

Model	Cyl Type	Year	Bore Size	Part #	Sleeve OD	Retail Price
Arctic Cat ATV						
50 2x4 49cc	IC	04	41-43	3423FA	1.855"	98.83
300 4x4 & 2x4	CS	98-04	67-72	3451FA	3.012"	95.95
375 4x4 & 2x4	CS	02	82-85.5	3469FA	3.535"	95.95
DVX400	PA	06-08	90-94.5	3287FA	3.880"	109.62
DVX400 Big Bore to 440cc	PA	06-08	94-96	3481FA	3.940"	109.62
400 4x4 & 2x4	CS	03-07	82-85.5	3469FA	3.535"	95.95
Prowler 700 Side By Side	PA	2009	102-104	3642FA	4.254"	95.95
GAS GAS						
MC, EC, SM250	PA	1997-11	66.4MM	3648FA	3.073"	136.96
Harley Davidson						
XR750 (Aluminum Sleeve must be plated)	RS	All	3.162"-3.270"	3396FA	3.445"	171.71
883 Inner Sleeve for 3443FA	CS	All	3.000"	3455FA	3.170"	82.95
883 Outer Sleeve for 3455FA	CS	All	3.000"-3.500"	3443FA	3.800"	171.71
1200 Sportster	CS	88-09	3.498"-3.640"	3075FA	3.800"	95.95
V ROD 1250 (Finished honed)	WS	07-12	4.134"	3619FA	4.440"	261.97
Destroyer V ROD 1300			4.164"	3631FA	4.440"	261.97
V ROD Big Bore (Cases must be bored to accept overbore sleeve)	WS	01-07	4.250"	3392FA	4.444"	261.97
1340 Big Twin Evo	CS	84-99	3.498"-3.790"	3245FA	3.950"	95.95
1340 Big Twin Evo Big Bore Sleeve for 3.625" to 3.740" Bore, (Extensive machining required)	CS	84-99	3.625"-3.740"	3035FA	3.950"	95.95
Twin Cam 88"	CS	99-09	3.750-3.905"	3484FA	4.055"	95.95
Twin Cam 88" Aluminum Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	99-09	3.750-4.00"	3461FA	4.275"	171.71
Twin Cam 88" Big Bore Sleeve for 4.000" to 4.075" Bore, (Extensive machining required)	CS	99-09	4.000"-4.075"	3209FA	4.275"	95.95
Twin Cam 88" Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	99-09	4-4.140"	3483FA	4.300"	95.95
Twin Cam 88" Big Bore Sleeve (Cases must be bored to accept overbore sleeve)	CS	99-09	4.125"-4.140"	3604FA	4.300"	95.95
Twin Cam 96" Big Bore Front Cylinder	CS	ALL	4.125"-4.140"	3621FA	4.300"	95.95
Twin Cam 96" Big Bore Rear	CA	ALL	4.125"-4.140"	3622FA	4.300"	95.95
Honda mx/dirt/off-road						
CR60	PA	83	41-43	3218FA	1.855"	98.83
CR80R	PA	80-82	49.5-57	3453FA	2.420"	98.83
CR80,ATAC	PA	84	49.5-54	3300FA	2.300"	98.83
CR80	PA	85	47-48	3201FA	2.050"	98.83
CR80	PA	86	47-48	3119FA	2.050"	98.83
CR80	PA	87	47-48	3127FA	2.050"	98.83
CR80	PA	88-02	47-48	3101FA	2.090"	98.83
CR80 Big Bore	PA	86-02	52-52.5	3474FA	2.230"	98.83
CR85R	PA	02-08	47.5-49	3472FA	2.490"	98.83
CR85R Big Bore	PA	02-08	49.5-50.5	3475FA	2.090"	98.83
CR85R Big Bore	PA	02-08	52-52.5	3476FA	2.230"	98.83
CR125	CS	1975-78	56-58	3595FA	2.445"	105.95
CR125R Thick Sleeve	CS	81-82	55.5-63	3114FA	2.650"	105.95
CR125 Thick Sleeve	CS	85-86	54-59	3118FA	2.650"	105.95
CR125 Thick Sleeve	CS	87-88	54-60	3128FA	2.520"	105.95
CR125R	PA	89	54-55	3131FA	2.330"	105.95
CR125R	PA	90-91	54-55	3033FA	2.330"	105.95
CR125R	PA	92	54-56	3334FA	2.365"	105.95
CR125R	PA	93-95	54-56	3034FA	2.365"	105.95
CR125R	PA	96-99	54-56	3259FA	2.365"	105.95
CR125R (99)	PA	00	54-55	3325FA	2.365"	105.95
CR125R (00)	PA	01	54-56	3377FA	2.365"	105.95

CR125R (01)	PA	02	54-56	3418FA	2.365"	105.95
CR125R	PA	03	54-56	3433FA	2.365"	105.95
CR125R	PA	04	54-56	3494FA	2.365"	105.95
CR125R	PA	05-07	54-56	3495FA	2.365"	105.95
CR125 to 139cc	PA	05-07	57	3531FA	2.405"	105.95
CR250R	CS	78-80	70-72	3113FA	3.015"	119.95
CR250R	CS	81-83	66	3193FA	2.750"	119.95
CR250R ATAC Thick Sleeve	CS	84	66-76	3385FA	3.165"	119.95
CR250R	CS	85	66.4-68.5	3599FA	2.865"	119.95
CR250R	PA	86	66.4-68.5	3057FA	2.865"	119.95
CR250R	PA	87	66.4-68.5	3129FA	2.865"	119.95
CR250R	PA	88	66.4-68.4	3130FA	2.865"	119.95
CR250R	PA	89	66.4-68.5	3132FA	2.865"	119.95
CR250R	PA	90-91	66.4-68.5	3133FA	2.865"	119.95
CR250R	PA	92	66.4-68.5	3318FA	2.865"	119.95
CR250R	PA	93	66.4-68.5	3134FA	2.865"	119.95
CR250R (KZ3L)	PA	94	66.4-68.5	3335FA	2.870"	119.95
CR250R (KZ3M)	PA	95-96	66.4-68.5	3103FA	2.865"	119.95
CR250R (KZ3P)	PA	97-98	66.4-68.5	3220FA	2.865"	119.95
CR250R (KZ3S, KZ3T)	PA	99-00	66.4-68.5	3280FA	2.865"	119.95
CR250R (KZ3V)	PA	01	66.4-68.5	3330FA	2.865"	119.95
CR250R (KZ3W, KZ3X, KSK)	PA	02-04	66.4-68.5	3361FA	2.865"	119.95
CR250R	PA	05-07	66.4-68.5	3497FA	2.865"	119.95
CR500R	CS	84	89-94	3647FA	3.875"	136.96
CR500R	CS	85-86	89-94	3283FA	3.875"	136.96
CR500R	CS	87-88	89-94	3278FA	3.875"	136.96
CR500R	CS	89-02	89-89.5	3358FA	3.875"	136.96
Z50R	IC	82-99	39-41	3447FA	1.775"	82.95
XR50R		00-03				
CRF50F		04-10				
XL80	CS	82-85	47.5-50	3374FA	2.135"	82.95
XR80R		79-03				
CRF80F		04-10				
XR100	CS	92-03	53-55	3426FA	2.325"	82.95
CRF100F		04-10				
XR100 Big Bore to 119cc	CS	92-03	58	3078FA	2.455"	82.95
CRF100F Big Bore to 119cc		04-10				
CRF150R	PA	2007-08	66-68	3524FA	2.840"	95.95
CRF150R	PA	2007-08	69-70	3543FA	2.920"	95.95
CRF150R DUCTILE WET LINER	PA	2007-08	69-70	3583FA	2.920"	122.96
XR200R	CS	86-02	65.5-67	3115FA	2.800"	82.95
CRF230 All Models	CS	All	68	3579FA	2.874"	82.95
XR250R	RS	86-04	73-77	3120FA	3.192"	95.95
XR250L	RS	91-96				
CRF250R, CRF250X	PA	04-11	78-80	3523FA	3.325"	95.95
DUCTILE WET LINER		04-11	82			95.95
CRF250L	CI	2012	81MM	3639FA	3.349"	95.95
XL350		73-79	79	3628FA	3.55	95.95
XR400	RS	96-04	85-87	3236FA	3.589"	95.95
XR400 Big Bore to 440cc	RS	96-04	89-90.5	3052FA	3.729"	95.95
CRF450R	PA	02-08	96-97	3357FA	3.982"	109.62
CRF450R Big Bore	PA	02-08	98-99.5	3467FA	4.080"	109.62
CRF450R	PA	2009	96-97	3605FA	3.979"	109.62
XL/XR500	RS	78-82	89-94	3112FA	3.860"	109.62
XL/XR500 Big Bore	RS	78-82	95	3226FA	3.940"	109.62
XR500 Radial Head	RS	83-84	92	3641FA	3.841"	109.62
XR500 Big Bore Aluminum Sleeve	RS	All	94-96	3480FA	3.940"	109.62
XR600	RS	91-00	97-99	3102FA	4.061"	95.95
XR600 Big Bore to 100mm	RS	88-90	100-102	3004FA	4.208"	95.95
XR650L	RS	93-09	100-103	3359FA	4.221"	95.95
XR650R	RS	00-07	100	3273FA	4.100"	95.95
XR650R Big Bore to 102mm	RS	00-07	102-102.5	3274FA	4.193"	95.95

Honda ATV

ATC250R 3-Wheeler	CS	81-84	70	3317FA	2.900"	119.95
ATC250R Four Trax, 1 Intake	CS	85-86	66	3117FA	2.750"	119.95
ATC250R Thick Sleeve, 1 Intake	CS	85-86	66-72	3223FA	3.165"	119.95
ATC250R Aluminum Thick Sleeve, 1 Intake	CS	85-86	68-72	3240FA	3.165"	237.56
TRX 250R Four Trax, 3 Intakes	CS	87-89	66	3221FA	2.750"	119.95
TRX 250R Four Trax Thick Sleeve, 3 Intakes	CS	87-89	66-76	3206FA	3.165"	119.95
TRX250R Aluminum Thick Sleeve, 3 Intakes	CS	87-89	68-72	3239FA	3.165"	190.05
350 Odyssey	CS	85-86	80-81	3238FA	3.390"	119.95
ATC200X	CS	86-87	65-66	3257FA	2.760"	82.95
TRXSX		86-88				
Fat Cat 200		86-87				
4-TRAX 250X	RS	87-92	74-77	3062FA	3.194"	82.95
TRX250D Recon	RS	1997-07	68.5	3635FA	2.975"	82.95
TRX 250EX Sport Trax	CS	01-08	68.5-70	3508FA	2.910"	82.95

TRX300 2 Valve	RS	88-00	74-77	3373FA	3.194"	82.95
TRX300EX 4 Valve		92-09				
TRX300EX 4 Valve	RS	92-09	80	3537FA	3.310"	95.95
4-TRAX 350X	RS	85-89	81-84	3082FA	3.468"	95.95
ATC350X		85-86				
TRX350 Rancher TM, TS	RS	00-07	78.5-81.5	3360FA	3.375"	95.95
TRX400EX	RS	99-08	85-87	3236FA	3.589"	95.95
TRX400EX Big Bore for 89mm piston 440cc	RS	99-09	89-90.5	3052FA	3.729"	95.95
TRX400EX Aluminum Stock Conversion Sleeve	RS	99-09	85-86.5	3301FA	3.589"	171.71
TRX400EX Big Bore Aluminum Sleeve for 89mm piston 440cc	RS	99-09	89-90.5	3055FA	3.729"	171.71
TRX400 4x4 Foreman	RS	95-04	86-90	3187FA	3.705"	95.95
400 Rancher AT	CS	38448	85-88.5	3457FA	3.646"	95.95
Fourtrax 420 Rancher	CS	2007-10	86.5-88.5	3598FA	3.650"	95.95
450 Foreman ES, S	RS	98-04	90-93	3409FA	3.821"	95.95
TRX450R	PA	38446	94-97	3466FA	3.985"	95.95
TRX450R	PA	38446	98-100	3530FA	4.080"	95.95
TRX450	PA	38511	98-100	3542FA	4.120"	109.62
Four Trax Foreman 500 Air Cooled	RS	05-08	92-95	3535FA	3.944"	95.95
Four Trax Foreman 500, 500 Rubicon Liquid Cooled	CS	38390	92	3355FA	3.775"	95.95
Four Trax 650 Rincon	CS	38415	100	3414FA	4.100"	95.95

Honda Street

CBR250R	CI	2012	81MM	3639FA	3.349"	95.95
CB360 TWIN	RS	1975-78	67MM	3637FA	3.000"	82.95
CBR600, F2&F3	RS	90-98,04	65-68	3037FA	2.850"	82.95
Hawk 650NT Twin	CS	All	80-81.5	3411FA	3.380"	95.95
CB750K		1973-78	61MM	3618FA	2.740"	82.95
CB900F		79-82		3569FA	2.818"	82.95
CB900 Big Bore Sleeve to 988 - 1032cc	RS	79-83	67.5-69.5	3081FA	2.913"	82.95
CBR900RR	CS	92-95	70-74	3011SA	3.100"	82.95
CBR900RR Big Bore Sleeve for 72mm	CS	92-95	72-73	3005FA	3.050"	82.05
CBR954RR Outside Sleeve		2002-04	76	3584FA	3.160"	
CBR954RR Inside Sleeve		2002-04	76	3585FA	3.160"	
VTX1800 Big Bore	CS	38390	103.5-106	3380FA	4.350"	95.95
Husqvarna						
CR125	PA	2000	54-56	3614FA	2.286"	105.95
250		73	69.43	3624FA		
360		61-71		3617FA	3.430"	136.96
360GP	CS	75-77	82MM	3643FA	3.648"	136.96
500		82-84	85.92	3629FA	3.670"	

Kasea ATV

Kasea 50cc (3YJ)	IC	All	40-41	3464FA	1.785"	98.83
Kasea Big Bore Air Sal Cylinder	PA	All	47-48	3465FA	2.055"	98.83

Kawasaki mx/dirt/off-road

KDX50	PA	03-06	41-43	3423FA	1.855"	98.83
KX60	PA	83-03	43-44.5	3142FA	1.925"	98.83
KX65	PA	02-09	44.5-46.5	3402FA	1.990"	98.83
KDX80	PA	80-82	48-50.5	3135FA	2.150"	98.83
KDX80	PA	83-88	48-50.5	3255FA	2.150"	98.83
KX80	PA	78-79	48-50.5	3135FA	2.150"	98.83
KX80	PA	80-82	48-50.5	3040FA	2.150"	98.83
KX80	PA	84	48-50	3140FA	2.150"	98.83
KX80	PA	85	48-49	3368FA	2.090"	98.83
KX80	PA	86-87	48-50	3042FA	2.150"	98.83
KX80 (#1,N1)	PA	88-90	48-50	3046FA	2.145"	98.83
KX80	PA	91-94	48	3049FA	2.050"	98.83
KX80	PA	95-97	48-50	3326FA	2.145"	98.83
KX80	PA	98-00	48-50.5	3267FA	2.150"	98.83
KX85	PA	01-09	48.5-50.5	3296FA	2.150"	98.83
KE100	PA	74-79	49.5-53	3137FA	2.260"	105.95
KE100	PA	86-95	49.5-53	3538FA	2.260"	105.95
KX100	PA	95-97	52.5-54	3171FA	2.286"	105.95
KX100	PA	98-05	52.5	3545FA	2.310"	105.95
KX100	PA	06-09	52.5-54.5	3248FA	2.310"	105.95
KX125	PA	74-77	56-58	3600FA	2.445"	105.95
KX125	PA	83-84	56-56.5	3138FA	2.385"	105.95
KX125 (KIPS,1476)	PA	85-86	56-57	3041FA	2.405"	105.95
KX125 (KIPS,1508)	PA	87	56-56.5	3157FA	2.385"	105.95
KX125 (KIPS,1539)	PA	88	56-56.5	3159FA	2.385"	105.95
KX125 (1565)	PA	89	56-56.5	3162FA	2.400"	105.95
KX125 (1602,1645)	PA	90-91	56-57	3048FA	2.400"	105.95
KX125 (1672)	PA	92	54-56	3167FA	2.365"	105.95
KX125 (1687)	PA	93	54-56	3168FA	2.330"	105.95
KX125 (1720)	PA	94	54-56	3170FA	2.365"	105.95
KX125 (1752)	PA	95	54-55	3336FA	2.330"	105.95

KX125 (1794,1840)	PA	96-97	54-56	3331FA	2.365"	105.95
KX125 (1852,1881)	PA	98-99	54-56	3337FA	2.365"	105.95
KX125 (1921)	PA	2000	54-56	3264FA	2.365"	105.95
KX125 (1939)	PA	1	54-56	3356FA	2.365"	105.95
KX125 (1960)	PA	2	54-56	3390FA	2.365"	105.95
KX125 (1978)	PA	3	54-56	3431FA	2.365"	105.95
KX125 (0013)	PA	04-08	54-56	3468FA	2.365"	105.95
KX125 to 144cc	PA	04-08	58	3528FA	TBA	105.95
KLX125 Fits STD. Bore to +4mm, 143cc	PA	02-06	57-61	3435FA	2.565"	105.95
KDX175	PA	82-83	66-68	3194FA	2.850"	105.95
KDX200	PA	86-88	66-67	3225FA	2.800"	105.95
KDX200	PA	89-94	66-68	3047FA	2.840"	105.95
KDX200	PA	95-04	66-67	3097FA	2.800"	105.95
KDX220	PA	97-05	69-71	3587FA	2.965	119.95
KDX250	PA	91-94	67.4-69.5	3071FA	2.900"	119.95
KX250	PA	85	70-72	3141FA	3.000"	119.95
KX250	PA	86	70-72	3067FA	3.000"	119.95
KX250	PA	87	67.4-69.5	3158FA	2.900"	119.95
KX250	PA	88	67.4-69.5	3160FA	2.900"	119.95
KX250	PA	89	67.4-69.5	3163FA	2.900"	119.95
KX250	PA	90	67.4-69.5	3164FA	2.900"	119.95
KX250 (1643)	PA	91	67.4-69.5	3165FA	2.900"	119.95
KX250 (1671)	PA	92	66.4-68.5	3166FA	2.865"	119.95
KX250 (1686)	PA	93	66.4-68.5	3169FA	2.865"	119.95
KX250 (1722)	PA	94	66.4-68.5	3322FA	2.865"	119.95
KX250 (1751)	PA	95	66.4-68.5	3222FA	2.865"	119.95
KX250 (1793)	PA	96	66.4-68.5	3292FA	2.865"	119.95
KX250 (1835)	PA	97	66.4-68.5	3338FA	2.865"	119.95
KX250 (1851)	PA	98-99	66.4-68.5	3289FA	2.865"	119.95
KX250 (1911,1938)	PA	00-01	66.4-68.5	3407FA	2.865"	119.95
KX250 (1959,1979)	PA	02-03	66.4-68.5	3499FA	2.865"	119.95
KX250 (0027)	PA	05-08	66.4-68.5	3498FA	2.865"	119.95
KX420	PA	80-81	83-84.5	3249FA	3.502"	119.95
KDX420	PA	81	83-84.5	3249FA	3.502	119.95
KX500	PA	88	86-88	3202FA	3.640"	136.96
KX500	PA	89-04	86-89.5	3161FA	3.700"	136.96
KLT110	PA	83-86	51-53	3410FA	2.253"	82.95
KLX110	PA	02-09	53-58	3378FA	2.246"	82.95
KLX110 Big Bore to 150	PA	02-09	61	3471FA	2.559"	82.95
KLX125	PA	02-06	57	3408FA	2.410"	82.95
KLX125 Fits STD. Bore to +4mm, 143cc	PA	02-06	57-61	3435FA	2.565"	105.95
KX250F	PA	04-08	77-79	3507FA	3.270"	95.95
KLX300	PA	97-06	78-80	3541FA	3.310"	82.95
KLX400 STD to +4.5mm	PA	03-06	90-94.5	3287FA	3.880"	109.62
KLX400 Big Bore	PA	03-06	94-96	3481FA	3.940"	109.62
KLX 400 Aluminum Big Bore	PA	00-04	94-96.5	3401FA	3.965"	171.71
KXF450	PA	06-10	96-98	3525FA	3.640"	95.95
KXF450F Big Bore	PA	06-10	100-102	3607FA	4.018"	165.32

Kawasaki ATV

KXT250 3-Wheeler	PA	84-85	70-72	3139FA	3.000"	119.95
KXT250 3-Wheeler	PA	86-87	70-72	3067FA	3.000"	119.95
Tecate 4-Wheeler	PA	87-88	67.4-69.5	3158FA	2.900"	119.95
KLT110	RS	84-86	51-53	3410FA	2.253"	82.95
KLF110 Mojave	RS	87-89	51-53	3410FA	2.253"	82.95
KSF250 Mojave, KSX250 Mojave Big Bore 83-84mm	RS	87-05	83-84.5	3393FA	3.503"	95.95
KLF300 Bayou	CS	86-04	76-79.5	3348FA	3.305"	82.95
KEF300 Lakota	CS	95-03	76-79.5	3348FA	3.305"	82.95
KVF300 Prairie	CS	99-03	76-79.5	3348FA	3.305"	82.95
KVF360 Praire	CS	03-08	80	3473FA	3.310"	95.95
KFX400	PA	03-06	90-94.5	3287FA	3.880"	109.62
KFX400 Big Bore to 440cc	PA	03-06	94-96	3481FA	3.940"	109.62
KFX450R	PA	07-09	96-98	3522FA	4.020"	109.62
KVF650 Praire	RS	02-03	80-82	3398FA	3.388"	95.95
Brute Force	RS	06-09	80-82	3398FA	3.388"	95.95
Praire Brute Force 750	RS	05-08	85-87	3502FA	3.585"	109.62
KFX700 / PRAIRIE 700	PA	2003-09	82-84	3589FA	3.475"	95.95
KFX700 / PRAIRIE 700	PA	2003-09	85-87	3590FA	3.590"	95.95

Kawasaki Street

KH400 S3	CS	1976	57-59MM	3640FA	2.522"	
H1 500	CS	69-76	60-62	3620FA	2.640"	119.95
H2 750 Triple STD 2.5mm Overbore	CS	All	71-73.5	3389FA	3.200"	119.95
ZX6	RS	95-02	66-67.5	3104FA	Stepped	95.95
ZX7R Ninja	RS	96-03	73-75	3477FA	Stepped	95.95
GPZ750, KZ750, ZN750, ZX750E1 TURBO	RS	1980-86	66-69MM	3636FA	2.838"	95.95
KZ900	RS	73-77	70-72	3029FA	2.995"	82.95

ZXR9R Ninja	WS	98-99	75-76.5	3261FA	3.230"	95.95
ZXR9R	PA	38385	76-78	3560FA	3.230"	82.95
Vulcan 900	WS	2006-07	88MM	3573FA	N/A	109.62
KZ1000	RS	76-80	70-72	3099FA	2.995"	82.95
KZ1000 (Fits overbore kits from 71mm - 77mm)	RS	76-80	71-77	3030FA	3.200"	82.95
KZ1000/ GPZ1100 (Fits overbore kits from 80mm - 83.5mm)	RS	76-80	80-83.5	3031FA	3.450"	83.96
KZ1000/ GPZ1100 (Sleeve fits overbore kits from 76mm - 79mm)	RS	76-80,83-84	76-79	3010FA	3.275"	82.95
ZX11 Ninja	RS	90-91	76-78.5	3421FA	3.314"	95.95
KTM mx/dirt/off-road						
50 Air Cooled Non-Reed LEM (FM2076)	CS	96	39-41	3459FA	1.850"	98.83
50 Air Cooled Reed LEM (FM2082)	PA	94-01	39-41	3198FA	1.775"	98.83
50 Reed Motor	PA	98-01	39-41	3314FA	1.775"	98.83
50 Reed Motor Big Bore to 60cc	PA	98-01	43-43.5	3313FA	1.885"	98.83
50 Sr.	PA	2001-2007	39.5-41.5	3424FA	1.795	98.83
65SX.	PA	03-06	45-47	3519FA	1.990"	98.83
85SX	PA	04-09	47	3488FA	2.010"	98.83
105	PA	04-08	52-54	3611FA	2.286"	105.95
125SX,E/XC	PA	93-94	54.25	3077FA	2.315"	105.95
125SX,E/XC	PA	2001-2007	54	3485FA	2.286"	105.95
200M/XC,E/XC	PA	98-02	64-65	3376FA	2.722"	105.95
250MX	PA	85-87	67.5-69	3250FA	2.890"	119.95
250MX	PA	96-97	67.5-68.5	3256FA	2.860"	119.95
250 SX/EXC	PA	2005-06	66.4	3581FA	2.775"	119.95
250SXF	PA	2008	76MM	3596FA	3.235"	119.95
300	PA	1990-94	72MM	3597FA	3.060"	119.95
300M/XC,E/XC	PA	97-98	72-73.5	3244FA	3.060"	119.95
300M/XC,E/XC	PA	2002-05	72	3580FA	3.060"	119.95
300XC-W	PA	2008	72	3616FA	2.995"	119.95
350	PA	2011	88-90	3609FA	3.703"	119.95
360 Thick Sleeve	PA	96-99	78-78.5	3252FA	3.253"	119.95
380SX,E/XC,M/XC	PA	98-02	78-78.5	3269FA	3.253"	119.95
450SX,M/XC,E/XC,XC/G BIG BORE	PA	2003-07	95MM	3586FA	3.900"	
520	PA	00-02	95-97	3539FA	4.020"	95.95
525SX,EXC	PA	2003-08	95-97	3539FA	4.020"	95.95
550MXC	PA	93-96	92.25	3079FA	3.815"	140.13
Polaris ATV						
250 Trail Boss	CS	86-99	72-74.5	3320FA	3.095"	119.95
Trail Blazer	CS	90-06	72-74.5	3320FA	3.095"	119.95
Xplorer	CS	00-02	72-74.5	3320FA	3.095"	119.95
ATV300L, Xplorer 300, Xpress 300	CS	94-00	74.5-75	3105FA	3.115"	119.95
ATV400L, Xplorer 400, Scrambler 400, Sport 400, Trailblazer 400	CS	94-05	83-85	3108FA	3.510"	119.95
Sportman 335 4x4	CS	99-00	78-79.5	3437FA	3.300"	82.95
Sportman 500, Scrambler 500, Magnum 500 (STD to +1mm)	CS	96-07	92-93	3388FA	3.855"	95.95
Predator 500	PA	03-07	99.2	3404FA	4.055"	95.95
Predator 500 Big Bore	PA	03-07	104.75 to 107.5	3458FA	4.400"	95.95
525 Outlaw		07-08	95-97	3613FA	3.979	86.58
RZR 800	PA	08-10	80-81	3565FA	3.350"	109.62
Bombardier / CAN AM						
DS450, DS450X	PA	2008	97	3594FA	4.025"	106.92
DS650 Big Bore	PA	ALL	105	3571FA	4.325"	109.62
Rotax						
500 Cast Iron	RS	All	89-91	3350FA	3.750"	109.62
500 Aluminum	RS	All	89-91	3351FA	3.744"	171.71
500 Big Bore Aluminum	RS	All	91.5-93	3352FA	3.835"	171.71
600 Nikasil Cyl. Debore to 89mm Aluminum	RS	All	89-93.5	3353FA	3.850"	171.71
600 Aluminum Debore to 89mm	RS	All	89-99	3364FA	4.066"	171.71
600 Aluminum Debore to 95mm	RS	All	95	3354FA	3.900"	171.71
600 Aluminum Big Bore	RS	All	102-104	3446FA	4.255"	171.71
Suzuki mx/dirt/off-road						
JR50	PA	96-06	41-43	3423FA	1.855"	98.83
RM65	PA	03-06	44.5-46.5	3402FA	1.990"	98.83
RM80 G,H	CS	86-87	47.5-53	3262FA	2.250"	98.83
RM80 J	CS	88	47.5-51.5	3434FA	2.200"	98.83
RM80	CS	91-01	47.5-51.5	3111FA	2.200"	98.83
RM80 Big Bore	PA	91-01	52	3190FA	2.210"	98.83
RM80 Aluminum Big Bore	PA	91-01	47.5-52	3309FA	2.210"	190.05
RM85	PA	02-09	48-50	3394FA	2.130"	98.83

RM85 Supermini to 99cc	PA	02-09	52	3529FA	2.280"	98.83
RM100	PA	03-05	52.5-54	3171FA	2.286"	105.95
RM125	CS	77-78	54-56MM	3615FA	2.365"	105.95
RM125	CS	79-80	54-56MM	3625FA	2.365"	105.95
RM125 Z,D	CS	82-83	54	3121FA	2.285"	105.95
RM125 G	CS	86	54	3125FA	2.285"	105.95
RM125 H	CS	87	54-55.5	3146FA	2.345"	105.95
RM125 Thick Sleeve	CS	87	54-62	3298FA	2.600"	105.95
RM125 J	CS	88	54-55.5	3265FA	2.345"	105.95
RM125 K	CS	89	54-55	3151FA	2.355"	105.95
RM125 L	PA	90	54-55.5	3152FA	2.355"	105.95
RM125 M,N	PA	91-92	54-56	3045FA	2.365"	105.95
RM125 (#40)	PA	93	54-56	3154FA	2.365"	105.95
RM125 (#50,60,70)	PA	94-96	54-55	3156FA	2.340"	105.95
RM125	PA	97	54-56	3254FA	2.365"	105.95
RM125	PA	98-99	54-56	3299FA	2.365"	105.95
RM125	PA	00-03	54-56	3425FA	2.365"	105.95
RM125 (#36F)	PA	04-09	54-56	3501FA	2.365"	105.95
RM125 to 144cc	PA	04-09	58	3527FA	2.445"	105.95
RM250	CS	80	67-68.5	3606FA	2.865"	119.95
RM250 X	CS	81	67-68.5	3400FA	2.865"	119.95
RM250 E,F	CS	82-85	70-75	3123FA	3.120"	119.95
RM250 H	PA	87	67-68.5	3147FA	2.870"	119.95
RM250 J	PA	88	67-68.5	3150FA	2.860"	119.95
RM250 K,L	PA	89-90	67-68.5	3044FA	2.860"	119.95
RM250 M,N	PA	91-92	67-68.5	3153FA	2.860"	119.95
RM250 (#40)	PA	93	67-68.5	3155FA	2.860"	119.95
RM250 (#50)	PA	94	67-68.5	3290FA	2.860"	119.95
RM250 (#60)	PA	95	67-68.5	3339FA	2.860"	119.95
RM250	PA	96	66.4-68.5	3333FA	2.865"	119.95
RM250	PA	97	66.4-68.5	3340FA	2.865"	119.95
RM250	PA	98	66.4-68.5	3341FA	2.865"	119.95
RM250 (#30)	PA	99	66.4-68.5	3342FA	2.865"	119.95
RM250	PA	2000	66.4-68.5	3591FA	2.865"	119.95
RM250 (37F0)	PA	01	66.4-68.5	3306FA	2.862"	119.95
RM250 (37F1)	PA	02	66.4-68.5	3503FA	2.862"	119.95
RM250 (37F2)	PA	03	66.4-68.5	3397FA	2.862"	119.95
RM250 (37F3, 37F5)	PA	04-08	66.4-68.4	3504FA	2.862"	119.95
RMX250	PA	89-90	67-68.5	3207FA	2.860"	119.95
RMX250 M,N	PA	91-92	67-68.5	3153FA	2.880"	119.95
RMX250	PA	93-98	67-68.5	3088FA	2.860"	119.95
RMX250	PA	99-00	67-68.5	3268FA	2.860"	119.95
TM400	CS	74	82	3638FA	3.467"	143.2
RM400	CS	78-79	80	3601FA	3.343"	143.2
DRZ125 Standard - Big Bore	CS	02-08	57-61	3435FA	2.565"	105.95
DRZ250	PA	01-08	73-74	3379FA	3.076"	82.95
DRZ250 Big Bore	PA	01-08	80-81	3382FA	3.350"	95.95
RM-Z250	PA	04-06	77-79	3507FA	3.270"	95.95
DRZ 400 E,S	PA	00-09	90-94.5	3287FA	3.880"	109.62
DRZ 400 E,S Big Bore to 440cc	PA	00-09	94-96	3481FA	3.940"	109.62
DRZ 400 Aluminum Big Bore	PA	00-09	94-96.5	3401FA	3.965"	109.62
RM-Z450	PA	05-07	95.5-98	3526FA	4.020"	109.62
DR 750	CS	88-89	105-108.5	3430FA	4.445"	109.62

Suzuki ATV

LT50	PA	02-04	41	3323FA	1.750"	98.83
LT80	RS	All	50-54	3438FA	2.285"	98.83
LT80 Big Bore to 105cc	RS	All	54	3439FA	2.300"	98.83
LT185	CS	84-87	63	3449FA	2.640"	95.95
LT250F Quad Racer	CS	85	70-77	3316FA	3.200"	119.95
LT250G Quad Racer	CS	86	70-70.5	3126FA	2.945"	119.95
LT250G Quad Racer Thick Sleeve	CS	86	70-77	3219FA	3.200"	119.95
LT250H Quad Racer	CS	87	67-73	3148FA	3.050"	119.95
LT250J,K,L,M,N Quad Racer	CS	88-92	67-72.5	3050FA	3.025"	119.95
LT500RH Quad Racer	CS	87	86-86.5	3149FA	3.575"	136.96
LT500RH Thick Sleeve	CS	87	86-93	3383FA	3.850"	136.96
LT500J,K,L Quad Racer	CS	88-91	86-86.5	3251FA	3.575"	136.96
LT500J,K,L Quad Racer Thick Sleeve	CS	88-91	86-94	3266FA	3.860"	136.96
LT230 Quad Sport	CS	85-94	66	3122FA	2.765"	95.95
LT250 FWD Quadrunner, LTF 250, LT F4WD, LT250F, Ozark 250,	CS	87-95	66-70.5	3276FA	2.935"	95.95
OZARK 250, Z 250						95.95
Quad Sport Z400	PA	03-09	90-94.5	3287FA	3.880"	109.62
Quad Sport Z400 Big Bore to 440cc	PA	03-09	94-96	3481FA	3.940"	109.62
EIGER 400	CS	2002-07	82	3603FA	3.467"	95.95
R450 Quad Racer	PA	06-09	95.5-98	3515FA	4.040"	109.62
LTF500F,LT500AF Vinson	PA	98-07	87.5-88.5	3452FA	3.645"	95.95
King Quad 700	PA	05-08	102-103.5	3514FA	4.235"	95.95

Suzuki Street

TS 250X	CS	86-93	70-77	3405FA	3.190"	119.95
SV650, V STROM 650 STD. to +1mm	CS	99-06	81-82	3363FA	3.391"	109.62
SV650, V STROM 650 Big Bore	CS	99-06	83-84.5	3406FA	3.500"	109.622
GS750	CS	77-79	67-68	3277FA	2.878"	82.95
GSXR 750LC	RS	92-95	70-71	3090FA	2.996"	82.95
GS1100	RS	80-83	73-77	3271FA	3.192"	82.95
1104-1196cc						
GS100/GS1150	RS	80-83	76-79	3010FA	3.275"	82.95
GS1100 Overbore 1463-1496cc	RS	80-83	83-85	3028FA	3.550"	95.95
GSXR 1100 STD. to +2mm	RS	86-88	76-79.5	3413FA	3.300"	82.95
GSXR1100 (Fits Wiseco Block P1255-P1317)	RS	81-84	83-84.5	3188FA	3.500"	95.95
GSXR1100, GSXR1100F Katana	RS	89-92	78-81	3083FA	3.359"	82.95
GSXR1100LC	RS	93-98	79.5	3016FA	3.280"	95.95
GSF1200S Bandit	CS	84-86	74-81.5	3312FA	3.380"	82.95
1400 Intruder	CS	All	96	3384FA	3.940"	95.95

Yamaha mx/dirt/off-road

YZ50	IC	80	40	3417FA	1.730"	98.83
YZ60 (#5X1)		All	42	3224FA	1.800"	98.83
PW80	CS	thru 06	49	3582FA	2.090"	98.83
YZ80	CS	76	49-54	3456FA	2.285"	98.83
YZ80	CS	77	49-54	3272FA	2.300"	98.83
YZ80	CS	80	49-53	3275FA	2.350"	98.83
YZ80 (#39K)	CS	84	48-49	3093FA	2.100"	98.83
YZ80 (#58T)	CS	85	48	3412FA	2.040"	98.83
YZ80 (#1LR)	CS	86	48	3304FA	2.035"	98.83
YZ80 (#2HF,V,W,B)	CS	87-92	48-50	3172FA	2.130"	98.83
YZ80 (#4ES)	PA	93-01	47-49	3177FA	2.090"	98.83
YZ80 Supermini to 105cc	PA	93-01	52-52.5	3511FA	2.230"	98.83
YZ85 (#5PA)	PA	38391	47.5-49	3372FA	2.110"	98.83
YZ85 Supermini to 105cc	PA	38391	52-52.5	3511FA	2.230"	98.83
YZ125	CS	75	53-56	3208FA	2.361"	105.95
YZ125 (3R3,3N8)	CS	80	56-58	3626FA	2.443"	105.95
YZ125 (5X4)	CS	82	56-62	3482FA	2.624"	105.95
YZ125 (#24X)	CS	83	56	3319FA	2.352"	105.95
YZ125 (# 55Y)	CS	85	56	3144FA	2.360"	105.95
YZ125 (# 3JD)	PA	89	56-57.5	3173FA	2.430"	105.95
YZ125 (#3SR)	PA	90	56-58	3175FA	2.445"	105.95
YZ125 (#3XJ)	PA	91	56-58	3174FA	2.445"	105.95
YZ125 (#4DB)	PA	92	56-57.5	3343FA	2.445"	105.95
YZ125 (# 4EX)	PA	93	56-57.5	3178FA	2.430"	105.95
YZ125 (#4JY,4PE)	PA	94-95	54-56	3182FA	2.365"	105.95
YZ125 (# 4SS)	PA	96-98	54-56	3183FA	2.365"	105.95
YZ125 (# 5ET,5HD,5MV)	PA	99-01	54-56	3217FA	2.365"	105.95
YZ125 (# 5NY)	PA	02	54-56	3422FA	2.365"	105.95
YZ125 (# 5UN)	PA	03-04	54-56	3441FA	2.365"	105.95
YZ125	PA	05-09	54-56	3506FA	2.365"	105.95
YZ125 to 144cc	PA	99-12	58	3520FA	2.445"	105.95
RT180	CS	90-00	64.5-65.5	3371FA	2.741"	105.95
WR200 (# 3XP)	PA	90-95	66.8-67.5	3200FA	2.830"	105.95
YZ250 (#3R4,3V3)	CS	80-81	70-76.5	3295FA	3.178"	119.95
YZ250 (# 39X)	CS	84	68-72	3308FA	3.000"	119.95
YZ/WR 250 (#3JE)	CS	89	68-72.5	3346FA	3.025"	119.95
YZ/WR 250 (# 3SP)	CS	90	68-72.5	3253FA	3.025"	119.95
YZ/WR 250 (#3XK)	PA	91	68-72.5	3260FA	3.025"	119.95
YZ/WR 250 (#4DA)	PA	92	68-72	3176FA	3.015"	119.95
YZ/WR 250 (#4EW)	PA	93	68	3179FA	2.865"	119.95
YZ/WR 250 (# 4JX,4MX)	PA	YZ 94-95	68-70	3181FA	2.915"	119.95
		WR 94-97				
YZ250 (#4SR)	PA	96	68-70	3329FA	2.915"	119.95
YZ250 (#4XL)	PA	97	68-68.5	3344FA	2.865"	119.95
YZ250 (#4XL)	PA	98	68-70	3345FA	2.915"	119.95
YZ250 (# 5CU,5MW,5UP)	PA	99-09	66.4-68.5	3332FA	2.865"	119.95
YZ360		1974-75				
DT400		1975		3634FA	3.585"	136.96
YZ490 (#5X6)	CS	1982	87-89	3588FA	3.820"	136.96
YZ490	CS	84-86	87	3612FA	3.820"	136.96
YZ490 (#2HJ)	CS	87-90	87-93	3324FA	3.820"	136.96
IT 490 (26A)	CS	83-84	87-89	3649FA	3.820"	136.96
TT-R90	IC	00-06	52	3490FA	2.210"	82.95
TT-R125	RS	00-07	54MM	3518FA	2.367"	82.95
TT-R250	RS	99-06	73-74.5	3479FA	3.098"	82.95
YZ,WR 250F	PA	38353	77-79	3305FA	3.273"	82.95
YZ,WR 250F (5XC)	PA	38418	77-79	3493FA	3.275"	95.95
YZ,WR 250F Big Bore	PA	38418	80-81	3534FA	3.350"	95.95

XT350	PA	85-00	86-88	3311FA	3.625"	95.95
YZ400F Big Bore, WR400F Big Bore	PA	98-99 98-00	96-100	3196FA	4.100"	95.95
YZ450F, WR450F (#5TA, 2S2)	PA	03-08	95-97	3428FA	3.900"	95.95
YZ450F Big Bore (#5TA, 2S2)	PA	03-08	98-100	3489FA	4.100"	109.62
SR, TT500 Big Bore +3	RS	78-82	88-90MM	3432FA	3.713"	95.95
XT550	RS	82-83	92-94.5	3263FA	3.902"	95.95
TT600	RS	84-96	95MM	3564FA	4.035"	95.95

Yamaha ATV

YFS 200 Blaster	CS	88-06	66	3100FA	2.750"	105.95
200 Blaster	CS	88-06	72-73	3577FA	3.080"	105.95
200 Blaster Thick Sleeve	CS	88-06	66-74	3270FA	3.080"	105.95
200 Blaster Big Bore	CS	88-06	72-73MM	3577FA	3.080"	105.95
200 Blaster Aluminum	CS	88-06	67-74	3310FA	3.080"	190.05
Tri-Z 250N 3-Wheeler	CS	85-89	68-74	3145FA	3.080"	119.95
YFZ 350 Banshee	CS	87-06	64	3061FA	2.660"	119.95
YFZ 350 Banshee	CS	87-06	66-69	3578FA	3.000"	119.95
YFZ 350 Banshee Thick Sleeve	CS	87-06	64-72	3214FA	3.000"	119.95
YFZ 350 Banshee Big Bore	CS	87-06	66-70	3578FA	3.000"	119.95
350 Banshee Aluminum	CS	87-06	64-72	3246FA	3.000"	190.05
BW200N	RS	85-90	67-69	3450FA	3.879"	82.95
YFM200 DXT		87-88				82.95
Tri Moto 200		87-88				82.95
Tri Moto 225, YTM 225, YTM225DX	RS	84-89	70-72	3143FA	2.998"	82.95
Raptor 250 300cc big bore	PA	08-09	81	3570FA	3.450"	95.95
YFB250 Timber Wolf	RS	90-00	71-72	3315FA	2.999"	82.95
Bruin 250		06				
Big Bear 250		07-08				
YFM 350 Warrior	RS	87-04	83-85	3107FA	3.510"	82.95
YFM 350 Big Bear		87-99				
YFM 350 Wolverine		95-09				
BW 350 Big Wheel		87-88				
Raptor 350		05-09				
Bruin 350		04-06				
Grizzly 350		07-09				
Kodiak 400	RS	93-99	83-84.5	3237FA	3.515"	95.95
Big Bear 400 Air Cooled		00-07				
Kodiak 400	RS	00-06	84.5-86.5	3509FA	3.575"	95.95
Grizzly 400 Liquid Cooled		08				
YFZ450F (#5TA, 2S2)	PA	03-08	95-97	3428FA	3.980"	95.95
YFZ450F Big Bore to 98 -100mm (#5TA, 2S2)	PA	04-09	98-100	3489FA	4.100"	109.62
YFZ450 Aluminum Big Bore	PA	04-09	98-100	3460FA	4.110"	171.71
Grizzly 600	PA	98-01	95-97	3191FA	4.019"	95.95
Grizzly 600 Big Bore Sleeve for 101mm piston (Crankcase clean up required)	RS	98-01	101	3192FA	4.150"	95.95
YFM 660 Raptor, Grizzly 660	RS	01-08	100-102	3347FA	4.182"	95.95
Rhino		05-07				
YFM 660 Raptor	RS	01-05	100-102	3630FA	4.182"	171.71
Grizzly 660		02-08				
Rhino		05-07				
ALUMINUM SLEEVE						
YFM 660 Raptor Big Bore to 727cc	RS	01-05	105-106	3367FA	4.350"	95.95
Grizzly 660 Big Bore to 727cc	RS	02-08				
Rhino 660 Big Bore to 727cc	RS	05-07				
YFM 660 Raptor Big Bore Aluminum (Must be plated after installation)	RS	01-05	102-105	3454FA	4.350"	171.71
Grizzly 660 Big Bore Aluminum (Must be plated after installation)	RS	02-08				
Rhino 660 Big Bore Aluminum (Must be plated after installation)	RS	05-07				
Raptor 700R	PA	06-09	102-105	3540FA	4.325"	95.95
Grizzly 700	PA	07-09				
Rhino 700	PA	09				

Yamaha Street

RD350	CS	73-75	64	3627FA	2.680"	119.95
RD400	CS	76-78	64-66	3563FA	2.870"	119.95
FZR400	RS	88-89	56-57	3247FA	2.405"	95.95
FZR600	RS	89-99	59-60	3463FA	2.523"	95.95
XS650	RS	72-85	75-78	3282FA	3.278"	82.95
XS650 Big Bore to 750cc	RS	72-85	80-82	3066FA	3.400"	88.67
FZR 1000	RS	87-88	75-76	3094FA	3.152"	95.95
FZR 1000 Sleeve will fit piston sizes up to 78mm	RS	89-96	75.5-76.5	3069FA	3.170"	95.95
FZR 1000	PA	89-96	77-78	3510FA	3.250"	95.95
YZF 1000 Thunder Race		97-98				95.95
YZF R1	PA	99-05	74-76	3369SA	3.150"	95.95

FJ1200 Legend Cars	RS	All	77-78	3006FA	3.231"	82.95
FJ 1100	RS	84-85	77-78	3015FA	3.232"	82.95
FJ 1200 Sleeve will fit piston sizes 77-78mm, 77mm is STD. for the FJ1200		86-93				82.95
FJ 1100	RS	84-85	79-81	3032FA	3.387"	82.95
FJ1200 Big Bore for 79-81mm piston sizes		86-93				82.95
FJ1100	RS	84-85	83-86	3020FA	3.550"	95.95
FJ1200 Overbore to 1380cc		86-93				
VMAX 1200	RS	85-05	76-78	3186FA	3.270"	82.95
VMAX 1200	RS	85-05	84-86	3185FA	3.546"	95.95
VENTURE 1200 Big Bore		83-85				
FJR1300	PA	03-08	79-79.5	3470FA	3.075"	82.95
WARRIOR	PA	02-07	97-99	3592FA	4.060"	106.32