

Northwest Sleeve



**POWERSPORTS / 2010**

**SNOWMOBILE**

**OFF-ROAD / DIRT / MX**

**ATV**

**PERSONAL WATERCRAFT**

**SPECIALTY / AFTERMARKET / CUSTOM**



## Cylinder Service and Technical Assistance

**Long before Northwest Sleeve** began manufacturing sleeves for OEM replacement we were a completely “custom” enterprise. Everything we did in our service area was done by hand, from scratch. If you’re under 40, the method of “dropping and etching” can be a bit confusing—but it’s the process by which we replicate the porting from cylinders. It takes a skilled eye and craftsman patience to return the cylinder bore to its exact specification.

**Most rebuilders can’t help you** or your customer if they can’t simply buy the sleeve they need “off the shelf”—that’s where Northwest’s cylinder rebuild services can be a valuable tool for you. Whether you need different sizes, different porting, vintage restoration or simply to install an OEM sleeve--our cylinder service and custom sleeve manufacturing are a perfect choice for your **two-or-four cycle** cylinder.

### PROFESSIONAL CYLINDER SERVICES

#### **Cylinder Sleeving most 2 cycles per hole with/without power valve**

- Installation, port blend, finish bore, hone, deck surface standard bore..... \$160.00
- Installation, port blend, finish bore, hone, deck surface big bore.....\$175.00
- Aftermarket cylinder: custom sleeve and installation.....\$230.00  
(labor only; does not include cost of sleeve)
- Aftermarket sleeves: installed in stock cylinders.....\$230.00  
(porting of cylinder required to match sleeve)

#### **Cylinder Sleeving most 4 cycles per hole**

- Installation, finish bore, hone, deck surface standard bore.....\$115.00
- Installation, finish bore, hone deck surface big bore.....\$125.00
- Installation where extensive cylinder boring is necessary.....(call for quote)

#### **Cylinder Boring, honing per hole**

- 2 cycle.....\$55.00
- 2 cycle, multiple pass.....\$82.50
- 4 cycle.....\$50.00
- 4 cycle, multiple pass.....\$75.00

#### **Additional Services**

- Custom sleeve / port match (not included above).....\$70.00
- Custom sleeve / 4 stroke .....\$25.00
- Install non-NWS Sleeve 4 stroke .....\$25.00
- Install non-NWS Sleeve 2 stroke .....\$40.00
- Re-install power valve.....\$25.00
- Stud, valve, manifold, reed removal.....\$25.00



## Table of Contents

ATV Sleeves....pg.3 – pg. 7	Specialty ATV....pg. 7
Off-Road / MX Sleeves....pg. 8 – pg. 14	Specialty Off-Road....pg. 14
Snowmobile Sleeves....pg. 15 – pg 18	Dealer Policy & General Information....pg. 19
Personal Watercraft Sleeves....pg. 19 - 20	CUSTOM SLEEVE ORDER FORM...pg. 23
	SERVICE DEPT. ORDER FORM...pg. 23

**ARCTIC CAT *ATV***

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
400 DVX, 2 X 4	P	04 – 08	90	3.820"	<b>0116</b>	\$92.00 (D2706)	
400X DVX <i>BIG BORE</i>	P	04 – 08	94.5 – 96.5	3.950"	<b>0116B</b>	\$114.00 (D4257)	
454CC BEARCAT 4X4, 2X2	P	96 – 98	84	3.500"	<b>0139</b>	\$107.00 (D2607)	
650 (633cc) 4 X 4	DI	04 – 06	80		<b>0222</b>	\$107.00 (D2607)	
650 PROWLER H1, 4 X 4	P	06 – 09 07 – 08	98	4.075"	<b>0224</b>	\$107.00 (D2607)	
700 EFI, 4X4 PROWLER, XTX, H1	P	06 – 09 08 – 09	102	4.235"	<b>0234</b>	\$114.00 (D4257)	

**BOMBARDIER (CAN-AM) *ATV***

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
DS 650	P	02 – 07	100	4.125"	<b>0122</b>	\$107.00 (D2607)	
DS 650 <i>BIG BORE</i>	P	02 – 07	105	4.325"	<b>0122B</b>	\$132.00 (D2178)	
OUTLANDER 800 H.O. RENEGADE	P	06 – 08 08 – 09	91 – 93	3.800"	<b>0221</b>	\$114.00 (D4257)	

**HONDA ATV**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
ATC 200 E, ES, M,S		81 – 86 84	65.5	2.725"	<b>0138</b>	\$72.00 (D2574)	
ODYSSEY	CI	THRU 84	70	3.000"	<b>1371</b>	\$92.20 (D5806)	
TRX 250R	CI	85 – 86	66	2.950"	<b>1332</b>	\$110.00 (D0627)	
TRX 250R	CI	87 – 89	66	3.000"	<b>1524</b>	\$110.00 (D0627)	
TRX 250D RECON	DI	97 – 09	68.5	2.980"	<b>0143</b>	\$82.00 (D2145)	
TRX 300 TRX 300, 2 VALVE	DI	88 – 00	74	3.195"	<b>0095</b>	\$77.00 (D2805)	
TRX 300 EX, X 4 VALVE	DI	93 – 09	74	3.195"	<b>0095</b>	\$77.00 (D2805)	WOSSNER8675
TRX 300 EX <i>BIG BORE</i>		93 – 09	80	3.305"	<b>0095B</b>	\$92.00 (D2706)	JE221833
ATC 350X FOUR TRAX	DI	85 – 86 86 – 89	81	3.475"	<b>0167</b>	\$77.00 (D2805)	WOSSNER8598
FL400 PILOT	CI	89 – 92	80	3.375"	<b>1511</b>	\$110.00 (D0627)	
TRX 400FW 4 X 4 FOREMAN	DI	95 – 04	86	3.710"	<b>0172</b>	\$77.00 (D2805)	
TRX 400 EX TRX 400 X	DI	99 – 08 09	85	3.590"	<b>0088</b>	\$77.00 (D2805)	PRO-X2500
TRX 400 EX <i>BIG BORE</i>		99 – 09	88 – 89.5	3.730"	<b>0088B</b>	\$84.50 (D7755)	CP-M2033
FOURTRAX 400 RANCHER AT	DI	04 – 07	85 – 88.5	3.648"	<b>0239</b>	\$94.00 (D4026)	
TRX 450 FOREMAN S, ES		98 – 04	90	3.821"	<b>0203</b>	\$77.00 (D2805)	
TRX 450R	P	04 – 05	94 – 96	3.900"	<b>0136</b>	\$94.00 (D4026)	CP-M2021
TRX 450R <i>BIG BORE – HIGH COOLING</i>	WS	04 – 05	98 – 99	4.045"	<b>0136BC- C6</b>	132.00 (D2178)	CP-M2024
TRX 450R <i>BIG BORE – HIGH COOLING</i>	WS	06 – 09	96 – 100	4.175"	<b>0210BC- C6</b>	\$132.00 (D2178)	CP-M2036 CP-M2054
TRX 650 RINCON	P	03 – 05	100	4.100"	<b>0197</b>	\$107.00 (D2607)	
TRX 680 RINCON	P	06 – 09				\$107.00 (D2607)	
TRX 700 XX	P	08 - 09	102	4.215"	<b>0245</b>	\$101.80	
TRX 700XX <i>BIG BORE</i>	P	08 – 09	105 - 106	4.330"	<b>0245B-C6</b>	\$132.00 (D2178)	

Customer Service Hours 8:30 – 5:00 Pacific  
Order Toll Free: 877-753-3830 503-666-8430  
E-mail: sales@nwsleeve.com

**KAWASAKI ATV**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KIT
KLF 220 BAYOU	DI	88 - 02	67	2.880"	<b>0214</b>	\$72.00 (D2574)	
KLF 300 BAYOU KEF 300 KVF 300 PRAIRIE	CI	86 - 05 95 - 03 99 - 03	76	3.225"	<b>0140</b>	\$77.00 (D2805)	WOSSNER8597
KVF 360 PRAIRIE	CI	03 - 09	80	3.375"	<b>0162</b>	\$77.00 (D2805)	
KLF 400 BAYOU KVF 400 PRAIRIE	DI	93 - 99 97 - 02	81	3.450"	<b>0144</b>	\$77.00 (D2805)	
KFX 400	P	02 - 06	90 - 94	3.820"	<b>0116</b>	\$92.00 (D2706)	WOSSNER8565
KFX 400 <i>BIG BORE</i>		02 - 06	94.5 - 96	3.950"	<b>0116B</b>	\$114.00 (D4207)	WOSSNER8563
KFX 450R	WS	08 - 09	96 - 100	4.140"	<b>0223BC- C6</b>	\$132.00 (D2178)	WOSSNER8709
KFX 700 PRAIRIE 700	DI	04 - 09 04 - 06	82	3.475"	<b>0157</b>	\$94.00 (D4026)	WOSSNER8679
KVF 650 KFX 700 <i>BIG BORE</i>	WS	02 - 03 04 - 09	87 - 88	3.660"	<b>0157BC</b>	\$122.00 (D2508)	
KVF 750 BRUTE FORCE TERYX 750 4 X 4	P	05 - 09 08 - 09	85	3.600"	<b>0187</b>	\$94.00 (D4026)	
KVF 750 BRUTE FORCE TERYX 4 X 4 <i>BIG BORE KIT: CP11.5:1, SLEEVES, GASKET KIT</i>	WS	05 - 09	90	3.735"	<b>0187BC</b>  <b>0187K</b>	\$122.00 (D2508)  \$ CALL FOR INFORMATION	

**POLARIS ATV**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
250 TRAIL BOSS TRAIL BLAZER XPLOER	CI	86 - 99 90 - 06 00 - 02	72	3.050"	<b>1685</b>	\$107.75 (D2117)	WOSSNER8094
400 XPLOER, SCRAMBLER, SPORT, TRAIL BLAZER	CI	94 - 05	83	3.525"	<b>1628</b>	\$107.75 (D2117)	WOSSNER8097
500 SPORTSMAN, SCRAMBLER, MAGNUM RANGER 4 X 4	CI	97 - 09 06 - 09	92	3.850"	<b>0146</b>	\$94.00 (D4026)	WOSSNER8691
500 PREDATOR OUTLAW	P	03 - 07 06 - 07	99.2	4.070"	<b>0126</b>	\$101.80 (D9176)	WOSSNER8692
500 PREDATOR <i>BIG BORE</i>		03 - 07	104.83	4.340"	<b>0126B</b>	\$114.00 (D4257)	
500 PREDATOR <i>BIG BORE</i>	WS	03 - 07	104.83	4.340"	<b>0126BC</b>	\$132.00 (D2178)	
700 SPORTSMAN 700 RANGER	P	02 - 08 07 - 09	80	3.300	<b>0219</b>	\$94.00 (D4026)	CP-M9016

**SUZUKI ATV**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
QUADSPORT LT 80	DI	ALL	50	2.283"	<b>1573</b>	\$96.00 (D6336)	PRO-X5210
LT 250R	CI	85 (86)	70	3.200"	<b>1364</b>	\$104.50 (D7986)	
LT 250R	CI	87	67	3.050"	<b>1362</b>	\$110.00 (D0627)	
LT 250R	CI	88 – 92	67	2.950"	<b>1220</b>	\$110.00 (D0627)	
LT 230	CI	85 – 94	66	2.850"	<b>0120</b>	\$72.00 (D2574)	
LT250F, LT4WD, QUADRUNNER, OZARK	CI	87 – 09	66	2.850"	<b>0204</b>	\$72.00 (D2574)	
LT-Z 400	P	02 – 09	90 – 94	3.820"	<b>0116</b>	\$92.00 (D2706)	WOSSNER8567
LT-Z 400 <i>BIG BORE</i>		02 – 09	94.5 – 96.5	3.950"	<b>0116B</b>	\$114.00 (D4257)	
LT-R 450 <i>STD – BIG BORE</i>	WS	06 – 09	95.5 – 100	4.300"	<b>0212B- C6</b>	\$132.00 (D2178)	WOSSNER8699 CP-M4012
KING QUAD 700	P	05 – 07	102 – 103.5	4.235"	<b>0234</b>	\$114.00 (D4257)	

**YAMAHA ATV**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
200 BLASTER	CI	THRU 06	66	2.850"	<b>1553</b>	\$100.00 (D0066)	WOSSNER8101
200 BLASTER <i>BIG BORE</i>		THRU 06	72	3.100"	<b>1553B</b>	\$117.75 (D2277)	WOSSNER W240PS
TRI-Z 250W	CI	85 – 89	68	3.070"	<b>1216</b>	\$117.75 (D2277)	WOSSNER8175
350 BANSHEE PRE-PORT	CI	THRU 06	64	2.875"	<b>1500</b>	\$120.00 (D0297)	WOSSNER8075
YFM 350 WARRIOR RAPTOR WOLVERINE GRIZZLY	DI	87 – 05 05 – 09 95 – 09 07 – 09	83	3.510"	<b>0096</b>	\$82.00 (D2145)	PRO-X4160
YFZ 450	P	04 – 09	95 - 96	3.940"	<b>0135C6</b>	\$132.00 (D2178)	PRO-X4680
YFZ 450 <i>BIG BORE</i>	WS	04 – 09	97 – 99	4.050"	<b>0135BC- C6</b>	\$132.00 (D2178)	
600 GRIZZLY	DI	98 – 01	95 – 97	4.023"	<b>0225</b>	\$94.00 (D4026)	WOSSNER8501
660 RAPTOR 660 GRIZZLY	DI	01 – 06 02 – 08	100	4.215"	<b>0115</b>	\$101.80 (D9176)	WOSSNER8507
660 RAPTOR/RHINO 660 GRIZZLY <i>BIG BORE</i>		01 – 06 02 – 08	105	4.340" 4.330" 8/06	<b>0115B- C6</b>	\$132.00 (D2178)	CP-M1019A CP-M1041
700 RAPTOR RHINO GRIZZLY <i>BIG BORE</i>	P	06 – 09 08 – 09 07 - 09	104 – 105.5	4.330"	<b>0115B- C6</b>	\$132.00 (D2178)	CP-M1054

Customer Service Hours 8:30 – 5:00 Pacific  
 Order Toll Free: 877-753-3830 503-666-8430  
 E-mail: sales@nwsleeve.com

**SPECIALTY ATV - AFTERMARKET / BILLET**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
BANSHEE UNIVERSAL BIG BORE/STROKER		THRU 06	66 – 70	2.925"	<b>1500UNI</b>	\$126.00 (D6138)	
CHEETAH-BANSHEE 10M STROKE	P	ALL	71 – 73.5	3.020"	<b>1712</b>	\$135.00 (D0198)	
TRX 450R – 500 BILLET CYLINDER KIT	WS	05	99		<b>0205K</b>	\$995.00 (D00.008)	
TRX 450R – 540 BILLET 6M STROKE CYLINDER KIT	WS	05	99		<b>0205S-K</b>	\$995.00 (D00.008)	
TRX 450R – 500 BILLET CYLINDER KIT	WS	06 – 08	100		<b>0206K</b>	\$995.00 (D00.008)	
NMOTION TRX 450R 101 X 70.4 CYLINDER	WS	04 – 05	101	4.115"	<b>0194BC- C6</b>	\$142.00 (D2739)	

**BULTACO OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
PURSANG 250 #103	DI	72 – 73	72	3.160"	<b>1746</b>	\$147.25 (D9179)	
PURSANG 250 #120	DI	73 – 74	72	3.162"	<b>1747</b>	\$147.25 (D9179)	
PURSANG 360 #121	DI	73 – 74	83.2	3.587"	<b>1774</b>	\$147.25 (D9179)	

**Other Bultaco models may be available but not listed. Please call for further information 1-877-753-3830.**

**HONDA OFF-ROAD / MX / DIRT -- FOUR STROKE**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
XR 100, CRF 100F <i>BIG BORE</i>		92 – 03, 04 – 09	58	2.480"	<b>0123B</b>	\$72.00 (D2574)	
CRF 150F	P	03 – 05	63.5	2.750"	<b>0128</b>	\$72.00 (D2574)	
CRF 150F	P	06 – 09	57.3				
CRF 150R	P	07 – 09	66	2.800	<b>0199</b>	\$92.00 (D2574)	
CRF 150R <i>BIG BORE</i>	WS	07 – 09	70	2.895"	<b>0199BC</b>	\$95.00 (D0726)	WOSSNER8662
XL-200R	CI	83 – 84	65.5	2.725"	<b>0138</b>	\$95.00 (D0726)	
XR 200 XR 200R XR 200	CI	80 – 84 81 – 83 86 – 02	65.5	2.725"	<b>0138</b>	\$72.00 (D2574)	PRO-X4650
CRF 230F	CI	03 – 09	65.5	2.750"	<b>0130</b>	\$72.00 (D2574)	
XR 250 R/L	DI	86 – 04 91 – 96	73 – 77	3.197"	<b>0202</b>	\$75.00 (D8864)	
CRF 250R CRF 250X	P	04 – 09	78	3.231"	<b>0170</b>	\$82.00 (D2145)	WOSSNER8587 WOSSNER8656
CRF 250R <i>BIG BORE</i>	WS	04 – 09	80 – 82	3.350"	<b>0170BC</b>	\$121.00 (D6897)	CP-M2050C CP-M2051C
XR 400	DI	96 – 05	85	3.590"	<b>0088</b>	\$77.00 (D2805)	PRO-X2500
XR 400 <i>BIG BORE</i>	DI	96 – 05	88 – 89.5	3.730"	<b>0088B</b>	\$84.50 (D7755)	CP-M2033
CRF 450R	P	02 – 03	96 – 97	3.975	<b>0145</b>	\$94.00 (D4026)	WOSSNER8546
CRF 450R CRF 450X	P	04 – 08 05 - 09	96 – 97	3.975"	<b>0141</b>	\$94.00 (D4026)	WOSSNER8607
CRF 450R CRF 450X <i>BIG BORE</i>	WS	04 – 08 05 – 09	98 – 100	4.100"	<b>0141B- C6</b>	\$132.00 (D2178)	CP-M2
XL/XR 500	DI	78 – 82	89 – 94	3.860"	<b>0193</b>	\$94.00 (D4026)	
XL 600	DI	83 – 87	100	4.162"	<b>0240</b>	\$87.00 (D4026)	
XR 600	DI	85 – 87 91 – 00	97	4.062"	<b>0104</b>	\$87.00 (D2475)	WOSSNER8574
XR 600	P	88 – 90	97	4.075"	<b>0107</b>	\$87.00 (D2475)	
XR 650L	DI	93 – 09	100	4.220"	<b>0102</b>	\$87.00 (D2475)	WOSSNER8564
XR 650R	P	00 – 07	100	4.150"	<b>0131</b>	\$87.00 (D2475)	WOSSNER8718

**HONDA OFF-ROAD / MX / DIRT --TWO STROKE**

CR 80	P	88 – 02	47	2.100"	<b>1428</b>	\$90.00 (D0495)	PRO-X4080
CR 85	P	03 – 07	47.5	2.100"	<b>1709</b>	\$90.00 (D0495)	WOSSNER8105
CR 125	P	90 – 91	54	2.350"	<b>1446</b>	\$96.00 (D6336)	WOSSNER8107
CR 125	P	93 – 95	54	2.350"	<b>1260</b>	\$96.00 (D6336)	WOSSNER8067
CR 125	P	96 – 99	54	2.350"	<b>1433</b>	\$96.00 (D6336)	WOSSNER8067
CR 125	P	00	54	2.350"	<b>1530</b>	\$96.00 (D6336)	WOSSNER8067
CR 125	P	01	54	2.350"	<b>1788</b>	\$96.00 (D6336)	WOSSNER8067
CR 125	P	02	54	2.350"	<b>1671</b>	\$96.00 (D6336)	WOSSNER8067
CR 125	P	03	54	2.350"	<b>1776</b>	\$96.00 (D6336)	WOSSNER8067
CR 125	P	04	54	2.350"	<b>1851</b>	\$96.00 (D6336)	WOSSNER8100
CR 125	P	05 – 07	54	2.350"	<b>1852</b>	\$96.00 (D6336)	WOSSNER8170
CR 250	P	89	66.4	2.850"	<b>1545</b>	\$123.00 (D8118)	WOSSNER8021
CR 250	P	90 – 91	66.4	2.850"	<b>1439</b>	\$123.00 (D8118)	WOSSNER8021
CR 250	P	92	66.4	2.850"	<b>1246</b>	\$123.00 (D8118)	WOSSNER8021
CR 250	P	93	66.4	2.850"	<b>1410</b>	\$123.00 (D8118)	WOSSNER8021
CR 250 (K23L)	P	94	66.4	2.850"	<b>1424</b>	\$123.00 (D8118)	WOSSNER8021
CR 250 (K23M)	P	95 – 96	66.4	2.850"	<b>1212</b>	\$123.00 (D8118)	WOSSNER8021
CR 250 (K23P)	P	97 – 98	66.4	2.850"	<b>1409</b>	\$123.00 (D8118)	WOSSNER8001
CR 250 (K23S, K23T)	P	99 – 00	66.4	2.850"	<b>1463</b>	\$123.00 (D8118)	WOSSNER8001
CR 250 (K23V)	P	01	66.4	2.850"	<b>1582</b>	\$123.00 (D8118)	WOSSNER8001
CR 250 (KZ3W, KZ3X)	P	02 – 03	66.4	2.850"	<b>1641</b>	\$123.00 (D8118)	WOSSNER8066
CR 250 (KSK)	P	04	66.4	2.850"	<b>1791</b>	\$123.00 (D8118)	WOSSNER8066
CR 250 (KSK)	P	05 – 07	66.4	2.850"	<b>1792</b>	\$123.00 (D8118)	WOSSNER8171
CR 500	CI	90 – 01	89	3.900"	<b>1611</b>	\$123.00 (D8118)	PRO-X4040

Customer Service Hours 8:30 – 5:00 Pacific  
Order Toll Free: 877-753-3830 503-666-8430  
E-mail: sales@nwsleeve.com

**KAWASAKI OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KITS
KLX 125	CI	03 – 06	57	2.520"	<b>0129</b>	\$72.00 (D2574)	WOSSNER8677
KLX 250	P	94 – 96	72	3.050	<b>0213</b>	\$77.00 (D2805)	
KX 250F	P	04 – 09	77	3.250"	<b>0142</b>	\$82.00 (D2145)	
KX 250F <i>BIG BORE</i>	WS	04 – 09	80	3.400"	<b>0142BC</b>	\$121.00 (D6897)	06-08 WOSSNER8635
KLX 300	P	97 – 08	78	3.300"	<b>0159</b>	\$77.00 (D2805)	WOSSNER8644
KLX 400R	P	03 – 06	90 – 94	3.820"	<b>0116</b>	\$92.00 (D2706)	WOSSNER8565
KXF 450 <i>BIG BORE</i>	WS	06 – 08	96 – 98	4.130"	<b>0208BC-C6</b>	\$132.00 (D2178)	WOSSNER8648 CP-M3011
KX 60	P	85 – 03	43	1.925"	<b>1623</b>	\$96.00 (D6336)	PRO-X4290
KX 65	P	02 – 07	44.5	1.955"	<b>1714</b>	\$101.00 (D6666)	WOSSNER8196
KX 80	P	88 – 90	48	2.100"	<b>1835</b>	\$90.00 (D0495)	WOSSNER8197
KX 80	P	91 – 94	48	2.100"	<b>1443</b>	\$90.00 (D0495)	WOSSNER8197
KX 80	P	98 – 00	48	2.100"	<b>1674</b>	\$90.00 (D0495)	WOSSNER8197
KX 85	P	01 – 09	48.5	2.150"	<b>1629</b>	\$90.00 (D0495)	WOSSNER8102
KX 85 <i>BIG BORE TO 100CC</i>		01 – 09	52	2.300"	<b>1629B</b>	\$90.00 (D0495)	WOSSNER8102 D350
KX 100	P	95 – 97	52.5	2.300"	<b>1816</b>	\$90.00 (D0495)	
KX 100	P	98 – 09	52.5	2.300"	<b>1662</b>	\$90.00 (D0495)	
KX 125 (1602)	P	90	56	2.425"	<b>1526</b>	\$96.00 (D6666)	WOSSNER8106
KX 125 (1645)	P	91	56	2.425"	<b>1529</b>	\$96.00 (D6336)	WOSSNER8108
KX 125 (1672)	P	92	54	2.350"	<b>1469</b>	\$96.00 (D6336)	WOSSNER8110
KX 125 (1687)	P	93	54	2.350"	<b>1411</b>	\$96.00 (D6336)	WOSSNER8110
KX 125 (1720)	P	94	54	2.350"	<b>1560</b>	\$96.00 (D6336)	WOSSNER8111
KX 125 (1752)	P	95	54	2.350"	<b>1450</b>	\$96.00 (D6336)	WOSSNER8112
KX 125 (1794)	P	96	54	2.350"	<b>1432</b>	\$96.00 (D6336)	WOSSNER8112
KX 125 (1840)	P	97	54	2.350"	<b>1442</b>	\$96.00 (D6336)	WOSSNER8112
KX 125 (1852)(1881)	P	98 – 99	54	2.350"	<b>1536</b>	\$96.00 (D6336)	WOSSNER8113 WOSSNER8057
KX 125 (1921)	P	00	54	2.350"	<b>1651</b>	\$96.00 (D6336)	WOSSNER8057
KX 125 (1939)	P	01	54	2.350"	<b>1724</b>	\$96.00 (D6336)	WOSSNER8062
KX 125 (1960)	P	02	54	2.350"	<b>1703</b>	\$96.00 (D6336)	WOSSNER8062
KX 125 (1978)	P	03	54	2.350"	<b>1766</b>	\$96.00 (D6336)	WOSSNER8073
KX 125 (0013)(0026)	P	04 – 06	54	2.350"	<b>1720</b>	\$96.00 (D6336)	WOSSNER8167
KDX 200	P	95 – 06	66	2.850"	<b>1680</b>	\$96.00 (D6336)	WOSSNER8093
KDX 220	P	97 – 05	69	2.925"	<b>1756</b>	\$106.00 (D6996)	WOSSNER8092
KX 250	P	90	67.4	2.900"	<b>1435</b>	\$123.00 (D8148)	WOSSNER8109
KX 250 (1643)	P	91	67.4	2.900"	<b>1419</b>	\$123.00 (D8118)	WOSSNER8109
KX 250 (1671)	P	92	66.35	2.850"	<b>1403</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1686)	P	93	66.35	2.850"	<b>1462</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1722)	P	94	66.4	2.850"	<b>1470</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1751)	P	95	66.4	2.850"	<b>1412</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1793)(1835)	P	96 – 97	66.4	2.850"	<b>1465</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1851)	P	98 – 99	66.4	2.850"	<b>1406</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1911)	P	00	66.4	2.850"	<b>1606</b>	\$123.00 (D8118)	WOSSNER8026
KX 250 (1938)	P	01	66.4	2.850"	<b>1626</b>	\$123.00 (D8118)	WOSSNER8026



KX 250 (1959)(1979)	P	02 -03	66.4	2.850"	<b>1683</b>	\$123.00 (D8118)	WOSSNER8088
KX 250 (0014)	P	04	66.4	2.850"	<b>1801</b>	\$123.00 (D8118)	WOSSNER8088
KX 250 (0027)	P	05 - 07	66.4	2.850"	<b>1799</b>	\$123.00 (D8118)	WOSSNER8168
KX 500	P	86 - 88	86	3.650"	<b>1457</b>	\$123.00 (D8118)	
KX 500	P	89 - 04	86	3.650"	<b>1349</b>	\$123.00 (D8118)	PRO-X4330
H-2 750	CI	72 - 87	71	3.174"	<b>1219</b>	\$125.75 (D0038)	

**KTM OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KIT
85 CC SX, XC	P	03 - 09	47	2.100"	<b>1830</b>	\$90.00 (D0495)	WOSSNER8147
125 SX, E/XC	P	01 - 03	54	2.315"	<b>1826</b>	\$110.00 (D0627)	WOSSNER8056
125 SX, E/XC	P	04 - 06	54	2.315"	<b>1825</b>	\$110.00 (D0627)	WOSSNER8056
144 SX	P	08	56	2.425"	<b>1824</b>	\$110.00 (D0627)	WOSSNER8222
150 SX	P	09	56	2.425"	<b>1824</b>	\$110.00 (D0627)	WOSSNER8222
250 CC E/XC	P	91	67.5	2.900"	<b>1508</b>	\$123.00 (D8118)	WOSSNER8005
250 CC E/XC	P	92	67.5	2.900"	<b>1427</b>	\$123.00 (D8118)	WOSSNER8005
250 CC SX, EXC	P	95	67.5	2.900"	<b>1425</b>	\$123.00 (D8118)	WOSSNER8014
250 SX-F	P		76 - 78	3.250"	<b>0233</b>	\$82.00 (D2145)	
450 SX XC, SMR	P	03 - 06 05 - 07	95		<b>0238</b>	\$105.00 (D0396)	WOSSNER8560
520 SX, EXC, MXC 525	P	00 - 07 03 - 07	95	4.000"	<b>0119</b>	\$105.00 (D0396)	WOSSNER8547
520 SX, EXC; 525 <i>BIG BORE</i>	WS	00 - 07	98 - 100	4.100"	<b>0119BC- C6</b>	\$132.00 (D2178)	WOSSNER8583

**MAICO OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KIT
250 CC	DI	78 - 80	67	2.913"	<b>1760</b>	\$165.00 (D09801)	WOSSNER8031
250 CC	DI	81 - 82	67	2.913"	<b>1753</b>	\$165.00 (D09801)	WOSSNER8031
250 CC	DI	83	67	2.913"	<b>1758</b>	\$165.00 (D09801)	
400 CC SQ. BARREL	DI	70 - 72			<b>N/A</b>		
400 CC	DI	73 - 77	77	3.390"	<b>1759</b>	\$195.00 (D07821)	WOSSNER8047
440 CC	DI	72 - 77			<b>1762</b>	\$195.00 (D07821)	WOSSNER8099
440 CC	DI	78 - 81	82	3.545"	<b>1763</b>	\$195.00 (D07821)	WOSSNER8099
490 CC	DI	81 - 82	86.5	3.724"	<b>1664</b>	\$195.00 (D07821)	WOSSNER8036
490 CC	DI	83 - 84	86.5	3.720"	<b>1752</b>	\$195.00 (D07821)	WOSSNER8036
501 CC	DI		91.6	3.937"	<b>1775</b>	\$195.00 (D07821)	

**SUZUKI OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KIT
DRZ 125 DR 125 SP 125	CI	03 – 09 82 – 97 82 – 88	57	2.520"	<b>0129</b>	\$72.00 (D2574)	WOSSNER8677
DR 200 DR 200 SE	CI	86 – 04 05 – 09	66	2.825"	<b>0232</b>	\$77.00 (D2805)	
RM-Z 250	P	04 – 06	77	3.250"	<b>0142</b>	\$82.00 (D2145)	WOSSNER8582
RM-Z 250	P	07 – 09	77	3.250"			WOSSNER8666
DR 350	CI	90 – 99	79 – 82	3.425"	<b>0118</b>	\$87.00 (D2475)	WOSSNER8600
DRZ 400	P	00 – 09	90	3.820"	<b>0116</b>	\$92.00 (D2706)	WOSSNER8563
DRZ 400 <i>BIG BORE</i>		00 – 07	96	3.950"	<b>0116B</b>	\$114.00 (D4257)	WOSSNER8563 D400
RM-Z 450	P	05 – 07	95.5 – 100	4.350"	<b>0220B- C6</b>	\$132.00 (D2178)	WOSSNER8606 CP-M3005
RM 60	P	03	43	1.925"	<b>1623</b>	\$96.00 (D6336)	
RM 65	P	03 – 06	44.5	1.955"	<b>1714</b>	\$96.00 (D6336)	WOSSNER8196
RM 80	CI	90 – 01	47.5	2.100"	<b>1445</b>	\$90.00 (D0495)	WOSSNER8191
RM 85	P	02 – 03	48 – 50	2.100"	<b>1729</b>	\$90.00 (D0495)	WOSSNER8103
RM 85	P	04 – 09	48 – 50	2.100"	<b>1728</b>	\$90.00 (D0495)	WOSSNER8103
RM 125	P	91 – 92	54	2.350"	<b>1506</b>	\$96.00 (D6336)	WOSSNER8055
RM 125 (40)	P	93	54	2.350"	<b>1438</b>	\$96.00 (D6336)	WOSSNER8055
RM 125 (50, 60, 70)	P	94 – 96	54	2.350"	<b>1449</b>	\$96.00 (D6336)	WOSSNER8055
RM 125	P	97	54	2.350"	<b>1507</b>	\$96.00 (D6336)	WOSSNER8055
RM 125	P	98 – 99	54	2.350"	<b>1423</b>	\$96.00 (D6336)	WOSSNER8055
RM 125	P	00	54	2.350"	<b>1568</b>	\$96.00 (D6336)	WOSSNER8061
RM 125	P	01 – 03	54	2.350"	<b>1673</b>	\$96.00 (D6336)	WOSSNER8061
RM 125 (36F, 36F1)	P	04 – 09	54	2.350"	<b>1782</b>	\$96.00 (D6336)	WOSSNER8098
RM 250	P	91 – 92	67	2.900"	<b>1447</b>	\$123.00 (D8118)	WOSSNER8022
RM 250 (40)	P	93	67	2.900"	<b>1522</b>	\$123.00 (D8118)	WOSSNER8022
RM 250 (50)	P	94	67	2.900"	<b>1448</b>	\$123.00 (D8118)	WOSSNER8022
RM 250 (60)	P	95	67	2.900"	<b>1514</b>	\$123.00 (D8118)	WOSSNER8022
RM 250	P	96	66.4	2.850"	<b>1284</b>	\$123.00 (D8118)	WOSSNER8058
RM 250 (10)	P	97	66.4	2.850"	<b>1557</b>	\$123.00 (D8118)	WOSSNER8058
RM 250 (20)	P	98	66.4	2.850"	<b>1608</b>	\$123.00 (D8118)	WOSSNER8140
RM 250 (30)	P	99	66.4	2.850"	<b>1502</b>	\$123.00 (D8118)	WOSSNER8058
RM 250 (40)	P	00	66.4	2.850"	<b>1631</b>	\$123.00 (D8118)	WOSSNER8059
RM 250	P	01	66.4	2.850"	<b>1622</b>	\$123.00 (D8118)	WOSSNER8059



(37F0)							
RM 250 (37F1)	P	02	66.4	2.850"	<b>1647</b>	\$123.00 (D8118)	WOSSNER8059
RM 250 (37F2)	P	03	66.4	2.850"	<b>1648</b>	\$123.00 (D8118)	WOSSNER8086
RM 250 (37F3, 37F4, 37F5)	P	04 – 08	66.4	2.850"	<b>1823</b>	\$123.00 (D8118)	WOSSNER8086

**YAMAHA OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KIT
TT-R 90		00 – 07	47	2.110"	<b>0164</b>	\$74.00 (D4884)	
TT-R 90 <i>BIG BORE</i>		00 – 07	53.5 – 54	2.275"	<b>0164B</b>	\$92.00 (D2606)	
TT 225 XT 225 TT-R 225 TT-R 230	DI	86 - 88 83 – 07 99 – 04 05 – 09	70	2.996"	<b>0168</b>	\$82.00 (D2145)	
YZ, WR 250F	P	04 – 09	77	3.250"	<b>0186</b>	\$82.00 (D2145)	WOSSNER8572
YZ 250F <i>BIG BORE TO 290CC</i>		05 – 09	80 – 83		<b>0186B</b>		
YZ 400F WR 400F	P	98 – 99 98 – 00	92	3.825	<b>0121</b>	\$70.00 (D0264)	WOSSNER8603
YZ 426F WR 426F	P	00 – 02 01 – 02	95	3.980"	<b>0196</b>	\$101.80 (D9176)	WOSSNER8525
YZ 450F (5TA) WR 450F (5TA)	P	03 – 05  03 - 06	95 – 96	3.940"	<b>0135C6</b>	\$132.00 (D2178)	WOSSNER8562
YZ 450F <i>BIG BORE TO 478CC</i>	WS	03 – 05	97 – 98	4.050"	<b>0135BC- C6</b>	\$132.00 (D2178)	CP-M1030 CP-M1051
TT 600 XT 600	P	83 – 96 84 – 96	95	4.023	<b>0103</b>	\$82.00 (D2145)	WOSSNER8501
YZ 80	P	93 – 01	47	2.100"	<b>1426</b>	\$90.00 (D0495)	WOSSNER8188
YZ 85	P	02 – 09	47.4	2.100"	<b>1426</b>	\$90.00 (D0495)	WOSSNER8104
YZ 125 (3SR)	P	90	56	2.100"	<b>1780</b>	\$96.00 (D6336)	WOSSNER8114
YZ 125 (3XJ)	P	91	56	2.100"	<b>1781</b>	\$96.00 (D6336)	WOSSNER8114
YZ 125 (4DB)	9	92	56	2.100"	<b>1813</b>	\$96.00 (D6336)	WOSSNER8114
YZ 125 (4EX)	P	93	56	2.425"	<b>1458</b>	\$96.00(D6336)	WOSSNER8114
YZ 125 (4JY, 4PE)	P	94 – 95	54	2.350"	<b>1416</b>	\$96.00 (D6336)	WOSSNER8116
YZ 125 (4SS)	P	96 – 98	54	2.350"	<b>1429</b>	\$96.00 (D6336)	WOSSNER8116 WOSSNER8117 WOSSNER8091
YZ 125 (5ET, 5HD, 5MV)	P	99 – 01	54	2.350"	<b>1540</b>	\$96.00 (D6336)	WOSSNER8091



YZ 125 (5NY)	P	02	54	2.350"	<b>1630</b>	\$96.00 (D6336)	WOSSNER8072
YZ 125 (5UN, 5XE)	P	03 – 04	54	2.350"	<b>1719</b>	\$96.00 (D6336)	WOSSNER8072
YZ 125 (1C3)	P	05 – 09	54	2.350"	<b>1778</b>	\$96.00 (D6336)	WOSSNER8160
YZ 125 <i>BIG BORE TO 144CC</i>		05 – 09	58		<b>1778B</b>		WOSSNER8160 D400
YZ 250 (3XK) WR 250	P	91	68	2.900"	<b>1802</b>	\$123.00 (D8118)	WOSSNER8134
YZ 250 (4DA) WR 250	P	92	68	2.900"	<b>1559</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250 (4EW) WR 250	P	93	68	2.900"	<b>1485</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250 (4JX)	P	94	68	2.900"	<b>1523</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250 (4MX)	P	95	68	2.900"	<b>1600</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250 (4SR)	P	96	68	2.900"	<b>1473</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250 (4XL)	P	97	68	2.900"	<b>1587</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250 (4XL)	P	98	68	2.900"	<b>1468</b>	\$123.00 (D8118)	WOSSNER8023
YZ 250	P	99 – 01	66.4	2.850"	<b>1503</b>	\$123.00 (D8118)	WOSSNER8216
YZ 250	P	02 – 09	66.4	2.850"	<b>1643</b>	\$123.00 (D8118)	WOSSNER8216

**YAMAHA STREET**

YZF-R6 FZ6	P	99 – 04 04	65.5 – 66.5		0236	\$95.00 (D0726)	
---------------	---	---------------	----------------	--	------	-----------------	--

**SPECIALTY OFF-ROAD / MX / DIRT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	SUGGESTED PISTON KIT
DASA RACING HONDA CRF 150R BILLET CYLINDER KIT	WS	07	70		<b>0208K</b>	\$795.00 (D00.026)	
DASA RACING HONDA CRF 250R BILLET CYLINDER KIT	WS	04 – 07	81 – 82		<b>0207K</b>	\$845.00 (D00066)	

**ARCTIC CAT SNOWMOBILE**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
500 PANTHER	P	76 – 78	70	2.915"	<b>1115</b>	\$95.00 (D0726)	
550 EXT, MTN CAT, COUGAR, BEAR CAT PANTERA  PANTHER ZL550, ESR	P	91 – 02  93 – 94 02 – 05 97 – 01 00 – 03	73.4	3.065"	<b>1188</b>	\$114.00 (D4257)	
570 FAN--BEAR CAT, Z570 F570, T570 PANTHER	P	04 – 09 02 – 07 08 – 09 02 – 07	73.8	3.100"	<b>1787</b>	\$114.00 (D4257)	
580Z EXT, MTN CAT PANTERA ZL580	P	93 – 94 95 – 01 00	75.4	3.200"	<b>1658</b>	\$114.00 (D4257)	
ZR 580 3 PORT EXH. EXT 580, MTN CAT	P	94 – 97 95 – 98	75.4	3.200"	<b>1319</b>	\$114.00 (D4257)	
600 ZRT, TOURING	P	96 – 02 99 – 01	66.5	2.850"	<b>1367</b>	\$114.00 (D4257)	
600 ZRT, TOURING <i>BIG BORE TO 700C</i>	P	96 – 02	72	3.150"	<b>1367B</b>	\$124.00 (D4818)	
650 WILDCAT	P	88 – 90	78	3.290"	<b>1180</b>	\$114.00 (D4257)	
700 WILDCAT, MTN CAT	P	91 – 96	81	3.400"	<b>1241</b>	\$114.00 (D4257)	
ZR 700	P	94 – 96	81	3.450"	<b>1211</b>	\$114.00 (D4257)	
ZR, ZL 800 MTN CAT	P	01 – 03 01 – 04	81	3.370"	<b>1646</b>	\$114.00 (D4257)	
ZR, ZL 800 MTN CAT <i>BIG BORE TO 883CC</i>	P	01 – 03 01 – 04	8	3.565	<b>1646B</b>	\$124.00 (D4818)	
ZRT 800 PANTERA	P	95 – 01 98 – 99	72	3.100"	<b>1472</b>	\$114.00 (D4257)	
900 THUNDERCAT	P	93 – 97	76.5	3.250"	<b>1190</b>	\$114.00 (D4257)	
900 THUNDERCAT <i>BIG BORE TO 992CC</i>	P	93 – 97	80.5	3.500"	<b>0049</b>	\$124.00 (D4818)	

**POLARIS SNOWMOBILE**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
440 XCR, SKS L.C.	CI	92 - 94 93 - 95 96 - 97	67.72	2.850	<b>1243</b>	\$114.00 (D4257)	
440 XCR, XC (EC45)	CI	95 - 97	68.25	2.900"	<b>1301</b>	\$114.00 (D4257)	
440 XCR	P	98 - 99	66	2.800"	<b>1570</b>	\$114.00 (D4257)	
500 INDY LIQUID SP, SKS EFI RMK WIDE TRACK LX	CI	89 - 06 89 - 92 93 - 97 04 - 09	72	3.158"	<b>1120</b>	\$114.00 (D4257)	
500 INDY XC, RMK XC SP	CI	99 - 03 00 - 02 99	70.5	3.135	<b>1688</b>	\$114.00 (D4257)	
500 XC SP LIQUID VARIABLE EXHAUST	P	00 - 07	70.5		<b>NA</b>		
580 XLT, XLT SP, XLT SKS	CI	93 - 94	64	2.750"	<b>1076</b>	\$114.00 (D4257)	
600 INDY LIQUID	CI	84 - 87	65	3.000"	<b>1056</b>	\$114.00 (D4257)	
600 XCR, INDY XLT SP	CI	95 - 96 96 - 99	65	2.900"	<b>1186</b>	\$114.00 (D4257)	
600 XLT, XLT RMK, XLT SKS, XLT TOURING	CI	95 - 97 95 - 99	65	2.900"	<b>1204</b>	\$114.00 (D4257)	
600 XCR SP, XCR	P	96 97 - 98	62.5	2.650"	<b>1242</b>	\$114.00 (D4257)	
600 XCR SP, XCR <i>BIG BORE TO 800CC</i>	P	96 97 - 98	72	3.150"	<b>1242B</b>	\$124.00 (D4818)	
600 RMK HO EDGE SWITCHBACK IQ	P	02 - 09 04 04 - 09 07 - 09	77.25	3.170"	<b>1740</b>	\$114.00 (D4257)	
600 RMK <i>BIG BORE</i>	P	02 - 09 04 - 06	81 - 84	3.450"	<b>1740B</b>	\$124.00 (D4818)	
600 RMK, H.O.	P	06 - 08	77.25	3.170"	<b>1751</b>	\$114.00 (D4257)	
600 RMK, H.O. <i>BIG BORE</i>		06 - 08	81 - 84	3.450"	<b>1751B</b>	\$124.00 (D4818)	
650 INDY <i>SPECIAL OD</i>	CI	88 - 91	67.75	3.050	<b>1025</b>	\$114.00 (D4257)	
650 RXL, SKS EFI	CI	91 - 96 91 - 97	67.75	3.085"	<b>1232</b>	\$114.00 (D4257)	
680 ULTRA, SP, SKS, RMK	P	96 - 98	66.6	2.900"	<b>1299</b>	\$114.00 (D4257)	
700 INDY SKS, RMK	P	97	81	3.430"	<b>1331</b>	\$114.00 (D4257)	
700 INDY XC, RMK; SKS, XC SP	P	98 - 01 99 - 01	81	3.430"	<b>1396</b>	\$114.00 (D4257)	
700 INDY POWERVALVE	P	03	81	3.430	<b>1858</b>	\$114.00 (D4257)	
700 DRAGON, RMK	P	07 - 09	81	3.400"	<b>1785</b>	\$114.00 (D4257)	
700 DRAGON, RMK <i>BIG BORE</i>	P	07 - 09	85 - 86 84 - 86	3.580" 3.580"	<b>1785B</b> <b>1785BB</b>	\$124.00 (D4818)	



750 INDY STORM	CI	93	69.72	3.150"	<b>1127</b>	\$114.00 (D4257)	
800 INDY STORM	P	94 – 95	72	3.050"	<b>1195</b>	\$114.00 (D4257)	
800 INDY STORM <i>HEAVY OD</i>	P	94 – 95	72	3.150"	<b>0055</b>	\$114.00 (D4257)	
800 INDY STORM, SKS, RMK	P	96 – 98	72	3.050"	<b>1303</b>	\$114.00 (D4257)	
800 XCR	P	99 – 03	72	3.100"	<b>1531</b>	\$114.00 (D4257)	
800 XC, RMK	P	99 – 01	85	3.545"	<b>1547</b>	\$114.00 (D4257)	
800 XC, RMK V.E.S.	P	02 – 05	85	3.545"	<b>1676</b>	\$114.00 (D4257)	
800 XC, RMK V.E.S. <i>BIG BORE</i>		02 – 05	88 – 89	3.700"	<b>1676B</b>	\$124.00 (D4818)	
800 LIBERTY H.O. DRAGON-MONOBLOCK	P	08 – 09	85		<b>1827</b>	\$114.00 (D4257)	
900 RMK, FUSION	P	05 – 06	83	3.475"	<b>1721</b>	\$114.00 (D4257)	

**SKI-DOO/BOMBARDIER SNOWMOBILE**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
250 CITATION, TUNDRA	CI	85 – 91	72	3.200"	<b>1521</b>	\$97.00 (D2046)	
340 6500 SERIES L.C.	DI		59.5	2.587"	<b>1109</b>	\$97.00 (D2046)	
440 9500 SERIES	DI	77 – 82	67.5	2.900"	<b>1078</b>	\$97.00 (D2046)	
440 9500 SERIES	DI	81	67.5	2.919"	<b>0052</b>	\$97.00 (D2046)	
MXZ 440 454 ENGINE TYPE	DI	95 – 98	67.5	2.900"	<b>1262</b>	\$114.00 (D4257)	
440 ZX REED		00	65	2.775"	<b>1574</b>	\$114.00 (D4257)	
MXZ 500, SUMMIT GRAND TOURING	DI	98 – 99 96 – 99 96 – 00	69.5	3.015"	<b>1509</b>	\$114.00 (D4257)	
521, 534, 537 9700 SERIES	DI	82 – 90	72	3.075"	<b>1107</b>	\$114.00 (D4257)	
580 MACH I FORMULA Z, 583 R.A.V.E	DI	89 – 91 93 – 99	76	3.231"	<b>1060</b>	\$114.00 (D4257)	
600 FORMULA III	P	96 – 99	64.5	2.750"	<b>1360</b>	\$114.00 (D4257)	
593 ENGINE TYPE: MXZ 600; SUMMIT; MXZ X, MXZ TRAIL		99 – 01 99 – 02 04 – 06	76	3.273"	<b>1478</b>	\$114.00 (D4257)	
MXZ 600 <i>BIG BORE</i>		97 – 06	80 – 82	3.440"	<b>1478B</b>	\$126.00 (D6138)	
593 H.O. ENGINE TYPE: 600 H.O. MXZ 600 GSX SPORT	P	03 – 08 05 – 07	72		<b>1710</b>	\$114.00 (D4257)	
617 RAVE	DI	91 – 92	76	3.233"	<b>1037</b>	\$114.00 (D4257)	
670 MACH 1 SUMMIT 670 FORMULA Z 670	DI	93 – 96 95 – 97 98 – 99	78	3.331"	<b>1036</b>	\$114.00 (D4257)	
670 MXZ, SUMMIT X	DI	98 – 99	78	3.331	<b>1414</b>	\$114.00 (D4257)	
700 MACH 1 FORMULA III	P	97 – 99 98 – 99	69.75	3.000"	<b>1352</b>	\$114.00 (D4257)	



GRAND TOURING		98 – 00					
700 SUMMIT MXZ ADRENALINE REED	P	99 – 02 01 – 03	78	3.350"	<b>1528</b>	\$114.00 (D4257)	
700 MXZ, SUMMIT <i>BIG BORE</i>		99 – 04	81 – 82	3.430"	<b>1528B</b>	\$126.00 (D6138)	
780 MACH Z	DI	93 – 97	69.5	3.016"	<b>1106</b>	\$114.00 (D4257)	
780 MACH Z – 925 <i>BIG BORE</i>		<del>93</del> – 97	76	3.200"	<b>1172</b>	\$126.00 (D6138)	
800 MXZ REED	P	01 – 07	82	3.450"	<b>1617</b>	\$114.00 (D4257)	
800R SUMMIT MX ZX 800 MONOBLOCK	P	07 – 09 08 – 09	82	3.450"	<b>1831</b>	\$114.00 (D4257)	
809 MACH Z	P	99 – 03	70.50	2.995"	<b>1546</b>	\$114.00 (D4257)	
809 MACH Z		99 – 03	74.5	3.150"	<b>1546B</b>	\$126.00 (D6138)	
809 MACH Z – 925		99 – 03	75	3.200"	<b>1546BB</b>	\$126.00 (D6138)	
1000 MACH Z ADRENALINE; SUMMIT HIGH MARK	P	05 – 08	82	3.700"	<b>1818</b>	\$123.00 (D8118)	

**YAMAHA SNOWMOBILE**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
485 PHAZER	CI	84 – 98	72	3.085"	<b>1114</b>	\$110.00 (D0627)	
570 EXCITER	CI	87 – 91	73	3.267"	<b>1181</b>	\$110.00 (D0627)	
570 EXCITER II	P	91 – 93	73	3.150"	<b>1708</b>	\$110.00 (D0627)	
600 V-MAX	P	94 – 96	74.8	3.200"	<b>1378</b>	\$110.00 (D0627)	
600 V-MAX, MTN MAX	P	97 – 99	74.8	3.150"	<b>1572</b>	\$110.00 (D0627)	
700 V-MAX, MOUNTAIN MAX	P	97 – 01 97 – 02	70.5	3.025"	<b>1493</b>	\$110.00 (D0627)	
700 V-MAX , <i>BIG BORE</i>	P	97 – 01	73	3.100"	<b>1493B</b>	\$114.00 (D4257)	

**NEED TO ORDER A CUSTOM SLEEVE?**

OUR EASY TO USE ORDER FORM IS NOW AVAILABLE ON OUR  
WEBSITE AT:

[WWW.NWSLEEVE.COM/CUSTOMSLEEVEORDERFORM.PDF](http://WWW.NWSLEEVE.COM/CUSTOMSLEEVEORDERFORM.PDF)

**ARCTIC CAT / TIGERSHARK WATERCRAFT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
770 CC	DI	96		3.600	<b>1278</b>	\$115.00 (D0957)	

**KAWASAKI WATERCRAFT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
SX 800R	CI	03 – 04	82	3.550	<b>1717</b>	\$115.00 (D0957)	
900 CC	CI	95 – 04	73	3.100	<b>1686</b>	\$115.00 (D0957)	
1100 CC <i>STANDARD TO BIG BORE</i>	CI	96 – 02	80 – 84.5	3.530	<b>1477</b>	\$115.00 (D0957)	
1200CC ULTRA 150	P	95 – 04	80	3.400"	<b>1806</b>	\$115.00 (D0957)	

**POLARIS WATERCRAFT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
SL 650	CI	92 – 96	65	2.750	<b>1288</b>	\$115.00 (D0957)	
SL 750, SLT	CI	93 – 95	69.75	2.950	<b>1266</b>	\$115.00 (D0957)	
SLX 780	CI	95 – 97	71.50	3.015	<b>1287</b>	\$115.00 (D0957)	
SL, SLTX 1051 VIRAGE TX, SLX	DI	96 – 99 99 – 04	81	3.548	<b>1337</b>	\$115.00 (D0957)	
SLX, X-45 1200, PRO 1200, VIRAGE TX/TXI	DI	99 – 04	84	3.548	<b>1859</b>	\$115.00 (D0957)	
MSX 140	P	03 – 04	85		<b>1860</b>	\$115.00 (D0957)	

**SEA-DOO / BOMBARDIER WATERCRAFT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
650 SP, XP	DI	93 – 96	78	3.311	<b>1358</b>	\$115.00 (D0957)	
720	DI	95 – 04	82	3.489	<b>0027</b>	\$115.00 (D0957)	
785	DI	95 – 04	82	3.530	<b>1183</b>	\$115.00 (D0957)	
951	DI	97	88	3.765	<b>1391</b>	\$115.00 (D0957)	
951	DI	97.5	88	3.765	<b>1393</b>	\$115.00 (D0957)	
951	DI	98 – 05	88	3.763	<b>1431</b>	\$115.00 (D0957)	
951 <i>BIG BORE</i>		98 – 05	90 – 91	3.855	<b>1431B</b>	\$115.00 (D0957)	

**YAMAHA WATERCRAFT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
701 WAVERAIDER, WAVE VENTURE	DI	94 – 04	81	3.545	<b>1192</b>	\$115.00 (D0957)	
701 WAVEBLASTER	DI	93 – 04	81	3.467	<b>1134</b>	\$115.00 (D0957)	
760 WAVERUNNER	DI	96 – 00	84	3.546	<b>1492</b>	\$115.00 (D0957)	
GP 800	P	98 – 05	80	3.400	<b>1451</b>	\$115.00 (D0957)	
GP 1200, XL1200	DI	97 – 04	84	3.546	<b>1466</b>	\$115.00 (D0957)	
GP 1200R, XLT 1200	P	98 – 04	80	3.350	<b>1633</b>	\$115.00 (D0957)	

**SPECIALTY WATERCRAFT**

MODEL	TP	YEAR	BORE MM	SLEEVE O.D.	PART #	PRICE	
701 SUPERJET BIG BORE; MULTI- APPLICATION	DI		84 – 86.5		<b>1588BB</b>	\$130.00 (D0858)	

Customer Service Hours 8:30 – 5:00 Pacific  
 Order Toll Free: 877-753-3830 503-666-8430  
 E-mail: sales@nwsleeve.com

## Northwest Sleeve



All of us at Northwest Sleeve thank you for your patronage: past, present and future. For over 26 years we have been dedicated to providing the highest quality products and services possible. Our commitment is to use only the absolute best quality material, to give you courteous and prompt service, and to manufacture sleeves which are accurate to OEM specification and include the maximum features we can achieve through our 5-axis mills and software technology.

In addition to custom and OEM manufacturing, our in-house service department is at-your-service if you need assistance or technical information. We also specialize in custom resleeving—perfect for ported, big bore, vintage or stroked cylinders that require rebuilding.

### DEALER POLICY AND INFORMATION

- **BUSINESS HOURS:** 8:30 A.M. – 5 P.M. Pacific, Monday through Friday. Closed weekends and holidays.
- **SALES POLICY:** All Northwest Sleeve products and services are sold at Manufacturer's Suggested Retail. (MSRP). Line dealers and direct industry related service/accessory businesses are eligible for dealer incentives. To qualify, NWS requires a permanent retail location operating on a full-time basis, proof of state resale certificate or state business license/corporation commission filing. NWS reserves the right to change the terms of a dealer agreement or to revoke the agreement if the dealer does not meet the original terms.
- **PAYMENT:** We accept Visa/MasterCard or pre-payment with certified funds. Custom sleeve orders require payment in advance.
- **PRICE CHANGES:** Prices are subject to change without notice. All pricing U.S. funds. NWS will do its best to inform our customers when/if significant changes occur.
- **FOREIGN ORDERS:** We welcome orders from outside the United States. Orders are shipped on a pre-paid basis only and shipped using Postal Service Global Express. Other shipping methods are available and will be offered at the time of order depending on the destination.
- **RETURNS:** No returns are accepted without prior authorization. To assist us with processing your return, please include a copy of your original invoice.
- **DAMAGE/CLAIMS:** If we receive goods which appear to have been damaged while in transit to us, we will notify you as soon as we become aware. It will be your responsibility to notify your carrier of the damage or to file a claim. If you receive goods from us which appear to have been damaged in transit to you, it will be your responsibility to notify the carrier of the damage or to file a claim. Please notify us of the action you have taken so that we can expedite resolution of the claim.

## We're here to help!

Here is a short list of helpful hints to assist you with your cylinder rebuild:

- OEM/aftermarket plated cylinders can be sleeved—2 or 4 cycle.
- Sleeved cylinders can be re-sleeved.
- When re-sleeving, know the dimensions of the sleeve you are removing before you order a new sleeve.
- Always wait to receive your sleeve before machining your cylinder.
- Measure the sleeve and measure again before you begin installation.
- Sleeves must be finish bored and honed after installation. Do not attempt to do this before installing in the cylinder.

## Catalog Assistance

- "WS" cylinder type indicates a wet sleeve. Water jacket is completely removed to install sleeve.
- "DI" cylinder type indicates the cylinder has an original drop-in sleeve. Sleeve installs without machining.
- "P" cylinder type indicates a plated bore which must be machined to accept new sleeve.
- "CI" cylinder type indicates the cylinder sleeve has an original cast-in sleeve. Original sleeve must be bored out to accept new sleeve.

## Necessary Accessories

Performance and rebuild parts also available from Northwest Sleeve:

CP PISTONS	WOSSNER HIGH PERFORMANCE PISTONS
WISECO PERFORMANCE PRODUCTS	PRO-X GENUINE RACING PARTS
COMETIC GASKETS	HOT CAMS
HINSON	WEB CAMS

Customer Service Hours 8:30 – 5:00 Pacific  
Order Toll Free: 877-753-3830 503-666-8430  
E-mail: [sales@nwsleeve.com](mailto:sales@nwsleeve.com)

**CUSTOM SLEEVE ORDERS:** To place an order for a custom sleeve or to have us give you a quote on a project you are considering, please use Ctrl+Click to open the file. If you have downloaded the catalog from a disk, you must have a live internet connection to complete the request.

[CUSTOM SLEEVE ORDER FORM](#)

**SERVICE DEPARTMENT ORDERS:** To send your cylinder to us, please use the convenient form from the link below. Use Ctrl+Click to open the file. If you have downloaded the catalog from a disk, you must have a live internet connection to complete the request.

[SERVICE DEPT ORDER FORM](#)