



CLASSIC offers total product quality with state-of-the-art die manufacturing and in-process controls. This insures that CLASSIC Sleeves are the finest available.

Rebuilders have always had a major concern with a groove worn in the crankshaft by the seal. A CLASSIC Sleeve gives the shaft a new surface for the seal to function properly.

Front Seal Area

Professional Engine Builders Use

CLASSIC SLEEVES for Crankshafts

CLASSIC Sleeves Offer The Following Benefits

1. CLASSIC Sleeves are manufactured using 430 Series stainless. This provides a very tough and durable surface.
2. CLASSIC Sleeves are polished at the factory to a surface finish of 10-20 Ra. Tests have shown this to be an ideal finish for the seal.
3. CLASSIC Sleeves are polished to a specific manner, creating a pattern that leads the surplus oil inward to the crankcase.
4. CLASSIC Sleeves can be repolished, if desired.
5. *CLASSIC SLEEVES ARE ALSO AVAILABLE IN "UNDERSIZE". THESE ARE KNOWN AS "B" PART NUMBERS.* The "B" sleeve is installed on a shaft that has been ground undersize to the specification provided. Once installed, this area is now back to a standard size. An added benefit to grinding undersize is that all groove wear is now eliminated instead of being "covered-up," which insures proper heat transfer.



MODEL	ORIGINAL SHAFT DIAMETER	SLEEVE WIDTH	CLASSIC SLEEVE TO FIT OVER ORIGINAL SHAFT	UNDERSIZE SLEEVE PART NO.	UNDERSIDE SLEEVE REGRIND TO
Ford 1.6L, 1.9L, 2.3L HSC, 2.5L CLASSIC tool to install this Sleeve: Part No. 1040	1.378"	.525"	(Regrind Only)	9960-B	1.355"
Ford 2.3L OHC CLASSIC tool to install this Sleeve: Part No. 1042	1.710"	.580"	(Regrind Only)	9961-B	1.688"
Ford Probe 2.2L CLASSIC tool to install this Sleeve: Part No. 1043	1.388"	.400"	(Regrind Only)	9962-B	1.315"
Ford Mercury Tracer 1.6L CLASSIC tool to install this Sleeve: Part No. 1044	1.180"	.390"	(Regrind Only)	9963-B	1.157"
Chrysler 2.2L FWD	1.378"	.375"	(Regrind Only)	9959-B	1.355"
Chrysler 2.2L, 2.5L, 3.3L	1.122"	.725"	(Regrind Only)	9958-B	1.099"
Chrysler 3.0L CLASSIC tool to install this Sleeve: Part No. 1045	1.458"	.380"	(Regrind Only)	9965-B	1.435"
Honda Acura B-18	1.496"	.425"	(Regrind Only)	9969-B	1.473"
Honda Civic	1.220"	.445"	(Regrind Only)	9981-B	1.197"
Mitsubishi 1.6L	1.732"	.400"	(Regrind Only)	9980-B	1.709"
Suzuki, GM Sprint 3 CYL	1.260"	.425"	(Regrind Only)	9979-B	1.237"
Toyota Camry 2.5L, 3.0L	1.575"	.575"	(Regrind Only)	9967-B	1.552"
Toyota Camry, Avalon, Lexus 4 CYL	1.654"	.600"	(Regrind Only)	9968-B	1.631"
Toyota 1452/1587cc 3A, 4A	1.260"	.525"	(Regrind Only)	9978-B	1.237"

Rear Main Seal Area

MODEL		ORIGINAL SHAFT DIAMETER	SLEEVE WIDTH	CLASSIC SLEEVE TO FIT OVER ORIGINAL SHAFT "A" SERIES	UNDERSIZE SLEEVE PART NO. "B" SERIES	UNDERSIDE SLEEVE REGRIND SHAFT TO
Buick	181 & 231 FWD	2.656"	.615"	9950-A	9950-B	2.633"
Cadillac	4.1L, 4.5L, 4.9L	2.832"	.490"	9925-A	9925-B	2.809"
Chevrolet	305 & 350 (Mid '86-Up)	3.737"	.800"	9937-A	9937-B	3.714
Chevrolet	2.0L & 2.8L, Saturn 1.6L	2.991"	.575"	9938-A	9938-B	2.968"
Chrysler	135/2.2L, 152/2.5L & 3.7L	3.584"	.545"	9942-A	9942-B	3.561"
Chrysler/Jeep	4.7L, 5.7L Hemi	3.936"	1.000"		9953-B	3.913"
Chrysler/Mitsu	2.0L/1997cc, 2.3L					
Toyota	2.4L, 2.6L, 2.8L, 3.0L	3.149"	.650"	9970-A	9970-B	3.126"
Honda	1.5L					
Chrysler	2.6L	3.148"	.835"	9943-A	9943-B	3.125"
Chrysler	3.0L/2972cc ('91-Up)	3.581"	.600"	9944-A	9944-B	3.559"
Ford	351 ('83-Up)	3.753"	.715"	9929-A	9929-B	3.730"
Ford	232 V-6, 4.6L V-8	3.625"	.890"	9930-A	9930-B	3.602"
Ford	302	3.625"	.690"	9931-A	9931-B	3.602"
Ford	240, 300	3.753"	.685"	9932-A	9932-B	3.730"
Ford	1.6L & 1.9L, 2.3L HSC & 2.5L	3.465"	.585"	9933-A	9933-B	3.422"
Ford	2.3L OHC, 2.0L	3.625"	1.140"	9935-A	9935-B	3.602"
Ford	180/3.0L	3.466"	1.035"	9940-A	9940-B	3.442"
Ford	171, 2.8L, 177, 192	2.375"	.675"	9941-A	9941-B	2.352"
Ford	351 (pre-'83)	3.750"	.715"	9947-A	9947-B	3.727"
Ford	Probe 2.2L	3.543"	.640"	9948-A	9948-B	3.520"
Ford	Mercury Tracer 98ci - 1.6L	3.268"	.580"	9949-A	9949-B	3.245"
GM	Quad-4/2.3L, 3800 V-6, FWD '88-Up	3.228"	.600"	9926-A	9926-B	3.205"
GM	4.8L, 5.3L, 6.0L	3.858"	.750"		9995-B	3.833"
GM	496 ci. (8.1L)	4.330"	1.180"		9996-B	4.307"
GM	6.5L Diesel	4.523"	.750"		9998-B	4.500"
GM	454	4.330"	1.300"		9999-B	4.307"
International	304, 345, 392, 466 (1st Regrind)	3.750"	.485"		9945-B	3.741"
International	304, 345, 392, 466	3.750"	.485"	9946-A	9946-B	3.727"
International	6.9L & 7.3L Diesel (1st Regrind)	3.750"	.575"		9954-B	3.741"
International	6.9L & 7.3L Diesel	3.750"	.575"	9955-A	9955-B	3.727"
Isuzu	1.8L/1817cc, 1.9L/1949cc	3.738"	.675"	9975-A	9975-B	3.715"
Isuzu	2.3L/2238cc	3.227"	1.000"	9973-A	9973-B	3.203"
Mazda	2.0L/1998cc, 2.2L/2184cc	3.542"	.560"	9974-A	9974-B	3.519"
Mitsubishi	1.5L/1468cc, 1.6L/1597cc					
Mitsu/Chrysler	1.5L/1468cc	2.834"	.950"	9971-A	9971-B	2.811"
Nissan	1.5L/1597cc, E15, E16					
Toyota	1.5L/1456cc, 3E, 3E-E	3.149"	.550"	9972-A	9972-B	3.126"
Nissan	2389cc, X24	3.150"	1.050"		9936-B	3.127"
Pontiac	2.5L (151)	2.988"	.485"	9939-A	9939-B	2.966"
Toyota	3.0L, 2.5L	3.625"	.450"	9976-A	9976-B	3.602"
Toyota	1452cc, 1587cc, 1588cc, 1715cc	3.348"	.525"		9957-B	3.325"
Toyota	20R, 22R	3.150"	1.100"		9934-B	3.127"

Harmonic Balancer / Hub Sleeves

MODEL		ORIGINAL SHAFT DIAMETER	SLEEVE WIDTH	CLASSIC SLEEVE TO FIT OVER ORIGINAL SHAFT	UNDERSIZE SLEEVE PART NO.	UNDERSIDE SLEEVE REGRIND TO
GM	1.8L, 2.0L, 2.5L, 3.2L, 3.3L, 3.5L, 3.8L, 3.9L, 4.1L, 4.3L, 4.4L, 5.0L, 5.7L	1.762"	.800"		9983-B	1.738"
International	All Engines	2.500"	.800"	9982		
Ford	302/351W		1.000"		9985-B	1.853"



47 Fairway Crescent
Amherstburg, Ontario, CN N9V 3T5
Shop 519.776.5608
Shop Toll Free 888.776.5608
Office 519.736.1351 Fax 519.736.1940
Frank Pavlich

3393 Lincoln Road, Unit 8
Hamilton, MI 49419
269.264.1200 Fax 269.264.1127
Toll Free 1-800-393-0544
George Hoving