



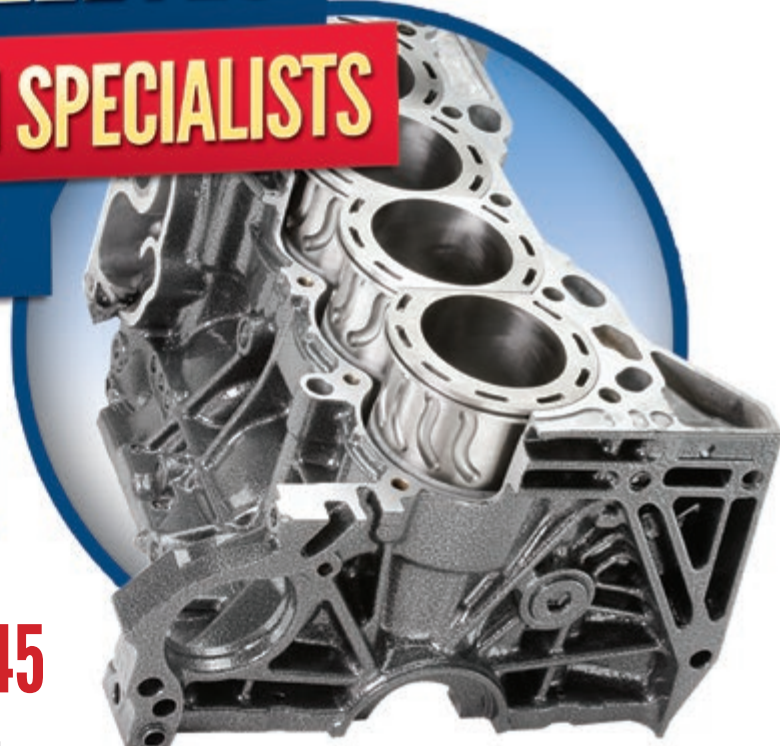
PERFORMANCE SLEEVES

ENGINE SLEEVE SOLUTION SPECIALISTS

IRON & ALUMINUM BLOCKS

STREET - DRAG - PULLERS

TRACTOR - TRUCK - HEAVY DUTY - INDUSTRIAL



SAVING CYLINDERS SINCE 1945

- ▶ Maintain aluminum block integrity. Boost ranges up to 92lbs. Horsepower rated up to 1,800hp. Ideal for boosted Turbo and Nitrous motor builds.
- ▶ Our Amphibious ProCross – ProCool design feature will dry press in securely, prevent sleeve movement and leakage, and sustain the proper cooling flow.
- ▶ American Made Since 1945 – our sleeves are created from our proprietary MOLY2000 centrifugally spun-cast ductile, providing greater micro-structural density than our competitors.



L.A. SLEEVE

American Made Since 1945



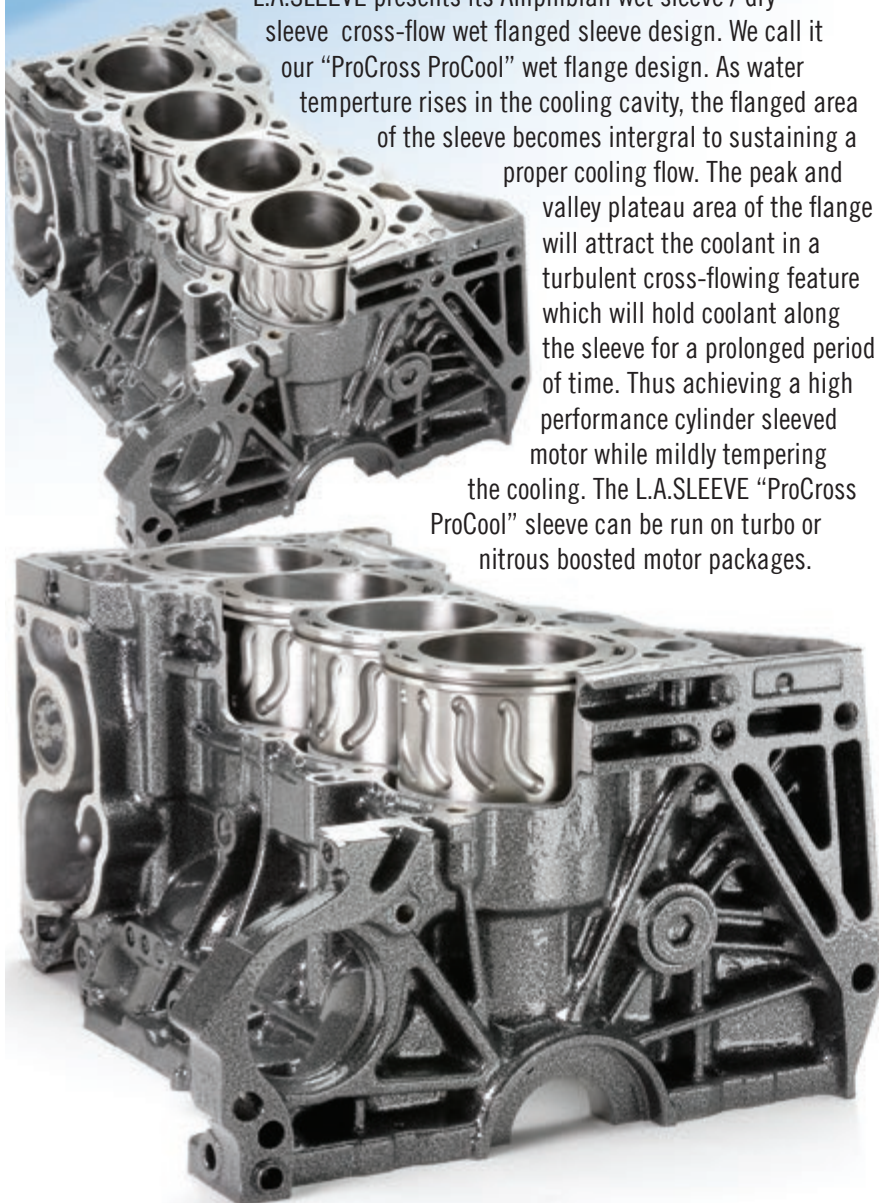
Installation Center Sleeve Installation Service

4, 6 or 8 Cylinder Blocks • Labor from \$500 to \$950 complete.

PROCROSS PROCOOL WET SLEEVE / DRY SLEEVE AMPHIBIOUS DESIGN



L.A.SLEEVE presents its Amphibian wet sleeve / dry sleeve cross-flow wet flanged sleeve design. We call it our "ProCross ProCool" wet flange design. As water temperature rises in the cooling cavity, the flanged area of the sleeve becomes integral to sustaining a proper cooling flow. The peak and valley plateau area of the flange will attract the coolant in a turbulent cross-flowing feature which will hold coolant along the sleeve for a prolonged period of time. Thus achieving a high performance cylinder sleeved motor while mildly tempering the cooling. The L.A.SLEEVE "ProCross ProCool" sleeve can be run on turbo or nitrous boosted motor packages.



Finally, you will not need a CNC machine to install our ProCross sleeve. Although these have a wet-sleeve upper flanged design, the lower portion of the sleeve is pressed into place as a dry sleeve design. Any machine shop can become a race engine or high performance street engine supplier. You can also learn more by visiting www.lasleeve.com or by calling our tech-line at 562-945-7578.

Moly2000 PERFORMANCE SLEEVES

The L.A.SLEEVE Performance sleeves are manufactured from centrifugally spun-cast ductile iron. The only American manufactured sleeve made in Moly2000 ductile, the finest available. Brinell hardness of 265 (98.7 Rockwell B) our material has greater density than any other sleeve competitor. Greater material density provides consistent grain flow micro-structure. Our centrifugal process involves patented procedures to control our desired graphite and matrix distribution throughout the sleeve. Moly2000 ductile is wear and shock resistant to ensure piston rings riding a stable bore surface, creating ring seal and compression boundaries. Metallurgical high carbon ferrous material properties of molybdenum, nickel, graphite nodules, copper, silicon and chromium provide ultimate load bearing ability. Continuous roundness, hardness and concentricity offers "no worry" parts to build the best cylinder sleeve a Drag Car or Street motor can run.



L.A.SLEEVE CO., INC.

12051 Rivera Rd., Santa Fe Springs, CA 90670
562-945-7578
www.lasleeve.com

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Photos courtesy of: **DART**
Race Sleeve Engineering
JG Engine
LSM Systems

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HOW TO ORDER A CUSTOM SLEEVE

Photocopy and FAX this custom sleeve form. Designate appropriate dimensions on the drawing and provide the information requested. L.A.SLEEVE will quote pricing and lead time by return FAX. Note that custom sleeve orders require a one-half deposit to initiate production.

CUSTOMER # _____ CONTACT _____ DATE _____
NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
PHONE _____ FAX _____

METHOD OF PAYMENT:

☐ MONEY ORDER
☐ MASTERCARD/VISA/DISCOVER
SELECT ☐ GROUND SERVICE

CARD NO. _____ EXP. _____
NAME ON CARD _____
BILLING ADDRESS _____
CITY _____ STATE _____ ZIP _____

RETURN UPS SHIPPING SERVICE:

☐ NEXT DAY AIR ☐ 2ND DAY AIR
☐ 3-DAY GROUND

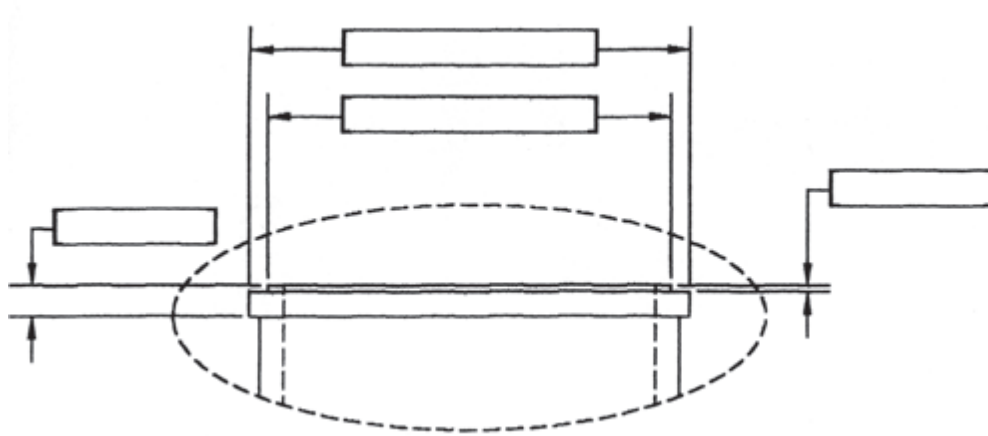
SHIP TO:

L.A.SLEEVE CYLINDER DEPT.
12051 RIVERA RD.
SANTA FE SPRINGS, CA 90670
or FAX No.: 562-698-7029

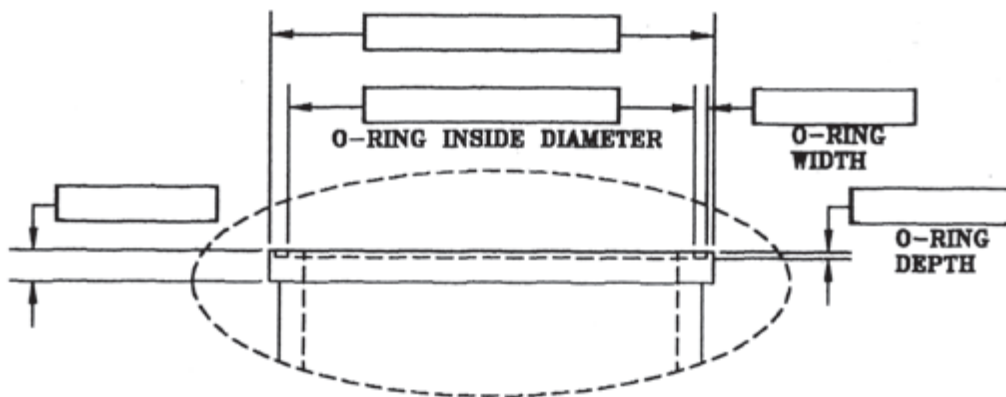
QUANTITY _____

The diagram shows a vertical cylinder with several horizontal dimension lines and input boxes. The top section is labeled 'FINISH BORE SIZE'. To the right of the cylinder, there are three input boxes with vertical dimension lines indicating different heights or lengths. The bottom section of the cylinder has a dashed line indicating an internal feature.

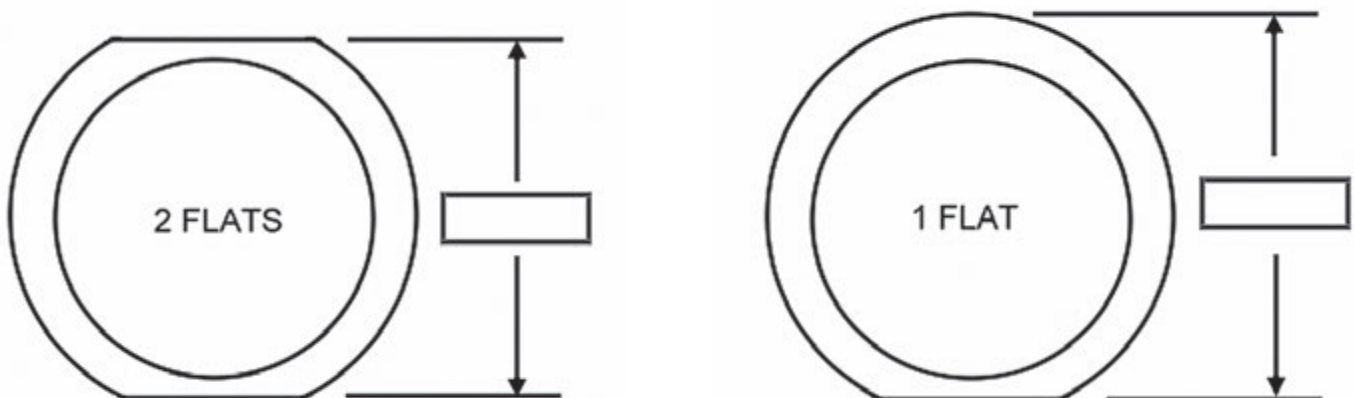
CUSTOM SLEEVES



SPIGOT / FIRE RING



O-RING TYPE SLEEVE (IF APPLICABLE)



FLAT DIMENSIONS



AUDI™

PART NUMBER	BORE	APPLICATION
AUDI-42DF / SF	84.50MM DRY TYPE FLANGE SLEEVE	S4 V-8 4.2L DOUBLE / SINGLE FLATS
AUDI-RS42DF / SF	84.50MM DRY TYPE FLANGE SLEEVE	RS-4 V-6 2.7L DOUBLE / SINGLE FLATS

BMW™

PART NUMBER	BORE	APPLICATION
BMW-2.8LBB	84-84.5MM DRY TYPE FLANGED SLEEVE	1996-01 2.8L M52 INLINE 6
BMW-44SF / DF	92-94MM DRY TYPE FLANGED SLEEVE	1994-05 M62 740i V-8 SINGLE / DOUBLE FLATS
BMW-V10SF / DF	92-94MM DRY TYPE FLANGED SLEEVE	2005-10 S85/M5 5.0L V-10 SINGLE / DOUBLE FLATS
BMW-V12	84-86MM DRY TYPE FLANGED SLEEVE	1988-96 M70/S70 V-12
BMW-S62DF	94MM DRY TYPE FLANGED SLEEVE	S-62 4.9L V-8 DOUBLE FLATS
BMW-S62SF	94MM DRY TYPE FLANGED SLEEVE	S-62 4.9L V-8 SINGLE FLAT
FL-3336DF	92MM DRY TYPE FLANGED SLEEVE	S-65 4.0L V-8 DOUBLE FLATS
FL-3336SF	92MM DRY TYPE FLANGED SLEEVE	S-65 4.0L V-8 SINGLE FLAT

BRODIX™ & RODECK™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3259	3.995	4.272	4.481	0.188	5.535	SBC 4"
FL-3260	3.995	4.3	4.481	0.188	5.535	SBC O/S
FL-3261	3.995	4.315	4.481	0.188	5.535	SBC O/S
FL-3262	4.115	4.272	4.481	0.188	5.535	SBC 4-1/8"
FL-3263	4.115	4.3	4.481	0.188	5.535	SBC 4-1/8" O/S
FL-3264	4.115	4.315	4.481	0.188	5.535	SBC 4-1/8" O/S
FL-3265	4.115	4.3	4.481	0.188	6.035	SBC 4-1/8" TALL DECK
FL-3266	4.115	4.32	4.481	0.188	6.035	SBC 4-1/8" TALL DECK O/S
FL-3164	4.449	4.636	4.995	0.252	6.35	BIG BLOCK

CUMMINS DIESEL™

PART NUMBER	BORE	APPLICATION
CUMMINS-59L	4.016" ID (102mm), STRAIGHT WALL DRY TYPE SLEEVE	1998-02 5.9L INLINE 6
CUMMINS-59FLG	4.016" ID (102mm), DRY TYPE FLANGED SLEEVE	1998-02 5.9L INLINE 6

DART™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3301DF	4.115	4.300	4.500	.200	6.100	CHEVY 9.800 DECK
FL-3302DF	4.115	4.300	4.500	.200	5.925	CHEVY 9.325 DECK
FL-3303DF	4.115	4.300	4.500	.200	5.625	CHEVY 9.025 DECK
FL-3304DF	3.990	4.300	4.500	.200	6.100	CHEVY 9.800 DECK
FL-3305DF	4.115	4.300	4.500	.200	5.575	FORD 9.200 DECK
FL-3306DF	4.115	4.300	4.500	.200	5.850	FORD 9.800 DECK
FL-3307DF	3.990	4.300	4.500	.200	5.850	FORD 9.800 DECK
FL-3308DF	3.990	4.300	4.500	.200	5.575	FORD 9.200 DECK
FL-3309DF	3.990	4.300	4.500	.200	5.650	FORD 8.700 DECK

DODGE VIPER™

PART NUMBER	BORE	APPLICATION
FL-3210	4.030" ID (102.4mm), WET TYPE FLANGED REPLACEMENT SLEEVE	1992-95 GEN I RT10 V-10 8.0L
VIPER-2	4.000" ID (101.6mm), DRY TYPE FLANGED REPLACEMENT SLEEVE	1992-95 GEN I RT10 V-10 8.0L
VIPER-3	4.030" ID (102.4mm), DRY TYPE FLANGED SLEEVE RS 4.167" SLV O.D.	1996-02 GEN II RT10/GTS V-10 8.0L
VIPER-4220	4.030" ID (102.4mm), DRY TYPE FLANGED SLEEVE RS 4.220" SLV O.D.	2003-06 GEN III SRT10 V-10 8.3L
FL3357SF / DF	87.50-91mm PROCROSS PROCOOL CLOSED DECK	DODGE CALIBER SINGLE/DOUBLE FLATS



562-945-7578

DONOVAN™ REPAIR SLEEVES

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3267	3.990	4.272	4.371	.190	5.575	SBC 4"
FL-3268	3.990	4.300	4.371	.190	5.575	SBC 4" O/S
FL-3269	4.110	4.272	4.371	.190	5.575	SBC 4"
FL-3270	4.110	4.300	4.371	.190	5.575	SBC 4" O/S
FL-3310	4.115	4.272	4.371	.189	6.070	SBC 4 1/8" TALL DECK
FL-3271	4.485	4.702	4.896	.188	6.300	700
FL-3272	4.485	4.731	4.896	.188	7.690	700 TD
FL-3273	4.485	4.750	4.896	.188	7.690	700 TD O/S

FORD™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3242	3.425	3.643	3.776	.300	5.480	DURATEC™
FL-3243	3.660	3.822	4.040	.160	5.160	4.6L MODULAR
FL-3244	3.500	3.793	3.935	.285	5.255	4.6L MODULAR
LA-3820	3.500	3.820	STRAIGHT SLEEVE	STRAIGHT SLEEVE	5.250	4.6L MODULAR
LA-3821	3.660	3.821	STRAIGHT SLEEVE	STRAIGHT SLEEVE	5.250	4.6L MODULAR
LA-3822	3.660	3.822	STRAIGHT SLEEVE	STRAIGHT SLEEVE	6.235	5.4L
FL-3245	3.970	4.251	4.500	.250	5.825	FORD351
FL-3246	3.970	4.300	4.500	.260	5.680	351 CLEVELAND
FL-3141	4.245	4.701	5.200	.324	6.250	429 SB
FL-3146	4.245	4.625	4.873	.324	6.350	8.3L
FL-3142	4.495	4.801	5.200	.324	6.250	429 SB
FL-3144	4.495	4.801	5.200	.324	7.150	8.3L TALL
FL-3143	4.370	4.801	5.200	.324	7.150	8.3L TALL
FL-3247	4.360	4.801	5.200	.325	8.00	AR FORD 4.801 O.D.
FL-3248	4.490	4.801	5.200	.325	8.00	AR FORD 4.801 O.D.
FL-3249	4.360	4.820	5.200	.325	8.00	AR FORD 4.020
FL-3286	4.115	4.251	4.500	.250	5.890	SVO
FL-3328DF / SF	89mm TO 96mm		DRY TYPE FLANGED SLEEVE			1996-13' 3.0L DURATEC V-6 DOUBLE / SINGLE FLATS
FL-3358SF/DF	87.5mm TO 90mm		AMPHIBIAN PROCROSS PROCOOL FLANGED SLEEVE			2.3L ECOBOOST V-6 SINGLE / DOUBLE FLATS
FL3358CDSF / DF	87.5mm TO 90mm		AMPHIBIAN PROCROSS PROCOOL CLOSED DECK			2.3L ECOBOOST V-6 SINGLE / DOUBLE FLATS
FORD-302IB	4.030		DRY TYPE FLANGED SLEEVE			2010-13 BOSS302 IRONBLOCK
FORD-3880			DRY TYPE FLANGED SLEEVE			2003-16 6.0L DIESEL
FORD-3940	3.740		STRAIGHT WALL DRY TYPE SLEEVE			2003-12 6.0L VT365
FORD-3940FLG	3.740		DRY TYPE FLANGED SLEEVE			2003-16 6.0L DIESEL
FORD-60L	3.860		STRAIGHT WALL DRY TYPE SLEEVE			2008-13 6.4L POWERSTROKE
FORD-64FLG	3.860		DRY TYPE FLANGED SLEEVE			2008-13 6.4L POWERSTROKE
L-85D	3.660 SEMI		STRAIGHT WALL DRY TYPE SLEEVE			COYOTE 5.0L
L-005D	3.610 SEMI		STRAIGHT WALL DRY TYPE SLEEVE			COYOTE 5.0L
FORD-54ibDF / SF	95.50-98mm		DRY TYPE FLANGED SLEEVE			5.4L CAST IRON BLOCK DOUBLE / SINGLE FLATS
FL-3353SF / DF	3.530 SEMI		DRY TYPE FLANGED SLEEVE			3.7L V-6 MUSTANG SINGLE / DOUBLE FLATS
FORD-46DF	3.610 SEMI		DRY TYPE FLANGED SLEEVE			COYOTE 5.0L DOUBLE FLATS
FORD-46SF	3.610 SEMI		DRY TYPE FLANGED SLEEVE			COYOTE 5.0L SINGLE FLAT
FORD-54DF	3.700		DRY TYPE FLANGED SLEEVE			FORD 5.4L DOUBLE FLATS
FORD-54SF	3.700		DRY TYPE FLANGED SLEEVE			FORD 5.4L SINGLE FLAT

GENERAL MOTORS™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3189	3.875	4.255	4.395	.125	5.525	LS1 STD BORE TO 4.125
FL-3188	4.050	4.255	4.395	.125	5.525	LS1 4.060 TO 4.125
FL-3235	3.875	4.185	4.325	.290	5.585	LS1, LS6 STD REPLACEMENT
FL-3236	4.050	4.277	4.420	.255	5.745	LS2 4.060 TO 4.155 BORE
FL-3237	4.115	4.272	4.380	.230	5.550	BOWTIE SBC™
FL-3238	4.115	4.300	4.380	.230	5.550	BOWTIE SBC OVERSIZE OD
FL-3133D	3.970	4.200	4.390	.125	6.000	CHEVY 350™

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GENERAL MOTORS™ (CONTINUED)

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3135D	3.970	4.254	4.500	.200	6.000	CHEVY 350
FL-3137D	4.090	4.315	4.440	.125	7.750	CHEVY 400
FL-3138D	4.090	4.375	4.500	.125	6.750	CHEVY 400
FL-3139D	4.210	4.500	4.625	.200	6.750	CHEVY 427 / 454
FL-3317DF	4.100	4.303	4.560	.200	5.875	LS-7 OEM Replacement Double Flats
FL-3287DF	3.970	4.325	4.575	.215	5.800	LS2/LS7 4" BORE DOUBLE FLATS
FL-3287SF	3.970	4.325	4.575	.215	5.800	LS2/LS7 4" BORE SINGLE FLAT
FL-3288DF	4.100	4.325	4.575	.215	5.800	LS7 4 1/8" BORE DOUBLE FLATS
FL-3288SF	4.100	4.325	4.575	.215	5.800	LS7 4 1/8" BORE SINGLE FLAT
FL-3318DF	4.115	4.2825	4.480	.222	6.034	C-5R BIG BLOCK DOUBLE FLATS
FL-3344	4.065	4.300	4.395	.260	5.680	6.2L LS-3 L94
FL-3232	4.000	4.240	4.323	.280	5.500	LS-2 RS SLEEVE
LA-40D	3.970	4.191	STRAIGHT SLEEVE		6.000	CHEVY 350
L-40D	3.970	4.254	STRAIGHT SLEEVE		6.000	CHEVY 350
L-41D	3.970	4.254	STRAIGHT SLEEVE		6.625	CHEVY SPECIAL OAL
L-64	4.470	4.754	STRAIGHT SLEEVE		7.750	BIG BLOCK
FL-3239	4.480	4.702	4.896	.187	6.300	BIG BLOCK FLANGED
FL-3240	4.480	4.730	4.896	.187	7.680	BIG BLOCK FLANGED
LA-51D	4.090	4.315	STRAIGHT SLEEVE		6.312	CHEVY 400
L-51D	4.090	4.379	STRAIGHT SLEEVE		6.312	CHEVY 400
LA-53D	4.220	4.441	STRAIGHT SLEEVE		7.000	CHEVY 427 / 454
L-53D	4.220	4.504	STRAIGHT SLEEVE		7.000	CHEVY 427 / 454
FL-3144	4.490	4.801	5.200	.324	7.150	BIG BLOCK FLANGED
FL-3312	3.464	3.583	3.760	.175	5.580	2006 ECOTEC STD. BORE REPLACEMENT 2.4L
FL-3241SF	3.375	3.570	3.825	.200	5.625	ECOTEC™ SINGLE FLAT (NOT FOR SOLCTICE)
FL-3241DF	3.375	3.570	3.825	.200	5.625	ECOTEC™ DOUBLE FLATS (NOT FOR SOLCTICE)
FL-3179	4.225	4.550	4.660	.295	6.240	ZL-1 CORVETTE™
FL-3233	3.995	4.305	4.500	.200	6.000	6.5L HUMMER REPAIR SLEEVE
FL-3231	4.245	4.443	4.750	.235	6.305	1969 ZL-1 CORVETTE™
FL-3331	86MM	DRY TYPE FLANGED SLEEVE			2004-07 LSJ 2.0L/2.2L INLINE 4	
ECOTEC-20DF	86MM	WET TYPE PROCROSS PROCOOL FLANGED SLEEVE			2004-07 LSJ 2.0L/2.2L INLINE 4 DOUBLE FLATS	
ECOTEC-20SF	86MM	WET TYPE PROCROSS PROCOOL FLANGED SLEEVE			2004-07 LSJ 2.0L/2.2L INLINE 4 SINGLE FLAT	
ECOTEC-24SF	88MM	WET TYPE PROCROSS PROCOOL FLANGED SLEEVE			2006-09 LE5 2.4L INLINE 4 SINGLE FLAT	
ECOTEC-24DF	88MM	WET TYPE PROCROSS PROCOOL FLANGED SLEEVE			2006-09 LE5 2.4L INLINE 4 DOUBLE FLATS	
SATURN-19DF	82mm	WET TYPE PROCROSS PROCOOL CLOSED DECK SLEEVE			1991-02 LK0/L24 1.9L INLINE 4 DOUBLE FLATS	
SATURN-19SF	82mm	WET TYPE PROCROSS PROCOOL CLOSED DECK SLEEVE			1991-02 LK0/L24 1.9L INLINE 4 SINGLE FLAT	
L-41D	4.060"	STRAIGHT WALL DRY TYPE SLEEVE			2001-13 6.6L V-8 DURAMAXX	
DURAMAX-6.6L	4.060"	DRY TYPE FLANGED SLEEVE			2001-13 6.6L V-8 DURAMAXX	

HONDA™ / ACURA™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3356	73mm-74mm	DRY TYPE FLANGED SLEEVE			ALL YEARS 1.5L FIT	
FL-3356SF / DF	73mm-77mm	AMPHIBIAN PROCROSS PROCOOL FLANGED SLEEVE			1.5L FIT SINGLE / DOUBLE FLATS	
FL-3356CDSF / DF	73mm-77mm	AMPHIBIAN PROCROSS PROCOOL CLOSED DECK			1.5L FIT SINGLE / DOUBLE FLATS	
FL-3216DF	2.900	3.250	3.600	2.00	5.275	D16 DOUBLE FLATS
FL-3216SF	2.900	3.250	3.600	2.00	5.275	D16 SINGLE FLAT
FL-3315	3.150	3.475	3.580	.375	5.250	B16
FL-3316DF / SF	3.150	3.500	3.800	2.00	5.200	B16 DOUBLE / SINGLE FLATS
FL-3386DF	3.150	3.500	3.800	2.00	5.400	B18 DOUBLE FLATS
FL-3386SF	3.150	3.500	3.800	2.00	5.400	B18 SINGLE FLAT
FL-3349	3.150	3.450	3.540	.250	5.450	B18 SMALL FLANGE SLEEVE
LAS-3500	3.150	3.500	STRAIGHT SLEEVE		5.500	B18
FL-3295	3.370	3.645	3.745	.125	5.500	H22/H23/F22 1992-95'

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562-945-7578

HONDA™ / ACURA™ (CONTINUED)

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3229SF / DF	3.350	3.655	4.100	2.00	5.500	1996-07' 2.2 / 2.3L SINGLE / DOUBLE FLATS
FL-3313SF	3.370	3.850	4.400	.750	5.300	NSX 86MM TO 93MM SINGLE FLAT
FL-3313DF	3.370	3.850	4.400	.750	5.300	NSX 86MM TO 93MM DOUBLE FLAT
FL-3314SF	3.370	3.850	4.000	.750	5.300	NSX 86MM TO 93MM SINGLE FLAT
FL-3314DF	3.370	3.850	4.000	.750	5.300	NSX 86MM TO 93MM DOUBLE FLAT
FL-3289	3.650	3.825	3.936	.375	4.900	NSX 93MM SHORT DECK
FL-3290	3.530	3.725	3.936	.375	5.300	3.2L V-6 90MM TALL DECK
FL-3291	3.650	3.825	3.936	.375	5.300	3.5 V-6 93MM TALL DECK
FL-3297SF	3.275	3.475	3.800	2.00	5.400	B-20 84MM TO 86.50MM
FL-3297DF	3.275	3.475	3.800	2.00	5.400	B-20 84MM TO 86.50MM
FL-3298SF	3.375	3.650	4.200	2.00	5.800	F20 SINGLE FLAT
FL-3298DF	3.375	3.650	4.200	2.00	5.800	F20 DOUBLE FLAT
FL-3299SF	3.375	3.650	4.200	2.00	5.225	K20 SINGLE FLAT
FL-3299DF	3.375	3.650	4.200	2.00	5.225	K20 DOUBLE FLAT
FL-3300SF	3.375	3.650	4.200	2.00	5.900	K24 SINGLE FLAT
FL-3300DF	3.375	3.650	4.200	2.00	5.900	K24 DOUBLE FLAT
FL-3323DF	89-90mm	3.790	4.200	1.750	5.450	J32A / J35 3.2L / 3.5L V-6
FL-3323SF	89-90mm	3.790	4.200	1.750	5.450	J32A / J35 3.2L / 3.5L V-6
FL-3333SF	81-86.5mm	DRY TYPE PROCROSS PROCOOL CLOSED DECK				B16/B18 SINGLE FLAT
FL-3333DF	81-86.5 mm	DRY TYPE PROCROSS PROCOOL CLOSED DECK				B16/B18 DOUBLE FLATS
FL-3334SF	87-90mm	DRY TYPE PROCROSS PROCOOL CLOSED DECK				K24 SINGLE FLAT
FL-3334DF	87-90mm	DRY TYPE PROCROSS PROCOOL CLOSED DECK				K24 DOUBLE FLATS
FL-3335DF/SF	86-90mm	DRY TYPE PROCROSS PROCOOL CLOSED DECK				K20 SINGLE/DOUBLE FLAT

HYUNDAI™

PART NUMBER	BORE	FLANGE DIAMETER	FLANGE THICKNESS	APPLICATION
FL-3355		DRY TYPE FLANGED SLEEVE		2014-16' GENESIS 3.6L V-8
FL-3355SF / DF	96mm-99.5mm	AMPHIBIAN TYPE PROCROSS PROCOOL FLANGED SLEEVE		2014-16' GENESIS 3.6L V-8 SINGLE / DOUBLE FLATS
FL-3355CDF / DF	96mm-99.5mm	AMPHIBIAN PROCROSS PROCOOL CLOSED DECK		2014-16' GENESIS 3.6L V-8 SINGLE / DOUBLE FLATS

KEITH BLACK™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
KB1	4.250	4.635	4.995	.252	6.860	STAGE 5, 6, 7, 8, 10
KB2	4.187	4.635	4.995	.252	6.860	STAGE 5, 6, 7, 8, 10
KB3	4.187	4.535	4.995	.252	6.860	STAGE 5, 6, 7, 8, 10
KB5	4.187	4.535	4.995	.252	6.960	STAGE 5, 6, 7, 8, 10 TALL DECK
FL-3311	4.187	4.535	4.995	.252	6.860	STAGE 15
FL-3292	4.310	4.635	4.995	.252	6.860	DRY SLEEVE
FL-3293	4.310	4.635	4.995	.252	7.360	DRY SLEEVE TALL DECK
FL-3294	4.310	4.700	4.995	.252	7.360	DRY SLEEVE TALL DECK

LAMBORGHINI™

PART NUMBER	BORE	APPLICATION
FL-3342SF	82.50mm	DRY TYPE FLANGED SLEEVE
FL-3342DF	82.50mm	DRY TYPE FLANGED SLEEVE
FL-3343SF	84.50mm	DRY TYPE FLANGED SLEEVE
FL-3343DF	84.50mm	DRY TYPE FLANGED SLEEVE
FL-3337	87.00mm	DRY TYPE FLANGED SLEEVE
		V-10 5.0L GALLARDO SINGLE FLAT
		V-10 5.0L GALLARDO DOUBLE FLATS
		V-10 5.2L GALLARDO SINGLE FLAT
		V-10 5.2L GALLARDO DOUBLE FLATS
		DIABLO 5.7L

LAND ROVER / DISCOVERY™

PART NUMBER	BORE	APPLICATION
ROVER1	94mm	DRY TYPE FLANGED REPAIR SLV
FL-3332	80mm	FACTORY REPLACEMENT SLEEVE
		3.9 / 4.0 / 4.6L V-8
		2.5L FREELANDER

562-945-7578

LEXUS™

PART NUMBER	BORE	APPLICATION
FL-3227	91.06mm FACTORY REPLACEMENT SLV	SC400 32 VALVE-DOHC V-8 IUZFE
FL-3281	87.53mm FACTORY REPLACEMENT SLV	GS430 2000-05 V-8 3UZFE

MAZDA™

PART NUMBER	BORE	APPLICATION
FL-3338DF	DRY TYPE FLANGED SLEEVE	2.3L MZR INLINE 4 DOUBLE FLATS
FL-3338SF	DRY TYPE FLANGED SLEEVE	2.3L MZR INLINE 4 SINGLE FLAT

MERCEDES™

PART NUMBER	BORE	APPLICATION
MERCEDES-55DF/SF	98MM DRY TYPE FLANGED SLEEVE	5.5L V-8 AMG

MERLIN™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3253SF / DF	4.240	4.731	4.896	.188	6.175	SINGLE / DOUBLE FLATS
FL-3254SF / DF	4.370	4.731	4.896	.188	7.475	SINGLE / DOUBLE FLATS
FL-3255SF / DF	4.490	4.731	4.896	.188	6.175	SINGLE / DOUBLE FLATS
FL-3256SF / DF	4.490	4.731	4.896	.188	6.575	SINGLE / DOUBLE FLATS
FL-3257SF	4.490	4.731	4.896	.188	6.975	10.600 DECK SINGLE FLAT
FL-3257DF	4.490	4.731	4.896	.188	6.975	10.600 DECK DOUBLE FLATS
FL-3258SF	4.490	4.731	4.896	.188	7.475	11.100 DECK SINGLE FLAT
FL-3258DF	4.490	4.731	4.896	.188	7.475	11.100 DECK DOUBLE FLATS

MINI COOPER™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
MINI-3187	77mm DRY TYPE FLANGED SLEEVE	3.187	3.300	.200	5.330	MINI COOPER ALUMINUM BLOCK 1.6L INLINE 4
MINI-3310	78mm DRY TYPE FLANGED SLEEVE	3.310	3.500	.175	5.150	MINI COOPER ALUMINUM BLOCK INLINE 4
FL-3350	77mm DRY TYPE FLANGED SLEEVE	3.220	3.350	.350	5.330	1.6L INLINE 4 JQA ALUM BLOCK

MITSUBISHI™

PART NUMBER	BORE	APPLICATION
FL-3320SF	86-90mm DRY TYPE FLANGED SLEEVE	2.0L 4B11T EVO-X 2010-16 SINGLE FLAT
FL-3320DF	86-90mm DRY TYPE FLANGED SLEEVE	2.0L 4B11T EVO-X 2010-16 DOUBLE FLAT
FL-3320SF	86-90mm DRY TYPE FLANGED SLEEVE	2.0L 4B11T EVO-X 2010-16 SINGLE FLAT
FL-3320CDSF	86-90mm PROCROSS PROCOOL CLOSED DECK	2.0L 4B11T EVO-X 2010-2016 SINGLE FLAT
FL-3320CDDF	86-90mm PROCROSS PROCOOL CLOSED DECK	2.0L 4B11T EVO-X 2010-2016 DOUBLE FLATS

MOPAR™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3250	3.990	4.210	4.540	.188	5.545	SMALL BLOCK
FL-3251	4.095	4.301	4.540	.188	5.545	SMALL BLOCK
FL-3252	4.095	4.311	4.540	.188	5.545	TALL DECK

NISSAN™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3275	3.375	3.715	3.820	.160	5.340	SR20
FL-3276	3.410	3.712	3.820	.170	5.340	SR20
FL-3283SF	3.347	3.642	3.858	.175	4.600	RB26 SINGLE FLAT
FL-3283DF	3.347	3.642	3.858	.175	4.600	RB26 DOUBLE FLAT
FL-3339	95.50-98mm					3.5L VQ35 2001-13 V-6
FL-3340SF	95.50-98mm					3.5L VQ35 SINGLE FLAT
FL-3340DF	95.50-98mm					3.5L VQ35 DOUBLE FLATS
FL-3341	95.50-98mm					3.8L VR38 GTR V-6
FL-3354	95.50mm					3.7L VQ37 V-6 2008-15

L.A. SLEEVE CO.



PORSCHE™

PART NUMBER	BORE	APPLICATION
P-911	90mm DRY TYPE FLANGED SLEEVE	911 AIR COOLED 6 CYLINDER
P-911BB	95mm BIG BORE FLANGED SLEEVE	911 AIR COOLED 6 CYLINDER
P-911BB2	101mm BIG BORE FLANGED SLEEVE	911 AIR COOLED 6 CYLINDER
P-911BB4	104mm BIG BORE FLANGED SLEEVE	911 AIR COOLED 6 CYLINDER
P-996	96mm DRY TYPE FLANGED SLEEVE	3.4L/3.6L 996 BOXSTER
P-996H	96mm PROCROSS PROCOOL SLEEVE	3.4L/3.6L 996 BOXSTER
P-996B2	99mm BIG BORE FLANGED SLEEVE	3.4L/3.6L 996 BOXSTER
FL-3209	100mm DRY TYPE FLANGED SLEEVE	944 MOTOR
FL-3217	100mm WET TYPE REPLACEMENT SLEEVE	996TT
FL-3217B	102mm BIG BORE WET TYPE REPLACEMENT SLEEVE	996TT
FL-3284	85.39mm DRY TYPE REPLACEMENT SLEEVE	2.5L MOTOR
FL-3321H	96mm PROCROSS PROCOOL SLEEVE	3.4L/3.6L 996/997
FL-3321	99mm DRY TYPE FLANGED SLEEVE	3.8L 996/997
FL-3321B	99mm PROCROSS PROCOOL SLEEVE	3.8L 996/997
FL-3351	99mm DRY TYPE FLANGE SLEEVE	Cayenne V-8
FL-3360	85.5mm to 89mm DRY TYPE FLANGED SLEEVE	2.5L – 2.7L 996 6-CYL BOXSTER
FL-3360H	85.5mm to 89mm AMPHIBIAN PROCROSS PROCOOL FLANGED SLEEVE	2.5L – 2.7L 996 6-CYL BOXSTER

SUBARU™

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3277	3.625	4.202	4.400	.375	4.800	EJ20 / EJ25
FL-3278	3.910	4.253	4.495	.375	4.800	EJ25 100 mm to 102 mm
FL-3285SF	3.622	3.800	4.260	2.400	5.125	TRIBECA SVX 94-96 mm SINGLE FLAT
FL-3285DF	3.622	3.800	4.260	2.400	5.125	TRIBECA SVX 94-96 mm DOUBLE FLAT
SUBYEJ20	92 -99.50mm	4.100	WET TYPE FLANGED SLEEVE PROCROSS PROCOOL CLOSED DECK			2.0L 4 CYLINDER
SUBYEJ25	99.50-102mm	4.250	WET TYPE FLANGED SLEEVE PROCROSS PROCOOL CLOSED DECK			2.5L 4 CYLINDER
SUBYEJ25NP	99.50-102mm	4.250	WET TYPE FLANGED SLEEVE PROCROSS PROCOOL CLOSED DECK			2.5L 4 CYLINDER NO PIN HOLE FOR STROKER
FL-3345SF	86mm		PROCROSS PROCOOL CLOSED DECK			2.0L BR-Z Single Flat
FL-3345			PROCROSS PROCOOL WET TYPE SLEEVE			2.0L BR-Z

SCION™

PART NUMBER	BORE	APPLICATION
FL-3345SF	PROCROSS PROCOOL CLOSED DECK	2.0L FRS Single Flat
FL-3345	PROCROSS PROCOOL WET TYPE SLEEVE	2.0L FRS

TOYOTA™

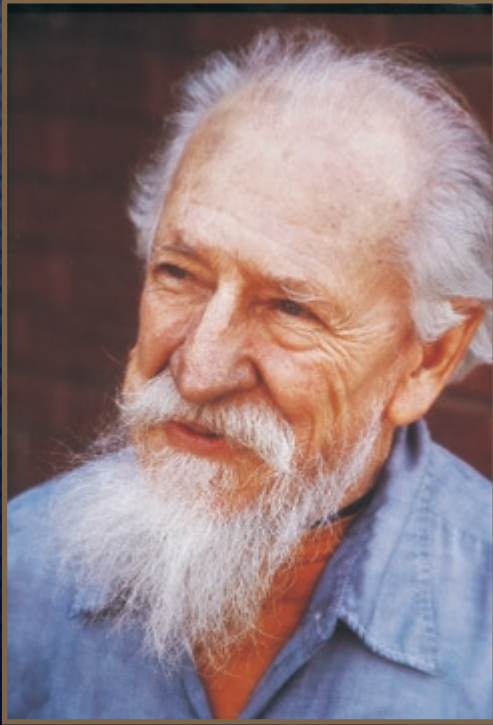
PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
FL-3279	3.100	3.382	3.530	.295	5.400	1ZZ BORE TO 82.50 MM
FL-3280	3.210	3.382	3.530	.295	5.200	2ZZ BORE TO 82.50 MM
FL-3351SF	94-99.50mm		DRY TYPE FLANGED SLEEVE			5.7L V-8 3UR-FE SINGLE FLAT
FL-3351DF	94-99.50mm		DRY TYPE FLANGED SLEEVE			5.7L V-8 3UR-FE DOUBLE FLATS

TFX™ T/F & T/A

PART NUMBER	BORE	O.D.	FLANGE DIAMETER	FLANGE THICKNESS	LENGTH	APPLICATION
TFX1	4.187	4.550	4.995	.254	6.800	TFX / BAE
TFX4	4.250	4.610	4.995	.254	6.800	TFX / BAE
TFX9	4.187	4.610	4.995	.254	6.800	TFX / BAE
TFX15	4.187	4.449	4.995	.254	6.800	TFX/BAE "LIGHTWEIGHT SLEEVE"
TFX11	4.375	4.610	4.995	.254	6.300	TFX / BAE
TFX16	4.4675	4.667	4.998	.400	6.800	BAE
TFX17	4.4675	4.666	4.995	.400	6.300	BAE SHORT DECK



70 Years Of Quality, Service, Technology...



L.A.SLEEVE CO. founded in 1945 by family patriarch, Nicholas W. Metchkoff,

L.A.SLEEVE CO. has been producing centrifugally spun-cast chrome-moly iron alloy cylinder sleeves for all engine repair markets. Currently **L.A.SLEEVE CO.** manufactures cylinder sleeves for the watercraft, motorcycle, snowmobile, atv, marine, and automotive markets. A family owned business for three generations, **L.A.SLEEVE CO.** provides its customer with expertise in engineering, sleeve design and installation.

L.A.SLEEVE CO. distributes a complete line of engine hard parts. Rebuilders can use our "One-Stop Shop" to purchase parts from Pro-X and Wiseco pistons to lubricants, connecting rods, bearings, and even thrust washers. **L.A.SLEEVE CO.** is the North American supplier of Pro-X pistons, connecting rods and various OEM replacements parts. We are the source for a vast array of OEM components. The West Coast's leading distributor for Wiseco forged pistons for nearly two decades, **L.A.SLEEVE CO.** features a fully stocked warehouse of all of Wiseco's products. With over 1,000 two-stroke and four stroke cylinder sleeve part numbers covering models thirty years old or more, **L.A.SLEEVE CO.** provides today's racers and vintage rebuilders alike, cylinder sleeves to save worn cylinders. Most cylinder sleeve models are still produced and stocked on the shelf in our 35,000 square foot warehouse and manufacturing facility. All sleeves are manufactured in Santa Fe Springs, California.

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UNIVERSAL AUTOMOTIVE PROGRESSIVE SIZE LIST

L.A. SLEEVE

CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		5/32" Wall		SLEEVE LENGTH
MM	IN	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
34.93mm	1.375"			LA-106	1.562"	L-106	1.625"			4.500"
36.5mm	1.437"			LA-107	1.625"	L-107	1.687"			4.500"
38.1mm	1.500"			LA-108	1.687"	L-108	1.750"			4.500"
39.67mm	1.562"			LA-109	1.750"	L-109	1.812"			4.500"
41.27mm	1.625"			LA-110	1.812"	L-110	1.875"			6.500"
42.85mm	1.687"			LA-111	1.875"	L-111	1.937"			6.500"
44.45mm	1.750"			LA-112	1.937"	L-112	2.000"			6.500"
46.02mm	1.812"			LA-113	2.000"	L-113	2.062"			6.500"
47.62mm	1.875"			LA-114	2.062"	L-114	2.125"			6.500"
49.2mm	1.937"			LA-115	2.125"	L-115	2.187"			6.500"
50.8mm	2.000"			LA-200	2.187"	L-200	2.250"			6.250"
52.37mm	2.062"			LA-201	2.250"	L-201	2.312"			6.250"
53.97mm	2.125"			LA-202	2.312"	L-202	2.375"			6.250"
55.55mm	2.187"			LA-203	2.375"	L-203	2.437"			6.250"
57.15mm	2.250"			LA-204	2.437"	L-204	2.500"			6.250"
58.72mm	2.312"			LA-205	2.500"	L-205	2.562"			6.250"
60mm	2.362"	T-228	2.478"	LA-228	2.549"	L-228	2.612"			4.527"
60.33mm	2.375"	C-32	2.500"	CA-32	2.562"	CL-32	2.625"			4.500"
60.33mm	2.375"	T-206A	2.500"	LA-206A	2.562"	L-206A	2.625"			6.000"
60.33mm	2.375"			LA-206	2.562"	L-206	2.625"			6.250"
61.9mm	2.437"	T-207F	2.562"	LA-207F	2.625"	L-207F	2.687"			4.330"
61.9mm	2.437"			LA-207	2.625"	L-207	2.687"			6.250"
62.92mm	2.477"	T-230	2.606"	LA-230	2.665"	L-230	2.727"			5.156"
63.5mm	2.500"	C-41B	2.625"	CA-41B	2.687"	CL-41B	2.750"			4.500"
63.5mm	2.500"	T-208A	2.625"	LA-208A	2.687"	L-208A	2.750"			6.000"
63.5mm	2.500"			LA-208	2.687"	L-208	2.750"			6.250"
64mm	2.519"	T-296	2.644"	LA-296	2.706"	L-296	2.769"			6.500"
64.6mm	2.542"	T-232	2.667"	LA-232	2.729"	L-232	2.792"			5.280"
65.1mm	2.562"	T-209F	2.687"	LA-209F	2.750"	L-209F	2.812"			4.409"
65.1mm	2.562"	C-42B	2.687"	CA-42B	2.750"	CL-42B	2.812"			4.375"
65.1mm	2.562"	C-43	2.687"	CA-43	2.750"	CL-43	2.812"			4.500"
65.1mm	2.562"	T-209	2.687"	LA-209	2.750"	L-209	2.812"			6.250"
66.5mm	2.618"	T-29	2.750"	LA-29	2.812"	L-29	2.875"			6.250"
66.68mm	2.625"	C-45B	2.750"	CA-45B	2.812"	CL-45B	2.875"			4.500"
66.68mm	2.625"			LA-210	2.812"	L-210	2.875"			6.250"
68mm	2.677"	T-238	2.812"	LA-238	2.875"	L-238	2.937"			5.250"
68mm	2.677"	T-238F	2.812"	LA-238F	2.875"	L-238F	2.937"			5.826"
68mm	2.677"	T-238M	2.812"	LA-238M	2.875"	L-238M	2.937"			6.500"
68.25mm	2.687"			LA-211	2.875"	L-211	2.937"			8.250"
69.289mm	2.727"	T-274	2.852"	LA-274	2.915"	L-274	2.978"			5.312"
69.5mm	2.736"	T-274V	2.852"	LA-274V	2.915"	L-274V	2.978"			6.500"
69.85mm	2.750"	T-177	2.875"	LA-177	2.937"	L-177	3.000"			5.875"
69.85mm	2.750"			LA-212	2.937"	L-212	3.000"			8.250"
70mm	2.755"	T-212M	2.875"	LA-212M	2.937"	L-212M	3.000"			6.500"
70mm	2.755"	T-212C	2.875"	LA-212C	2.937"	L-212C	3.000"			7.000"
70.6mm	2.780"	T-243	2.905"	LA-243	2.967"	L-243	3.030"			5.562"
70.6mm	2.780"	T-243G	2.905"	LA-243G	2.967"	L-243G	3.030"			6.500"
71mm	2.795"	T-291A	2.920"	LA-291A	2.982"	L-291A	3.045"			6.000"
71.42mm	2.812"			LA-213	3.000"	L-213	3.062"			8.250"
72mm	2.834"	T-56Z	2.959"	LA-56Z	3.022"	L-56Z	3.085"			4.730"
72mm	2.834"	T-56F	2.959"	LA-56F	3.022"	L-56F	3.085"			5.812"

CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		5/32" Wall		SLEEVE LENGTH
MM	IN	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
72mm	2.834"	T-56	2.959"	LA-56	3.022"	L-56	3.085"			6.250"
73mm	2.875"	T-81	3.000"	LA-81	3.062"	L-81	3.125"			4.625"
73mm	2.875"	T-214F	3.000"	LA-214F	3.062"	L-214F	3.125"			5.250"
73mm	2.875"	T-214A	3.000"	LA-214A	3.062"	L-214A	3.125"			6.000"
73mm	2.875"	T-214B	3.000"	LA-214B	3.062"	L-214B	3.125"			6.500"
73mm	2.875"			LA-214	3.062"	L-214	3.125"			8.250"
73.647mm	2.899"	T-275	3.025"	LA-275	3.087"	L-275	3.150"			5.312"
73.647mm	2.899"	T-275T	3.025"	LA-275T	3.087"	L-275T	3.150"			6.250"
74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"			6.500"
74.6mm	2.937"	T-215T	3.062"	LA-215T	3.125"	L-215T	3.187"			5.750"
74.6mm	2.937"	T-215K	3.062"	LA-215K	3.125"	L-215K	3.187"			6.500"
74.6mm	2.937"			LA-215	3.125"	L-215	3.187"			8.250"
75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"			6.250"
75mm	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"			6.500"
75.4mm	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"			6.500"
76.2mm	3.000"	T-31C	3.125"	LA-31C	3.187"	L-31C	3.250"			6.000"
76.2mm	3.000"	T-31	3.125"	LA-31	3.187"	L-31	3.250"			6.375"
76.2mm	3.000"	T-30	3.125"	LA-30	3.187"	L-30	3.250"			7.500"
76.2mm	3.000"			LA-300	3.187"	L-300	3.250"			8.250"
76.5mm	3.011"	T-277	3.125"	LA-277	3.187"	L-277	3.250"			6.500"
77mm	3.031"	T-860	3.156"	LA-860	3.218"	L-860	3.281"			6.125"
77.77mm	3.062"			LA-301	3.250"	L-301	3.312"			8.250"
78mm	3.070"	T-602	3.187"	LA-602	3.250"	L-602	3.312"			6.500"
78.48mm	3.090"			LA-674	3.253"					6.505"
78.48mm	3.090"			LA-673	3.263"					6.505"
79mm	3.110"	T-253	3.235"	LA-253	3.298"	L-253	3.360"			6.000"
79.38mm	3.125"	T-706V	3.250"	LA-706V	3.312"	L-706V	3.375"			5.937"
79.38mm	3.125"	T-706A	3.250"	LA-706A	3.312"	L-706A	3.375"			6.875"
79.38mm	3.125"	T-706	3.250"	LA-706	3.312"	L-706	3.375"			8.125"
79.38mm	3.125"			LA-302	3.312"	L-302	3.375"			9.250"
79.6mm	3.136"	T-278	3.250"	LA-278	3.312"	L-278	3.375"			6.500"
80mm	3.150"	T-254F	3.275"	LA-254F	3.337"	L-254F	3.399"			5.625"
80mm	3.150"	T-298	3.275"	LA-298	3.337"	L-298	3.399"			5.937"
80mm	3.150"	T-89	3.275"	LA-89	3.337"	L-89	3.399"			6.000"
80mm	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.399"			6.500"
80.25mm	3.159"	T-280	3.275"	LA-280	3.337"	L-280	3.399"			6.062"
80.25mm	3.159"	T-255	3.275"	LA-255	3.337"	L-255	3.399"			6.250"
80.5mm	3.169"	T-361	3.295"	LA-361	3.357"	L-361	3.420"			6.500"
81mm	3.187"	T-603C	3.312"	LA-603C	3.375"	L-603C	3.437"			5.937"
81mm	3.187"	T-603A	3.312"	LA-603A	3.375"	L-603A	3.437"			6.000"
81mm	3.187"	T-603	3.312"	LA-603	3.375"	L-603	3.437"			6.500"
81mm	3.187"	T-33	3.312"	LA-33	3.375"	L-33	3.437"			7.500"
81mm	3.187"			LA-303	3.375"	L-303	3.437"			9.250"
81.5mm	3.208"	T-256	3.333"	LA-256	3.395"	L-256	3.458"			6.000"
81.5mm	3.208"	T-279	3.333"	LA-279	3.395"	L-279	3.458"			6.500"
82mm	3.228"	T-002	3.353"	LA-002	3.415"	L-002	3.478"			6.000"
82.55mm	3.250"	T-34B	3.375"	LA-34B	3.437"	L-34B	3.500"			5.500"
82.55mm	3.250"	T-34A	3.375"	LA-34A	3.437"	L-34A	3.500"			6.500"
82.55mm	3.250"	T-34	3.375"	LA-34	3.437"	L-34	3.500"			7.250"
82.55mm	3.250"	T-605	3.375"	LA-605	3.437"	L-605	3.500"			8.125"
82.55mm	3.250"			LA-304	3.437"	L-304	3.500"			9.250"

UNIVERSAL AUTOMOTIVE PROGRESSIVE SIZE LIST

L.A. SLEEVE

CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		5/32" Wall		SLEEVE LENGTH
MM	IN	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"			6.500"
83mm	3.267"	T-259	3.392"	LA-259	3.454"	L-259	3.517"			7.250"
83.3mm	3.279"	T-260	3.407"	LA-260	3.468"	L-260	3.530"			6.500"
83.8mm	3.300"			LA-606	3.487"	L-606	3.550"			8.250"
84mm	3.307"	T-281F	3.437"	LA-281F	3.500"	L-281F	3.562"			5.625"
84mm	3.307"	T-281	3.437"	LA-281	3.500"	L-281	3.562"			6.500"
84.1mm	3.312"	T-607V	3.437"	LA-607V	3.500"	L-607V	3.562"			5.937"
84.1mm	3.312"	T-607C	3.437"	LA-607C	3.500"	L-607C	3.562"			6.625"
84.1mm	3.312"	T-607	3.437"	LA-607	3.500"	L-607	3.562"			7.500"
84.1mm	3.312"			LA-35	3.500"	L-35	3.562"			8.000"
84.1mm	3.312"			LA-305	3.500"	L-305	3.562"			9.250"
84.91mm	3.343"			LA-62	3.531"	L-62	3.593"			7.500"
85mm	3.346"	T-270	3.471"	LA-270	3.533"	L-270	3.596"			6.187"
85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"			6.500"
85.73mm	3.375"	T-70T	3.500"	LA-70T	3.562"	L-70T	3.625"			5.750"
85.73mm	3.375"			LA-71	3.562"	L-71	3.625"			6.000"
85.73mm	3.375"	T-70D	3.500"	LA-70D	3.562"	L-70D	3.625"			6.500"
85.73mm	3.375"	T-70	3.500"	LA-70	3.562"	L-70	3.625"			7.375"
85.73mm	3.375"			LA-700	3.562"	L-700	3.625"			8.125"
85.73mm	3.375"			LA-306	3.562"	L-306	3.625"			9.250"
86mm	3.386"	T-286	3.516"	LA-286	3.578"	L-286	3.641"			5.250"
86.3mm	3.400"	T-59A	3.525"	LA-59A	3.587"	L-59A	3.650"			6.000"
86.3mm	3.400"	T-59B	3.525"	LA-59B	3.587"	L-59B	3.650"			6.250"
86.3mm	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"			7.000"
87mm	3.425"	T-265C	3.562"	LA-265C	3.625"	L-265C	3.687"			6.125"
87mm	3.425"	T-265	3.562"	LA-265	3.625"	L-265	3.687"			7.125"
87.3mm	3.437"	T-38Z	3.562"							5.750"
87.3mm	3.437"	T-38	3.562"	LA-38	3.625"	L-38	3.687"			6.000"
87.3mm	3.437"	T-703	3.562"	LA-703	3.625"	L-703	3.687"			7.500"
87.3mm	3.437"			LA-701	3.625"	L-701	3.687"			8.125"
87.3mm	3.437"			LA-307	3.625"	L-307	3.687"			9.250"
87.3mm	3.437"			LA-307L	3.625"					10.000"
88mm	3.465"	T-272	3.590"	LA-272	3.642"	L-272	3.715"			6.000"
88mm	3.465"	T-272V	3.590"	LA-272V	3.642"	L-272V	3.715"			6.500"
88.5mm	3.484"	T-362	3.615"	LA-362	3.673"	L-362	3.735"			6.500"
88.9mm	3.500"	T-20A	3.625"	LA-20A	3.687"	L-20A	3.750"			5.312"
88.9mm	3.500"	T-708A	3.625"	LA-708A	3.687"	L-708A	3.750"			5.500"
88.9mm	3.500"	T-20	3.625"	LA-20	3.687"	L-20	3.750"			6.000"
88.9mm	3.500"	T-708	3.625"	LA-708	3.687"	L-708	3.750"			6.750"
88.9mm	3.500"	T-608	3.625"	LA-608	3.687"	L-608	3.750"			7.125"
88.9mm	3.500"	T-710	3.625"	LA-710	3.687"	L-710	3.750"			8.250"
88.9mm	3.500"			LA-308	3.687"	L-308	3.750"			9.250"
90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"			6.500"
90mm	3.543"	T-273T	3.668"	LA-273T	3.730"	L-273T	3.793"			7.000"
90.2mm	3.552"			LA-372	3.740"	L-372	3.802"			6.500"
90.47mm	3.562"	T-21A	3.687"	LA-21A	3.750"	L-21A	3.812"			6.000"
90.47mm	3.562"			LA-21	3.750"	L-21	3.812"			6.687"
90.47mm	3.562"	T-608A	3.687"	LA-608A	3.750"	L-608A	3.812"			7.250"
90.47mm	3.562"			LA-704	3.750"	L-704	3.812"			7.500"
90.47mm	3.562"			LA-26	3.750"	L-26	3.812"			7.750"
90.47mm	3.562"			LA-74	3.750"	L-74	3.812"			8.000"

CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		5/32" Wall		SLEEVE LENGTH
MM	IN	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
90.47mm	3.562"			LA-309	3.750"	L-309	3.812"			9.250"
90.93mm	3.580"	T-82	3.705"	LA-82	3.767"	L-82	3.830"			5.375"
91mm	3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"			6.250"
92.1mm	3.625"	T-24	3.750"	LA-24	3.812"	L-24	3.875"			6.000"
92.1mm	3.625"	T-23	3.750"	LA-23	3.812"	L-23	3.875"			6.687"
92.1mm	3.625"	T-23C	3.750"	LA-23C	3.812"	L-23C	3.875"			8.000"
92.1mm	3.625"			LA-310	3.812"	L-310	3.875"	HD-310	3.937"	10.250"
92.2mm	3.630"	T-268	3.765"	LA-268	3.817"	L-268	3.880"			7.000"
92.6mm	3.646"	T-861	3.771"	LA-861	3.833"	L-861	3.895"			
93mm	3.661"			LA-85	3.848"	L-85	3.911"			6.500"
93mm	3.661"	T-359	3.786"	LA-359	3.848"	L-359	3.911"			7.000"
93.25mm	3.671"			LA-88	3.859"	L-88	3.922"			5.500"
93.65mm	3.687"	T-37A	3.812"	LA-37A	3.875"	L-37A	3.937"			5.125"
93.65mm	3.687"	T-37	3.812"	LA-37	3.875"	L-37	3.937"			6.625"
93.65mm	3.687"			LA-76	3.875"	L-76	3.937"			7.625"
93.65mm	3.687"			LA-311	3.875"	L-311	3.937"			10.250"
94mm	3.700"			LA-37D	3.887"	L-37D	3.950"			6.375"
94.44mm	3.718"			LA-27A	3.906"	L-27A	3.969"			6.250"
94.44mm	3.718"			LA-27	3.906"	L-27	3.969"			7.750"
94.9mm	3.736"			LA-87	3.922"	L-87	3.984"			6.375"
95.25mm	3.750"			LA-39A	3.937"	L-39A	4.000"			6.000"
95.25mm	3.750"			LA-39B	3.937"	L-39B	4.000"			6.125"
95.25mm	3.750"			LA-39	3.937"	L-39	4.000"			6.437"
95.25mm	3.750"			LA-44	3.937"	L-44	4.000"			7.250"
95.25mm	3.750"			LA-75	3.937"	L-75	4.000"			7.500"
95.25mm	3.750"			LA-312	3.937"	L-312	4.000"	HD-312	4.062"	10.250"
96.04mm	3.781"	T-28A	3.906"	LA-28A	3.968"	L-28A	4.031"			6.000"
96.04mm	3.781"			LA-28	3.968"	L-28	4.031"			7.750"
96.52mm	3.800"			LA-25B	3.987"	L-25B	4.050"			5.125"
96.52mm	3.800"			LA-25A	3.987"	L-25A	4.050"			6.062"
96.52mm	3.800"			LA-25	3.987"	L-25	4.050"			6.875"
96.82mm	3.812"			LA-43	4.000"	L-43	4.062"			6.625"
96.82mm	3.812"			LA-42	4.000"	L-42	4.062"			6.875"
96.82mm	3.812"			LA-77	4.000"	L-77	4.062"			7.625"
96.82mm	3.812"			LA-77A	4.000"	L-77A	4.062"			8.750"
96.82mm	3.812"			LA-313	4.000"	L-313	4.062"			10.250"
98.42mm	3.875"			LA-68	4.062"	L-68	4.125"			6.000"
98.42mm	3.875"			LA-69	4.062"	L-69	4.125"			6.375"
98.42mm	3.875"			LA-78	4.062"	L-78	4.125"			6.500"
98.42mm	3.875"			LA-707A	4.062"	L-707A	4.125"			6.750"
98.42mm	3.875"			LA-707	4.062"	L-707	4.125"			7.000"
98.42mm	3.875"			LA-702	4.062"	L-702	4.125"			7.125"
98.42mm	3.875"			LA-609	4.062"	L-609	4.125"			7.500"
98.42mm	3.875"			LA-314	4.062"	L-314	4.125"	HD-314	4.187"	10.250"
99mm	3.897"			LA-90A	4.087"	L-90A	4.150"			6.500"
99mm	3.897"			LA-90	4.087"	L-90	4.150"			7.000"
99.3mm	3.910"			LA-55	4.097"	L-55	4.160"			6.062"
100mm	3.937"			LA-47	4.125"	L-47	4.187"			6.250"
100mm	3.937"			LA-45	4.125"	L-45	4.187"			6.562"
100mm	3.937"			LA-46	4.125"	L-46	4.187"			6.875"
100mm	3.937"			LA-46G	4.125"	L-46G	4.187"			7.875"

UNIVERSAL AUTOMOTIVE PROGRESSIVE SIZE LIST

L.A. SLEEVE

CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		5/32" Wall		SLEEVE LENGTH
MM	IN	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
100mm	3.937"			LA-315	4.125"	L-315	4.187"			10.250"
100.3mm	3.950"			LA-006	3.137"	L-006	4.200"			6.875"
100.8mm	3.970"			LA-86	4.156"	L-86	4.218"			6.375"
101mm	3.976"			LA-862	4.163"	L-862	4.226"			6.562"
101.6mm	4.000"			LA-40B	4.187"	L-40B	4.250"			5.125"
101.6mm	4.000"	T-40	4.125"	LA-40	4.187"	L-40	4.250"			6.000"
101.6mm	4.000"			LA-40A	4.187"	L-40A	4.250"			6.250"
101.6mm	4.000"			LA-41	4.187"	L-41	4.250"			6.625"
101.6mm	4.000"			LA-49	4.187"	L-49	4.250"	HD-49	4.312"	6.875"
101.6mm	4.000"			LA-48	4.187"	L-48	4.250"			7.875"
101.6mm	4.000"			LA-400	4.187"	L-400	4.250"	HD-400	4.312"	10.250"
101.6mm	4.000"			LA-400L	4.187"	L-400L	4.250"			10.750"
102mm	4.016"	T-670	4.118"	LA-670	4.180"	L-670	4.270"			7.875"
102.4mm	4.031"			LA-72	4.218"	L-72	4.281"			7.000"
102.6mm	4.040"			LA-60	4.234"	L-60	4.297"			6.375"
103.2mm	4.062"			LA-50	4.250"	L-50	4.312"	HD-50	4.375"	6.250"
103.2mm	4.062"			LA-50B	4.250"	L-50B	4.312"			6.750"
103.2mm	4.062"			LA-401	4.250"	L-401	4.312"			10.250"
103.6mm	4.080"			LA-705	4.281"	L-705	4.343"			7.000"
104mm	4.094"			LA-36	4.281"	L-36	4.343"			6.062"
104mm	4.094"			LA-36G	4.281"	L-36G	4.343"			6.250"
104mm	4.094"			LA-61	4.281"	L-61	4.343"			6.375"
104.4mm	4.110"			LA-007	4.297"	L-007	4.360"			8.750"
104.7mm	4.125"			LA-51	4.312"	L-51	4.375"			6.312"
104.7mm	4.125"			LA-52A	4.312"	L-52A	4.375"			6.625"
104.7mm	4.125"			LA-52B	4.312"	L-52B	4.375"			6.750"
104.7mm	4.125"			LA-52	4.312"	L-52	4.375"	HD-52	4.437"	7.250"
104.7mm	4.125"			LA-52C	4.312"	L-52C	4.375"			7.500"
104.7mm	4.125"			LA-67	4.312"	L-67	4.375"			7.750"
104.7mm	4.125"			LA-402	4.312"	L-402	4.375"	HD-402	4.437"	10.250"
105mm	4.134"			LA-671	4.323"	L-671	4.386"			7.750"
105mm	4.134"	T-3163	4.240"							8.000"
105.4mm	4.150"			LA-79	4.337"	L-79	4.400"			6.250"
105.8mm	4.165"			LA-80	4.375"	L-80	4.437"			6.750"
106.3mm	4.187"			LA-57	4.375"	L-57	4.437"			7.000"
106.3mm	4.187"			LA-403	4.375"	L-403	4.437"			10.250"
106.7mm	4.200"	T-7120	4.325"	LA-7120	4.388"					8.000"
107mm	4.214"	T-3196	4.340"							8.000"
107.2mm	4.220"	T-7110	4.345"	LA-7110	4.408"	L-7110	4.470"			8.000"
107.5mm	4.234"			LA-22	4.422"	L-22	4.484"			6.250"
108mm	4.250"			LA-53A	4.437"	L-53A	4.500"			6.250"
108mm	4.250"			LA-53	4.437"	L-53	4.500"	HD-53	4.562"	6.625"
108mm	4.250"			LA-53B	4.437"	L-53B	4.500"			6.875"
108mm	4.250"			LA-63G	4.437"	L-63G	4.500"			7.000"
108mm	4.250"			LA-63	4.437"	L-63	4.500"			7.625"
108mm	4.250"			LA-63B	4.437"	L-63B	4.500"			7.760"
108mm	4.250"			LA-404	4.437"	L-404	4.500"	HD-404	4.562"	10.250"
109.2mm	4.300"			LA-54B	4.487"	L-54B	4.550"			7.000"
109.2mm	4.300"			LA-54	4.487"	L-54	4.550"			7.562"
109.5mm	4.312"			LA-58	4.500"	L-58	4.562"			7.250"
109.5mm	4.312"			LA-405	4.500"	L-405	4.562"			10.250"

CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		5/32" Wall		SLEEVE LENGTH
MM	IN	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
109.7mm	4.320"			LA-65	4.500"	L-65	4.562"			6.750"
110mm	4.330"			LA-672	4.523"	L-672	4.585"			7.750"
110.3mm	4.342"			LA-83	4.530"	L-83	4.592"			6.250"
110.7mm	4.359"			LA-73	4.547"	L-73	4.609"			6.875"
111.1mm	4.375"			LA-66	4.562"	L-66	4.625"			7.562"
111.1mm	4.375"			LA-406	4.562"	L-406	4.625"	HD-406	4.687"	10.250"
111.7mm	4.400"	T-406A	4.505"	LA-406A	4.562"	L-406A	4.625"			7.875"
111.7mm	4.400"	T-406B	4.505"	LA-406B	4.562"	L-406B	4.625"			8.750"
112.7mm	4.437"			LA-407	4.625"	L-407	4.687"			10.250"
113mm	4.450"	T-3197	4.575"							8.000"
114.3mm	4.500"			LA-64	4.687"	L-64	4.750"			7.750"
114.3mm	4.500"					L-642	4.774"			8.000"
114.3mm	4.500"					L-645	4.804"			7.875"
114.3mm	4.500"					L-650	4.875"			8.000"
114.3mm	4.500"					L-660	5.000"			8.000"
114.3mm	4.500"			LA-640	4.687"	L-640	4.750"			8.000"
114.3mm	4.500"			LA-408	4.687"	L-408	4.750"	HD-408	4.812"	10.250"
115.8mm	4.562"			LA-409G	4.750"	L-409G	4.812"			7.625"
115.8mm	4.562"			LA-409	4.750"	L-409	4.812"			10.250"
117.47mm	4.625"			LA-410	4.812"	L-410	4.875"	HD-410	4.937"	12.250"
119.05mm	4.687"			LA-411	4.875"	L-411	4.937"			12.250"
120.65mm	4.750"			LA-412	4.937"	L-412	5.000"	HD-412	5.062"	12.250"
123.8mm	4.875"			LA-414G	5.062"	L-414G	5.125"			7.625"
123.8mm	4.875"			LA-414	5.062"	L-414	5.125"	HD-414	5.187"	12.250"
127mm	5.000"			LA-500	5.187"	L-500	5.250"	HD-500	5.312"	12.250"
130.17mm	5.125"			LA-502	5.312"	L-502	5.375"	HD-502	5.437"	12.250"
133.35mm	5.250"			LA-504	5.437"	L-504	5.500"	HD-504	5.562"	12.250"
136.52mm	5.375"			LA-506	5.562"	L-506	5.625"			12.250"
139.7mm	5.500"			LA-508	5.687"	L-508	5.750"	HD-508	5.812"	12.250"
142.9mm	5.625"			LA-510	5.812"	L-510	5.875"	HD-510	5.937"	12.250"
146mm	5.750"			LA-512	5.937"	L-512	6.000"	HD-512	6.062"	12.250"
149.22mm	5.875"			LA-514	6.062"	L-514	6.125"	HD-514	6.187"	12.250"
152.4mm	6.000"			LA-600	6.187"	L-600	6.250"	HD-600	6.312"	12.250"
155.57mm	6.125"			LA-711AP	6.312"	L-711AP	6.375"	HD-711AP	6.437"	12.125"
158.75mm	6.250"			LA-712AP	6.437"	L-712AP	6.500"	HD-712AP	6.562"	12.125"
165.1mm	6.500"			LA-713AP	6.687"	L-713AP	6.750"	HD-713AP	6.812"	12.125"
171.4mm	6.750"			LA-714AP	6.937"	L-714AP	7.000"	HD-714AP	7.062"	13.000"
177.8mm	7.000"			LA-715AP	7.187"	L-715AP	7.250"	HD-715AP	7.312"	13.000"
190.5mm	7.500"			LA-716AP	7.687"	L-716AP	7.750"			13.000"
196.8mm	7.750"			LA-717AP	7.937"	L-717AP	8.000"			13.000"
200mm	7.875"			LA-719AP	8.062"	L-719AP	8.125"			11.312"
203.2mm	8.000"			LA-718AP	8.187"	L-718AP	8.250"			13.000"
206.4mm	8.125"			LA-720AP	8.312"	L-720AP	8.375"			13.000"
209.5mm	8.250"			LA-721AP	8.437"	L-721AP	8.500"			13.000"

ALL PURPOSE FLANGE SLEEVES
Truck - Compressor - Forklift - for Engines
not listed in Cut to Length Sleeves

SLEEVE INSIDE DIAMETER		PART NO.	O.D.	FLANGE O.D.	FLANGE THK.	SLEEVE LENGTH
MM	INCHES					
47mm	1.850"	FL-47	2.100"	2.225"	.200"	5.250"
48mm	1.890"	FL-48	2.140"	2.265"	.200"	5.250"
49mm	1.930"	FL-49	2.180"	2.305"	.200"	5.250"
50mm	1.968"	FL-50	2.220"	2.345"	.200"	5.250"
52mm	2.047"	FL-52	2.297"	2.422"	.200"	5.250"
54mm	2.125"	FL-54	2.375"	2.500"	.200"	5.250"
56mm	2.205"	FL-56	2.455"	2.580"	.200"	5.250"
58mm	2.283"	FL-58	2.530"	2.655"	.200"	6"
60mm	2.362"	FL-60	2.625"	2.750"	.200"	6"
62mm	2.441"	FL-62	2.690"	2.815"	.200"	6"
64mm	2.520"	FL-64	2.770"	2.895"	.200"	6"
65mm	2.559"	FL-65	2.810"	2.935"	.200"	6"
66mm	2.598"	FL-66	2.850"	2.975"	.200"	6"
67mm	2.637"	FL-67	2.890"	3.015"	.200"	6"
68mm	2.677"	FL-68	2.930"	3.055"	.200"	6"
70mm	2.755"	FL-70	3.005"	3.130"	.200"	6"
72mm	2.835"	FL-72	3.085"	3.210"	.200"	6"
73mm	2.874"	FL-73	3.125"	3.250"	.200"	6"
74mm	2.913"	FL-74	3.165"	3.290"	.200"	6"
75mm	2.952"	FL-75	3.200"	3.325"	.200"	6.500"
76mm	2.992"	FL-76	3.250"	3.375"	.200"	6.500"
78mm	3.070"	FL-78	3.320"	3.445"	.200"	6.500"
80mm	3.150"	FL-80	3.400"	3.525"	.200"	6.500"
82mm	3.228"	FL-82	3.480"	3.605"	.200"	6.500"
83mm	3.267"	FL-83	3.520"	3.645"	.200"	6.500"
84mm	3.307"	FL-84	3.560"	3.685"	.200"	6.500"
86mm	3.386"	FL-86	3.635"	3.760"	.200"	6.500"
88mm	3.464"	FL-88	3.715"	3.840"	.200"	6.500"
89mm	3.503"	FL-89	3.755"	3.880"	.200"	6.500"
101.6mm	4"	FL-3133D	4.200"	4.390"	.125"	6"
101.6mm	4"	FL-3135D	4.253"	4.500"	.200"	6"
104.8mm	4.125"	FL-3137D	4.315"	4.440"	.125"	6.750"
104.8mm	4.125"	FL-3138D	4.375"	4.500"	.125"	6.750"
108mm	4.250"	FL-3139D	4.500"	4.625"	.200"	6.750"
		Sleeve has bore stock to allow boring to cylinder I.D. listed				

CUT TO LENGTH SLEEVES TRUCK - TRACTOR - FORKLIFT

L.A. SLEEVE

Engine Model	Application	Size	Part No.
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ALLIS CHALMERS TRACTOR

Tractor	5-1/4" Flanged Replacement Sleeve		FL-3713
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CASE REPAIR RING

ALL REPAIR RINGS ARE SOLD IN PACKAGES OF 6

207	Upper repair ring blank	4.190" x 4.625" x .500"	NW4625-6
	Lower repair ring	4.225" x 4.400" x 1"	NW4400-6
	Lower repair ring	4.225" x 4.420" x 1"	NW4420-6
336	Upper repair ring blank	5.100" x 5.560" x .525"	CR5560-6
	Lower repair ring semi bore	5.000" x 5.187" x 1.200"	LAS5187-6
401	Upper repair ring blank	4.812" x 5.175" x .625"	CR5175-6
	Lower repair ring semi bore	4.620" x 4.815" x 1.200"	LAS4815-6
451	Upper repair ring blank	4.900" x 5.420" x .500"	LAS5420-6
	Lower repair ring	4.120" x 4.315" x 1.200"	LAS4315-6
504	Upper repair ring blank	5.100" x 5.560" x .525"	CR5560-6
	Lower repair ring semi bore	5.000" x 5.187" x 1.200"	LAS5187-6

Engine Model	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
		Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	

CATERPILLAR

3208, 3204	4-1/2"			LA-64	4-11/16"	L-64	4-3/4"	7-3/4"
3208, 3204	4-1/2"			LA-640	4-11/16"	L-640	4-3/4"	8"
3208, 3204	4-1/2"					L-642	4.774"	8"
3208, 3204	4-1/2"					L-645	4.804"	7-7/8"
3208, 3204	4-1/2"				3/16" Wall	L-650	4.875"	8"
3208, 3204	4-1/2"				1/4" Wall	L-660	5"	8"
3116	4.134"	Not recommended for Cracked Blocks		LA-671	4.323"	L-671	4.386"	7-3/4"
3116	4.134"	Flange Sleeve		LA-671FL	4.335"	Recommended for Cracked Blocks		7-7/8"
3126	4.330"	Not recommended for Cracked Blocks		LA-672	4.523"	L-672	4.585"	7-3/4"
3126	4.330"	Flange Sleeve		LA-672FL	4.530"	Recommended for Cracked Blocks		7-7/8"
C12, 11.9L Diesel 1996-03	130mm	Flanged Replacement	Sleeve Part No. FL-3214					

Engine Model	Application	Size	Part No.
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3406, 3408, 3412	Thread Insert Bushing		LAS8704
3400	Thread Insert Bushing	2-3/4" OAL	LAS8703

CATERPILLAR REPAIR RINGS

ALL REPAIR RINGS ARE SOLD IN PACKAGES OF 6

Caterpillar 3300	Upper repair ring blank spacer plate block	5.450" x 5.800" x .205"	CR5801-6
	Upper repair ring blank	5.450" x 5.800" x .653"	LAS5450-6
Caterpillar 3306	Upper repair ring blank	5.474" x 5.800" x .700"	NW5802-6
	Upper repair ring blank +.020	5.474" x 5.820" x .700"	NW5820S-6
	Upper repair ring blank +.020	5.474" x 5.820" x .720"	NW5821-6
	Upper repair ring blank		LAS8220-6
	Lower repair ring	5.200" x 5.442" x 1.375"	CR5442-6
	Lower repair ring +.020	5.200" x 5.462" x 1.375"	CR5462-6
	Lower repair ring +.065	5.235" x 5.505" x 1.250"	CR6505-6
	Spacer plate	5.472" x 5.820" x .360"	LAS5472-6
Caterpillar 3400	Upper repair ring	6.200" x 6.600" x .312"	NW6600-6
	Upper repair ring	6.230" x 6.665" x .205"	CR6665-6
	Upper repair ring	6.230" x 6.665" x .250"	CR6665L-6
	Upper repair ring	6.250" x 6.665" x .205"	CR6665F-6
	Upper repair ring	x 6.642" x .355"	CR6642-6
	Lower repair ring	6.020" x 6.255" x 1.625"	CR6253-6
Caterpillar 3406	Upper repair ring finish bore	6.259" x 6.632" x .350"	CR6640-6
	Upper repair ring finish bore +.010	6.259" x 6.642" x .350"	CR6641-6
	Upper repair ring finish bore +.020	6.259" x 6.652" x .350"	CR6642-6
	Upper repair ring finish bore +.050	6.259" x 6.682" x .350"	CR6645-6

Engine Model	Application	Size	Part No.
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CATERPILLAR REPAIR RINGS (Cont.)

Caterpillar V3412 Caterpillar 3400	Lower repair ring	6" x 6.220" O.D. x 1.300"	CR6220-6
	Lower repair ring +.010	6" x 6.230" O.D. x 1.300"	CR6230-6
	Lower repair ring +.020	6" x 6.240" O.D. x 1.300"	CR6240-6
	Lower repair ring Finish Bore	6.058" x 6.220" x 1.300"	CR6220F-6
	Lower repair ring Finish Bore +.010	6.058" x 6.230" x 1.300"	CR6230F-6
	Lower repair ring Finish Bore +.020	6.058" x 6.240" x 1.300"	CR6240F-6
Caterpillar 3500	Lower repair ring	7.600" x 7.789" x 1.420"	LAS7789-6
	Semi finish upper repair ring	7.800" x 8.358" x .302"	LAS8358-6
Caterpillar 343, Caterpillar 1693	Upper repair ring		LAS8230-6
	Upper repair ring +.010		LAS8231-6
	Upper repair ring +.020		LAS8232-6
Caterpillar 3500	Lower repair ring	6.080" x 6.255" x 1.625"	CR6254-6
	Lower repair ring	6.020" x 6.255" x 1.315"	CR6256-6
	Lower repair ring		
Caterpillar D-8	Upper repair ring blank	6.660" x 7.200" x .725"	NW7200-6
	Upper repair ring + .100	6.660" x 7.300" x .800"	NW7300-6
	Flanged upper repair ring blank	6.720" x 7.478" flange x .800"	FL7478-6
	Flanged upper blank oversize O.D.	6.720" x 7.775" x 1"	FL7775-6
Caterpillar D-9	Upper repair ring blank	7.170" x 7.750" x .700"	NW7750-6
	Upper repair ring + .100	7.170" x 7.850" x .800"	NW7850-6
	Flanged upper repair ring blank	7.220" x 7.995" flange x .800"	FL7995-6
	Flanged upper blank oversize O.D.	7.720" x 8.320" flange x .920"	FL8320-6
	Lower repair ring	7.070" x 7.240" x 1.750"	NW7240-6
Caterpillar D-9 H	Upper repair ring blank	7.170" x 7.750" x .312"	NW7750S-6

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	

CONTINENTAL

N-62		2-3/8"	T-206A	2-1/2"	LA-206A	2-9/16"	L-206A	2-5/8"	6"
Y-69		2-1/2"	T-208A	2-5/8"	LA-208A	2-11/16"	L-208A	2-3/4"	6"
Y-91		2-7/8"	T-214A	3"	LA-214A	3-1/16"	L-214A	3-1/8"	6"
T-112		3-3/16"	T-603A	3-5/16"	LA-603A	3-3/8"	L-603A	3-7/16"	6"
F-199		3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
F-4124, F-6186		3"	T-30	3-1/8"	LA-30	3-3/16"	L-30	3-1/4"	7-1/2"
F-4140		3-3/16"	T-33	3-5/16"	LA-33	3-3/8"	L-33	3-7/16"	7-1/2"
F-4162, F-163, F-245		3-7/16"	T-703	3-9/16"	LA-703	3-5/8"	L-703	3-11/16"	7-1/2"
D-6170		3-1/2"	T-710	3-5/8"	LA-710	3-11/16"	L-710	3-3/4"	8-1/4"
F-6209		3-3/16"	T-33	3-5/16"	LA-33	3-3/8"	L-33	3-7/16"	7-1/2"
F-6226, F-227		3-5/16"	T-607	3-7/16"	LA-607	3-1/2"	L-607	3-9/16"	7-9/16"
K-6271		3-5/8"	T-23C	3-3/4"	LA-23C	3-13/16"	L-23C	3-7/8"	8"
K-6290		3-3/4"			LA-75	3-15/16"	L-75	4"	7-1/2"
K-6330		4"			LA-400	4-3/16"	L-400	4-1/4"	10-1/4"
TM-13, TMD-13		3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
TM-20, TMD-20		3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
TMD-27, TMD-40		3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"

CONTINENTAL FLANGE TYPE SLEEVES

Z-129		3-3/8"	Replacement Sleeve FL-3181	6.940"
F20		3-3/4"	Replacement Sleeve FL-3152	9.082"
GB176		3.658"	Replacement Sleeve FL-3182	7-5/8"
ED208 Diesel	1955-63	3-11/16"	Replacement Sleeve FL-3201	8.550"
G193		3-3/4"	Replacement Sleeve FL-3119*	7-5/8"
G206		3-13/16"	Replacement Sleeve FL-3154	7-5/8"
E201		3-5/8"	Replacement Sleeve FL-3120	8-9/16"
E223		3-13/16"	Replacement Sleeve FL-3121	8-9/16"
E242		3-7/8"	Replacement Sleeve FL-3155	8-9/16"
JD403		4-5/8"	Replacement Sleeve FL-3122	11.468"
JD, J382A		4-1/2"	Replacement Sleeve FL-3174	11.468"

Available Oversize O.D. +.010, +.020, +.030 Allow 4 weeks for delivery.

CUT TO LENGTH SLEEVES TRUCK - TRACTOR - FORKLIFT

L.A. SLEEVE

Engine Model	Application	Size	Part No.						
CUMMINS REPAIR RING, CAM BUSHING, THREAD INSERTS									
ALL REPAIR RINGS ARE SOLD IN PACKAGES OF 6									
250, 335, 350 855, 5-1/2 NH, NTC Inline 6 cyl., V-12 5-1/2" Bore Motors	Upper finished counterbore	6.315" x 6.754"x .602"	LAS8000-6						
	Upper finished counterbore O.D. +.010 / +.010 OAL.	6.315" x 6.764"x .612"	LAS8010-6						
	Upper finished counterbore O.D. +.020 / +.020 OAL.	6.315" x 6.774"x .622"	LAS8020-6						
	Upper finished counterbore O.D. +.030 / +.030 OAL.	6.315" x 6.784"x .632"	LAS8030-6						
	Lower press fit finished counterbore	6.299" x 6.754" x .751"	LAS9040LPF-6						
	Lower press fit finished counterbore O.D. +.010 / +.010 OAL.	6.299" x 6.764" x .761"	LAS9041LPF-6						
	Lower press fit finished counterbore O.D. +.020 / +.020 OAL.	6.299" x 6.774" x .771"	LAS9042LPF-6						
	Lower press fit finished counterbore O.D. +.030 / +.030 OAL.	6.299" x 6.784" x .781"	LAS9043LPF-6						
	Upper repair ring blank	6.275" x 6.754" x .675"	NW6750-6						
	Upper repair ring blank +.020	6.275" x 6.774" x .675"	NW6770-6						
	Upper repair ring blank +.030	6.275" x 6.784" x .675"	NW6780-6						
	Lower repair ring finished bore	6.125" x 6.255" x 1.750"	LAS6255F-6						
	Lower repair ring finished bore +.010	6.125" x 6.265" x 1.750"	LAS6265F-6						
	Lower repair ring finished bore +.020	6.125" x 6.275" x 1.750"	LAS6275F-6						
	Lower repair ring semi-bore	6.070" x 6.250" x 1.750"	NW6250-6						
	Lower repair ring semi-bore +.005	6.070" x 6.255" x 1.750"	CR6255-6						
	Lower repair ring semi-bore +.015	6.070" x 6.265" x 1.750"	CR6265-6						
	Lower repair ring semi-bore +.020	6.070" x 6.270" x 1.750"	NW6270-6						
	Lower repair ring semi-bore +.030	6.070" x 6.280" x 1.750"	NW6280-6						
5-1/2 NH Big Cam	Cam Repair Bushing (#3 or #5 journal)	2.690" x 2.813" x 2.192"	LAS8627-6						
	Cam Repair Bushing (#3 or #5 journal) +.020 O.D.	2.690" x 2.835" x 2.192"	LAS86272-6						
	Cam Repair Bushing (#1, #2, #4, #6 or #7 journal)	2.690" x 2.813" x 1.690"	LAS8614-6						
	Cam Repair Bushing (#1, #2, #4, #6 or #7 journal) +.020 O.D.	2.690" x 2.835" x 1.690"	LAS86142-6						
5-1/8 NH, 5-1/2 NH	Cam Repair Bushing (intermediate)	2.132" x 2.252" x 1.687"	LAS8603-6						
	Cam Repair Bushing (intermediate) +.020 O.D.	2.132" x 2.272" x 1.687"	LAS86032-6						
	Cam Repair Bushing (front)	2.132" x 2.252" x 2.253"	LAS8604-6						
	Cam Repair Bushing (front) +.020 O.D.	2.132" x 2.272" x 2.253"	LAS86042-6						
5-1/2 NH, V12, 903	Thread Insert Bushing	2-2/32" OAL	LAS-8700						
		3-3/32" OAL	LAS-8705						
L10	Thread Insert Bushing	2" OAL	LAS-8710						
C Series	Thread Insert Bushing	2" OAL	LAS-8715						
903	Upper repair ring blank	6.170" x 6.625" x .675"	CR6625-6						
	Upper repair ring +.020	6.170" x 6.645" x .675"	CR6645-6						
V903	Lower repair ring	6.020" x 6.300" x 1.750"	CR6300-6						
	Lower repair ring	6.020" x 6.300" x 1.250"	CR6302-6						
Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
L-643TA		3.500"	T-708H	3-5/8"					6-5/8"
3.9L 4 cyl.		4.016"	T-670	4.118"	LA-670	4.180"	L-670	4.270"	7-7/8"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	

DETROIT DIESEL

ALL REPAIR RINGS ARE SOLD IN PACKAGES OF 6

8.2		4-1/4"			LA-63B	4-7/16"	L-63B	4-1/2"	7.760"
6-71, 8-71		4-1/4"			FL-155F*	REPLACEMENT SLEEVE			
71 Series upper ring		4-5/8"			FL01555A-6	4.830"	Flanged Sleeve		3-1/2"
8V71 Series upper ring		4-5/8"			RB058NW-6	4.830"	Flanged Sleeve		3-3/4"
71 Series upper ring	NEW	4-5/8"			LA410DD-6	4-13/16"			3-1/2"
71 Series upper ring	OLD	4-5/8"			LA410DR-6	4-13/16"			4"
671 Series upper ring		4-5/8"			LA410DL-6	4-13/16"			5-3/4"
92 Series lower repair ring		5.090"			CR5320-6	5.320"			3.625"
60 Series upper ring finish bore		5.875"			LAS8065-6	6.375"			.602"
60 Series upper ring finish bore +.010		5.875"			LAS8075-6	6.385"			.602"
60 Series upper ring finish bore +.020		5.875"			LAS8085-6	6.395"			.602"
60 Series upper ring finish bore +.030		5.875"			LAS8095-6	6.405"			.602"
60 Series lower ring semi bore		5.730"			LAS8066-6	5.935"			.990"
60 Series lower ring semi bore +.010		5.730"			LAS8076-6	5.945"			.990"
60 Series lower ring semi bore +.020		5.730"			LAS8086-6	5.9055"			.990"
60 Series lower ring finish bore		5.758"			LAS8066F-6	5.935"			1.000"
60 Series lower ring finish bore +.020		5.758"			LAS8086F-6	5.955"			1.000"

FORD TRACTOR

99A-6055		3-3/16"	FL-118	3.271"	Flanged Sleeve				
8N-6005-B		3-3/16"			FL-120	3.3695"	Flanged Sleeve		7.000"
Tractor 3 cyl		4.200"	T-7120	4.325"	LA-7120	4.388"			8.000"
Ford Lehman 6 cyl		4.220"	T-7110	4.345"	LA-7110	4.408"	L-7110	4.470"	8.000"
D7NN-6005-A		4.400"	FL-121	4.505"	Flanged Sleeve				8.200"
6.6 L		4.400"	T-406A	4.505"	LA-406A	4-9/16"	L-406A	4-5/8"	7.875"
7.8 L		4.400"	T-406B	4.505"	LA-406B	4-9/16"	L-406B	4-5/8"	8-3/4"

Engine Model	Application	Size	Part No.
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DETROIT DIESEL THREAD REPAIR BUSHINGS

60 Series	Thread Repair Bushing	2-9/16" OAL"	LAS-8707
71 Series	Thread Repair Bushing	2-7/16" OAL"	LAS-8708
92 Series 8V92 6, 8, 12, 16 Cylinder	Thread Repair Bushing	2.210" OAL"	LAS-8709

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
				O.D.		O.D.		O.D.	
INTERNATIONAL									
537	1977-81	4-5/8"			LA-410	4-13/16"	L-410	4-7/8"	10-1/4"
549	1956-63	4-1/2"			LA-640	4-11/16"	L-640	4-3/4"	8"
551		4-1/2"			LA-408	4-11/16"	L-408	4-3/4"	10-1/4"
6.9 Litre		4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
7.3 Litre		4.110"			LA-52B	4-5/16"	L-52B	4-3/8"	6-3/4"

INTERNATIONAL FLANGE TYPE SLEEVES

IHC FBB298	Mid 30s	3-3/4"			FL-3165	4.250"			8.420"
7.3 4 Cyl. Diesel		4.110"					FL-3159	4.450"	6-3/4"
D-281		4.125"	*FL-3125	4.248"					10.354"
D-361, DT-361 (Farmall 806-D)		4.125"			*FL-3124	4.313"			8.600"
RD-361		4-1/8"					FL-149	4.500"	8.625"
C-264 (Super M Farmall)	1953	4-1/8"	Flanged Replacement Sleeve Part No.				FL-3215		10-1/8"
RD-450	1952-71	4-3/8"	*FL-150	4.500"	*FL-151	4.5625"	FL-152	4.625"	8.687"
D-407, DT-407		4.321"	*FL-153	4.470"					8.687"
IH-284 (Mazda Engine)	1971-81	70mm	Flanged Replacement Sleeve Part No.				FL-3198	3.150"	5.200"
UD-554		4-5/8"	Flanged Replacement Sleeve Part No.				FL-3200	4.750"	11.755"

*Available overside O.D. +.010, +.020, +.030, +.040 Allow 4 weeks delivery.

ISUZU TRUCK

4 Cyl. Diesel, 3.9 L		4.020"	FL-3163	4.136"	Flanged Replacement Sleeve				8.050"
6 Cyl. NPR		4.135"	T-3163	4.240"	Block Repair Sleeve				8.000"
4.8 L 4HE1-TC 4 Cyl. Turbo Diesel	1999-03	4.333"	Flanged Replacement Sleeve Part No.				FL-3221		

Engine Model	Application				Size			Part No.
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JOHN DEERE

ALL REPAIR RINGS ARE SOLD IN PACKAGES OF 6

466	Upper repair ring semi-bore				5.000" x 5.437" x .600"			CR5437-6
6619	Upper repair ring semi-bore				5.715" x 6.125" x .750"			CR6125-6
164, 219, 329	Lower press fit				4.375" x 4.675" x .750"			LAS4675-6
219, 276, 329	Upper repair ring semi-bore				4.625" x 5.062" x .500"			LAS5062-6

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
KUBOTA									
ZB6000C, Diesel semi bore replacement part		72mm	T-56Z	2.959"	LA-56Z	3.022"	L-56Z	3.085"	4.730"
V2203, Diesel		87mm	T-38Z	3.562"					5-3/4"
B6000-Z600		70mm	Flanged Replacement Sleeve Part No.				FL-3199		5.545"
NAVISTAR TRUCKS									
5.7 L, 345	1966-81	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
6.7L, 408 Wet	1993-96	4.301"	Flanged Replacement Sleeve Part No.				FL-3194		

CUT TO LENGTH SLEEVES TRUCK - TRACTOR - FORKLIFT

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
DODGE TRUCKS									
105, 1.7 L	1978-83	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
122, 2.0 L	1974-82	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
135, 2.2 L	1981-95	3.445"			LA-38	3-5/8"	L-38	3-11/16"	6"
143, 2.4 L	1986-96	3.406"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
153, 2.5 L	1986-95	3.425"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
156, 2.6 L	1978-89	3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6.25"
170	1960-71	3.400"	T-59A	3.525"	LA-59A	3.587"	L-59A	3.650"	6"
181, 3.0 L	1986-00	3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
198	1970-74	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
201, 3.3 L	1990-00	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
218	1934-54	3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
225, 3.7 L	1960-87	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
230	1946-60	3-1/4"			LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
236	1949-53	3-7/16"			LA-701	3-5/8"	L-701	3-11/16"	8-1/8"
237	1942-51	3-7/16"			LA-701	3-5/8"	L-701	3-11/16"	8-1/8"
238, 3.9 L	1986-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
251	1949-68	3-7/16"			LA-701	3-5/8"	L-701	3-11/16"	8-1/8"
259	1942-69	3-7/16"			LA-701	3-5/8"	L-701	3-11/16"	8-1/8"
273	1964-69	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
318, 5.2 L	1957-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
359, 5.9 L	1998-00	4.016"	T-40B	4-1/8"	LA-40B	4-3/16"	L-40B	4-1/4"	6-1/2"
361	1958-66	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
383	1959-71	4-1/4"			LA-53	4-7/16"	L-53	4-1/2"	6-5/8"
400, 6.6 L	1972-78	4.342"			LA-83	4.530"	L-83	4.592"	6-1/4"
413	1959-77	4-3/16"			LA-57	4-3/8"	L-57	4-7/16"	7"
440, 7.2 L	1966-81	4.320"			LA-65	4-1/2"	L-65	4-9/16"	6-3/4"
446	1979-81	4-1/8"			LA-52	4-5/16"	L-52	4-3/8"	7-1/4"
478	1969-77	4-1/2"			LA-64	4-11/16"	L-64	4-3/4"	7-3/4"
FORD TRUCKS									
85 HP Flathead		3-1/16"	Flanged Replacement Sleeve				FL-3204	3.145"	6.480"
110, 1.8 L	1972-78	3.071"	T-602	3-1/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
116, 1.9 L	1977-97	3.228"			LA-002	3.415"	L-002	3.478"	6"
121, 2.0 L	1979-82	3.150"	T-298	3.275"	LA-298	3.337"	L-298	3.399"	5-15/16"
122, 2.0 L	1983-88	3.516"	T-296	2.644"	LA-296	2.706"	L-296	2.769"	6-1/2"
2.2 L Diesel (Mazda Diesel)	1983	89mm	Flanged Replacement Sleeve				FL-3205	3.815"	6.585"
140, 2.3 L	1977-97	3.780"			LA-28A	3.968"	L-28A	4-1/32"	6"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
FORD TRUCKS (Cont.)									
144	1960-64	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
152, 2.5 L	1998-00	3.781"			LA-28	3.968"	L-28	4.031"	7-3/4"
170	1961-72	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
171, 2.8 L	1974-92	3.660"			LA-85	3.847"	L-85	3.910"	6-1/2"
172, 192		3.900"			LA-90	3.087"	L-90	4.150"	7"
172, 192		3.900"			FL-3161	4.100"	Flanged Sleeve		6.915"
172, 192		3.900"			FL-3162	4.120"	Flanged Sleeve		6.920"
177, 2.9 L	1986-92	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
182, 3.0 L	1986-05	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
181, 3.0 L	1993-95	3-7/16"			LA-38	3-5/8"	L-38	3-11/16"	6"
200	1965-74	3.680"	T-37A	3-13/16"	LA-37A	3-7/8"	L-37A	3-15/16"	5-1/8"
215	1952-53	3.567"	T-608A	3-11/16"	LA-608A	3-3/4"	L-608A	3-13/16"	7-1/4"
223	1954-64	3-5/8"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
226	1948-51	3.300"			LA-606	3.487"	L-606	3.550"	8-1/4"
232, 3.8 L	1982-00	3-13/16"			LA-43	4"	L-43	4-1/16"	6-5/8"
239	1944-53	3-3/16"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
239	1954-55	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
240	1965-74	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
244, 4.0 L	1990-05	3.950"			LA-006	4.137"	L-006	4.200"	6-7/8"
255, 4.1 L	1980-82	3.680"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
256	1954-55	3-5/8"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
256, 4.2 L	1997-05	3-13/16"			LA-42	4"	L-42	4-1/16"	6-7/8"
262	1961-64	3.720"			LA-27	3-29/32"	L-27	3-31/32"	7-3/4"
272	1955-58	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
279	1952-55	3.567"	T-608A	3-11/16"	LA-608A	3-3/4"	L-608A	3-13/16"	7-1/4"
281, 4.6 L	1997-05	3.551"	T-21A	3-11/16"	LA-21A	3-3/4"	L-21A	3-13/16"	6"
289	1966-68	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
292	1958-64	3-3/4"			LA-39B	3-15/16"	L-39B	4"	6-1/8"
300, 4.9 L	1965-96	4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
302	1956-63	3-5/8"	T-23C	3-3/4"	LA-23C	3-13/16"	L-23C	3-7/8"	8"
302, 5.0 L	1968-00	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
317	1952-54	3.800"			LA-25	3.987"	L-25	4.050"	6-7/8"
330	1964-78	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
330, 5.4 L	1997-05	3.552"			LA-372	3.740"	L-372	3.802"	6-1/2"
332	1956-63	3.800"			LA-25	3.987"	L-25	4.050"	6-7/8"
351, 5.8 L	1969-97	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
352	1965-67	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"

CUT TO LENGTH SLEEVES TRUCK - TRACTOR - FORKLIFT

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
FORD TRUCKS (Cont.)									
359	1974-78	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
360	1968-76	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
361, 5.9 L	1964-78	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
370, 6.1 L	1979-92	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
389	1975-78	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
390	1968-76	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
391, 6.4 L	1964-78	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
400, 6.6 L	1978-82	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
401	1958-76	4-1/8"			LA-52C	4-5/16"	L-52C	4-3/8"	7-1/2"
415, 6.8 L	1997-05	3.551"			LA-372	3.740"	L-372	3.802"	6-1/2"
420, 6.9 L		4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
429, 7.0 L	1979-97	4-23/64"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
445, 7.3 L	1988-00	4.110"			LA-007	4.297"	L-007	4.360"	8-3/4"
460, 7.5 L	1972-97	4.360"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
475	1973-78	4-1/2"			LA-640	4-11/16"	L-640	4-3/4"	8"
477, 7.8 L	1958-81	4-1/2"			LA-640	4-11/16"	L-640	4-3/4"	8"
534, 8.7 L	1958-81	4-1/2"			LA-640	4-11/16"	L-640	4-3/4"	8"
6.6 Litre	1987-93	4.400"	T-406A	4.505"	LA-406A	4-9/16"			7.875"
476	1986-93	4.400"	T-406B	4.505"	LA-406B	4-9/16"			8-3/4"
G.M.C. TRUCKS									
97, 1.6 L	1992-95	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"	6-3/8"
98, 1.6 L	1998-00	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"	6-3/8"
110, 1.8 L	1972-82	3.307"	T-281F	3-7/16"	LA-281F	3-1/2"	L-281F	3-9/16"	5-5/8"
119, 1.9 L	1982-85	3.445"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
121, 2.0 L	1983-85	3-1/2"	T-708A	3-5/8"	LA-708A	3-11/16"	L-708A	3-3/4"	5-1/2"
133, 2.2 L	1994-96	3-1/2"	T-708A	3-5/8"	LA-708A	3-11/16"	L-708A	3-3/4"	5-1/2"
134, 2.2 L	1998-00	3-1/2"	T-708A	3-5/8"	LA-708A	3-11/16"	L-708A	3-3/4"	5-1/2"
151, 2.5 L	1985-93	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
153	1963-66	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
173, 2.8 L	1982-93	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
181		4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
191, 3.1 L	1989-95	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
194	1941-66	3-9/16"			LA-26	3-3/4"	L-26	3-13/16"	7-3/4"
200, 3.3 L	1978-79	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
207, 3.4 L	1996-05	3-5/8"	T-24	3-3/4"	LA-24	3-13/16"	L-24	3-7/8"	6"
216	1941-53	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
230	1963-69	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
G. M. C. TRUCKS (Cont.)									
231, 3.8 L	1992-05	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/8"
235, 3.8 L	1941-62	3-9/16"			LA-704	3-3/4"	L-704	3-13/16"	7-1/2"
248	1941-55	3-23/32"			LA-27	3-29/32"	L-27	3-31/32"	7-3/4"
250, 4.1 L	1966-84	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
261	1954-62	3-3/4"			LA-44	3-15/16"	L-44	4"	7-1/4"
262, 4.3 L	1985-05	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
265	1955-57	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
267, 4.4 L	1979-82	3-1/2"			LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
270	1952-63	3-25/32"			LA-28	3.968"	L-28	4-1/32"	7-3/4"
283	1957-67	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
288	1955	3-3/4"			LA-75	3-15/16"	L-75	4"	7-1/2"
292, 4.8 L	1963-89	3-7/8"			LA-702	4-1/16"	L-702	4-1/8"	7-1/8"
302	1952-59	4"			LA-48	4-3/16"	L-48	4-1/4"	7-7/8"
305, 5.0 L	1960-90	4-1/4"			LA-63	4-7/16"	L-63	4-1/2"	7-5/8"
305, 5.0 L	1977-00	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
307	1968-73	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
316	1956	3-15/16"			LA-47	4-1/8"	L-47	4-3/16"	6-1/4"
318	1952-53	3-7/8"			LA-314	4-1/16"	L-314	4-1/8"	10-1/4"
324	1955-56	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
327	1962-68	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
336	1959	3.781"			LA-28	3.968"	L-28	4-1/32"	7-3/4"
348	1958-61	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
350, 5.7 L	1967-00	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
350, 5.7 L	1978-84	4.058"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
351	1964-74	4-9/16"			LA-409	4-3/4"	L-409	4-13/16"	10-1/4"
351	1960-74	3-15/16"			LA-46G	4-1/8"	L-46G	4-3/16"	7-7/8"
360	1952-54	4-1/8"			LA-402	4-5/16"	L-402	4-3/8"	10-1/4"
366, 6.0 L	1966-97	3-15/16"			LA-45	4-1/8"	L-45	4-3/16"	6-9/16"
378, 6.2 L	1982-95	3.976"			LA-86	4-5/32"	L-86	4-7/32"	6-3/8"
379	1973-75	4.567"			LA-409G	4-3/4"	L-409G	4-13/16"	7-5/8"
6.2 Diesel Flanged repair sleeve	1982-95	4"			FL-3123	4-3/16"	Flanged Sleeve		6-3/4"
395, 6.5 L Diesel	1992-00	4.055"			LA-50B	4-1/4"	L-50B	4-5/16"	6-3/4"
396	1965-69	4.094"			LA-36G	4-9/32"	L-36G	4-11/32"	6-1/4"
400, 6.6 L	1973-80	4-1/8"			LA-52B	4-5/16"	L-52B	4-3/8"	6-3/4"
401	1960-65	4-7/8"			LA-414G	5-1/16"	L-414G	5-1/8"	7-5/8"
402, 6.6 L	1970-72	4-1/8"			LA-67	5-5/16"	L-67	4-3/8"	7-3/4"

CUT TO LENGTH SLEEVES TRUCK - TRACTOR - FORKLIFT

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
G. M. C. TRUCKS (Cont.)									
426	1952-55	4-1/4"			LA-404	4-7/16"	L-404	4-1/2"	10-1/4"
427, 7.0 L	1968-94	4-1/4"			LA-53A	4-7/16"	L-53A	4-1/2"	6-1/4"
432	1973-75	4-7/8"			LA-414G	5-1/16"	L-414G	5-1/8"	7-5/8"
454, 7.4 L	1971-00	4-1/4"			LA-63G	4-7/16"	L-63G	4-1/2"	7"
478	1962-77	5-1/8"			LA-502	5-5/16"	L-502	5-3/8"	12-1/4"
496 8.1L	2001-05	4-1/4"			LA-63	4-7/16"	L-63	4-1/2"	7-5/8"
503	1952-67	4-9/16"			LA-409	4-3/4"	L-409	4-13/16"	10-1/4"
702	1960-65	4-9/16"			LA-409G	4-3/4"	L-409G	4-13/16"	7-5/8"
HINO									
H04C 4 cyl	Flanged Replacement Sleeve				FL-3196				
	Block Repair Sleeve 4.214" I.D.				T-3196	4.340"			8"
H06C 6 cyl	Flanged Replacement Sleeve				FL-3197				
	Block Repair Sleeve 4.450" I.D.				T-3197	4.575"			8"
INTERNATIONAL FLANGE TYPE SLEEVES									
IHC FBB298	Mid 30s	3-3/4"			FL-3165	4.250"			8.420"
7.3 4 Cyl. Diesel		4.110"					FL-3159	4.450"	6-3/4"
D-281		4.125"	*FL-3125	4.248"					10.354"
D-361, DT-361 (Farmall 806-D)		4.125"			*FL-3124	4.313"			8.600"
RD-361		4-1/8"					FL-149	4.500"	8.625"
C-264 (Super M Farmall)	1953	4-1/8"	Flanged Replacement Sleeve Part No.				FL-3215		10-1/8"
RD-450	1952-71	4-3/8"	*FL-150	4.500"	*FL-151	4.5625"	FL-152	4.625"	8.687"
D-407, DT-407		4.321"	*FL-153	4.470"					8.687"
IH-284 (Mazda Engine)	1971-81	70mm	Flanged Replacement Sleeve Part No.				FL-3198	3.150"	5.200"
UD-554		4-5/8"	Flanged Replacement Sleeve Part No.				FL-3200	4.750"	11.755"
*Available overside O.D. +.010, +.020, +.030, +.040 Allow 4 weeks delivery.									
ISUZU TRUCK									
4 Cyl. Diesel, 3.9 L		4.020"	FL-3163	4.136"	Flanged Replacement Sleeve				8.050"
6 Cyl. NPR		4.135"	T-3163	4.240"	Block Repair Sleeve				8.000"
4.8 L 4HE1-TC 4 Cyl. Turbo Diesel	1999-03	4.333"	Flanged Replacement Sleeve Part No.				FL-3221		

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
AMERICAN MOTORS									
121	1977-79	3.410"			LA-59B	3-19/32"	L-59B	3-21/32"	6-1/4"
150, 2.46 L	1984-90	3.880"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
151, 2.5 L	1980-83	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
196	1949-67	3-1/8"			LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
199	1965-70	3.750"			LA-39	3-15/16"	L-39	4"	6-7/16"
215, 3.5L	1993	3.779"			LA-28A	3.968"	L-28A	4-1/32"	6"
231, 3.8 L	1978-87	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
232	1964-79	3-3/4"			LA-39	3-15/16"	L-39	4"	6-7/16"
242, 4.0 L	1987-92	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
250	1957-61	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
258, 4.2 L	1971-89	3-3/4"			LA-44	3-15/16"	L-44	4"	7-1/4"
287	1963-66	3.750"			LA-39	3-15/16"	L-39	4"	6-7/16"
290	1966-69	3.750"			LA-39	3-15/16"	L-39	4"	6-7/16"
304, 5.0 L	1970-79	3-3/4"			LA-39	3-15/16"	L-39	4"	6-7/16"
327	1956-69	4"			LA-40	4-3/16"	L-40	4-11/32"	7"
343	1967-69	4.080"			LA-705	4-9/32"	L-705	4-11/32"	7"
360, 5.9 L	1967-83	4.080"			LA-705	4-9/32"	L-705	4-11/32"	7"
390, 401	1970-76	4.165"			LA-80	4-3/8"	L-80	4-7-16"	6-3/4"
BUICK									
112, 1.8 L	1982	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
112, 1.8 L	1982-86	3.340"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
121, 2.0 L	1982-89	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
122, 2.0 L	1987-88	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
133, 2.2 L	1993-96	3-1/2"			LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
138, 2.3 L	1987-95	3-5/8"			LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
151, 2.5 L	1980-92	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
173, 2.8 L	1981-90	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
181, 3.0 L	1982-88	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
191, 3.1 L	1989-99	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
196	1978-79	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
198	1954-63	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
204, 3.3 L	1989-95	3.700"			LA-37D	3.8875"	L-37D	3.950"	6-3/8"
215	1978	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
225	1964-67	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
231, 3.8 L	1975-05	3.800"			LA-25A	3.9875"	L-25A	4.050"	6-1/16"
250	1968-76	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
250, 4.1 L	1982-85	3.465"	T-272	3.590"	LA-272	3.642"	L-272	3.715"	6"
252, 4.1 L	1980-84	3.970"			LA-86	4-5/32"	L-86	4-7/32"	6-3/8"
260L	1975-76	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
262, 4.3 L	1983-85	4-1/16"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
262, 4.3 L	1992-95	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
265	1981	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
300	1964-67	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
301, 5.0 L	1977-81	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
305, 5.0 L	1977-93	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
307, 5.0 L	1981-90	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
322	1953-56	4"			LA-40	4-3/16"	L-40	4-1/4"	6"

CUT TO LENGTH SLEEVES AMERICAN CARS

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
BUICK (Cont.)									
340	1964-67	3-3/4"			LA-39B	4-15/16"	L-39B	4"	6-1/8"
350X, 5.7 L	1968-81	3.800"			LA-25	3.9875"	L-25	4.050"	6-7/8"
350L, 5.7 L	1953-92	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
350N, 5.7 L	1977-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
364	1957-61	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
400	1967-69	4.040"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
400	1957-61	4-1/8"			LA-52A	4-5/16"	L-52A	4-3/8"	6-5/8"
401	1959-69	4-3/16"			LA-57	4-3/8"	L-57	4-7/16"	7"
403, 6.6 L	1977-81	4.351"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
425	1963-71	4-5/16"			LA-58	4-1/2"	L-58	4-9/16"	7-1/4"
430	1959-69	4-3/16"			LA-57	4-3/8"	L-57	4-7/16"	7"
455	1963-76	4-5/16"			LA-58	4-1/2"	L-58	4-9/16"	7-1/4"
CADILLAC									
112, 1.8 L	1982	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
112, 1.8 L	1982-85	3.340"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
121, 2.0 L	1982-86	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
173, 2.8 L	1985-88	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
250, 4.1 L	1982-88	3.465"	T-272	3.590"	LA-272	3.642"	L-272	3.715"	6"
252, 4.1 L	1980-83	3.970"			LA-86	4-5/32"	L-86	4-7/32"	6-3/8"
273, 4.5 L	1988-92	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
300, 4.9 L	1991-95	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
305, 5.0 L	1991-92	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
307, 5.0 L	1986-90	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/6"
331	1949-55	3-13/16"			LA-42	4"	L-42	4-1/16"	6-7/8"
350, 5.7 L	1975-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
350, 5.7 L	1990-00	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
365	1956-57	4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
368, 6.0 L	1980-84	3.800"			LA-25	3.9875"	L-25	4.050"	6-7/8"
390	1956-64	4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
425	1977-79	4.082"			LA-36G	4.281"	L-36G	4.344"	6-1/4"
429	1964-67	4-1/8"			LA-52	4-5/16"	L-52	4-3/8"	7-1/4"
472	1968-76	4.300"			LA-54B	4.487"	L-54B	4.550"	7"
500	1968-76	4.300"			LA-54B	4.487"	L-54B	4.550"	7"
CHEVROLET									
	1929-36	3-5/16"	T-607	3-7/16"	LA-607	3-1/2"	L-607	3-9/16"	7-9/16"
61, 1.0 L	1985-99	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
79, 1.3 L	1995-97	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
85, 1.4 L	1976-77	3.228"	T-002	3.353"	LA-002	3.415"	L-002	3.478"	6"
92, 1.5 L	1985-89	3.031"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
97, 1.6 L	1993-98	3-3/16"	T-603A	3-5/16"	LA-603A	3-3/8"	L-603A	3-7/16"	6"
98, 1.6 L	1976-87	3.228"			LA-002	3.415"	L-002	3.478"	6"
98, 1.6 L	1985-92	3.187"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
110, 1.8 L	1981-84	3.310"	T-607C	3-7/16"	LA-607C	3-1/2"	L-607C	3-9/16"	6-5/8"
110, 1.8 L	1993-97	3-3/16"	T-603A	3-5/16"	LA-603A	3-3/8"	L-603A	3-7/16"	6"
112, 1.8 L	1982	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
112, 1.8 L	1982-85	3.340"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
121, 2.0 L	1982-90	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
CHEVROLET (Cont.)									
121, 2.0 L	1991-95	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
133, 2.2 L	1990-97	3-1/2"			LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
138, 2.3 L	1987-95	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
140, 2.3 L	1971-77	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
151, 2.5 L	1978-92	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
153	1957-71	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
173, 2.8 L	1979-89	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
181, 3.0 L	1982-87	3.800"			LA-25A	3.987"	L-25A	4.050"	6"
191, 3.1 L	1988-99	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
194	1962-68	3-9/16"			LA-21A	3-3/4"	L-21A	3-13/16"	6"
196	1978-79	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
200, 3.3 L	1978-79	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
207, 3.4 L	1991-05	3.622"			LA-24	3-13/16"	L-24	3-7/8"	6"
216	1937-53	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
229, 3.8 L	1980-84	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
230	1957-71	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
231, 3.8 L	1978-05	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
235	1950-66	3-9/16"	T-608A	3-11/16"	LA-608A	3-3/4"	L-608A	3-13/16"	7-1/4"
250, 4.1 L	1966-79	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
261	1955-57	3-3/4"			LA-44	3-15/16"	L-44	4"	7-1/4"
262	1975-76	3.671"			LA-88	3-55/64"	L-88	3-59/64"	5-1/2"
262, 4.3 L	1982-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
262, 4.3 L	1985-05	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
262, 4.3 L	1992-95	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
265	1955-57	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
265, 4.3 L	1994-96	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
267, 4.4 L	1979-82	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
283	1957-71	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
292, 4.8 L	1964-89	3-7/8"			LA-707	4-1/16"	L-707	4-1/8"	7"
302	1962-74	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
305, 5.0 L	1976-93	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
305		4"			FL-3133D	4.200"	FLANGE SLEEVE		6"
305		4"			FLANGE SLEEVE		FL-3135D	4.253"	6"
307, 5.0 L	1968-78	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
307, 5.0 L	1985-90	3.800"			LA-25A	3.9875"	L-25A	4.050"	6"
327	1962-74	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
348, 5.7 L	1958-70	4-1/8"			LA-52	4-5/16"	L-52	4-3/8"	7-1/4"
350, 5.7 L	1962-97	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
350, 5.7 L	1980-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
350, 5.7 L	1990-94	3.897"			LA-90A	4.087"	L-90A	4.150"	6-1/2"
LS1 Corvette		3.900"			FLANGE SLEEVE		FL-3189	4.255"	5.525"
LS1 Corvette Big Bore		4.100"			FLANGE SLEEVE		FL-3188	4.255"	5.525"
366, 6.0 L	1957-69	3-15/16"			LA-45	4-1/8"	L-45	4-3/16"	6-9/16"
378, 6.2 L	1982-89	3.976"			LA-862	4.163"	L-862	4.226"	6-9/16"
396	1967	4-1/16"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
396	1965-71	4.094"			LA-36	4-9/32"	L-36	4-11/32"	6-1/16"
400, 6.6 L	1970-80	4-1/8"			LA-52B	4-5/16"	L-52B	4-3/8"	6-3/4"

CUT TO LENGTH SLEEVES AMERICAN CARS

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
CHEVROLET (Cont.)									
400, 6.6 L		4-1/8"			FL-3137D	4-5/16"	FLANGE SLEEVE		6-3/4"
400, 6.6 L		4-1/8"			FLANGE SLEEVE		FL-3138D	4-3/8"	6-3/4"
402	1970-76	4-1/8"			LA-52B	4-5/16"	L-52B	4-3/8"	6-3/4"
409	1961-65	4-5/16"			LA-58	4-1/2"	L-58	4-9/16"	7-1/4"
427, 7.0 L	1966-76	4-1/4"			LA-53A	4-7/16"	L-53A	4-1/2"	6-1/4"
ZL1 Corvette		4-1/4"			FLANGE SLEEVE		FL-3179	4.550"	6.240"
454, 7.4 L	1966-89	4-1/4"			LA-53A	4-7/16"	L-53A	4-1/2"	6-1/4"
CHRYSLER									
90, 1.5 L	1985-96	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
97, 1.6 L	1982-86	3.175"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
105, 1.7 L	1978-83	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
105, 1.7 L	1985-87	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
107, 1.8 L	1989-94	3.173"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
112, 1.8 L	1991-97	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
122, 2.0 L	1983-98	3.346"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
135, 2.2 L	1981-95	3.445"			LA-38	3-5/8"	L-38	3-11/16"	6"
144, 2.4 L	1992-96	3.406"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
148, 2.4 L	1995-00	3.445"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
153, 2.5 L	1986-95	3.445"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
156, 2.6 L	1978-89	3.590"			LA-005	3.769"	L-005	3.832"	6-1/4"
167, 2.7 L	1998-00	3.386"	T-286B	3.516"	LA-286B	3.587"	L-286B	3.650"	6-1/2"
181, 3.0 L	1986-00	3.586"			LA-005	3.769"	L-005	3.832"	6-1/4"
183, 3.0 L	1991-96	3.586"			LA-005	3.769"	L-005	3.832"	6-1/4"
201, 3.3 L	1990-00	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
215, 3.5 L	1993-00	3.781"			LA-28A	3.968"	L-28A	4-1/32"	6"
218	1934-54	3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
225, 3.7 L	1960-87	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
230	1942-59	3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
231, 3.8 L	1991-00	3.781"			LA-28A	3.968"	L-28A	4-1/32"	6"
238, 3.9 L	1986-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
242, 4.0 L	1987-92	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
230	1942-59	3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
251	1942-54	3-7/16"			LA-701	3-5/8"	L-701	3-11/16"	8-1/8"
273	1964-69	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
318, 5.2 L	1957-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
331	1951-56	3-13/16"			LA-43	4"	L-43	4-1/16"	6-5/8"
354	1956-58	3-15/16"			LA-46	4-1/8"	L-46	4-3/16"	6-7/8"
360, 5.9 L	1971-00	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
361	1958-66	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
383	1959-60	4-1/32"			LA-72	4-7/32"	L-72	4-9/32"	7"
383	1959-71	4-1/4"			LA-53	4-7/16"	L-53	4-1/2"	6-5/8"
392	1957-58	4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
400, 6.6 L	1972-78	4.342"			LA-83	4.530"	L-83	4.592"	6-1/4"
413	1959-69	4-3/16"			LA-57	4-3/8"	L-57	4-7/16"	7"
440, 7.2 L	1966-78	4.320"			LA-65	4-1/2"	L-65	4-9/16"	6-3/4"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
DODGE									
86, 1.4 L	1980-85	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
90, 1.5 L	1985-96	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
97, 1.6 L	1982-86	3.175"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
98, 1.6 L	1973-84	3.028"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
98, 1.6 L	1981-83	3.568"	T-21A	3-11/16"	LA-21A	3-3/4"	L-21A	3-13/16"	6"
105, 1.7 L	1978-83	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
105, 1.7 L	1985-87	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
107, 1.8 L	1989-94	3.173"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
112, 1.8 L	1991-97	3.188"	T-603	3-5/16"	L-603	3-3/8"	L-603	3-7/16"	6-1/2"
122, 2.0 L	1974-82	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
122, 2.0 L	1983-98	3.346"	T-270	3.471"	L-270	3.533"	L-270	3.596"	6-3/16"
135, 2.2 L	1981-95	3.445"			LA-38	3-5/8"	L-38	3-11/16"	6"
146, 2.4 L	1989-96	3.406"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
153, 2.5 L	1986-95	3.445"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
156, 2.6 L	1978-89	3.590"			LA-005	3.769"	L-005	3.832"	6-1/4"
170	1960-71	3.400"	T-59A	3.525"	LA-59A	3.587"	L-59A	3.650"	6"
181, 3.0 L	1986-00	3.586"			LA-005	3.769"	L-005	3.832"	6-1/4"
183, 3.0 L	1991-96	3.590"			LA-005	3.769"	L-005	3.832"	6-1/4"
198	1970-74	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
201, 3.3 L	1990-00	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
215, 3.5 L	1993-00	3.779"			LA-28A	3.968"	L-28A	4-1/32"	6"
218	1934-54	3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
225, 3.7 L	1960-87	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
228	1940	3-3/8"			LA-700	3-9/16"	L-700	3-5/8"	8-1/8"
230	1942-60	3-1/4"			LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
231, 3.8 L	1991-00	3.779"			LA-28A	3.968"	L-28A	4-1/32"	6"
238, 3.9 L	1986-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
241	1938-41	3-3/8"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
241	1953-55	3-7/16"			LA-38	3-5/8"	L-38	3-11/16"	6"
242, 4.0 L	1987-92	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
265	1942-69	3-7/16"			LA-701	3-5/8"	L-701	3-11/16"	8-1/8"
270	1955-56	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
273	1964-69	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
277	1956-57	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
301	1957	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
303	1956-57	3-16/16"			LA-43	4"	L-43	4-1/16"	6-5/8"
315	1956	3-5/8"			LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
318, 5.2 L	1957-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
325	1957-58	3-11/16"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
326	1959	3.950"			LA-006	3.137"	L-006	4.200"	6-7/8"
340	1968-73	4.040"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
350	1958	4-1/16"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
359, 5.9 L	1971-00	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
361	1958-66	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
383	1959-71	4-1/4"			LA-53	4-7/16"	L-53	4-1/2"	6-5/8"
400, 6.6 L	1972-78	4.342"			LA-83	4.530"	L-83	4.592"	6-1/4"
413	1959-77	4-3/16"			LA-57	4-3/8"	L-57	4-7/16"	7"
426	1951-71	4-1/4"			LA-53B	4-7/16"	L-53B	4-1/2"	6-7/8"
440, 7.2 L	1966-81	4.320"			LA-65	4-1/2"	L-65	4-9/16"	6-3/4"
Viper V-10 Wet Liner	1995-04	4.030"	Flanged Replacement Sleeve Part No. FL-3210						5.907"

CUT TO LENGTH SLEEVES AMERICAN CARS

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
EAGLE									
122, 2.0 L	1990-94	3.346"	T-270	3.471"	LA-270	3.533"	L-270	3.569"	6-3/16"
143, 2.4 L	1992-96	3.405"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
201, 3.3 L	1993-94	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
FORD									
A, AA, B, BB	1928-34	3-7/8"			LA-609	4-1/16"	L-609	4-1/8"	7-1/2"
80, 1.3 L	1988-97	2.795"	T-291A	2.920"	LA-291A	2.982"	L-291A	3.045"	6"
97.6	1981	3.150"	T-89	3-9/32"	LA-89	3-11/32"	L-89	3-13/32"	6"
97.6, 1.6 L	1981-85	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
98, 1.6 L	1987-94	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
98, 1.6 L	1978-80	3.190"	T-603A	3-5/16"	LA-603A	3-3/8"	L-603A	3-7/16"	6"
112, 1.8 L	1991-96	3.287"	T-260	3.407"	LA-260	3.468"	L-260	3.530"	6-1/2"
116, 1.9 L	1985-96	3.228"			LA-002	3.415"	L-002	3.478"	6"
120, 2.0 L	1984-85	3.390"	T-59A	3.525"	LA-59A	3.587"	L-59A	3.650"	6"
122, 2.0 L	1971-74	3.580"	T-82	3.705"	LA-82	3.767"	L-82	3.830"	5-3/8"
122, 2.0 L	1984-88	3.386"	T-286	3.516"	LA-286	3.578"	L-286	3.641"	5-1/4"
122, 2.0 L	1993-95	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/4"
133, 2.2 L	1988-93	3.386"	T-286	3.516"	LA-286	3.578"	L-286	3.641"	5-1/4"
140, 2.3 L	1974-94	3.781"	T-28A	3.906"	LA-28A	3.968"	L-28A	4-1/32"	6"
140, 2.3 L	1984-94	3.687"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
142, 2.3 L	1990-95	3.708"			LA-37D	3.887"	L-37D	3.950"	6-3/8"
144	1961-72	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
153, 2.5 L	1986-91	3.661"			LA-85	3.847"	L-85	3.910"	6-1/2"
153, 2.5 L	1993-95	3.330"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
154, 2.5 L	1990-91	3.687"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
170	1961-72	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
171, 2.8 L	1974-87	3.660"			LA-85	3.847"	L-85	3.910"	6-1/2"
172	1974-80	3.900			LA-90	4.087"	L-90	4.150"	7"
177, 2.9 L	1986-90	3.661"			LA-85	3.847"	L-85	3.910"	6-1/2"
181, 3.0 L	1993-96	3.425"	T-265-C	3-9/16"	LA-265-C	3-5/8"	L-265-C	3-11/16"	6.150"
182, 3.0 L	1986-05	3-1/2"			LA-20	3-11/16"	L-20	3-3/4"	6"
182, 3.0 L	1996-99	3.244"	T-34A	3-3/8"	LA-34A	3-7/16"	L-34A	3-1/2"	6-1/2"
183, 3.0 L	1990-05	3.503"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
185	1932-41	3-1/16"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
195	1946-53	3-3/16"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
195, 3.2 L	1993-95	3.620"			LA-24	3-13/16"	L-24	3-7/8"	6"
200, 3.3 L	1963-83	3-11/16"			LA-37A	3-7/8"	L-37A	3-15/16"	5-1/8"
207, 3.4 L	1996	3.246"	T-34A	3-3/8"	LA-34A	3-7/16"	L-34A	3-1/2"	6-1/2"
215	1952-53	3-9/16"			LA-21	3-3/4"	L-21	3-13/16"	6-11/16"
221	1961-72	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
223	1954-64	3-5/8"			LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
226H	1948-57	3.300"			LA-606	3.487"	L-606	3.550"	8-1/4"
232, 3.8 L	1982-00	3-13/16"			LA-43	4"	L-43	4-1/16"	6-5/8"
232, 3.8 L	1983-85	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
239	1939-53	3-3/16"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
239	1954	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
240, 3.9 L	1958-78	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
250, 4.1 L	1969-83	3.687"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
254	1954-55	3-1/2"			LA-710	3-11/16"	L-710	3-3/4"	8-1/4"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
FORD (Cont.)									
255	1949-53	3-3/16"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
255, 4.2 L	1980-82	3.687"			LA-37A	3-7/8"	L-37A	3-15/16"	5-1/8"
256	1954	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
260	1962-71	3.800"			LA-25B	3.987"	L-25B	4.050"	5-1/8"
272	1955-58	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
4605cc, 4.6 L	1996	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
281, 4.6 L	1991-05	3.551"			LA-273	3.730"	L-273	3.793"	6-1/2"
289, 4.7 L	1958-78	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
292	1955-64	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
302, 5.0 L	1968-95	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
312	1956-60	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
330	1964-69	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
332	1956-57	3.800"			LA-25	3.987"	L-25	4.050"	6-7/8"
332	1958-78	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
351, 5.8 L	1969-91	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
352	1958-66	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
361	1958-59	4.050"			LA-60	4-15/64"	L-60A	4-19/64"	6-3/8"
390	1961-71	4.040"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
400, 6.6 L	1971-82	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
406	1963-70	4-1/8"			LA-52C	4-5/16"	L-52C	4-3/8"	7-1/2"
410	1966-67	4.050"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
427	1963-69	4-15/64"			LA-22	4-27/64"	L-22	4-31/64"	6-1/4"
428	1963-70	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
429	1968-74	4-23/64"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
430	1963-64	4.300"			LA-54	4.487"	L-54	4.550"	7-9/16"
460, 7.5 L	1968-78	4-23/64"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
JEEP									
134	1938-73	3-1/8"			LA-706	3-5/16"	L-706	3-3/8"	8-1/8"
150, 2.46 L	1983-00	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
151, 2.5 L	1980-83	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
161	1951-56	3-1/8"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
173, 2.8 L	1984-86	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
225	1965-71	3-3/4"			LA-39	3-15/16"	L-39	4"	6-7/16"
226	1954-67	3-5/16"			LA-607	3-1/2"	L-607	3-9/16"	7-9/16"
230	1963-70	3-11/32"			LA-62	3-17/32"	L-62	3-19/32"	7-1/2"
232	1965-78	3-3/4"			LA-44	3-15/16"	L-44	4"	7-1/4"
242, 4.0 L	1987-00	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
258, 4.2 L	1971-90	3-3/4"			LA-44	3-15/16"	L-44	4"	7-1/4"
304, 5.0 L	1971-82	3-3/4"			LA-39	3-15/16"	L-39	4"	6-7/16"
318, 5.2 L	1993-98	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
327	1965-71	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
350	1968-71	3.800"			LA-25	3.987"	L-25	4.050"	6-7/8"
360, 5.9 L	1971-91	4.080"			LA-705	4-9/32"	L-705	4-11/32"	7"
360, 5.9 L	1997-98	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
401	1974-78	4.165"			LA-80	4-3/8"	L-80	4-7/16"	6-3/4"

CUT TO LENGTH SLEEVES AMERICAN CARS

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
LINCOLN									
149	1983-85	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.339"	6-1/2"
232, 3.8 L	1982-00	3-13/16"			LA-43	4"	L-43	4-1/16"	6-5/8"
302, 5.0 L	1973-00	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
317	1952-65	3.800"			LA-25	3.987"	L-25	4.050"	6-7/8"
341	1955	3-15/16"			LA-46	4-1/8"	L-46	4-3/16"	6-7/8"
351, 5.8 L	1969-91	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
351, 5.8 L	1970-74	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
351, 5.8 L	1975-79	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
368	1956-57	4"			LA-49	4-3/16"	L-49	4-1/4"	6-7/8"
400, 6.6 L	1971-79	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
430	1958-68	4.300"			LA-54	4.487"	L-54	4.550"	7-9/16"
460	1968-78	4.362"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
462	1966-69	4-3/8"			LA-66	4-9/16"	L-66	4-5/8"	6-7/8"
MERCURY									
81, 1.3 L	1988-90	2.795"	T-291A	2.920"	LA-291A	2.982"	L-291A	3.045"	6"
97.6	1981	3.150"	T-89	3-9/32"	LA-89	3-11/32"	L-89	3-13/32"	6"
97.6, 1.6 L	1981-85	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
98, 1.6 L	1971-73	3.189"	T-603C	3-5/16"	LA-603C	3-3/8"	L-603C	3-7/16"	5-15/16"
98, 1.6 L	1987-94	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
110, 1.8 L	1991-96	3.267"	T-259	3.383"	LA-259	3.456"	L-259	3.518"	7-1/4"
112, 1.8 L	1991	3.287"	T-260	3.407"	LA-260	3.468"	L-260	3.530"	6-1/2"
116, 1.9 L	1985-96	3.228"			LA-002	3.415"	L-002	3.478"	6"
120, 2.0 L	1984-85	3.390"	T-59A	3.525"	LA-59A	3.587"	L-59A	3.650"	6"
122, 2.0 L	1971-74	3.575"			LA-21A	3-3/4"	L-21A	3-13/16"	6"
122, 2.0 L	1984-88	3.386"	T-286	3.516"	LA-286	3.578"	L-286	3.641"	5-1/4"
122, 2.0 L	1993-95	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
133, 2.2 L	1988-93	3.386"	T-286	3.516"	LA-286	3.578"	L-286	3.641"	5-1/4"
140, 2.3 L	1974-89	3.781"	T-28A	3.906"	LA-28A	3.968"	L-28A	4-1/32"	6"
140, 2.3 L	1984-94	3.687"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
142, 2.3 L	1990-95	3.708"			LA-37D	3.887"	L-37D	3.950"	6-3/8"
144	1960-64	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
153, 2.5 L	1986-87	3.680"	T-37	3-13/16"	LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
153, 2.5 L	1986-90	3.661"			LA-85	2.847"	L-85	3.910"	6-1/2"
153, 2.5 L	1993-95	3.330"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
154, 2.5 L	1990-91	3.687"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
170	1961-72	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
171, 2.8 L	1974-79	3.660"			LA-85	3.847"	L-85	3.910"	6-1/2"
177, 2.9 L	1986-90	3.661"			LA-85	2.847"	L-85	3.910"	6-1/2"
182, 3.0 L	1986-05	3-1/2"			LA-20	3-11/16"	L-20	3-3/4"	6"
183, 3.0 L	1993-98	3.425"	T-265C	3-9/16"	LA-265C	3-5/8"	L-256C	3-11/16"	6.150"
195, 3.2 L	1993-95	3.620"			LA-24	3-13/16"	L-24	3-7/8"	6"
200, 3.3 L	1963-83	3-11/16"			LA-37A	3-7/8"	L-37A	3-15/16"	5-1/8"
207, 3.4 L	1996	3.246"	T-34A	3-3/8"	LA-34A	3-7/16"	L-34A	3-1/2"	6-1/2"
215	1952-53	3.567"	T-608A	3-11/16"	LA-608A	3-3/4"	L-608A	3-13/16"	7-1/4"
221	1962-63	3-1/2"	T-708A	3-5/8"	LA-708A	3-11/16"	L-708A	3-3/4"	5-1/2"
223	1954-64	3-5/8"			LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
232, 3.8 L	1982-00	3-13/16"			LA-43	4"	L-43	4-1/16"	6-5/8"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
MERCURY (Cont.)									
239	1939-53	3-3/16"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
244, 4.0 L	1997-05	3.952"			LA-46	4-1/8"	L-46	4-3/16"	6-7/8"
250, 4.1 L	1969-83	3.687"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
255	1949-53	3-3/16"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
255, 4.2 L	1980-82	3.687"			LA-37A	3-7/8"	L-37A	3-15/16"	5-1/8"
256	1954	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
260	1962-71	3.800"			LA-25B	3.987"	L-25B	4.050"	5-1/8"
272	1955-58	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
281, 4.6 L	1991-05	3.551"			LA-273	3.730"	L-273	3.793"	6-1/2"
289	1963-68	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
292	1955-64	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
4605cc, 4.6 L	1996	3.543"	T-273	3.688"	LA-273	3.730"	L-273	3.793"	6-1/2"
302, 5.0 L	1973-00	4"			LA-40B	4-3/16"	L-40B	4-1/4"	5-1/8"
312	1956-63	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
330, 5.4 L	1997-05	3.551"			LA-372	3.740"	L-372	3.802"	6-1/2"
332	1958-59	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
341	1955	3-15/16"			LA-46	4-1/8"	L-46	4-3/16"	6-7/8"
351, 5.8 L	1969-91	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
351, 5.8 L	1970-74	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
351, 5.8 L	1975-79	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
352	1958-66	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
383	1958-60	4.300"			LA-54	4.487"	L-54	4.550"	7-9/16"
390	1961-71	4.040"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
400, 6.6 L	1971-79	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
406	1963-70	4-1/8"			LA-52C	4-5/16"	L-52C	4-3/8"	7-1/2"
410	1961-71	4.040"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
427, 7.0L	1963-78	4-15/64"			LA-22	4-27/64"	L-22	4-31/64"	6-1/4"
428	1963-71	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-15/16"
429	1969-78	4-23/64"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
430	1958-60	4.300"			LA-54	4.487"	L-54	4.550"	7-9/16"
460	1968-78	4-23/64"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
OLDSMOBILE									
112, 1.8 L	1982	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
112, 1.8 L	1982-86	3.340"	T-270	3.471"	LA-270	3.553"	L-270	3.596"	6-3/16"
121, 2.0 L	1983-89	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
133, 2.2 L	1993-96	3-1/2"			LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
138, 2.3 L	1987-95	3.622"			LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
140	1976-77	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
151, 2.5 L	1977-95	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
173, 2.8 L	1980-90	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
181, 3.0 L	1982-88	3.800"			LA-25A	3.987"	L-25A	4.050"	6"
191, 3.1 L	1989-99	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
196	1978-79	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
204, 3.3 L	1989-93	3.700"			LA-37D	3.887"	L-37D	3.950"	6-3/8"
207, 3.4 L	1992-05	3.620"			LA-24	3-13/16"	L-24	3-7/8"	6"
225, 3.7 L	1964-67	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
231, 3.8 L	1976-05	3.800"			LA-25A	3.987"	L-25A	4.050"	6"

CUT TO LENGTH SLEEVES AMERICAN CARS

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
OLDSMOBILE (Cont.)									
250	1966-76	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
250, 4.1 L	1982-85	3.465"	T-272	3.590"	LA-272	3.642"	L-272	3.715"	6"
252, 4.1 L	1981-84	3.968"			LA-86	4-5/32"	L-86	4-7/32"	6-3/8"
260, 4.3 L	1975-83	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
262	1976-82	3.671"			LA-88	3-55/64"	L-88	3-59/64"	5-1/2"
262, 4.3 L	1982-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
262, 4.3 L	1991-05	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
267 4.4 L	1981-82	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
301, 5.0 L	1977-81	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
303	1949-53	3-3/4"			LA-39	3-15/16"	L-39	4"	6-7/16"
305, 5.0 L	1977-93	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
307, 5.0 L	1980-90	3.800"			LA-25A	3.987"	L-25A	4.050"	6"
324	1954-56	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
330	1964-67	3-15/16"			LA-47	4-1/8"	L-47	4-3/16"	6-1/4"
350	1976	3.800"			LA-25A	3.987"	L-25A	4.050"	6"
350, 5.7 L	1977-91	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
350, 5.7 L	1968-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
371	1957-67	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
394	1959-64	4-1/8"			LA-52A	4-5/16"	L-52A	4-3/8"	6-1/2"
400	1957-67	4"			LA-41	4-3/16"	L-41	4-1/4"	6-5/8"
403, 6.6 L	1977-81	4.351"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
425, 7.0 L	1965-67	4-1/8"			LA-67	4-5/16"	L-67	4-3/8"	7-3/4"
455	1959-76	4-1/8"			LA-52A	4-5/16"	L-52A	4-3/8"	6-3/4"
PACKARD									
245	1938-49	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
288	1948-54	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
327	1948-54	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
356	1940-50	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
PLYMOUTH									
86, 1.4 L	1980-85	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
86, 1.4 L	1981-82	3.028"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
90, 1.5 L	1985-96	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
97, 1.6 L	1982-86	3.175"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
98, 1.6 L	1973-82	3.028"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
105, 1.7 L	1978-83	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
105, 1.7 L	1985-87	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
107, 1.8 L	1989-94	3.173"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
112, 1.8 L	1991-97	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
122, 2.0 L	1983-98	3.346"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
135, 2.2 L	1981-95	3.445"			LA-38	3-5/8"	L-38	3-11/16"	6"
144, 2.4 L	1992-96	3.406"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
153, 2.5 L	1986-95	3.445"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
156, 2.6 L	1978-89	3.590"			LA-005	3.769"	L-005	3.832"	6-1/4"
170	1960-71	3.400"			LA-59A	3.587"	L-59A	3.650"	6"
181, 3.0 L	1986-00	3.586"			LA-005	3.769"	L-005	3.832"	6-1/4"
183, 3.0 L	1991-96	3.586"			LA-005	3.769"	L-005	3.832"	6-1/4"
198	1970-74	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
201	1933-41	3-1/8"			LA-604	3-5/16"	L-604	3-3/8"	8-1/8"

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
PLYMOUTH (Cont.)									
201, 3.3 L	1990-00	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
218	1934-54	3-1/4"	T-605	3-3/8"	LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
225, 3.7 L	1960-87	3.400"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
230	1946-60	3-1/4"			LA-605	3-7/16"	L-605	3-1/2"	8-1/8"
231, 3.8 L	1991-00	3.779"			LA-28A	3.968"	L-28A	4-1/32"	6"
238, 3.9 L	1986-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
241	1938-41	3-3/8"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
241	1953-55	3-7/16"			LA-38	3-5/8"	L-38	3-11/16"	6"
242, 4.0 L	1987-92	3-7/8"			LA-78	4-1/16"	L-78	4-1/8"	6-1/2"
259	1955	3-9/16"			LA-21A	3-3/4"	L-21A	3-13/16"	6"
273	1964-69	3-5/8"			LA-24	3-13/16"	L-24	3-7/8"	6"
277	1956-57	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
301	1957	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
303	1956-57	3-13/16"			LA-43	4"	L-43	4-1/16"	6-5/8"
318, 5.2 L	1957-00	3.910"			LA-55	4.097"	L-55	4.160"	6-1/16"
326	1959	3.950"			LA-006	3.137"	L-006	4.200"	6-7/8"
340	1968-73	4.04"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
350	1958	4-1/16"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
360, 5.9 L	1971-00	4"			LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
361	1958-66	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
383	1959-71	4-1/4"			LA-53	4-7/16"	L-53	4-1/2"	6-5/8"
400, 6.6 L	1972-78	4.342"			LA-83	4.530"	L-83	4.592"	6-1/4"
413	1959-69	4-3/16"			LA-57	4-3/8"	L-57	4-7/16"	7"
426	1951-71	4-1/4"			LA-53B	4-7/16"	L-53B	4-1/2"	6-7/8"
440, 7.2 L	1966-78	4.320"			LA-65	4-1/2"	L-65	4-9/16"	6-3/4"
PONTIAC									
61, 1.0 L	1987-88	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
97, 1.6 L	1981-87	3.228"			LA-002	3.415"	L-002	3.478"	6"
98, 1.6 L	1990-05	3.110"	T-253	3.235"	LA-253	3.298"	L-253	3.360"	6"
110, 1.8 L	1981-84	3.310"	T-607C	3-7/16"	LA-607C	3-1/2"	L-607C	3-9/16"	6-5/8"
112, 1.8 L	1982	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
112, 1.8 L	1982-86	3.340"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
121, 2.0 L	1982-86	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
121, 2.0 L	1991-95	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
122, 2.0 L	1987-91	3-3/8"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
133, 2.2 L	1995-97	3-1/2"			LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
134, 2.2 L	1998-00	3-1/2"			LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
138, 2.3 L	1987-95	3.622"			LA-24	3-13/16"	L-24	3-7/8"	6"
140	1976-77	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
151, 2.5 L	1977-93	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
173, 2.8 L	1980-89	3-1/2"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
181, 3.0 L	1982-88	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
191, 3.1 L	1988-99	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
195, 3.2 L	1961-63	4-1/16"			LA-50B	4-1/4"	L-50B	4-5/16"	6-3/4"
196	1978-79	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
204, 3.3 L	1989-93	3.700"			LA-37D	3.887"	L-37D	3.950"	6-3/8"
207, 3.4 L	1991-05	3.623"			LA-24	3-13/16"	L-24	3-7/8"	6"

CUT TO LENGTH SLEEVES AMERICAN CARS

L.A. SLEEVE

Engine Model	Year	Cyl. Bore	1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			Part No.	O.D.	Part No.	O.D.	Part No.	O.D.	
PONTIAC (Cont.)									
215	1961-63	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
215, 3.5 L	1964-65	3-3/4"			LA-39B	3-15/16"	L-39B	4"	6-1/8"
229, 3.8 L	1980-84	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-7/16"
230	1964-67	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
231, 3.8 L	1975-05	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
231	1981	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
239	1941-54	3-9/16"			LA-704	3-3/4"	L-704	3-13/16"	7-1/2"
248	1934-54	3-1/4"			LA-34	3-7/16"	L-34	3-1/2"	7-1/4"
250, 4.1 L	1968-76	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-1/2"
252, 4.1 L	1982-84	3.965"			LA-86	4-5/32"	L-86	4-7/32"	6-3/8"
260, 4.3 L	1975-76	3-1/2"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
262, 4.3 L	1982-85	4.058"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
262, 4.3 L	1985-05	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
265, 4.3 L	1980-81	3-3/4"			LA-39A	3-15/16"	L-39A	4"	6"
267, 4.4 L	1981	3-1/2"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
268	1950-54	3-3/8"			LA-70	3-9/16"	L-70	3-5/8"	7-3/8"
287	1955	3-3/4"			LA-39	3-15/16"	L-39	4"	6-7/16"
301, 5.0 L	1977-81	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
305, 5.0 L	1977-92	3.736"			LA-87	3-59/64"	L-87	3-63/64"	6-3/8"
307, 5.0 L	1968-72	3-7/8"			LA-68	4-1/16"	L-68	4-1/8"	6"
307, 5.0 L	1981-90	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
316	1956	3-15/16"			LA-46	4-1/8"	L-46	4-3/16"	6-7/8"
326, 5.3 L	1964-87	3-23/32"			LA-27A	3-29/32"	L-27A	3-31/32"	6-1/4"
347	1956-67	3-15/16"			LA-47	4-1/8"	L-47	4-3/16"	6-1/4"
350X, 5.7 L	1974-81	3.800"			LA-25A	3.987"	L-25A	4.050"	6-1/16"
350P, 5.7 L	1968-78	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
350L, 5.7 L	1977-97	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
350, 5.7 L	1978-85	4.057"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
389, 6.4 L	1958-67	4-1/16"			LA-50	4-1/4"	L-50	4-5/16"	6-1/4"
400, 6.6 L	1967-79	4-1/8"			LA-52A	4-5/16"	L-52A	4-3/8"	6-5/8"
403, 6.6 L	1977-81	4.351"			LA-73	4-35/64"	L-73	4-39/64"	6-7/8"
421	1963-67	4-3/32"			LA-61	4-9/32"	L-61	4-11/32"	6-3/8"
428	1967-69	4-1/8"			LA-51	4-5/16"	L-51	4-3/8"	6-5/16"
455, 7.5 L	1968-76	4.152"			LA-79	4.337"	L-79	4.400"	6-1/4"
SATURN									
116, 1.9 L	1990-96	3.228"			LA-002	3.415"	L-002	3.478"	6"
1.9 L	1999	3.228"	Flanged Replacement Sleeve Part No. FL-3218						5.400"
STUDEBAKER									
169, 170, 186	1939-63	3"			LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
194, 3.2 L	1965-66	3-9/16"	T-21A	3-11/16"	LA-21A	3-3/4"	L-21A	3-3/16"	6"
233	1951-64	3-3/8"			LA-71	3-9/16"	L-71	3-5/8"	6"
226, 246	1938-60	3-5/16"			LA-607	3-1/2"	L-607	3-9/16"	7-9/16"
259	1955-64	3-9/16"			LA-21	3-3/4"	L-21	3-13/16"	6-11/16"
283, 4.6 L	1965	3-7/8"			LA-69	4-1/16"	L-69	4-1/8"	6-3/8"
352	1956	4"			LA-49	4-3/16"	L-49	4-1/14"	6-7/8"

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
ACURA											
97CID	D16A1 1.6 L	86-89	75mm	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"	6-1/2"
1.6 L	D16		74mm	2.913"	Flanged Ductile Iron Performance Sleeve Part No. FL-3216					5.275"	
163CID	C27A1 2.7 L	87-90	87mm	3.425"	T-265C	3-9/16"	LA-265C	3-5/8"	L-265C	3-11/16"	6.150"
1678cc	B17A1 1.7 L	92-95	80.98mm	3.188"	T-603A	3-5/16"	LA-603A	3-3/8"	L-603A	3-7/16"	6"
1834cc	B18A1 1.8 L	91-95	80.98mm	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
2156cc	F22B1	1997	85mm		T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/4"
2451cc	G25A1 2.5 L	92-95	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
2977cc	C30A1 3.0 L	91-95	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
3206cc	C32A1 3.2 L	91-96	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
	1.6, 1.7, 1.8 L		80mm	3.150"	Flanged Ductile Iron Sleeve Part No. FL-3186					5-1/2"	
ALFA ROMEO											
	1300		74mm	2.913"	Replacement Sleeve Part No. FL-3184					5.465"	
	1750		80mm	3.150"	Replacement Sleeve Part No. FL-3132					6"	
	2600		83mm	3.228"	Replacement Sleeve Part No. FL-3115					5.940"	
	2000		84mm	3.267"	Replacement Sleeve Part No. FL-3114					5.990"	
AUDI											
1296cc	80, 80L	72-on	75mm	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"	6-1/2"
1471cc	Foxx 1.5 L	73-76	76.5mm	3.011"	T-277	3-1/8"	LA-277	3-3/16"	L-277	3-1/4"	6-1/2"
1588cc	Foxx, LGL 1.6 L	75-81	79.6mm	3.136"	T-278	3-1/4"	LA-278	3-5/16"	L-278	3-3/8"	6-1/2"
1588cc	1.6 L	81-87	76.5mm	3.0122"	T-277	3-1/8"	LA-277	3-3/16"	L-277	3-1/4"	6-1/2"
1715cc	1.7 L	81-84	79.5mm	3.136"	T-278	3-1/4"	LA-278	3-5/16"	L-278	3-3/8"	6-1/2"
1760cc	90, 100LS, 100S	70-72	81.5mm	3.208"	T-279	3.333"	LA-279	3.395"	L-279	3.458"	6-1/2"
1780cc	1.8 L	83-91	81mm	3.189"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
1871cc	100GL, LS	72-77	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1986cc	2.0 L	79-83	76.5mm	3.012"	T-277	3-1/8"	LA-277	3-3/16"	L-277	3-1/4"	6-1/2"
2144cc	2.1 L	83-84	79.5mm	3.136"	T-278	3-1/4"	LA-278	3-5/16"	L-278	3-3/8"	6-1/2"
2226cc	2.2 L	85-88	79.5mm	3.136"	T-278	3-1/4"	LA-278	3-5/16"	L-278	3-3/8"	6-1/2"
2226cc	MC,AAN 2.2 L	91-95	81mm	3.189"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
2309cc	2.3 L	87-92	82.5mm	3.248"	T-34A	3.373"	LA-34A	3.438"	L-34A	3.498"	6-1/2"
2771cc	100CS	93	82mm	3.228"	T-002	3.353"	LA-002	3.415"	L-002	3.478"	6"
2771cc	AAH 2.8 L	92-95	82.5mm	3.248"	T-34A	3.373"	LA-34A	3.438"	L-34A	3.498"	6-1/2"
3562cc	PT 3.6 L	91	81mm	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
4172cc	ABH 4.2 L	92-95	84.5mm	3.332"	T-270C	3.457"	LA-270C	3.522"	L-270C	3.582"	6-3/16"
ASTON MARTIN											
	DB2 Wet Liner	1957	83mm	3.267"	Flanged Replacement Sleeve Part No. FL-3203					6.410"	
AUSTIN											
848cc	850 Mini	60-67	62.91mm	2.477"	T-230	2.606"	LA-230	2.665"	L-230	2.727"	5.156"
948cc	A35, A40	62-65	62.92mm	2.477"	T-230	2.606"	LA-230	2.665"	L-230	2.727"	5.156"
998cc	Mini Cooper	64-67	64.6mm	2.542"	T-232	2.667"	LA-232	2.729"	L-232	2.792"	5.280"
1098cc	A40 MK II	62-65	64.6mm	2.542"	T-232	2.667"	LA-232	2.729"	L-232	2.792"	5.280"
1275cc	Mini Cooper	63-69	70.61mm	2.780"	T-243	2.905"	LA-243	2.967"	L-243	3.030"	5-9/16"
1489cc	A50, A55	54-61	73mm	2.875"	T-214A	3"	LA-214A	3-1/16"	L-214A	3-1/8"	6"
1798cc	Marina GT	73-76	80.25mm	3.159"	T-280	3.275"	LA-280	3.337"	L-280	3.399"	6-1/16"

CUT TO LENGTH SLEEVES FOREIGN CARS

L.A. SLEEVE

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
AUSTIN HEALEY											
948cc	Sprite MK II	57-67	62.91mm	2.477"	T-230	2.606"	LA-230	2.665"	L-230	2.727"	5.156"
1098cc	MK II, III	63-66	64.6mm	2.542"	T-232	2.667"	LA-232	2.729"	L-232	2.792"	5.280"
1275cc	MK IV	67-70	70.6mm	2.780"	T-243	2.905"	LA-243	2.967"	L-243	3.030"	5-9/16"
2639cc	100/6	56-59	79.4mm	3-1/8"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
2912cc	3000 MK, I, II, III	59-68	83.3mm	3.282"	T-260	3.407"	LA-260	3.468"	L-260	3.530"	6-1/2"
2660cc	100/4	53-56	87.3mm	3-7/16"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
BMW											
1573cc	1600, ENG 114	64-71	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1773cc	1800, ENG 118	64-68	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1796cc	M42B18 1.8 L	91-95	84mm	3.312"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1990cc	2000, 2002 ENG 121, 2	66-76	89mm	3.503"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
2302cc	S14B23 2.3 L	91	93.70mm	3.687"	T-37	3-13/16"	LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
2494cc	M20B25 2.5 L	91-95	84mm	3.312"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
2494cc	525i, 2.5L, 6 cyl.	93	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
2494cc	2500	69-71	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
2788c	2800, ENG 128	69-70	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
2985cc	3.0 SI, 530 I, 630 CSI	75	89mm	3.503"	T-708	3-5/8"	LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
3205cc	7331	78 on	89mm	3.503"	T-708	3-5/8"	LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
2990cc	25OUSB30 3.0 L	96	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
3152cc	M3 3.2 L	97	86.4mm	3.400"	T-59A	3.525"	LA-59A	3.587"	L-59A	3.650"	6"
3430cc	M30B35 3.5 L	91-95	92mm	3.622"	T-24	3-3/4"	LA-24	3-13/16"	L-24	3-7/8"	6"
3535cc	S38B36 3.6 L	91-95	93.70mm	3.687"	T-37	3-13/16"	LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
3982cc	M60B40 4.0 L	96	89mm	3.500"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
4988cc	M70B50 5.0 L	91-95	84mm	3.312"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
CHEVROLET LUV - SPRINT											
1817cc	Luv	72-81	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
61 CID	Sprint 1.0 L	85-88	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
CHRYSLER, DODGE											
1468cc	4G15(A) 1.5 L	91-95	75.387mm	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
1498cc	Cricket	71-73	86.1mm	3.391"	T-286	3.516"	LA-286	3.578"	L-286	3.641"	5.260"
1715cc	Omni-Horizon 1.7 L	78-83	79.5mm	3.130"	T-278	3-1/4"	LA-278	3-5/16"	L-278	3-3/8"	6-1/2"
1597cc	1600 Colt, Arrow, 1.6 L	71-87	77mm	3.031"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1834cc	4G93(D)	92-95	80.98mm	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
1995cc	2000 Colt, Arrow	75-78	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-860	3-9/16"	6-1/8"
1997cc	G6313(v) 2.0 L	91	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
2350cc	4G64(w) 2.4 L	92-95	86.5mm	3.405"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
2555cc	FW Engs., Colt 2.6 L	78-84	91.1mm	3.587"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
DAEWOO											
98 CID	LANOS 1.6L	99-02	79mm	3.110"	T-253	3.235"	LA-253	3.298"	L-253	3.360"	6"

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
DATSUN, NISSAN											
1237cc	A-12,A-12A 1.2 L	78-82	75mm	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"	6-1/2"
1270cc	E13,L-4 1.3 L	81-89	76mm	2.992"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1288cc	1-13,L-4 1.3 L	58-75	73mm	2.874"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1299cc	J-13, 1.3 L	61-74	73mm	2-7/8"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1397cc	A-14, 1.4 L	75-82	76mm	2.992"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1483cc	J15	71-89	78mm	3.071"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1488cc	210,310,A-15,1.5 L	80-87	76mm	2.992"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1595cc	L-16 1.5 L	68-73	83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
1597cc	CA16D, E	87	78mm	3.071"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1597cc	1.6 L	93	76mm	2.992"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1597cc	GA16DE 1.6 L	82-99	76mm	2.992"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1680cc	CD17	82-86	80mm	3.150"	T-254	3.275"	LA-54	3.337"	L-254	3.399"	6-1/2"
1770cc	L-18	73-75	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
1952cc	L-20B, 2.0 L	74-80	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
1974cc	CA20S,C20E 2.0 L	82-89	84.5mm	3.326"	T-270C	3.457"	LA-270C	3.522"	L-270C	3.582"	6-3/16"
1982cc	U20	67-70	83mm	3.267"	T-259	3.383"	LA-259	3.456"	L-259	3.518"	7-1/4"
1998cc	SR20DE 2.0 L	91-99	86mm	3.391"	T-286	3.516"	LA-286	3.578"	L-286	3.641"	5.260"
2000cc	SRL-311	67-70	87.2mm	3.435"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2187cc	200SX,Z22E, 2.2 L	80-83	87mm	3.425"	T-265C	3-9/16"	LA-265C	3-5/8"	L-265C	3-11/16"	6.150"
2389cc	KA24DE	89-00	89mm	3.503"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
2389cc	Z24	83-90	89mm	3.503"	T-608	3-5/8"	LA-608	3-11/16"	L-608	3-3/4"	7-1/8"
2393cc	L-24, 810, 2.4 L	78-84	83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
2398cc	KA-24E 2.4 L	85-95	89mm	3.504"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
2400cc	L-26	78-80	83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
2488cc	SD-25 2.5 L	83-88	89mm	3.504"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
2565cc	L-26	74-75	83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
2753cc	I-28, 280Z, 2.8 L	75-83	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
	SD-22 Diesel	81-82	83mm	3.267"	Replacement Sleeve Part No. FL-3131						6.930"
2960cc	VG30DE 3.0 L	89-98	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2988cc	VQ30DE 3.0 L	96	93mm	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
FERRARI											
	212 V-12		68mm	2.677"	Replacement Sleeve Part No. FL-3110						
	206 GT Dino		86mm	3.385"	Replacement Sleeve Part No. FL-3139						
	250 GT 128B	1956	73mm	2.874"	Replacement Sleeve Part No. FL-3171						4.170"
	250 GT 128F	1961	73mm	2.874"	Replacement Sleeve Part No. FL-3170						4.018"
	250 GT A57 Tour de France	1973	73mm	2.874"	Replacement Sleeve Part No. FL-3220						4.035"
	275 GTB V-12		77mm	3.031"	Replacement Sleeve Part No. FL-3111						4.015"
	308 GTB		81mm	3.188"	Replacement Sleeve Part No. FL-3108						
	308 2 Valve Carb	75-79	82mm	3.228"	Replacement Sleeve Part No. FL-3178						4.765"
2927cc	308 4 Valve V-8, 328 GTB, GTS V-8		81mm	3.188"	Replacement Sleeve Part No. FL-3140 (original sleeve is aluminum)						4.764"
	330 GTC V-12		77mm	3.031"	Replacement Sleeve Part No. FL-3109 O.D. 3.231						4.671"
	330 GT V-12		77mm	3.031"	Replacement Sleeve Part No. FL-3130 O.D. 3.271						4.767"
	360 V-8 Modena	2001	85mm	3.346"	Replacement Sleeve Part No. FL-3190						4.845"
	365 GTB4		81mm	3.188"	Replacement Sleeve Part No. FL-3112						4.770"
All Ferrari Sleeve Deck Height Lengths are +.010					Custom Sleeves Allow 6 Weeks Delivery						

CUT TO LENGTH SLEEVES FOREIGN CARS

L.A. SLEEVE

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
FIAT											
633cc	600 Berlina	55-61	60mm	2.362"	T-228	2.478"	LA-228	2.549"	L-228	2.612"	4.527"
767cc	600D	61-66	62mm	2.440"	T-207F	2-9/16"	LA-207F	2-5/8"	L-207F	2-11/16"	4.330"
817cc	850	68-69	64mm	2.519"	T-296	2.644"	LA-296	2.706"	L-296	2.769"	6-1/2"
843cc	850	65-68	65mm	2.559"	T-209F	2-11/16"	LA-209F	2-3/4"	L-209F	2-13/16"	4.409"
903cc	850	70-73	65mm	2.559"	T-209F	2-11/16"	LA-209F	2-3/4"	L-209F	2-13/16"	4.409"
1089cc	1100, 1100R	57-62	68mm	2.677"	T-238F	2-11/16"	LA-238F	2-7/8"	L-238F	2-15/16"	5.826"
1116cc	128	72-73	80mm	3.150"	T-298	3.275"	LA-298	3.337"	L-298	3.399"	5-15/16"
1197cc	124	66-69	73mm	2-7/8"	T-214F	3"	LA-214F	3-1/16"	L-214F	3-1/8"	5.520"
1221cc	1100D, 1200	62-66	72mm	2.834"	T-56F	2.959"	LA-56F	3.022"	L-56F	3.085"	5.826"
1290cc	128, 128SL	73-75	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
1608cc	124, 124B	71-73	80mm	3.150"	T-254F	3.275"	LA-254F	3.337"	L-254F	3.399"	5-5/8"
1756cc	124, 131	74-78	84mm	3.307"	T-281F	3-7/16"	LA-281F	3-1/2"	L-281F	3-9/16"	5-5/8"
FORD COURIER											
1599cc	Fiesta	78	80.98mm	3.188"	T-603C	3-5/16"	LA-603C	3-3/8"	L-603F	3-7/16"	5-5/16"
1796cc		72-78	78mm	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1970cc	Courier 2.0 L	79-82	80mm	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
2791cc	2800	79	93mm	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
80.8cc	Festiva 1.3 L	88-90	71mm	2.793"	T-291A	2.940"	LA-291A	2.982"	L-291A	3.045"	6"
GEO											
993cc	1.0 L	91-95	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1590cc	1.6 L	91-95	81.5mm	3.208"	T-279	3.333"	LA-279	3.395"	L-279	3.458"	6-1/2"
1590cc	1.6 L	91-95	80mm	3.149"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
1803cc	1.8 L	92-95	80mm	3.149"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
	97/1.6 L	89-95	75mm	2.958"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
	97/1.6 L	89-90	80.98mm	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
	97/1.6 L	90-93	80mm	3.149"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
HILMAN											
	Minx MK IV to VII	50-59	65mm	2-9/16"	T-209	2-11/16"	LA-209	2-3/4"	L-209	2-13/16"	6-1/4"
1390cc	Minx MK VIII	55-56	76.2mm	3"	T-31C	3-1/8"	LA-31C	3-3/16"	L-31C	3-1/4"	6"
1494cc	Minx Series III,IIIA	59-61	78.99mm	3.110"	T-253	3.235"	LA-253	3.298"	L-253	3.360"	6"
1592cc	Minx 1600	61-65	81.5mm	3.210"	T-256	3.335"	LA-256	3.401"	L-256	3.464"	6"
1600cc	Avenger		87mm	3-7/16"	T-703	3-9/16"	LA-703	3-5/8"	L-703	3-11/16"	7-1/2"
1725cc	Minx GT	66-70	81.5mm	3.210"	T-256	3.335"	LA-256	3.401"	L-256	3.464"	6"
HONDA											
1200cc	Civic	73	70mm	2.755"	T-212C	2-7/8"	LA-212C	2-15/16"	L-212C	3"	7"
1238cc	Civic EB, 1.2 L	74-79	72mm	2.834"	T-56	2.959"	LA-56	3.022"	L-56	3.085"	6-1/4"
1335cc	Civic DX, EJ1	80-83	72mm	2.834"	T-56	2.959"	LA-56	3.022"	L-56	3.085"	6-1/4"
1488cc	CVCC, 1.5 L	75-87	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1493cc	D15B1,B2,B6 1.5 L	88-95	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
1500cc	Civic CVCC, 1.5 L	75-80	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1590cc	D16A6 Civic Delsol, 1.6 L	92-00	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
1600cc	Accord, 1.6 L	77-78	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
	D16 1.6 L		74mm	2.913"	Flanged Ductile Iron Performance Sleeve Part No. FL-3216					5.275"	
1751cc	Accord, 1.8 L	79-83	77mm	3.031"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1829cc	A18, ES1, ET2	83-87	80mm	3.150"	T-298	3.275"	LA-298	3.337"	L-298	3.399"	5-13/16"
1955cc	A20, BS1	85-89	87.2mm	3.256"	T-34	3-3/8"	LA-34	3-7/16"	L-34	3-1/2"	7-1/4"
1958cc	B20, F20A5 2.0 L	88-91	81mm	3.188"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
HONDA (Cont.)											
2056cc	B21A1 2.1 L	90-91	83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
2156cc	F22A1,A4,A6 2.2 L	90-97	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
2156cc	H22A1 2.2 L	96	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2259cc	H23A1 2.3 L	92-95	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
	1.6, 1.7, 1.8 L		80mm	3.150"	Flanged Ductile Iron Sleeve Part No. FL-3186/FL-3186A						5-1/2"
HYUNDAI											
1468cc	1.5 L	86-95	75.5mm	2.972"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
1596cc	1.6 L	92-95	82.5mm	3.248"	T-34A	3.373"	LA-34A	3.438"	L-34A	3.498"	6-1/2"
1597cc	1.6 L	85-90	76.9mm	3.027"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1836cc	1.8 L	93-95	80.5mm	3.169"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
1997cc	2.0 L	92-95	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
2351cc	2.4 L	88-91	86.5mm	3.405"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
2972cc	3.0 L	89-95	91.1mm	3.586"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
INFINITI											
1998cc	SR20DE(C) 2.0 L	91-99	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
2960cc	VG30DE(A,H) 3.0 L	91-95	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
4494cc	VH45DE(N) 4.5 L	91-95	93mm	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
ISUZU											
1471cc	4XC1	85-89	77mm	3.031"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1588cc	4XE1-WT-V 1.6 L	86-93	80mm	3.149"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
1809cc	4XE1-W 1.8 L	92	80mm	3.149"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
1817cc	G-180, Z 1.8 L	81-85	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1949cc	G-2009, Z 1.9 L	83-87	87mm	3.425"	T-265C	3-9/16"	LA-265C	3-5/8"	L-265C	3-11/16"	6.150"
1994cc	4ZC-1 4.2 L	85-89	88mm	3.465"	T-272V	3.590"	LA-272V	3.642"	L-272V	3.715"	6-1/2"
2254cc	4ZD1 2.3 L	86-95	89mm	3.503"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
2259cc	4ZE1 2.6 L	88-90	92.5mm	3.642"	T-861	3.771"	LA-861	3.833"	L-861	3.895"	6-1/2"
	353, 5.7L		102mm	4.016"	T-40A	4-1/8"	LA-40A	4-3/16"	L-40A	4-1/4"	6-1/4"
2259cc	Trooper II, 2.6 L	88-92	92.6mm	3.646"	T-861	3.771"	LA-861	3.833"	L-861	3.895"	6-1/2"
2827cc	LL2	88-92	89mm	3.503"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
3137cc	CPC	91-94	89mm	3.503"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
4300cc	W, X	96-00	101.6mm	4"			LA-40	4-3/16"	L-40	4-1/4"	6"
JAGUAR											
2483cc	XK120,140,150 MK,I,II	56-68	83mm	3.268"	T-259	3.383"	LA-259	3.456"	L-259	3.518"	7-1/4"
3781cc	MK II,3.8 MK, IX, XKE	59-64	87mm	3.425"	T-265	3-9/16"	LA-265	3-5/8"	L-265	3-11/16"	7-1/8"
4235cc	4.2L, MK X&E, XJ6	64-76	92mm	3.622"	T-268	3.765"	LA-268	3.817"	L-268	3.880"	7"
JENSEN-HEALEY (LOTUS)											
	903		94mm	3.700"	Flanged Replacement Sleeve Part No. FL-3128						5.375"
LAMBORGHINI											
	4.0L V-12		82mm	3.228"	Flanged Replacement Sleeve Part No. FL-3183						4.252"
	5.0L		85.5mm	3.366"	Flanged Replacement Sleeve Part No. FL-3151						4.365"
LEXUS											
2508cc	2VZ-FE 2.5 L	91	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2959cc	3VZ-FE 3.0 L	92-95	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2997cc	2JZ-GE 3.0 L	92-95	86mm	3.391"	T-286A	3.516"	LA-286A	3.578"	L-286A	3.641"	6"
3969cc	1VZ-FE 4.0 L	91-95	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
3969cc	2.6 L	94-96	87.6mm	3.457"	T-272	3.582"	LA-272	3.647"	L-272	3.707"	6"

CUT TO LENGTH SLEEVES FOREIGN CARS

L.A. SLEEVE

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
MASERATI											
	V-6, 2.7 L	71-72	87mm	3.425"	Flanged Replacement Sleeve Part No. FL-3102						5.060"
	V-6 3L End Sleeve	73-81	91.6mm	3.609"	Flanged Replacement Sleeve Part No. FL-3100E						5.060"
	V-6 3L Center Sleeve	73-81	91.6mm	3.609"	Flanged Replacement Sleeve Part No. FL-3101C						5.060"
	3.5L In-Line 6 cyl.		88mm	3.464"	Flanged Replacement Sleeve Part No. FL-3192E End Sleeve						6.062"
	3.5L In-Line 6 cyl.		88mm	3.464"	Flanged Replacement Sleeve Part No. FL-3192C Center Sleeve						6.062"
	3.7L In-Line 6 cyl.		86mm	3.385"	Flanged Replacement Sleeve Part No. FL-3105						6.195"
	4.0L In-Line 6 cyl.		88mm	3.464"	Flanged Replacement Sleeve Part No. FL-3106						6.350"
	4.0L V-8		88mm	3.464"	Flanged Replacement Sleeve Part No. FL-3134						
	4.2L V-8 End Sleeve		94mm	3.700"	Flanged Replacement Sleeve Part No. FL-3104E						5.625"
	4.2L V-8 Center Sleeve		94mm	3.700"	Flanged Replacement Sleeve Part No. FL-3104C						5.625"
	4.3L V-8	2002	92mm	3.622"	Flanged Replacement Sleeve Part No. FL-3191						6.062"
	4.7L V-8		88mm	3.464"	Flanged Replacement Sleeve Part No. FL-3107						5.535"
MAZDA											
1000cc		68-74	68mm	2.677"	T-238M	2-13/16"	LA-238M	2-15/16"	L-238M	2-15/16"	6-1/2"
1169cc	1200	70-72	70mm	2.755"	T-212M	2-7/8"	LA-212M	2-15/16"	L-212M	3"	6-1/2"
1272cc	Mizer, GLC, TC 1.3L	76-79	73mm	2.874"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1490cc	GLC, ES 1.5 L	79-85	77mm	3.031"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1586cc	616,B-1600,808,1.6L	70-78	78mm	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1597cc	BE6 1.6L	86-95	78mm	3.071"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1597cc	MX-3, 1.6L	93	78mm	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1769cc	LA2V,3V,SV2A CB1V929, 1.8 L		80mm	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
1796cc	VB, 618, 1800, 1.8L	70-78	78mm	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1970cc	626 MA, 2.0 L	78-84	80mm	3.150"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"
180/3.0L	929 MPV	88-91	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
1839cc	BPE-D 1.8L	90-00	83mm	3.268"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
1844cc	K8D 1.8L	92-95	74.689mm	2.940"	T-215T	3-1/16"	LA-215T	3-1/8"	L-215T	3-3/16"	5-3/4"
1991cc	FS 2.0L	93-95	83mm	3.268"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
1998cc	B2000,626 2.0L	83-87	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
2184cc	F2,L4 2.2L	87-93	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
2209cc	B2200 2.2L	82-84	88.9mm	3.500"	T-20	3-5/8"	LA-20	3-11/16"	L-20	3-3/4"	6"
2255cc	KJ 2.3L	96	80.3mm	3.150"	T-298	3.275"	LA-298	3.337"	L-298	3.399"	5-15/16"
2298cc	A	94	96mm	3.780"	T-28A	3.906"	LA-28A	3.968"	L-28A	4-1/32"	6"
2496cc	KL 2.5L	93-95	84.5mm	3.331"	T-008	3.456"	LA-008	3.520"	L-008	3.580"	6"
2954cc	JE 3.0L	91-95	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
2954cc	U	94-97	89mm	3.503"	T-20A	3-5/8"	LA-20A	3-11/16"	L-20A	3-3/4"	5-5/16"
3996cc		91-92	100.4mm	3.953"	T-006	4.078"	LA-006	4.143"	L-006	4.203"	6-9/16"
4016cc	X	91-00	100.4mm	3.952"			LA-006	3.137"	L-006	4.200"	6-7/8"
MERCEDES											
1767cc	170D, 180D, OM636	49-61	75mm	2.952"	Flanged Replacement Sleeve Part No. FL-006						
1767cc	170D, 180D, OM636	49-61	75mm	2.952"			LA-247	3.140"	L-247	3.202"	7-1/2"
1897cc	190, 190D	51-61	85mm	3.346"	Flanged Replacement Sleeve Part No. FL-007						
1897cc	190, 190D	51-61	85mm	3.346"			LA-270	3.533"	L-270	3.596"	6.160"
1897cc	180D, 190D, 200D, OM621	62-67	87mm	3.425"	Flanged Replacement Sleeve Part No. FL-004						6.230"

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
MERCEDES (Cont.)											
1897cc	180D, 190D, 200D, OM621	62-67	87mm	3.425"			LA-265C	3-5/8"	L-265C	3-11/16"	6.150"
2197cc	220,M115,220D, OM615	68-73	87mm	3.425"	T-265	3-9/16"	LA-265	3-5/8"	L-265	3-11/16"	7-1/8"
2298cc	2.3L	91-92	95.5mm	3.763"	T-39D	3.888"	LA-39D	3.953"	L-39D	4.013"	6-7/16"
2307cc	230,Eng. M115	74 on	93.75mm	3.961"	T-37	3-13/16"	LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
2376cc	240D, Eng. OM616	74	91mm	3.582"	Flanged Replacement Sleeve Part No. FL-005						6.230"
2376cc	240D, Eng. OM616	74	91mm	3.582"			LA-005	3.769"	L-005	3.832"	6-1/4"
2497cc	2.5L	91-92	87mm	3.425"	T-265	3-9/16"	LA-265	3-5/8"	L-265	3-11/16"	7-1/8"
2597cc	2.6L	91-92	83mm	3.267"	T-259	3.383"	LA-259	3.456"	L-259	3.518"	7-1/4"
2746cc	280,C,CE,S,SE,Eng. OM110	73	86mm	3.385"	T-70	3-1/2"	LA-70	3-9/16"	L-70	3-5/8"	7-3/8"
2778cc	250C,280S,300SEL, Eng. M130	68-72	86.5mm	3.4055"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
2960cc	3.0L	91-95	88.5mm	3.484"	T-362	3.615"	LA-362	3.673"	L-362	3.735"	6-1/2"
3005cc	300D,CD, Eng.OM617	75 on	91mm	3.582"	Flanged Replacement Sleeve Part No. FL-005						6.230"
3005cc	300D,CD, Eng.OM617	75 on	91mm	3.582"			LA-005	3.769"	L-005	3.832"	6-1/4"
3199cc	3.2L	92	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
3499cc	280E, 300SEL, Eng. M116	70-71	92mm	3.622"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
3499cc	3.5 L	91-92	89mm	3.500"	T-708	3-5/8"	LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
4196cc	4.2 L	91-95	83mm	3.267"	T-259	3.383"	LA-259	3.456"	L-259	3.518"	7-1/4"
4520cc	280SE,300SEL,450SE	72-73	92mm	3.622"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
4972cc	5.0 L	91-95		3.800"			LA-25A	3.987"	L-25A	4.050"	6"
5547cc	5.6 L	91		3.800"			LA-25	3.987"	L-25	4.050"	6-7/8"
5987cc	6.0 L	92	89mm	3.500"	T-708	3-5/8"	LA-708	3-11/16"	L-708	3-3/4"	6-3/4"
6329cc	300SEL,600,Eng.M100	65-72	103mm	4.055"			LA-60	4-15/64"	L-60	4-19/64"	6-3/8"
	500 GAS		96mm	3.799"	Flanged Replacement Sleeve Part No. FL-3113						6.060"
MG											
948cc	Midget MK I	61-62	62.9mm	2.4775"	T-230	2.606"	LA-230	2.665"	L-230	2.727"	5.156"
1098cc	100, MK I, II, III	62-67	64.576mm	2.542"	T-232	2.667"	LA-232	2.729"	L-232	2.792"	5.280"
1250cc	TD, TC, TF	39-58	66.5mm	2.618"	T-29	2-3/4"	LA-29	2-13/16"	L-29	2-7/8"	6-1/4"
1275cc	MK III	67-74	70.612mm	2.780"	T-243G	2.905"	LA-243G	2.967"	L-243G	3.030"	6-1/2"
1466cc	TF-1500	54-55	72mm	2.834"	T-56	2.959"	LA-56	3.022"	L-56	3.085"	6-1/4"
1489cc	MGA, Magnette	59-62	73.025mm	2-7/8"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1493cc	MK IV	75-79	73.647mm	2.899"	T-275	3.025"	LA-275	3.087"	L-275	3.150"	6-1/4"
1588cc	MGA MK I	59-61	75.387mm	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
1622cc	Magnette MK IV, MGA, MK II	61	76.187mm	2.999"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1798cc	MGB, GT	62-79	80.251mm	3.159"	T-255	3.275"	LA-255	3.337"	L-255	3.399"	6-1/4"
2912cc	MGC, MGC/CT	68-69	83.325mm	3.280"	T-260	3.407"	LA-260	3.468"	L-260	3.530"	6-1/2"
MITSUBISHI											
1088cc	KE44,L4 1.1 L	67-70	73mm	2.874"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1238cc	4G36,L4 1.2 L	75-78	73mm	2.874"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1289cc	4G30,L4 1.3 L	69-71	73mm	2.874"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1410cc	L4 1.4 L	78-83	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1439cc	4G33,L4 1.4 L	74-88	73mm	2.874"	T-214B	3"	LA-214B	3-1/16"	L-214B	3-1/8"	6-1/2"
1468cc	4G15, 1.5L	90-96	75.387mm	2.968"	T-248	3.093"	LA-248	3.156"	L-248	3.218"	6-1/2"
1597cc	G32B, 1.6L	71-89	76.9mm	3.028"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1597cc	4G61, 1.6L	91-92	82.25mm	3.240"	T-34A	3-3/8"	LA-34A	3-7/16"	L-34A	3-1/2"	6-1/2"

CUT TO LENGTH SLEEVES FOREIGN CARS

L.A. SLEEVE

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
MITSUBISHI (Cont.)											
1755cc	4G37, 1.8L	90-95	80.6mm	3.173"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
1795cc	G62B, 1.8L	83-88	80.6mm	3.173"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
1995cc	2.0L	74-88	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1997cc	4G63, 2.0L	83-95	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
2351cc	4G64, 2.4L	83-97	86.5mm	3.405"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
2555cc	G-54B, 2.6L	78-92	91.1mm	3.582"	T-005	3.712"	LA-005	3.796"	L-005	3.832"	6-1/4"
2972cc	4G72, 3.0L	78-97	91.1mm	3.586"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
OPEL											
993cc	Kadette	62-65	72mm	2.834"	T-56	2.959"	LA-56	3.022"	L-56	3.085"	6-1/4"
1078cc	Kadette, GT 1100	66-71	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
1492cc	Kadette	67-68	82.5mm	3.248"	T-002	3.353"	LA-002	3.415"	L-002	3.478"	6"
1817cc		76 on	84mm	3.307"	T-607	3-7/16"	LA-607	3-1/2"	L-607	3-9/16"	7-1/2"
1897cc	GT 1900	70-75	93mm	3.661"	T-359	3.786"	LA-359	3.848"	L-359	3.911"	7"
	Rekord 2000	77	86.5mm	3.405"	T-59	3.525"	LA-59	3.587"	L-59	3.650"	7"
	Rekord 2100D	72	88mm	3.465"	T-272	3.590"	LA-272	3.642"	L-272	3.715"	6"
2490cc	Commodore B	72	87mm	3.425"	T-265	3-9/16"	LA-265	3-5/8"	L-265	3-11/16"	7-1/8"
PEUGEOT											
1800cc	306		83mm	3.268"	Flanged Replacement Sleeve Part No. FL-3208					5.556"	
PORSCHE											
	944		100mm	3.937"	Flanged Replacement Sleeve Part No. FL-3209					5-3/4"	
	996TT Wet Liner		100mm	3.937"	Flanged Replacement Sleeve Part No. FL-3217					4.725"	
RENAULT											
	R14 4 Cyl Wet		76mm	2.992"	Flanged Replacement Sleeve Part No. FL-3176					5.275"	
SAAB											
1699cc	95, 96 Sonnett III	71-74	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
1709cc	99	69-71	83.487mm	3.286"	T-260	3.407"	LA-260	3.468"	L-260	3.530"	6-1/2"
1854cc	99	72-73	86.987mm	3.427"	T-265	3-9/16"	LA-265	3-5/8"	L-265	3-11/16"	7-1/8"
1985cc	99L, LE, EMs	73-74	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
1985cc	B202L 2.0 L	91-95	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
2119cc	B212i 2.1 L	91-95	93mm	3.661"	T-353	3.786"	LA-353	3.848"	L-353	3.911"	6-1/2"
2290cc	B234i,LPT 2.3 L	91-96	90mm	3.543"	T-273	3.668"	LA-273	3.730"	L-273	3.793"	6-1/2"
SIMCA											
944cc	1000	62-68	68mm	2.677"	T-238	2-13/16"	LA-238	2-7/8"	L-238	2-15/16"	5-1/4"
1118cc		68-70	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1204cc		69-71	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1294cc	2R GT1308	71-76	76.7mm	3.020"	T-860	3-5/32"	LA-860	3-7/32"	L-860	3-9/32"	6-1/8"
1475cc	1500	64-70	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
	160GT/180	72	87.7mm	3.435"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
SUBARU											
1088cc	EA 61 1.1L	70-72	76mm	2.992"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1189cc	Justy-GL 1.2L	91-93	78mm	3.070"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1361cc	1400,DL,GL,GF,4W 1.4L	73-76	85mm	3.346"	T-270	3.471"	LA-270	3.533"	L-270	3.596"	6-3/16"
1595cc	1600 DL,GL4WD 1.6L	76-84	92mm	3.622"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
1781cc	Brat, EA81, 1.8 L	80-84	92mm	3.622"	T-24	3-3/4"	LA-24	3-13/16"	L-24	3-7/8"	6"
1781cc	XTGL 1.8 L	91-95	92mm	3.624"	T-24	3-3/4"	LA-24	3-13/16"	L-24	3-7/8"	6"
2212cc	Legacy 2.2 L	91-95	96.25mm	3.821"	T-43	3-15/16"	LA-43	4"	L-43	4-1/16"	6-5/8"
2672cc	XT-6 2.7 L	91	92mm	3.624"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
3318cc	SVX 3.3 L	92-95	96.25mm	3.821"	T-43	3-15/16"	LA-43	4"	L-43	4-1/16"	6-5/8"

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
SUNBEAM											
1390cc	Rapier Series 1	56-58	76.2mm	3"	T-31	3-1/8"	LA-31	3-3/16"	L-31	3-1/4"	6-3/8"
1494cc	Series I, II, III	58-61	78.99mm	3.110"	T-253	3.235"	LA-253	3.298"	L-253	3.360"	6"
1725cc	Series, IIIA, V, GT	61-70	81.539mm	3.210"	T-256	3.335"	LA-256	3.401"	L-256	3.464"	6"
260CU	Tiger V8	64		3.800"			LA-25A	3.987"	L-25A	4.050"	6"
SUZUKI											
1298cc	1.3 L, G10, G13	85-96	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
97 CID	1.6 L	89-92	75mm	2.952"	T-276	3.077"	LA-276	3.140"	L-276	3.202"	6-1/2"
	I285-4 (LJ20)	1972	61mm	2.401"	Flange Sleeve		FL-3166	2.590"			4.765"
TOYOTA											
1078cc	Corolla 1100, KC Eng	68-70	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
1165cc	Corolla 1200,3KC	71-79	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
1290cc	4KC 1.3 L	81-84	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
1452cc	1AC Tercel	79-88	77.5mm	3.051"	T-602	3-3/16"	LA-602	3-1/4"	L-602	3-5/16"	6-1/2"
1457cc	3 E-E 1.5 L	87-95	73mm	2.875"	T-214A	3"	LA-214A	3-1/16"	L-214A	3-1/8"	6"
1495cc	5 EFE 1.5 L	94-95	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1497cc	1.3 L, 5 EFE	92-98	74mm	2.913"	T-245	3.038"	LA-245	3.100"	L-245	3.163"	6-1/2"
1587cc	1600 RT81, 12R	71-73	80.5mm	3.169"	T-361	3.295"	LA-361	3.357"	L-361	3.420"	6-1/2"
1587cc	4A-FE-GE 1.6L	83-97	81mm	3.189"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
1588cc	Corolla 1600, 2TC Eng. 1.6 L	71-79	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
1626cc	1Y, L4 1.0 L	83-88	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
1762cc	7A-FE 1.8L	93-97	81mm	3.189"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
1770cc	Corolla 1.8 L	79-82	85mm	3.346"	T-292	3.471"	LA-292	3.533"	L-292	3.596"	6-1/2"
1808cc	16R,J,B,U 1.8 L	73-79	88.5mm	3.484"	T-362	3.615"	LA-362	3.673"	L-362	3.735"	6-1/2"
1812cc	2Y, L4 2.0 L	83-88	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
1839cc	Diesel 1.8 L	84-88	83mm	3.268"	T-259	3.383"	LA-259	3.456"	L-259	3.518"	7-1/4"
1858cc	Corona MK II, 8RC	70-74	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
1897cc	Crown, 3RB, 3RC	63-70	88mm	3.464"	T-272	3.590"	LA-272	3.642"	L-272	3.715"	6"
1968cc	Celica, Corona 18RC	72-75	88.5mm	3.484"	T-362	3.615"	LA-362	3.673"	L-362	3.735"	6-1/2"
1972cc	2IR, L-4	70-78	84mm	3.307"	T-281	3-7/16"	LA-281	3-1/2"	L-281	3-9/16"	6-1/2"
1994cc	5R	67-78	88mm	3.464"	T-272	3.590"	LA-272	3.642"	L-272	3.715"	6"
1995cc	2SELC	83-86	84mm	3.307"	T-281F	3-7/16"	LA-281F	3-1/2"	L-281F	3-9/16"	5-5/8"
1998cc	3YEC,38FE 2.0 L	84-00	86mm	3.385"	T-70D	3-1/2"	LA-70D	3-9/16"	L-70D	3-5/8"	6-1/2"
2164cc	5S-FE 2.2 L	91-95	87mm	3.425"	T-265C	3-9/16"	LA-265C	3-5/8"	L-265C	3-11/16"	6.150"
2188cc	L	81-83	92mm	3.622"	T-24	3-3/4"	LA-24	3-3/16"	L-24	3-7/8"	6"
2189cc	Celica, Corona 20R, 2.2 L	75-80	88.5mm	3.484"	T-362	3.615"	LA-362	3.673"	L-362	3.735"	6-1/2"
2237cc	44E,44EC 2.2 L	86-90	91mm	3.582"	T-005	3.712"	LA-005	3.769"	L-005	3.832"	6-1/4"
2253cc	Crown, 2M	67-71	75mm	2.952"	T-247A	3.077"	LA-247A	3.140"	L-247A	3.202"	6-1/4"
2367cc	122R, Celica, Corona 2.4 L	81-95	92mm	3.622"	T-23	3-3/4"	LA-23	3-13/16"	L-23	3-7/8"	6-11/16"
2438cc	Tacoma 2.4 L	96-02	95mm	3.740"			LA-87	3.925"	L-87	3.987"	6-3/8"
2563cc	Corona MKII 4M,2.6L	73-80	80mm	3.149"	T-254	3.275"	LA-254	3.337"	L-254	3.399"	6-1/2"

CUT TO LENGTH SLEEVES FOREIGN CARS

L.A. SLEEVE

DISP.	ENGINE MODEL	YEAR	CYLINDER BORE		1/16" Wall		3/32" Wall		1/8" Wall		Sleeve Length
			MM	INCHES	PART NO.	O.D.	PART NO.	O.D.	PART NO.	O.D.	
TOYOTA (Cont.)											
2507cc	2VE-FE 2.5 L	89-91	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2759cc	122R Eng., Celica Corona 2.4L	81-88	83mm	3.268"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
	2.7 L 165 3RZFE T100	94-01	95mm	3.740"			LA-87	3.925"	L-87	3.987"	6-3/8"
2952cc	3VZ-FE 3.0 L	93	87mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
2956cc	7 MGE 3.0 L	86-92	83mm	3.268"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
2995cc	1 MZ-FE 3.0 L	96	87.3mm	3.437"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
3878cc	Landcruiser, FJ25, FJ40 Eng.	60-74	90mm	3.543"	T-273T	3.668"	LA-273T	3.730"	L-273T	3.793"	7"
	Diesel P.U.	81	90mm	3.543"	Flanged Replacement Sleeve Part No. FL-3129						
4230cc	Landcruiser, 2F Eng.	74-92	94mm	3.700"			LA-37	3-7/8"	L-37	3-15/16"	6-5/8"
180/3.0L	7 MGE	86-91	82.99mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"
2959cc	3VZ-E 3.0 L	86-95	87.5mm	3.445"	T-38	3-9/16"	LA-38	3-5/8"	L-38	3-11/16"	6"
	Sienna 6-Cyl.	98	87.406mm	3.441"	Flanged Replacement Sleeve Part No. FL-3219						5.190"
2977cc	Landcruiser Diesel "B" engine		95mm	3.740"	Flanged Replacement Sleeve Part No. FL-3207						7.480"
TRIUMPH											
948cc	Herald	58-61	63mm	2.480"	T-230	2.606"	LA-230	2.665"	L-230	2.727"	5.156"
1147cc	Spitfire MK II	62-67	69.289mm	2.727"	T-274	2.852"	LA-274	2.915"	L-274	2.978"	5-5/16"
1296cc	Spitfire MK III,IV	67-72	73.647mm	2.899"	T-275	3.025"	LA-275	3.087"	L-275	3.150"	5-5/16"
1493cc	Spitfire MK IV	73-80	73.647mm	2.899"	T-275T	3.025"	LA-275T	3.087"	L-275T	3.150"	6-1/4"
1998cc	GT6, MKI,II,III,2000	66-74	74.689mm	2.940"	T-215T	3-1/16"	LA-215T	3-1/8"	L-215T	3-3/16"	5-3/4"
1998cc	TR-7	75-80	90.287mm	3.554"	T-21A	3-11/16"	LA-21A	3-3/4"	L-21A	3-13/16"	6"
2186cc	TR-2 up to TR4A		87mm	3.428"	Flanged Replacement Sleeve Part No. FL-3136						6.760"
2498cc	TR250, TR6	68-76	74.689mm	2.940"	T-215T	3-1/16"	LA-215T	3-1/8"	L-215T	3-3/16"	5-3/4"
2997cc	Stag	71-73	85.987mm	3.385"	T-70T	3-1/2"	LA-70T	3-9/16"	L-70T	3-5/8"	5-3/4"
VOLKSWAGEN											
1457cc	1.5L	77-92	79.5mm	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
1471cc	1.5L	74-80	76.5mm	3.011"	T-277	3-1/8"	LA-277	3-3/16"	L-277	3-1/4"	6-1/2"
1588cc	Rabbit Scirocco 1.6L	76-80	79.5mm	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
1588cc	1V 1.6L	81-95	76.5mm	3.011"	T-277	3-1/8"	LA-277	3-3/16"	L-277	3-1/4"	6-1/2"
1715cc	Jetta, Quantum 1.7L	81-83	79.5mm	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
	300 Type 1, 111		90mm	3.543"	Chromoloy Alloy Cylinders - 4 Per Set V-3116S						
	300 Type 1, 111		92mm	3.622"	Chromoloy Alloy Cylinders - 4 Per Set V-3117S						
	300 Type 1, 111		94mm	3.700"	Chromoloy Alloy Cylinders - 4 Per Set V-3118S						
1780cc	RV-PF-JH 1.8L	83-95	81mm	3.189"	T-603	3-5/16"	LA-603	3-3/8"	L-603	3-7/16"	6-1/2"
110 cid	1.8L Passat	98-00	82.04mm	3.230"	T-002	3.353"	LA-002	3.415"	L-002	3.478"	6"
1984cc	9A 2.0L	91-94	82.5mm	3.248"	T-34A	3-3/8"	LA-34A	3-7/16"	L-34A	3-1/2"	6-1/2"
2144cc	2.1L	83-84	79.5mm	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
2226cc	2.2L	85-88	79.5mm	3.130"	T-706A	3-1/4"	LA-706A	3-5/16"	L-706A	3-3/8"	6-7/8"
2860cc	AAA 2.8L	92-95	81.5mm	3.208"	T-279	3.333"	LA-279	3.395"	L-279	3.458"	6-1/2"
VOLVO											
2316cc	B-230F 2.3L	91-95	95.25mm	3.781"	T-28A	3.906"	LA-28A	3.968"	L-28A	4.032"	6"
2922cc	B-6304F 2.9L	92-95	83mm	3.267"	T-288	3.392"	LA-288	3.454"	L-288	3.517"	6-1/2"

CUSTOM SLEEVES

L.A. SLEEVE CO. produces centrifugally spun-cast chrome-moly iron alloy cylinder sleeves for all engine repair markets, which include Automotive, Drag Race, Nascar, Indy Car, Circle Track, Heavy Duty, Industrial, Tractor, Motorcycle, ATV, PWC, Snowmobile and Marine Industries.

Since the acquisition of our first CNC lathe in 1980, our manufacturing facility has grown to over 30,000 square feet and is filled with more than 30 CNC lathes and mills. We produce high quality cylinder sleeves accurately and efficiently.

Centerless grinding of outside diameters of LASC0 sleeves provides for exact roundness and exact size, which is controlled by rigid inspection of one-half thousandth of an inch. We invite comparison of our sleeves with other leading makes for size, roundness and finish.

Custom-made cylinder sleeves to your specifications are available from L.A.SLEEVE. Quantities from one sleeve to full production are gladly accepted.

In many instances, catalog item sleeves that are on the shelf may be close in size to fulfill the requirements. Call our technical staff, we will be glad to assist you!

The two most important elements of custom sleeve design are the size required and the material requirements. L.A.SLEEVE stocks an array of raw material sizes ranging from 1-3/4" (45mm) to 8" (200mm).

Cylinder sleeves may be manufactured in different wall thicknesses within this range.

There are three different materials that L.A.SLEEVE uses for custom sleeves. The first and most popular is the Moly 2000 chrome-moly iron. This material covers all applications from hi-performance to small engine. Moly 2000 iron is available in all sizes and the material chosen for ninety percent of all sleeves made. Unless otherwise specified, we make custom sleeves from this material.

The second material is ductile iron (also known as Nodular). This is a high tensile strength, air-quenched iron material and is used for specific high-performance applications such as fuel blown motors. Sleeve availability is limited to a small range of casting sizes.

The third available is aluminum, A355 centrifugally spun or A6061-T651 aluminum. Sleeve sizes are very limited. Also, aluminum sleeves are only made for applications where plating is required.

When designing a sleeve, you need to determine the wall thickness required. You may also design the sleeve using the inside diameter and outside diameter to produce the desired wall thickness.

The method to determine wall thickness: O.D. minus I.D. divided by 2 = wall thickness.

Next, determine the proper length. Finally, if a flange is required, determine the flange outside diameter and flange length (also known as flange thickness).

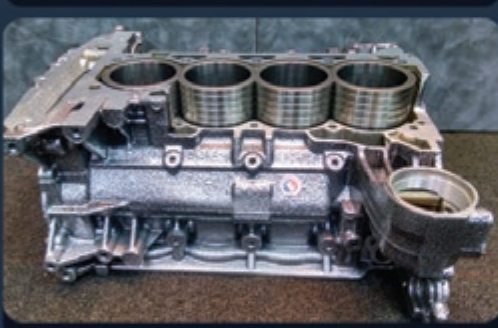
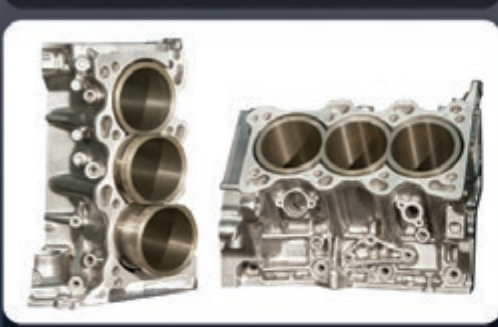
Allow the inside diameter to be .030" underside the actual finish bore size dimension. This will give the machine shop bore stock after the sleeve is installed into the cylinder or block. Always note the actual finish bore size as a reference on the drawing or dimension spec sheet.

Some sleeve applications require the bore size to be finish honed to the exact size. L.A.SLEEVE is able to provide the sleeve bore with a sized finish hone. Please be specific when requesting this application.

Some custom sleeves may require O-Ring grooves, flange clearances, notches or radius cuts. L.A.SLEEVE will machine any of these requirements into the custom sleeve. Provide a detailed drawing of all required custom machining and dimensions for a quotation.

Choose one of the drawing templates (Page 2) that most closely matches your requirement. Fill in the requested dimensions and FAX or email the drawing to L.A.SLEEVE for a quotation and delivery.

If you do not see a drawing that matches your requirement, simply provide your own drawing and we will quote the sleeve per your requirements. Or call direct for technical assistance in designing your custom sleeve. Our staff will be glad to help!





Serving The
Motorsports
Industry For
Over 70 Years



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