



POWERSPORTS CATALOG

Performance and Replacement Sleeves



Arctic Cat ATV • Ariel • Bombardier / CAN AM • Bultaco • BSA • CZ
GAS GAS • Harley-Davidson • Honda MX/Dirt/Off-road
Honda ATV • Honda Street • Husqvarna • Indian • Kawasaki MX/
Dirt/Off-road Kawasaki ATV • Kawasaki Street
KTM MX/Dirt/Off-road • Maico • Polaris ATV
Suzuki MX/Dirt/Off-road • Suzuki ATV • Suzuki Street • Triumph
Vincent • Yamaha MX/Dirt/Off-road Yamaha ATV • Yamaha Street

Custom
Sleeves
Available



At Advanced Sleeve we ensure superior performance for your specific application. We manufacture our sleeves from a wide range of materials made in America which are second to none in quality.

1-866-753-3832 ■ www.advancedsleeve.com ■ sales@advancedsleeve.com

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Custom Sleeves

Advanced Sleeve will custom manufacture sleeves to your exact specifications.

Advanced Sleeve will custom manufacture sleeves from 2.125" to 5.000" bore and lengths up to 8". From straight sleeves to the most complex sleeve designs, we have the technology and materials to help you get your job done correctly!



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Custom Sleeve Order Form

Date _____

Name _____

Address _____

City _____

State _____ Zip _____

Phone _____ Fax _____

E-mail _____

SLEEVE DESCRIPTION

Make _____

Model _____

Year _____

Quantity _____

Material

Gray Cast Iron _____ Ductile Iron _____ Alum _____

A: Flange Dia. _____

B: Flange Thickness _____

C: Sleeve O.D. _____

D: Finished Bore Dia. _____

E: Rough Bore Dia. _____

F: Sleeve Relief Dia. _____

G: Sleeve Relief Height _____

H: O.A.L. _____

ATTENTION:

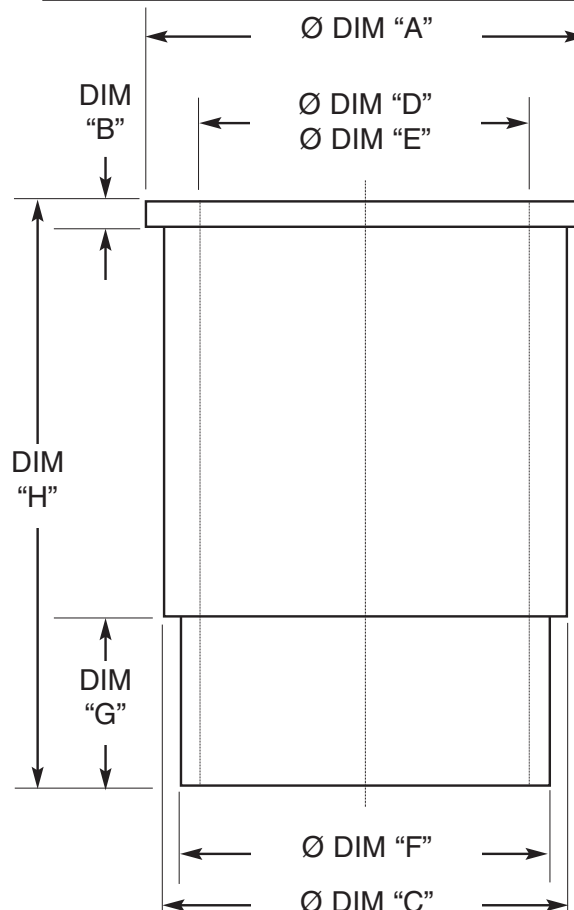
Advanced Sleeve requires your signature to verify specific sleeve parameters prior to processing order.

Signature: _____

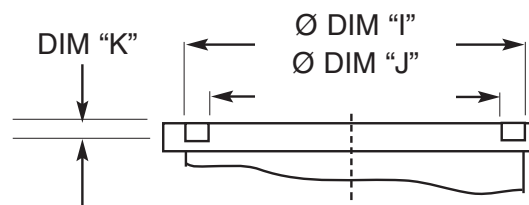
Print Name: _____

Date: _____

Office use only
PART NO. _____



O-Ring Groove if Applicable



I: O-Ring Groove O.D. _____

J: O-Ring Groove I.D. _____

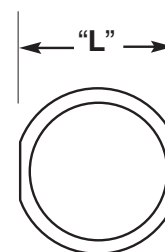
K: Groove Depth _____

Flats

L: _____

Qty. Double _____

Qty. Single _____



Important: 2-Cycle applications require a drawing, sample sleeve or cylinder for proper port specifications.

Superior Materials

Gray Iron

An excellent choice for general cylinder wall repairs. Our gray iron features no porosity and excellent ring seal. Gray iron is our most widely used material. It is used in markets ranging from powersports to automotive.

Ductile Iron

If your application requires the ultimate in strength then we would use our strong, continuous cast ductile iron, also known as nodular iron. Our ductile iron sleeves help restore column strength and rigidity to your block thus promoting excellent bore integrity and strength.

Forged Aluminum

Aluminum sleeves reduce engine weight and are designed for all-out performance. Available for today's current plating technologies, our aluminum sleeves are made from an alloy which has an excellent machinability and a higher silicon content to promote plating adhesion.





Gray Iron Sleeve Blanks

To order a straight blank use this format:

ASC_____S
(finished bore)

To order a flanged blank use this format:

ASC_____F
(finished bore)

Gray Iron Blanks

FINISHED BORE	FLANGE OD	SLEEVE OD	SLEEVE ID	OAL
48	2.329	2.129	1.810	3.780
49	2.368	2.168	1.849	3.858
50	2.407	2.207	1.889	3.937
51	2.447	2.247	1.928	4.016
52	2.486	2.286	1.967	4.094
53	2.525	2.325	2.007	4.173
54	2.565	2.365	2.046	4.252
55	2.604	2.404	2.085	4.331
56	2.643	2.443	2.125	4.409
57	2.683	2.483	2.164	4.488
58	2.722	2.522	2.203	4.567
59	2.762	2.562	2.243	4.646
60	2.801	2.601	2.282	4.724
61	2.840	2.640	2.322	4.803
62	2.880	2.680	2.361	4.882
63	2.919	2.719	2.400	4.961
64	2.958	2.758	2.440	5.039
65	2.998	2.798	2.479	5.118
66	3.037	2.837	2.518	5.197
67	3.077	2.877	2.558	5.276
68	3.116	2.916	2.597	5.354
69	3.155	2.955	2.637	5.433
70	3.195	2.995	2.676	5.512
71	3.234	3.034	2.715	5.591
72	3.273	3.073	2.755	5.669
73	3.313	3.113	2.794	5.748

FINISHED BORE	FLANGE OD	SLEEVE OD	SLEEVE ID	OAL
74	3.352	3.152	2.833	5.827
75	3.391	3.191	2.873	5.906
76	3.431	3.231	2.912	5.984
77	3.470	3.270	2.951	6.063
78	3.510	3.310	2.991	6.142
79	3.549	3.349	3.030	6.220
80	3.588	3.388	3.070	6.299
81	3.628	3.428	3.109	6.378
82	3.667	3.467	3.148	6.457
83	3.706	3.506	3.188	6.535
84	3.746	3.546	3.227	6.614
85	3.785	3.585	3.266	6.693
86	3.825	3.625	3.306	6.772
87	3.864	3.664	3.345	6.850
88	3.903	3.703	3.385	6.929
89	3.943	3.743	3.424	7.000
90	3.982	3.782	3.463	7.000
91	4.021	3.821	3.503	7.000
92	4.061	3.861	3.542	7.000
93	4.100	3.900	3.581	7.000
94	4.140	3.940	3.621	7.000
95	4.179	3.979	3.660	7.000
96	4.218	4.018	3.700	7.000
97	4.258	4.058	3.739	7.000
98	4.297	4.097	3.778	7.000
99	4.336	4.136	3.818	7.000



Ductile Iron Sleeve Blanks

To order a straight blank use this format:

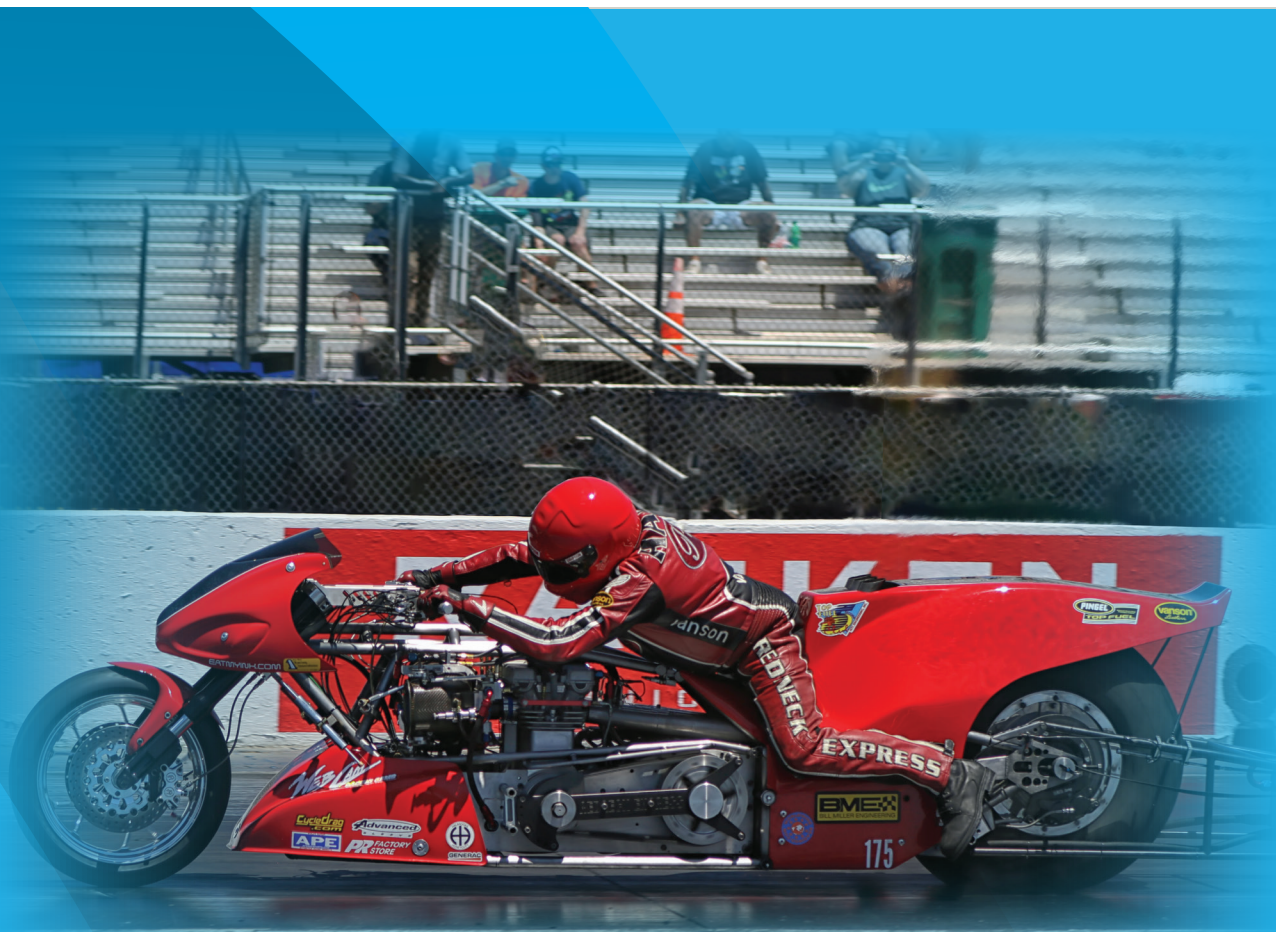
ASC_____S
(finished bore)

To order a flanged blank use this format:

ASC_____F
(finished bore)

Ductile Iron Blanks

FINISHED BORE	FLANGE OD	SLEEVE OD	SLEEVE ID	OAL
100	4.376	4.176	3.857	7.000
101	4.415	4.215	3.896	7.000
102	4.454	4.254	3.936	7.000
103	4.494	4.294	3.975	7.000
104	4.533	4.333	4.014	7.000
105	4.573	4.373	4.054	7.000
106	4.612	4.412	4.093	7.000
107	4.651	4.451	4.133	7.000
108	4.691	4.491	4.172	7.000
109	4.730	4.530	4.211	7.000
110	4.769	4.569	4.251	7.000
111	4.809	4.609	4.290	7.000
112	4.848	4.648	4.329	7.000
113	4.888	4.688	4.369	7.000
114	4.927	4.727	4.408	7.000
115	4.966	4.766	4.448	7.000
116	5.006	4.806	4.487	7.000
117	5.045	4.845	4.526	7.000
118	5.084	4.884	4.566	7.000
119	5.124	4.924	4.605	7.000
120	5.163	4.963	4.644	7.000



Powersports Sleeves

Arctic Cat ATV ■ Ariel ■ Bombardier / CAN AM ■ Bultaco
BSA ■ CZ ■ GAS GAS ■ Harley-Davidson ■ Honda MX/Dirt/Off-road
Honda ATV ■ Honda Street Husqvarna ■ Indian Kawasaki MX/Dirt/Off-road
Kawasaki ATV Kawasaki Street ■ KTM MX/Dirt/Off-road Maico ■ Polaris ATV
Suzuki MX/Dirt/Off-road ■ Suzuki ATV ■ Suzuki Street ■ Triumph ■ Vincent
Yamaha MX/Dirt/Off-road Yamaha ATV Yamaha Street

Arctic Cat ATV

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
50 2x4 49cc	IC	04-05	41-43	3423FA	1.855"
300 4x4 & 2x4	CS	98-05	67-72	3451FA	3.012"
375 4x4 & 2x4	CS	02	82-85.5	3469FA	3.535"
400 4x4 & 2x4	CS	03-07	82-85.5	3469FA	3.535"
CR400		2015	81	3933FA	3.740"
DVX 400	PA	03-09	90-94.5	3287FA	3.880"
DVX 400 Big Bore to 440cc	PA	03-09	94-96	3481FA	3.940"
425I SE, XC450, 450 Core, 450I, 450TRV, 500H1, 500XT	CS	11-20	89	3667FA	3.665"
Prowler 650 H1		2007	98-100	3645FA	4.097"
Prowler 650 H1 Thick Sleeve		2007	98-100	3903FA	4.215"
Prowler 700 Side By Side	PA	09-17	102-104	3642FA	4.254"
Wildcat Trail 700XT		17	76.9	3943FA	3.265"
Thundercat 1000 4 Stroke Sleeve		2009-13	92	3724FA	3.800"

Ariel

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
Square 4		31-59	65	3845FA	2.757"

Bombardier / CAN AM

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
PS90		08	47	3918FA	2.085"
DS450, DS450X	PA	08-15	97	3594FA	4.025"
DS650	PA	11-20	100	3675FA	4.127"
DS650 Big Bore	PA	11-20	105	3571FA	4.325"
1000		ALL	96	3716FA	4.051"

Bultaco

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
M-68 Pursang		70	73	3928FA	3.160"
360 Model 146 Astro	RS	N/A	84	3686FA	3.752"
370 Reed Valve Motor			85	3752FA	3.756"

BSA

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
Rocket 3 / Trident		68-72	71.5	3848FA	3.000"
441 Victor Roadster		66-71	81	3847FA	3.415"
441		69	78	3889FA	3.315"
B33 500CC		51	85	3900FA	3.506"

CZ

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
250	CS	73	70.5	3783FA	2.865"

Gas Gas

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
GAS GAS					
125 (EC12)			54	3684FA	2.286"
MC, EC, SM250	PA	97-13	66.4	3648FA	2.865"

Harley Davidson

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
Hummer		1952	52.48	3850FA	2.285"
Aermacchi 250 / 350			72.5-74.5	3851FA	3.313"
250 Sprint	CI	60-67	72	3794FA	3.200"
Knucklehead	CI	36-47	3.312"	3701FA	3.460"
Panhead	CI	48-65	3.335"	3853FA	3.500"
XR750 Dirt Tracker Aluminum Sleeve (Must be plated after installation)	RS	All	3.162"-3.270"	3396FA	3.445"
XR750 Dirt Tracker	RS	All	3.162"-3.270"	3652FA	3.445"
883 Inner Sleeve for 3443FA	CS	All	3.000"	3455FA	3.170"
883 Aluminum Sleeve (Outer Sleeve for Cast iron inner sleeve)	CS	All	3.000"-3.500"	3443FA	3.800"
1200 Sportster	CS	88-09	3.498"-3.640"	3075FA	3.800"
V-Rod 1130CC	WS	All	3.937"	3391FA	4.251"
V-Rod 1250 (Finish Honed Bore)	WS	07-12	4.134"	3619FA	4.448"
V-Rod 1300 Destroyer (Finish Honed Bore)	WS	07-12	4.134"	3619FA	4.448"
V Rod 1250 +.030 (Finish Honed Bore +.030)	WS	07-12	4.164"	3631FA	4.448"
V Rod 1300 Destroyer (Finish Honed Bore +.030)	WS	07-12	4.164"	3631FA	4.448"

Harley Davidson (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
V ROD Big Bore Sleeve (Finish Honed Bore)	WS	01-07	4.250"	3392FA	4.528"
1340 Big Twin Evo (Fits in stock cases)	CS	84-99	3.498"-3.520"	3245FA	3.950"
1340 Big Twin Evo Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	84-99	3.625"-3.740"	3035FA	3.950"
Twin Cam 88"	CS	99-09	3.750"-3.905"	3484FA	4.055"
Twin Cam 88" Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	99-09	4.000"-4.075"	3209FA	4.275"
Twin Cam 88" Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	99-09	4.000"-4.140"	3483FA	4.300"
Twin Cam 88" Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	99-09	4.125"-4.140"	3604FA	4.300"
Twin Cam 96" Big Bore Front Cylinder (Cases must be bored to accept overbore sleeve)	CS	ALL	4.125"-4.140"	3621FA	4.300"
Twin Cam 96" Big Bore Rear (Cases must be bored to accept overbore sleeve)	CS	ALL	4.125"-4.140"	3622FA	4.300"
Ductile Twin Cam 96" Big Bore Front Cylinder (Cases must be bored to accept overbore sleeve)	CS	All	4.125"-4.140"	3922FA	4.300"
Ductile Twin Cam 96" Big Bore Rear Cylinder (Cases must be bored to accept overbore sleeve)	CS	All	4.125"-4.140"	3923FA	4.300"
Twin Cam 96" Big Bore to 117" Front Cylinder (Cases must be bored to accept overbore sleeve)	CS	ALL	4.070"	3668FA	4.300"
Twin Cam 96" Big Bore to 117" Rear Cylinder (Cases must be bored to accept overbore sleeve)	CS	ALL	4.070"	3669FA	4.300"
Milwaukee 8	CS	17-20	4.125"	3829FA	4.400"
Milwaukee 8 Big Bore	CS	17-20	4.310"	3824FA	4.550"
Milwaukee 8 Big Bore (Cases must be bored to accept overbore sleeve)	CS	17-20	4.250"	3718FA	4.550"
Ductile Milwaukee Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	17-20	4.250"	3914FA	4.550"
Milwaukee 8 Big Bore - Ductile Sleeve (Cases must be bored to accept overbore sleeve)	CS	17-20	4.500"	3784FA	4.700"

Honda MX / Dirt / Offroad

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
CR60	PA	83	41-43	3218FA	1.855"
CR60	CS	84	41-43	3757FA	1.855"
CR80R	PA	80-82	49.5-57	3453FA	2.420"
CR80, ATAC80 (THIS SLEEVE HAS THE FLANGE ON THE BOTTOM)	PA	84	49.5-54	3300FA	2.300"

Honda MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
CR80	PA	85	47-48	3201FA	2.050"
CR80	PA	86	47-49	3119FA	2.090"
CR80	PA	87	47-48	3127FA	2.050"
CR80	PA	88-02	47-49	3101FA	2.090"
CR80 Big Bore	PA	86-02	52-52.5	3474FA	2.230"
CR85R	PA	02-08	47.5-49	3472FA	2.090"
CR85R Big Bore	PA	02-08	49.5-50.5	3475FA	2.150"
CR85R Big Bore	PA	02-08	52-52.5	3476FA	2.230"
CR125	CS	75-78	56-58	3595FA	2.445"
CR125R	CS	79	56-58	3800FA	2.445"
CR125R Thick Sleeve	CS	81-82	55.5-63	3114FA	2.650"
CR125 Thick Sleeve	CS	85-86	54	3118FA	2.495"
CR125 Thick Sleeve	CS	87-88	54-60	3128FA	2.520"
CR125R	PA	89	54-59	3131FA	2.483"
CR125R	PA	90-91	54-55	3033FA	2.330"
CR125R	PA	92	54-56	3334FA	2.365"
CR125R	PA	93-95	54-56	3034FA	2.365"
CR125R	PA	96-99	54-56	3259FA	2.365"
CR125R BIG BORE	PA	96-99	58	3919FA	2.445"
CR125R (99)	PA	00	54-55	3325FA	2.365"
CR125R (00)	PA	01	54-56	3377FA	2.365"
CR125R (01)	PA	02	54-56	3418FA	2.365"
CR125R	PA	03	54-56	3433FA	2.365"
CR125R	PA	04	54-56	3494FA	2.365"
CR125R	PA	05-07	54-56	3495FA	2.365"
CR125 to 139cc	PA	05-07	57	3531FA	2.405"
CR250R	CS	73	70	3771FA	3.015"
CR250R	CS	78-80	70-72	3113FA	3.015"
CR250R	CS	81-83	66-68.5	3193FA	2.865"
CR250R Thick Sleeve	CS	81-83	66	3890FA	3.200"
CR250R ATAC	CS	84	66	3774FA	2.750"
CR250R ATAC Thick Sleeve	CS	84	66-76	3385FA	3.165"
CR250R ATAC	CS	85	66.4-68.5	3599FA	2.865"
CR250R	PA	86	66.4-68.5	3057FA	2.865"
CR250R	PA	87	66.4-68.5	3129FA	2.865"
CR250R	PA	88	66.4-68.4	3130FA	2.865"
CR250R	PA	89	66.4-68.5	3132FA	2.865"
CR250R	PA	90-91	66.4-68.5	3133FA	2.865"
CR250R	PA	92	66.4-68.5	3318FA	2.865"
CR250R	PA	93	66.4-68.5	3134FA	2.865"

Honda MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
CR250R (KZ3L)	PA	94	66.4-68.5	3335FA	2.865"
CR250R (KZ3M, KZ3N)	PA	95-96	66.4-68.5	3103FA	2.865"
CR250R (KZ3P)	PA	97-98	66.4-68.5	3220FA	2.865"
CR250R Thick Sleeve (KZ3P)	PA	97-98	66.4-68.5	3763FA	3.165"
CR250R (KZ3S, KZ3T)	PA	99-00	66.4-68.5	3280FA	2.865"
CR250R (KZ3V)	PA	01	66.4-68.5	3330FA	2.865"
CR250R (KZ3W, KZ3X, KSK)	PA	02-04	66.4-68.5	3361FA	2.865"
CR250R	PA	05-07	66.4-68.5	3497FA	2.865"
CR500R Air Cooled	CS	84	89-94	3647FA	3.875"
CR500R	CS	85-86	89-94	3283FA	3.875"
CR500 With Bottom Flange	CS	85-86	89-94	3801FA	3.930"
CR500R	CS	87-88	89-94	3278FA	3.875"
CR500R	CS	89-02	89-94	3358FA	3.875"
CR500 With Bottom Flange	CS	89-02	89-94	3769FA	3.930"
Z50R	IC	82-99	39-41	3447FA	1.775"
XR50R		00-03			
CRF70F	RS	04-12	47	3844FA	2.063"
CT70	RS	73-94	47	3844FA	2.063"
XR70	RS	98-03	47	3844FA	2.063"
XL80	CS	82-85	47.5-50	3374FA	2.135"
XR80R		79-03			
CRF80F		04-10			
XR100	CS	92-03	53-55	3426FA	2.325"
CRF100F		04-13			
XR100 Big Bore	CS	79-03	61	3854FA	2.522"
CRF100F Big Bore		04-10			
XR100 Big Bore to 119cc	CS	92-03	58	3078FA	2.455"
CRF100F Big Bore to 119cc		04-10			
CRF150R	PA	07-20	66-68	3524FA	2.840"
CRF150R	PA	07-20	69-70	3543FA	2.920"
CRF150R Grey Iron Wet Liner	PA	07-20	69-70	3676FA	2.920"
CRF150R Ductile Iron Wet Liner	PA	07-20	69-70	3583FA	2.920"
XR200R	CS	86-02	65.5-67	3115FA	2.800"
CRF230 All Models	CS	03-19	68	3579FA	2.874"
XR250R	RS	79-04	73-77	3120FA	3.192"
XR250L	RS	79-95			
CRF250R Ductile Iron Wet Liner	PA	04-09	78-80	3523FA	3.325"
CRF250X Ductile Iron Wet Liner		04-17	82		
CRF250L	CI	13-20	81	3639FA	3.349"
XL350		73-79	79	3628FA	3.550"

Honda MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
XR 350	RS	83-85	90	3855FA	3.731"
XR400	RS	96-04	85-87	3236FA	3.589"
XR400 Big Bore to 440cc	RS	96-04	89-90.5	3052FA	3.729"
CRF450R	PA	00-11	96-97	3357FA	3.979"
CRF450R Big Bore	PA	00-11	98-99.5	3467FA	4.080"
CRF450R Big Bore	PA	00-11	100-101	3777FA	4.135"
CRF450R	PA	09-16	96-97	3605FA	3.979"
XL250	RS	72-77	2.933	3916FA	3.348"
XL/XR500	RS	78-82	89-94	3112FA	3.860"
XL/XR500 Big Bore	RS	78-82	95-96	3226FA	3.940"
XR500 Radial Head	RS	83-84	92	3641FA	3.841"
XR500 Big Bore Aluminum Sleeve (Plating required after installation)	RS	All	94-96	3480FA	3.940"
XR600	RS	91-00	97-99	3102FA	4.061"
XR600 Big Bore	RS	88-90	100-102	3004FA	4.208"
XR650L	RS	93-20	100-103	3359FA	4.221"
XR650R	RS	00-07	100	3273FA	4.100"
XR650R Big Bore	RS	00-07	102-102.5	3274FA	4.193"
XR650R Big Bore (Cases must be bored to accept overbore sleeve)	RS	00-07	105-106	3653FA	4.325"

Honda ATV

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
ATC70	RS	78-85	47	3844FA	2.063"
ATC250R 3-Wheeler	CS	81-84	70	3317FA	2.900"
ATC250R Four Trax, 1 Intake	CS	85-86	66	3117FA	2.750"
ATC250R Thick Sleeve, 1 Intake	CS	85-86	66-72	3223FA	3.165"
ATC250R Aluminum Thick Sleeve, 1 Intake (Plating required after installation)	CS	85-86	68-72	3240FA	3.165"
TRX 250R Four Trax, 3 intakes	CS	87-89	66	3221FA	2.750"
TRX 250R Four Trax Thick Sleeve, 3 Intakes	CS	87-89	66-76	3206FA	3.165"
TRX250R Aluminum Thick Sleeve, 3 Intakes (Plating required after installation)	CS	87-89	68-72	3239FA	3.165"
350 Odyssey	CS	85-86	80-81	3238FA	3.390"
Pilot FL-400	CS	89-92	80-82	3715FA	3.428
ATC200X	CS	86-87	65-66	3257FA	2.760"
TRXSX		86-88			
Fat Cat 200		86-87			

Honda ATV (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
4-TRAX 250X	RS	87-92	74-77	3062FA	3.194"
TRX250D Recon	RS	97-07	68.5	3635FA	2.975"
TRX 250EX Sport Trax	CS	01-20	68.5-70	3508FA	2.910"
TRX300 2 Valve	RS	88-00	74-77	3373FA	3.194"
TRX300EX 4 Valve	RS	92-09	80	3537FA	3.310"
4-TRAX 350X	RS	85-89	81-84	3082FA	3.468"
ATC350X		85-86			
TRX350 Rancher TM, TS	RS	00-07	78.5-81.5	3360FA	3.375"
TRX400EX	RS	99-14	85-87	3236FA	3.589"
TRX400EX Big Bore to 440cc	RS	99-14	89-90.5	3052FA	3.729"
Forged Aluminum TRX400EX Replacement Sleeve (Plating required after installation)	RS	99-14	85-86.5	3301FA	3.589"
Forged Aluminum TRX400EX Big Bore to 440cc (Plating required after installation)	RS	99-14	89-90.5	3055FA	3.729"
TRX400 4x4 Foreman	RS	95-04	86-90	3187FA	3.705"
400 Rancher AT	CS	04-07	85-88.5	3457FA	3.646"
Fourtrax 420 Rancher	CS	07-20	86.5-88.5	3598FA	3.650"
450 Foreman ES, S	RS	98-04	90-93	3409FA	3.824"
TRX450R	PA	04-05	94-97	3466FA	3.985"
TRX450R Big Bore	PA	04-05	98-100	3530FA	4.100"
TRX450	PA	06-14	98-100	3542FA	4.120"
Four Trax Foreman 500 Air Cooled	RS	05-11	92-95	3535FA	3.944"
Four Trax Foreman 500, 500 Rubicon Liquid Cooled	CS	01-14	92	3355FA	3.775"
Four Trax 650 Rincon	CS	03-05	100	3414FA	4.100"

Honda Street

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
Aero 50	CI	83	40	3950FA	1.730"
SL125	RS	71-74	56	3808FA	2.523"
CB77, 305CC Twin	RS	61-67	63	3915FA	2.756"
CB175	RS	69-73	57	3856FA	2.500"
CB175 Big Bore	RS	69-73	60.5-61	3857FA	2.559"
CBR250R	CI	11-13	81	3639FA	3.349"
CB72	RS	60-67	54	3674FA	2.444"
CB360 Twin	RS	75-78	67	3637FA	3.000"
CB400 Four Cylinder	RS	75-77	51	3858FA	2.366"
CB450	RS	76	74	3859FA	3.150"
CB500	RS	71-73	56	3679FA	2.523"

Honda Street (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
CB750F Big Bore	RS	78-83	68	3913FA	2.877"
CBR600 / F2&F3	RS	90-98 / 04	65-68	3037FA	2.850"
NX650	RS	88-89	100-103	3359FA	4.221"
CB750K	RS	73-77	61-65	3618FA	2.740"
CB750K Big Bore	RS	73-77	70	3662FA	3.045"
CB750F	RS	78-83	62	3673FA	2.739"
CB900F	RS	79-83	64.5	3569FA	2.818"
CB900F Big Bore Sleeve to 988 - 1032cc	RS	79-83	67.5-69.5	3081FA	2.913"
CBR900RR	CS	92-95	70-74	3011SA	3.100"
CBR900RR Big Bore Sleeve	CS	92-95	72-73	3005FA	3.050"
CBR954RR Outside Sleeve		02-04	76	3584FA	3.162"
CBR954RR Inside Sleeve		02-04	76	3585FA	3.162"
CB1100F / R	RS	83-85	70	3860FA	2.995"
CB1100F / R Outside Sleeve W/Single Flat	RS	83-85	70	3945FA	2.995"
VT1100C Shadow	CI	86	87.5	3861FA	3.607"
VTX1800 Big Bore	CS	02-08	103.5-106	3380FA	4.350"

Husqvarna

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
TC125	PL	19	54	3942FA	2.366"
CR125	RS	72-73	55	3678FA	2.565"
CR125	CS	74	55	3788FA	2.565
CR125	RS	82	55	3707FA	2.367"
CR125	RS	78-81	55	3766FA	2.446"
WR125	RS	82	55	3766FA	2.446"
WXC125		96	56	3366FA	2.406"
CR125		99	54-56	3646FA	2.365"
CR125	PA	00	54-56	3614FA	2.365"
CR125	CI	77	55	3941FA	2.405"
175	CS	72-73	64	3681FA	2.840"
250 Cross		69-72	69.5	3436FA	3.155"
250		67-69	69.5	3767FA	3.036"
Moto-X250	RS	70-71	69.5	3685FA	3.155"
CR250	RS	72	69.5	3685FA	3.155"
WR250	RS	73	69.5	3685FA	3.155"
250		73	69.43	3624FA	3.200"
WR250		74	69.43	3624FA	3.200"
CR250, WR250		75-77	69.5-71	3806FA	3.200"

Husqvarna (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
CR250		82-83	69.5-71	3284FA	2.962"
WR250		83	69.5	3730FA	2.960"
WR250		84	69.5	3731FA	2.960"
CR,WR250		91	66.4	3602FA	2.920"
360		61-71	78.67	3617FA	3.430"
360GP	CS	75-77	82	3643FA	3.648"
400 Air Cooled		74	81.5	3770FA	3.551
500		82-84	85.92	3629FA	3.670"
WR430	RS	81-83	85.92	3654FA	3.670"
450		72-74	84	3712FA	3.710"
500	RS	85-88	86	3753FA	3.675"

Indian

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
MT100	CS	1974	53.5MM	3862FA	2.266"
CHIEF 750	CI	1936	3.250"	3863FA	3.539"
CHIEF 750	CI	36-48	3.250"	3864FA	3.375"

Kawasaki MX / Dirt / Offroad

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
KDX50	PA	03-06	41-43	3423FA	1.855"
KX60	PA	85-03	43-44.5	3142FA	1.925"
KX65	PA	02-20	44.5-46.5	3402FA	1.990"
KDX80	PA	80-82	48-50.5	3135FA	2.150"
KX80	PA	78-79	48-50.5	3135FA	2.150"
KDX80	PA	83-88	48-50.5	3255FA	2.150"
KX80	PA	80-82	48-50.5	3040FA	2.150"
KX80	PA	84	48-50	3140FA	2.145"
KX80	PA	85	48-49	3368FA	2.090"
KX80	PA	86-87	48-50	3042FA	2.145"
KX80 (#1,N1)	PA	88-90	47-50	3046FA	2.145"
KX80	PA	91-94	48	3049FA	2.050"
KX80	PA	95-97	48-50	3326FA	2.145"
KX80	PA	98-00	48-50.5	3267FA	2.150"
KX85	PA	01-13	48.5-50.5	3296FA	2.150"
KX85	PA	14-19	48.5-50	3893FA	2.150"

Kawasaki MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
KX85 Big Bore	PA	01-13	52	3939FA	2.310"
KE100	PA	74-79	49.5-53	3137FA	2.260"
KE100	PA	86-00	49.5-51.5	3538FA	2.220"
KX100	PA	95-97	52.5-54	3171FA	2.286"
KX100	PA	98-05	52.5	3545FA	2.310"
KX100	PA	06-13	52.5-54.5	3248FA	2.310"
KX100	PA	14-20	52.5-54.5	3843FA	2.310"
KX125	PA	74-77	56-58	3600FA	2.445"
KX125	PA	83-84	56-57	3138FA	2.385"
KX125 (KIPS,1476)	PA	85-86	56-57	3041FA	2.405"
KX125 (KIPS,1508)	PA	87	56-57	3157FA	2.430"
KX125 (KIPS,1539)	PA	88	56-57	3159FA	2.400"
KX125 (1565)	PA	89	56-57	3162FA	2.400"
KX125 (1602,1645)	PA	90-91	56-57	3048FA	2.404"
KX125 (1672)	PA	92	54-56	3167FA	2.365"
KX125 (1687)	PA	93	54-56	3168FA	2.365"
KX125 (1720)	PA	94	54-56	3170FA	2.365"
KX125 (1752)	PA	95	54-55	3336FA	2.330"
KX125 (1794,1840)	PA	96-97	54-56	3331FA	2.365"
KX125 (1852,1881)	PA	98-99	54-56	3337FA	2.365"
KX125 (1921)	PA	00	54-56	3264FA	2.365"
KX125 (1939)	PA	01	54-56	3356FA	2.365"
KX125 (1960)	PA	02	54-56	3390FA	2.365"
KX125 (1978)	PA	03	54-56	3431FA	2.365"
KX125 (0013)	PA	04-08	54-56	3468FA	2.365"
KX125 to 144cc	PA	04-08	58	3528FA	2.443"
KLX125 Fits std. to +4mm, 143cc	PA	02-06	57-61	3435FA	2.565"
KE175	PA	80-82	62.5	3665FA	2.700"
KDX175	PA	81-85	66-68	3194FA	2.850"
KDX200	PA	86-88	66-67	3225FA	2.800"
KDX200	PA	89-94	66-68	3047FA	2.840"
KDX200	PA	95-04	66-67	3097FA	2.800"
KDX220	PA	97-05	69-71	3587FA	2.965"
KDX250	PA	91-94	67.4-69.5	3071FA	2.900"
KE250 THICK SLEEVE	PA	77-79	66-67.5	3805FA	3.075"
KX250	PA	83	70-72	3671FA	3.000"
KX250	PA	85	70-72	3141FA	3.000"
KX250	PA	86	70-72	3067FA	3.000"
KX250	PA	87	67.4-69.5	3158FA	2.900"

Kawasaki MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
KX250 (1851)	PA	98-99	67.4-69.5	3160FA	2.900"
KX250	PA	89	67.4-69.5	3163FA	2.900"
KX250	PA	90	67.4-69.5	3164FA	2.900"
KX250 (1643)	PA	91	67.4-69.5	3165FA	2.900"
KX250 (1671)	PA	92	66.4-68.5	3166FA	2.865"
KX250 (1686)	PA	93	66.4-68.5	3169FA	2.865"
KX250 (1722)	PA	94	66.4-68.5	3322FA	2.865"
KX250 (1751)	PA	95	66.4-68.5	3222FA	2.865"
KX250 (1793)	PA	96	66.4-68.5	3292FA	2.865"
KX250 (1835)	PA	97	66.4-68.5	3338FA	2.865"
KX250 (1851)	PA	98-99	66.4-68.5	3289FA	2.865"
KX250 (1911,1938)	PA	00-01	66.4-68.5	3407FA	2.865"
KX250 (1959,1979)	PA	02-03	66.4-68.5	3499FA	2.865"
KX250 (1959,1979) Big Bore	PA	02-03	71-74	3952FA	3.074"
KX250 (0027)	PA	05-08	66.4-68.5	3498FA	2.865"
KX250 Big Bore	PA	98-99	71-74	3946FA	3.074"
KL250 SUPER SHERPA	PA	00-03, 09	72-74	3702FA	3.075"
KX420	PA	80-81	83-84.5	3249FA	3.502"
KDX420	PA	81	83-84.5	3249FA	3.502"
KDX420 Big Bore	PA	81	86	3778FA	3.701"
KX500	PA	88	86-88	3202FA	3.640"
KX500	PA	89-04	86-90	3161FA	3.700"
KLT110	PA	83-86	51-53	3410FA	2.253"
KLX110	PA	02-14	53-58	3378FA	2.446"
KLX110 Big Bore to 150cc	PA	02-14	59-61	3471FA	2.559"
KLX125	PA	02-06	57	3408FA	2.410"
KLX125 Fits std. to +4mm, 143cc	PA	02-06	57-61	3435FA	2.565"
KX250F	PA	04-08	77-79	3507FA	3.270"
KLX300	PA	97-06	78-80	3541FA	3.310"
KLX400 std. to +4.5mm	PA	03-09	90-94.5	3287FA	3.880"
KLX400 Big Bore	PA	03-06	94-96	3481FA	3.940"
KLX 400 Big Bore Aluminum Sleeve (Must be plated after installation)	PA	00-04	94-96.5	3401FA	3.965"
KX450F	PA	06-10	96-98	3525FA	4.018"
KX450F Big Bore	PA	06-08	100-102	3607FA	4.200"
KX450F	PA	09-15	96	3745FA	4.020"
KX450	PA	19	99	3899FA	4.058"

Kawasaki ATV

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
KXT250 3-Wheeler	PA	84-85	70-72	3139FA	3.000"
KXT250 3-Wheeler	PA	86-87	70-72	3067FA	3.000"
Tecate 4-Wheeler	PA	87-88	67.4-69.5	3158FA	2.900"
KLT110	RS	83-86	51-53	3410FA	2.253"
KLF110 Mojave	RS	87-89	51-53	3410FA	2.253"
KSF250 Mojave, KSX250 Mojave	RS	87-05	74-75	3719FA	Stepped
KSF250 Mojave, KSX250 Mojave Big Bore	RS	87-05	83-84	3393FA	3.500"
KLF300 Bayou	CS	86-05	76-79.5	3348FA	3.305"
KEF300 Lakota	CS	95-03	76-79.5	3348FA	3.305"
KVF300 Prairie	CS	99-03	76-79.5	3348FA	3.305"
KVF360 Prairie	CS	03-08	80	3473FA	3.310"
KFX400	PA	03-06	90-94.5	3287FA	3.880"
KFX400 Big Bore to 440cc	PA	03-06	94-96	3481FA	3.940"
KFX450R	PA	07-14	96-98	3522FA	4.020"
KVF650 Prairie	RS	02-03	80-82	3398FA	3.388"
Brute Force	RS	05-13	80-82	3398FA	3.388"
650 Praire / Brute Force (Plated Cylinder)	PA	N/A	80-82	3655FA	3.388"
KFX700 / Prairie 700	PA	03-09	82-84	3589FA	3.475"
KFX700 / Prairie 700	PA	03-09	85-87	3590FA	3.590"
Prairie Brute Force 750	RS	05-13	85-87	3502FA	3.585"
Brute Force 750 Big Bore		05-13	90	3658FA	3.742"
Teryx 750 4X4 Big Bore		08-13	90	3658FA	3.742"
KAF450-B1 Mule 1000	RS	95-07	72.5	3663FA	Stepped

Kawasaki Street

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
KH400 S3	CS	1976	57-59	3640FA	2.522"
A7 Avenger		67-71	62	3904FA	2.620"
454 LTD	RS	85-90	72.5	3663FA	Stepped
H1 500	CS	69-76	60-62	3620FA	2.725"
H2 750 Triple STD 2.5mm Overbore	CS	All	71-73.5	3389FA	3.200"
ZX6	RS	95-02	66-67.5	3104FA	Stepped
ZX7R Ninja	RS	96-03	73-75	3477FA	Stepped
GPZ550	RS	1984	60	3894FA	2.530"
GPZ750, KZ750, ZN750, ZX750E1 Turbo	RS	80-86	66-69	3636FA	2.838"
KZ900	RS	73-77	70-72	3029FA	2.995"
ZX-9R	RS	94-97	73	3940FA	3.154"
ZXR9R Ninja	WS	98-99	75-76.5	3261FA	3.330"

Kawasaki Street (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
ZXR9R	PA	00-03	76-78	3560FA	3.230"
Vulcan 900	WS	06-07	88	3573FA	N/A
KZ1000 J,P Police Model	RS	81-97	69.5	3677FA	2.999"
KZ1000	RS	76-80	70-72	3099FA	2.995"
KZ1000 (Fits overbore kits from 71mm - 77mm)	RS	76-80	71-77	3030FA	3.200"
KZ1000/ GPZ1100 (Fits overbore kits from 80mm - 83.5mm)	RS	76-80	80-83.5	3031FA	3.450"
KZ1000/ GPZ1100 (Sleeve fits overbore kits from 76mm - 79mm)	RS	76-80/83-84	76-79	3010FA	3.275"
ZX11 Ninja/ZRX-1100	RS	90-01/98-00	76-78.5	3421FA	Stepped

KTM MX / Dirt / Offroad

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
50 Air Cooled Non-Reed LEM (FM2076)	CS	96	39-41	3459FA	1.850"
50 Air Cooled Reed LEM (FM2082)	PA	94-01	39-41	3198FA	1.775"
50 Reed Motor	PA	98-01	39-41	3314FA	1.775"
50 Reed Motor Big Bore to 60cc	PA	98-01	43-43.5	3313FA	1.885"
50 Sr.	PA	01-07	39.5-41.5	3424FA	1.795
65SX	PA	03-06	45-47	3519FA	1.990"
85SX/XC	PA	03-17	47	3488FA	2.010"
105	PA	04-08	52-54	3611FA	2.286"
125SX,E/XC	PA	93-94	54.25	3077FA	2.315"
125SX,E/XC	PA	01-07	54	3485FA	2.315"
125SX	PA	08-10	54	3705FA	2.315"
125SX	PA	11-15	54	3706FA	2.315"
144SX/150SX	PA	07-08/09-15	56	3809FA	2.400"
Penton 175		73-74	63.5	3666FA	2.680"
200M/XC, E/XC	PA	98-02	64-65	3376FA	2.722"
200SX, M/XC, XCW	PA	03-12	64	3704FA	2.758"
250MX	PA	85-87	67.5-69	3250FA	2.890"
250MX	PA	96-97	67.5-68.5	3256FA	2.860"
250SX, M/XC, E/XC	PA	99	67.5-68.5	3841FA	2.860"
250 SX/EXC	PA	04-06	66.4	3581FA	2.775"
250SXF	PA	05-12	76	3596FA	3.235"
SX250/XC250/XC-W250	PA	07-10/07-11/07-10	66.4	3748FA	2.854"
250SXF/250XC/250XC-W	PA	11-13/12-13/11-13	66.4	3762FA	2.854"
250SX 2 Stroke	PA	17-18	66.4	3773FA	2.854"
300	PA	90-94	72	3597FA	3.060"

KTM MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
300M/XC,E/XC	PA	97-01	72-73.5	3244FA	3.060"
300M/XC,E/XC	PA	02-05	72	3580FA	3.060"
300XC-W, XC	PA	08-11	72	3616FA	3.073"
350	PA	11-12	88-90	3609FA	3.703"
360 Thick Sleeve	PA	96-00	78-78.5	3252FA	3.253"
380SX,E/XC,M/XC	PA	98-02	78-78.5	3269FA	3.253"
KTM400		1976	80	3830FA	3.520"
500MX	AC	85-88	89	3948FA	3.751"
450SX,M/XC,E/XC,XC/G Big Bore	PA	03-07	95	3586FA	3.900"
520/525SX,EXC	PA	00-02/00-08	95-97	3539FA	3.979"
550MXC	PA	93-96	92.25	3079FA	3.815"

Maico

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
250	CI	73-81	67	3795FA	2.915"
250	CI	78-79	67	3908FA	2.915"
400	CI	74-81	77	3796FA	3.385"
440	CI	81	82	3797FA	3.545"
490/GM, RC500	RS	83-84/94-97	86.5	3790FA	3.722"

Polaris ATV

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
250 Trail Boss/Trail Blazer/Xplorer	CS	86-99/90-06/00-02	72-74.5	3320FA	3.095"
ATV300L, Xplorer 300, Xpress 300	CS	94-00	74.5-75	3105FA	3.115"
ATV400L, Xplorer 400, Scrambler 400, Sport 400, Trailblazer 400	CS	94-05	83-85	3108FA	3.510"
Sportman 335 4x4	CS	99-00	78-79.5	3437FA	3.300"
Outlaw 450 MXR Liquid Cooled	PA	08-11	89-91	3661FA	3.743"
Sportman 500, Scrambler 500, Magnum 500 (std. to +1mm)	CS	96-07	92-93	3388FA	3.855"
Predator 500	PA	03-07	99.2	3404FA	4.055"
Predator 500 Big Bore	PA	03-07	104.75-107.5	3458FA	4.400"
525 Outlaw		07-08	95-97	3613FA	3.979"
RZR 800	PA	08-11	80-81	3565FA	3.350"
Sportsman 850 Twin		2015	87-88	3886FA	3.625"

Suzuki MX / Dirt / Offroad

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
JR50	PA	96-06	41-43	3423FA	1.855"
RM65	PA	03-06	44.5-46.5	3402FA	1.990"
RM80	CS	1978	49-51	3755FA	2.250"
RM80Z	CS	82	49-51	3714FA	2.250"
RM80 G,H	CS	86-87	47.5-53	3262FA	2.250"
RM80 J	CS	88	47.5-51.5	3434FA	2.200"
RM80	CS	89-90	47.5-49.5	3804FA	2.200"
RM80	CS	91-01	47.5-51.5	3111FA	2.200"
RM80 Big Bore	PA	91-01	52	3190FA	2.210"
RM80 Big Bore Aluminum Sleeve (Requires plating after installation)	PA	91-01	47.5-52	3309FA	2.210"
RM85	PA	02-20	48-50	3394FA	2.130"
RM85 Supermini to 99cc	PA	02-20	52-54	3529FA	2.286"
RM100	PA	03-05	52.5-54	3171FA	2.286"
TM125	PA	74	56	3775FA	2.385"
TC120		69	52	3906FA	2.325"
RM125	CI	76	56	3944FA	2.365"
RM125	CS	77-78	54-56	3615FA	2.365"
RM125	CS	79-80	54-56	3625FA	2.365"
RM125 Z,D	CS	82-83	54	3121FA	2.285"
RM125 E	CS	84	54	3708FA	2.365"
RM125 E Thick Sleeve	CS	84	54-62	3810FA	2.600"
RM125 G	CS	86	54	3125FA	2.285"
RM125 H	CS	87	54-55.5	3146FA	2.345"
RM125 Thick Sleeve	CS	87	54-62	3298FA	2.600"
RM125 J	CS	88	54-55.5	3265FA	2.345"
RM125 K	CS	89	54-56	3151FA	2.365"
RM125 L	PA	90	54-56	3152FA	2.365"
RM125 M,N	PA	91-92	54-56	3045FA	2.365"
RM125 (#40)	PA	93	54-56	3154FA	2.365"
RM125 (#50,60,70)	PA	94-96	54-55	3156FA	2.365"
RM125	PA	97	54-56	3254FA	2.365"
RM125	PA	98-99	54-56	3299FA	2.365"
RM125 (36E)	PA	00-03	54-56	3425FA	2.365"
TS400		74-75	82-84	3901FA	3.467"
PE 400	CI	80-81	85	3891FA	3.505"
RM465	CI	81-82	86	3892FA	3.700"
RM125 (#36F)	PA	04-09	54-56	3501FA	2.365"
RM125 to 144cc	PA	04-09	58	3527FA	2.445"
PE175		78	62-62.6	3932FA	2.755"

Suzuki MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
PE175		80-84	62	3680FA	2.720"
RM250	CS	76-81	67-68.5	3792FA	3.095"
RM250 T	CS	80	67-68.5	3606FA	2.865"
RM250 X	CS	81	67-68.5	3400FA	2.865"
RM250 E,F	CS	82-85	70-75	3123FA	3.120"
RM250 G Thick Sleeve	CS	86	67	3751FA	3.015"
RM250 H	PA	87	67-68.5	3147FA	2.870"
RM250 J	PA	88	67-68.5	3150FA	2.860"
RM250 K,L	PA	89-90	67-68.5	3044FA	2.860"
RM250 M,N	PA	91-92	67-68.5	3153FA	2.865"
RM250 (#40)	PA	93	67-68.5	3155FA	2.860"
RM250 (#50)	PA	94	67-68.5	3290FA	2.860"
RM250 (#60)	PA	95	67-68.5	3339FA	2.865"
RM250	PA	96	66.4-68.5	3333FA	2.865"
RM250	PA	97	66.4-68.5	3340FA	2.865"
RM250	PA	98	66.4-68.5	3341FA	2.865"
RM250 (#30)	PA	99	66.4-68.5	3342FA	2.865"
RM250	PA	00	66.4-68.5	3591FA	2.865"
RM250 (37F0)	PA	01	66.4-68.5	3306FA	2.865"
RM250 (37F1)	PA	02	66.4-68.5	3503FA	2.862"
RM250 (37F2)	PA	03	66.4-68.5	3397FA	2.862"
RM250 (37F3, 37F5)	PA	04-08	66.4-68.4	3504FA	2.865"
RMX250	PA	89-90	67-68.5	3207FA	2.860"
RMX250 M,N	PA	91-92	67-68.5	3153FA	2.865"
RMX250	PA	93-98	67-68.5	3088FA	2.865"
RMX250 (44E1)	PA	99-00	67-68.5	3268FA	2.865"
RM370	CS	76-77	76-80	3789FA	3.485"
TM400	CS	74	82-84	3638FA	3.467"
RM400	CS	78-80	80-81	3601FA	3.343"
DRZ125 Standard - Big Bore	CS	02-08	57-61	3435FA	2.565"
DRZ250	PA	01-08	73-74	3379FA	3.076"
DRZ250 Big Bore	PA	01-08	80-81	3382FA	3.350"
RM-Z250	PA	04-06	77-79	3507FA	3.270"
DRZ 400 E,S	PA	00-20	90-94.5	3287FA	3.880"
DRZ 400 E,S Big Bore to 440cc	PA	00-20	94-96	3481FA	3.940"
DRZ 400 Big Bore Aluminum Sleeve (Requires plating after installation)	PA	00-20	94-96.5	3401FA	3.965"
RM-Z450	PA	05-07	95.5-98	3526FA	4.020"
DR 750	CS	88-89	105-108.5	3430FA	4.445"

Suzuki ATV

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
LT50	PA	02-04	41	3323FA	1.750"
LT80	RS	All	50-54	3438FA	2.285"
LT80 Big Bore to 105cc	RS	All	54-54.5	3439FA	2.300"
LT185	CS	84-87	63	3449FA	2.640"
LT250F Quad Racer	CS	85	70-77	3316FA	3.200"
LT250G Quad Racer	CS	86	70-70.5	3126FA	2.945"
LT250G Quad Racer Thick Sleeve	CS	86	70-77	3219FA	3.200"
LT250H Quad Racer	CS	87	67-73	3148FA	3.050"
LT250J,K,L,M,N Quad Racer	CS	88-92	67-72.5	3050FA	3.025"
LT500RH Quad Racer	CS	87	86-86.5	3149FA	3.575"
LT500RH Thick Sleeve	CS	87	86-93	3383FA	3.850"
LT500J,K,L Quad Racer	CS	88-91	86-86.5	3251FA	3.575"
LT500J,K,L Quad Racer Thick Sleeve	CS	88-91	86-94	3266FA	3.861"
LT230 Quad Sport	CS	85-94	66	3122FA	2.765"
LT250 FWD Quadrunner, LTF 250, LT F4WD, LT250F, Ozark 250, Ozark 250, Z 250	CS	87-13	66-70.5	3276FA	2.935"
DRZ 400 E,S	PA	03-20	90-94.5	3287FA	3.880"
Quad Sport Z400 Big Bore to 440cc	PA	00-20	94-96	3481FA	3.940"
LT-F400 Eiger	CS	02-07	82	3603FA	3.467"
Eiger 400 Big Bore	CS	02-07	89	3791FA	3.664"
R450 Quad Racer	PA	06-09	95.5-98	3515FA	4.040"
LTF500F,LT500AF Vinson	PA	98-07	87.5-88.5	3452FA	3.645"
King Quad 700	PA	05-08	102-103.5	3514FA	4.235"
King Quad 700 Big Bore	PA	05-08	105-106	3664FA	4.412"

Suzuki Street

GS1100/1150 Stock Replacement	RS	80-86	73-77	3271FA	3.192"
GS1000/GS1150	RS	80-83	76-80	3010FA	3.275"
GS1100 Overbore 1463-1496cc	RS	80-83	82.5-85	3028FA	3.550"
GSXR 1100 std. to +2mm	RS	86-88	76-79.5	3413FA	3.300"
GSXR1100 (Fits Wiseco Block P1255-P1317)	RS	81-84	83-84.5	3188FA	3.500"
GSXR1100, GSXR1100F Katana	RS	89-92	78-81	3083FA	3.359"
GSXR1100LC	RS	93-98	79.5-79.75	3016FA	3.280"
GSF1200S Bandit	CS	84-86	74-81.5	3312FA	3.380"
1400 Intruder	CS	All	96	3384FA	3.940"

Triumph

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
500			69MM	3873FA	2.938"
Trident 1000		70-73	2.792"	3874FA	3.030"
650 Twin	CI	65	2.800"	3875FA	3.025"
Bonneville			2.992"	3876FA	3.196"
Bonneville		All	96.5	3877FA	4.015"
T100		48	2.795"	3878FA	2.937"

Vincent

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
Rapide 998cc		36-55	3.270"	3879FA	3.579"
Shadow 1200cc		52	92mm	3880FA	3.850"

Yamaha MX / Dirt / Offroad

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
YZ50	IC	80	40	3417FA	1.730"
YZ60 (#5X1)		All	42	3224FA	1.800"
PW80	CS	83-06	47-49	3582FA	2.090"
YZ80	CS	74-75	47-49	3803FA	2.285"
YZ80	CS	76	49-54	3456FA	2.285"
YZ80	CS	77	49-54	3272FA	2.300"
YZ80 (3R1)	CS	80	49-53	3275FA	2.350"
YZ80 (#39K)	CS	84	48-49	3093FA	2.100"
YZ80 (#58T)	CS	85	48	3412FA	2.040"
YZ80 (#58T) THICK SLEEVE	CS	85	48-52.5	3902FA	2.300"
YZ80 (#1LR)	CS	86	48	3304FA	2.035"
YZ80 (#2HF,V,W,B)	CS	87-92	48-50	3172FA	2.050"
YZ80 (#4ES)	PA	93-01	47-49	3177FA	2.090"
YZ80 Supermini to 105cc	PA	93-01	52-52.5	3511FA	2.230"
YZ85 (#5PA)	PA	02-18	47.5-49	3372FA	2.110"
YZ85 Supermini to 105cc	PA	02-18	52-52.5	3511FA	2.230"
MX125	CS	74-75	56-58	3802FA	2.443"
125DTE, DTF, DTM, DTL		75	66	3798FA	2.758"
YZ125	CS	74-76	53-56	3208FA	2.360"
YZ125 (2X3)	CS	77-79	56-58	3756FA	2.445"
YZ125 (3R3,3N8)	CS	78-80	56-58	3626FA	2.445"
YZ125 (5X4)	CS	82	56-62	3482FA	2.625"

Yamaha MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
YZ125 (#24X)	CS	83	56	3319FA	2.445
YZ125 (39W)	CS	84	56	3907FA	2.365"
YZ125 (# 55Y)	CS	85	56-58	3144FA	2.443"
YZ125 (# 1LX)	CS	86-88	56	3747FA	2.445"
YZ125 (# 3JD)	PA	89	56-57.5	3173FA	2.430"
YZ125 (#3SR)	PA	90	56-58	3175FA	2.445"
YZ125 (#3XJ)	PA	91	56-58	3174FA	2.445"
YZ125 (#4DB)	PA	92	54-56	3343FA	2.445"
YZ125 (# 4EX)	PA	93	56-57.5	3178FA	2.430"
YZ125 (#4JY,4PE)	PA	94-98	54-56	3182FA	2.365"
YZ125 (# 4SS)	PA	96-98	54-56	3183FA	2.365"
YZ125 (# 5ET,5HD,5MV)	PA	99-01	54-56	3217FA	2.365"
YZ125 (# 5NY)	PA	02	54-56	3422FA	2.365"
YZ125 (#5UN, #5XE)	PA	03-04	54-56	3441FA	2.365"
YZ125 to 144cc (#5UN, 5XE)	PA	03-04	54-56	3949FA	2.445"
YZ125 (#1C3)	PA	05-20	54-56	3506FA	2.365"
YZ125 to 144cc	PA	05-20	58	3520FA	2.445"
MX175	CS	75	66	3909FA	2.758"
IT175 (1WZ)	CS	77-79	66	3765FA	2.837"
IT175 (1WZ)	CS	82-83	66	3793FA	2.837"
IT175 (5X8)	CS	82-84	66-68	3807FA	2.758"
RT180 (#5L9)	CS	90-00	64.5-65.5	3371FA	2.741"
IT200 (#43G)	CS	84-86	66-68	3713FA	2.838"
WR200 (# 3XP)	PA	90-95	66.8-67.5	3200FA	2.830"
IT250 (4V5)	CS	81-82	70-72	3951FA	3.000"
YZ250 (#3R4,3V3)	CS	80-81	70-76.5	3295FA	3.178"
YZ250	CS	83	68-72	3772FA	3.000"
YZ250 (# 39X)	CS	84	68-72	3308FA	3.000"
YZ250 (#1LU)	CS	86	68-72	3660FA	3.025"
YZ/WR 250 (#3JE)	CS	89	68-72.5	3346FA	3.025"
YZ/WR 250 (# 3SP)	CS	90	68-72.5	3253FA	3.025"
YZ/WR 250 (#3XK), WR250	PA	91	68-72.5	3260FA	3.025"
YZ/WR 250 (#4DA)	PA	92	68-72	3176FA	2.870"
YZ/WR 250 (#4EW)	PA	93	68-70	3179FA	2.915"
YZ/WR 250 (# 4JX,4MX)	PA	YZ 94-95	68-70	3181FA	2.915"
		WR 94-97			
YZ250 (#4SR)	PA	96	68-70	3329FA	2.915"
YZ250 (#4XL)	PA	97	68-68.5	3344FA	2.865"
YZ250 / IT250	PA	97	68-72	3785FA	3.000"
YZ250 (#4XL)	PA	98	68-70	3345FA	2.915"

Yamaha MX / Dirt / Offroad (continued)

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
YZ250 (# 5CU,5MW,5UP)	PA	99-21	66.4-68.5	3332FA	2.865"
YZ250 Big Bore	PA	99-21	72-73	3921FA	3.000"
MX360	RS	73-75	80-82	3644FA	3.388"
YZ360		74-75			
DT400	CS	1975	85	3634FA	3.775"
DT400 (#1M2)	CS	1978	85	3700FA	3.775"
YZ400 (#1W4)	CS	77-78	85	3683FA	3.775"
YZ400	CS	79	82	3710FA	3.468"
IT425 (3R8)	CS	80	85-86.5	3898FA	3.566"
YZ490 (#5X6)	CS	82	87-89	3588FA	3.820"
YZ490 (#40T)	CS	84-86	87	3612FA	3.820"
YZ490 (#2HJ)	CS	87-90	87-93	3324FA	3.820"
IT 490 (26A)	CS	83-84	87-89	3649FA	3.820"
TT-R90	IC	00-06	52	3490FA	2.170"
TT-R125 (5HH)	RS	00-20	54	3518FA	2.367"
TT-R125 Big Bore(5HH) (Cases must be bored to accept overbore sleeve)	RS	00-20	58	3726FA	2.520"
TTR125 Big Bore Aluminum Sleeve (5HH) (Must be plated after installation. (Cases must be bored to accept overbore sleeve)	RS	00-20	58	3782FA	2.520"
TT-R250 (5NL)	RS	99-06	73-75	3479FA	3.098"
YZ,WR 250F	PA	01-02	77-79	3305FA	3.273"
YZ,WR 250F (5XC)	PA	03-13	77-79	3493FA	3.275"
YZ,WR 250F Big Bore	PA	03-13	80-81	3534FA	3.350"
XT350	PA	85-00	86-88	3311FA	3.629"
YZ400F Big Bore/WR400F Big Bore	PA	98-99/98-00	96-100	3196FA	4.100"
YZ426	PA	00-02	95-97	3896FA	3.979"
YZ450F, WR450F (#5TA, 2S2)	PA	03-08	95-97	3428FA	3.980"
YZ450F Big Bore (#5TA, 2S2)	PA	03-08	98-100	3489FA	4.100"
SR, TT500 Big Bore +3	RS	78-82	88-90	3432FA	3.713"
XT550	RS	82-83	92-94.5	3263FA	3.902"
TT600	RS	83-96	95	3564FA	4.035"

Yamaha ATV

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
YFS 200 Blaster	CS	88-06	66-67	3100FA	2.750"
200 Blaster Thick Sleeve	CS	88-06	66-71	3270FA	3.080"
200 Blaster Big Bore (ID set for larger bore size)	CS	88-06	71	3577FA	3.080"
200 Blaster Big Bore	CS	88-06	74	3947FA	3.080"
200 Blaster Aluminum Sleeve (Must be plated after installation)	CS	88-06	67-74	3310FA	3.080"
Tri-Z 250N 3-Wheeler (38W)	CS	85-89	68-74	3145FA	3.100"
YZF350 Banshee Twin Cylinder	CS	87-06	64	3061FA	2.660"
YFZ350 Banshee Big Bore	CS	87-06	66-69	3578FA	3.000"
YFZ350 Banshee Thick Sleeve	CS	87-06	64-70	3214FA	3.000"
YFZ350 Banshee Big Bore	CS	87-06	66-70	3578FA	3.000"
350 Banshee Aluminum Sleeve (Must be plated after installation)	CS	87-06	64-70	3246FA	3.000"
BW200N	RS	85-90	67-69	3450FA	3.879"
YFM200 DXT	RS	87-88	67-69	3450FA	3.879"
Tri Moto 200	RS	87-03	67-69	3450FA	3.879"
YFM200 (4 Wheeler)	RS	85	67-69	3450FA	3.879"
Tri Moto 225, YTM 225, YTM225DX	RS	84-89	70-72	3143FA	2.998"
Raptor 125 (5VL)	RS	11-13	54-55	3651FA	2.365"
Raptor 125 (5VL) Aluminum Sleeve (Must be plated after installation)	RS	11-13	54-55	3732FA	2.365"
Raptor 250 300cc Big Bore	PA	08-09	81	3570FA	3.450"
YFB250 Timber Wolf	RS	90-00	71-72	3315FA	2.999"
Bruin 250	RS	06	71-72	3315FA	2.999"
Big Bear 250	RS	07-08	71-72	3315FA	2.999"
YFM 350 Warrior	RS	87-04	83-85	3107FA	3.510"
YFM 350 Big Bear	RS	87-04	83-85	3107FA	3.510"
YFM 350 Wolverine	RS	87-04	83-85	3107FA	3.510"
BW 350 Big Wheel	RS	87-88	83-85	3107FA	3.510"
Raptor 350	RS	05-09	83-85	3107FA	3.510"
Bruin 350	RS	04-06	83-85	3107FA	3.510"
Grizzly 350	RS	07-09	83-85	3107FA	3.510"
YFM 350 Warrior Big Bore	RS	87-04	87	3881FA	3.622"
YFM 350 Big Bear Big Bore	RS	87-04	87	3881FA	3.622"
YFM 350 Wolverine Big Bore	RS	87-04	87	3881FA	3.622"
BW 350 Big Wheel Big Bore	RS	87-88	87	3881FA	3.622"

Yamaha ATV (continued)

Raptor 350 Big Bore	RS	05-09	87	3881FA	3.622"
Bruin 350 Big Bore	RS	04-06	87	3881FA	3.622"
Grizzly 350 Big Bore	RS	07-09	87	3881FA	3.622"
Kodiak 400	RS	93-04	83-84.5	3237FA	3.515"
Big Bear 400 Air Cooled	RS	00-07	83-84.5	3237FA	3.515"
Kodiak 400	RS	00-06	84.5-86.5	3509FA	3.575"
Grizzly 400 Liquid Cooled	RS	08	84.5-86.5	3509FA	3.575"
YFZ450F (#5TA, 2S2)	PA	03-13	95-97	3428FA	3.980"
YFZ450F Big Bore to 98 -100mm (#5TA, 2S2)	PA	03-14	98-100	3489FA	4.100"
YFZ450 Big Bore Aluminum Sleeve (Must be plated after installation)	PA	04-13	98-100	3460FA	4.110"
YFM 600 Grizzly	PA	98-01	95-97	3191FA	4.021"
Grizzly 600 Big Bore Sleeve for 101mm piston (Crankcase clean up required)	RS	98-02	101	3192FA	4.150"
YFM 660 Raptor, Grizzly 660	RS	01-08	100-102	3347FA	4.182"
Rhino	RS	05-07	100-102	3347FA	4.182"
YFM 660 Raptor Aluminum Sleeve (Must be plated after installation)	RS	01-05	100-102	3630FA	4.182"
Grizzly 660 Aluminum Sleeve (Must be plated after installation)	RS	02-08	100-102	3630FA	4.182"
Rhino Aluminum Sleeve (Must be plated after installation)	RS	05-07	100-102	3630FA	4.182"
YFM 660 Raptor Big Bore to 727cc	RS	01-05	105-106	3367FA	4.350"
Grizzly 660 Big Bore to 727cc	RS	02-08	105-106	3367FA	4.350"
Rhino 660 Big Bore to 727cc	RS	05-07	105-106	3367FA	4.350"
YFM 660 Raptor Big Bore Aluminum (Must be plated after installation)	RS	01-05	102-105	3454FA	4.350"
Grizzly 660 Big Bore Aluminum (Must be plated after installation)	RS	02-08	102-105	3454FA	4.350"
Rhino 660 Big Bore Aluminum (Must be plated after installation)	RS	05-07	102-105	3454FA	4.350"
Raptor 700R	PA	06-20	102-105	3540FA	4.325"
Grizzly 700	PA	07-20	102-105	3540FA	4.325"
Rhino, Viking, Kodiak 700	PA	09-20	102-105	3540FA	4.325"

Yamaha Street

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD
RD350	CS	73-75	64	3627FA	2.760"
RZ350 (48H) Liquid Cooled	CS	84-85	64-68	3842FA	3.000"
RD400	CS	76-78	64-66	3563FA	3.000"
RD400 - Big Bore	CS	76-78	68	3882FA	2.950"
RD400 Thin Sleeve (2R9)	CS	79	64	3768FA	2.660"
FZR600	RS	89-99	59-60	3463FA	2.523"
XS650 Big Bore to 750cc	RS	72-85	80-82	3066FA	3.400"
FZR 1000	RS	87-88	75-76	3094FA	3.152"
FZR 1000 Stock sleeve	RS	86-96	75.5-76.5	3069FA	3.170"
FZR 1000 Big Bore	PA	89-96	77-78	3510FA	3.250"
YZF 1000 Thunder Race	PA	97-98	77-78	3510FA	3.250"
R1	PA	99-03	74-76	3369SA	3.150"
FZ1	PA	01-05	74-76	3369SA	3.150"
FJ1200 Legend Cars	RS	All	77-78	3006FA	3.233"
FJ 1100	RS	84-85	77-78	3015FA	3.232"
FJ 1200 Sleeve will fit piston sizes 77-78mm,	RS	86-93	77-78	3015FA	3.232"
77mm is STD. for the FJ1200	RS		77-78	3015FA	3.232"
FJ 1100	RS	84-85	79-81	3032FA	3.390"
FJ1200 Big Bore for 79-81mm piston sizes	RS	86-93	79-81	3032FA	3.390"
VMAX 1200	RS	85-05	76-78	3186FA	3.270"
VMAX 1200	RS	85-05	84-86	3185FA	3.546"
Venture 1200 Big Bore	RS	83-85	84-86	3185FA	3.546"
FJR1300	PA	03-08	79-79.5	3470FA	3.228"
Warrior	PA	02-09	97-99	3592FA	4.060"



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