:233	
TOYOTA	4HD1	SF		BORE:114 OD: 118.1 CD: 124 CT:6.5 FL: L:181	
TOYOTA	91-94	SF		BORE:73 OD: 76.6 CD: 79.34 CT:4.76 FL: L:145	
	TRIUMPH (CARS)				
TRIUMPH (CARS)	1147 CC	SF	SU3649	BORE:69.289 OD: 73.076 CD: CT: FL: L:135.128	
TRIUMPH (CARS)	1296 CC	SF	SU3875	BORE:73.647 OD: 77.069 CD: CT: FL: L:135.128	
TRIUMPH (CARS)	23 C	SF	SJ235800	BORE:84.176 OD: 89.718 CD: 94.285 CT:11.176 FL: 0.635 L:187.960	

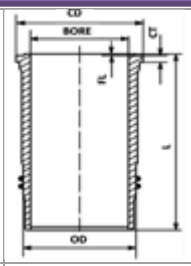
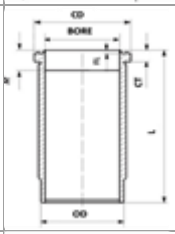
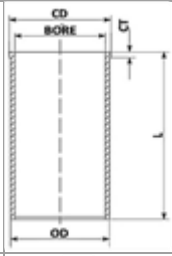
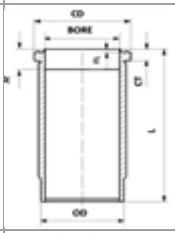
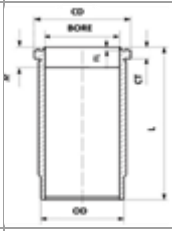
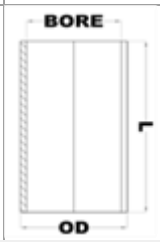
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
TRIUMPH (CARS)	2997 CC	SF	SU4251	BORE:84.987 OD: 89.372 CD: CT: FL: L:120.650	
	VAUXHALL				
VAUXHALL	1057 CC	SF	SU3587	BORE:74.295 OD: 77.876 CD: CT: FL: L:127.000	
VAUXHALL	4EC1	SF	SU351313	BORE:76.000 OD: 80.000 CD: CT: FL: L:138.000	
VAUXHALL	1159 CC	SF	SU3831	BORE:77.749 OD: 81.356 CD: CT: FL: L:127.000	
VAUXHALL	CRESTA	SF	SU2123	BORE:79.375 OD: 82.962 CD: CT: FL: L:142.494	
VAUXHALL	1.6D	SF	SU351283	BORE:80.000 OD: 83.103 CD: 84.920 CT:4.600 FL: L:143.500	

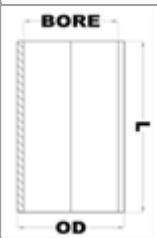
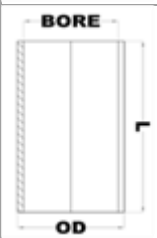
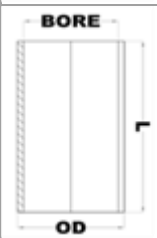
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
VAUXHALL	SERIES 101	SF	SU 3744	BORE:81.636 OD: 85.801 CD: CT: FL: L:142.875	
	VOLKSWAGEN				
VOLKSWAGEN	1900	FF		BORE:94 OD: 111.6 CD: CT: FL: L:131.8	
VOLKSWAGEN	1600 CC	FF	311101301B	BORE:85.5 OD: 90 CD: 93.8 CT:112.5 FL: L:136.7	
VOLKSWAGEN	1500CC	SF		BORE:76.5 OD: 80.5 CD: 81.95 CT: FL: L:148	
VOLKSWAGEN	CR EXT / 1500N-1600D	FF	029WV13	BORE:76.51 OD: 79.5 CD: 81.5 CT:4.7 FL: L:145	
VOLKSWAGEN	1,6D	FF		BORE:76.5 OD: 81.5 CD: 83 CT:4.76 FL: L:145	

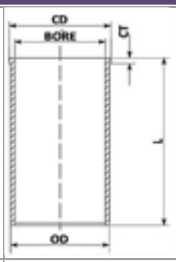
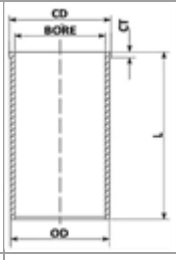
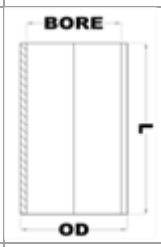
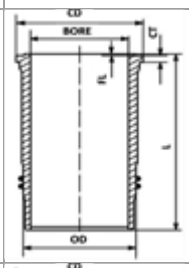
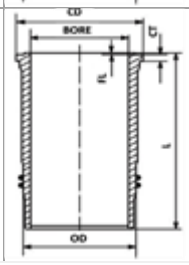
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
VOLKSWAGEN		FF	029WV20	BORE:79.5 OD: 82.5 CD: 85.5 CT:4.7 FL: L:152	
VOLKSWAGEN	1.6, 2.0, 2.4 Ltr	FF	89049190	BORE:76.5 OD: 79.5 CD: 81.5 CT:4.7 FL: L:145	
VOLKSWAGEN	1.9 Ltr	FF	89434190	BORE:79.5 OD: 82.5 CD: 85.5 CT:4.7 FL: L:152	
VOLKSWAGEN	4.165	FF	89025190	BORE:92 OD: 96.83 CD: 101 CT:3.85 FL: 0.7 L:191.3	
VOLKSWAGEN	1800	SF		BORE:81 OD: 84.6 CD: ES 555 CT: FL: L:165	
VOLKSWAGEN	1200 CC	FF		BORE:77 OD: 87 CD: 102 CT: FL: L:126	

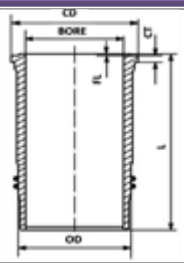
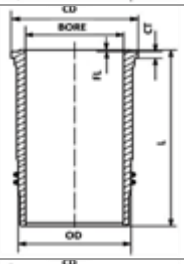
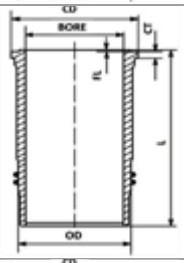
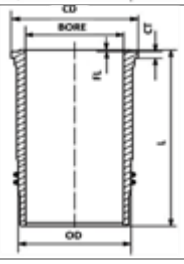
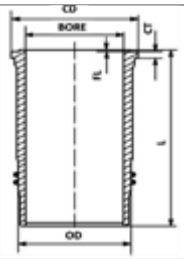
APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
VOLKSWAGEN	1471 CC	SF	SU351285	BORE:76.500 OD: 79.593 CD: 81.428 CT:4.800 FL: L:145.300	
VOLKSWAGEN	1588 CC, D24	SF	SU351284	BORE:76.500 OD: 79.595 CD: 81.420 CT:4.800 FL: L:145.000	
	VOLVO				
VOLVO	TD 42	FF		BORE:105.575 OD: 118 CD: 127.4 CT:9 FL: 1 L:246	
VOLVO	TD 60	FF		BORE:98.4 OD: 109.88 CD: 119.088 CT:12 FL: 1 L:234.49	
VOLVO	TD100B	FF	AE SJ 351217 MAHLE 037 WN 18	BORE:120.64 OD: 133.833 CD: 146.99 CT:11.76 FL: 0.99 L:293.675	
VOLVO	TD120	FF	SJ 351115V1 / 037 WN 22	BORE:130.18 OD: 143.909 CD: 157.582 CT:13.55 FL: 0.69 L:310.515	

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
VOLVO	TD121	FF	037 WN 25	BORE:130.18 OD: 143.909 CD: 157.582 CT:10.5 FL: 0.7 L:311	
VOLVO	TD122	FF	SJ 351296 / MAHLE 037 WN 30	BORE:130.18 OD: 143.85 CD: 157.62 CT:10.5 FL: 3.25 L:313.25	
VOLVO	TD70	FF	SJ 351130 MAHLE_089 WN 16	BORE:104.77 OD: 116.942 CD: 126.975 CT:11.66 FL: 0.76 L:256.794	
VOLVO		SF		BORE:85.35 OD: 90.6 CD: CT: FL: L:170	
VOLVO		FF		BORE:85 OD: CD: CT: FL: L:BLOCK	
VOLVO	FH12	FF	MAHLE037 WN 48	BORE:131 OD: 144 CD: 11.2 CT:159.6 FL: 0.9 L:276.5	

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
VOLVO	D 12 A	FF	037 WN 35 037 WN 35	BORE:131 OD: 143.9 CD: 159.6 CT:11.2 FL: 4.45 L:276.4	
VOLVO	TD 100 A	FF	88476 110 SJ 351088 / 037 WN 18	BORE:120.64 OD: 133.916 CD: 146.957 CT:11.679 FL: 1 L:294.107	
VOLVO	D24	SF	SU351284	BORE:76.500 OD: 79.595 CD: 81.420 CT:4.800 FL: L:145.000	
VOLVO	L 8	FF	SJ 351041	BORE:92.25 OD: 109 CD: 117.086 CT:12.5 FL: L:234.5	
VOLVO	L 8 DS - 50	FF	MAHLE 037 WN 06	BORE:95.25 OD: 108 CD: 117.086 CT:11.6 FL: L:234	
	WOLSELEY				
WOLSELEY	A SERIES	SF	SU2893	BORE:62.916 OD: 66.192 CD: CT: FL: L:130.962	

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
WOLSELEY	A SERIES	SF	SU3367	BORE:64.567 OD: 67.132 CD: CT: FL: L:134.137	
WOLSELEY	A SERIES	SF	SU3598	BORE:70.612 OD: 73.089 CD: CT: FL: L:141.275	
WOLSELEY	B SERIES	SF	SU2447	BORE:73.025 OD: 76.670 CD: CT: FL: L:153.988	
WOLSELEY	B SERIES	SF	SU3270	BORE:76.200 OD: 79.845 CD: CT: FL: L:154.000	
WOLSELEY	E SERIES	SF	SU4245	BORE:76.200 OD: 78.773 CD: CT: FL: L:146.431	
WOLSELEY	B SERIES	SF	SU351084	BORE:80.251 OD: 82.918 CD: CT: FL: L:153.924	
	VW GOLF D				

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
VW GOLF D		SF		BORE:76.5 OD: 79.5 CD: 81.5 CT:4.7 FL: L:145	
VW GOLF D		SF		BORE:79.5 OD: 82.5 CD: 85.5 CT:4.7 FL: L:152	
	ZASTAVA				
ZASTAVA	128A/AC/BB.0A	SF	21204802	BORE:80.000 OD: 84.060 CD: CT: FL: L:158.000	
	ZETOR				
ZETOR	3511 / 2011 / 2511SPL	FF	395 0116 SJ 611101WS	BORE:95 OD: 111 CD: 122 CT:10.06 FL: 0.5 L:210	
ZETOR	HMT 5911	FF	6701 0168 / 6901 0153	BORE:100 OD: 115 CD: 123 CT:10.07 FL: 0.5 L:225	

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE	
ZETOR	HMT 4511	FF		BORE:102 OD: 116 CD: 123 CT:10.07 FL: 0.5 L:225	
ZETOR	G 453	FF	KS 89058110	BORE:102 OD: 116 CD: 124 CT:10.77 FL: L:225.7	
ZETOR	H-50	FF	MAHLE 595WN06	BORE:105 OD: 121 CD: 130 CT:10.07 FL: 0.7 L:237	
ZETOR	4562 / EXPO / 8011	FF	280 002 002 2086WL MAHLE 595WN03	BORE:110 OD: 127 CD: 136 CT:10.07 FL: 0.7 L:233.7	
	ESCORTS				
ESCORTS	335	FF		BORE:102 OD: 116 CD: 122.63 CT:9.65 FL: L:225.62	

APPLICATION	ENGINE MODEL	S/F	REF NO.	SIZE