SLEEVES PWC



FL5342SL \$119.95

785cc SLX Pro 1998-98

Yamaha			
701cc	1994-04		3054FA
Blaster			\$129.95
Runner			
701cc	1995-08		3215FA
Raider			\$149.95
SuperJet			NA after stock
760cc	1996-00	YA5304SL	
All models		\$99.95	
784cc	1998-04	YA5356SL	3291FA
All 800's		\$109.95	\$129.95
XL			
XLT			
GP			
1200cc	1999-00		3286FA
GP1200			\$129.95
XL1200			

***CYLINDER TYPE CODE DESCRIPTIONS**

- AC: Original cylinder bore is alloy-chrome plated, nikasil, electrofused or boron composite. Cylinder must be bored to accept new sleeve.
- **CS**: Original cylinder has cast-in liner in cylinder. Cylinder must be bored out to accept new sleeve. Cast-in liner will be bored completely out of cylinder. Do not try to push out the cast-in liner, cylinder damage may result.
- **Cl:** Original cylinder has cast-iron liner. Cylinder must be bored to accept new sleeve. Cast-in liner will not be completely removed. Sleeve is designed to insert into the iron lined cylinder.
- **RS:** Original cylinder has a replacement sleeve. Heat cylinder to remove sleeve. Re-heat cylinder to install new cylinder sleeve.

Street Bike	5			Swag
			Contraction of the	Electronics
LI MARCO LI MUR	ECO DENI	AP DUNL	OP - DENIS	Fuel Management
	-	Salara .	-	Crankshafts
	1		100,	Valves Train
	Q		90	Clutch
M . (1)	Nessa	Sleeve	D.I.	Top End:
Model	Years	Part #	Price	Aprilia
Honda CB750 2-Valve, Stock	1973-77			Arctic Cat
CB750F CB750K	1969-78 1969-78	H15SL	\$119.95	BMW
CB750 4-Valve Overbore to 985cc	1979-82	H113SL	\$89.95	Cagiva
CB900F Overbore to 1063cc	1979-82	H113SL	\$89.95	
CBR900 72-74mm Bore CB1100 Stock Block	1992-99 1982-84	3005FA H118SL	\$99.95 \$99.95	Can-Am
Kawasaki				Ducati
GPZ750 Ninja 750R	1980-85 1984-85	KA686SL	\$129.95	Gas Gas
ZN750 Ltd. KZ750	1980-85 1980-85	KAUDUJL	φιεσ.συ	GM Speedway
GPZ1100 GPZX1100 KZ900	1981-84 1983-84 1973-77			Honda
KZ1000 KZ1000ST	1976-80 1976-80	KA629SL	\$69.95	Husaberg
KZ1100 Z1R/Z2R Overbore to 1200cc	1983-84 1983-84			Husqvarna
KZ900 66mm Std. KZ1000ST 70mm Std. Z1R/Z2R 70-73mm bore	1973-77 1976-80 1977-80	KA627SL	\$89.95	Jawa
GPZ1100 KZ1000	1983-84 1976-80			Indian
KZ900 KZ1000ST KZ1100	1973-77 1976-80 1983-84	3010FA or KA750SL	\$99.95	Kawasaki
Z1R/Z2R Overbore 1200-1260cc	1977-80	KA7JUJE	\$69.95	ктм
GPZ1100 KZ1000	1983-84			Polini
KZ900 KZ1000ST KZ1100	1976-80 1973-77 1976-80	KA773SL	\$69.95	Polaris
Z1R/Z2R Overbore 1425cc Big Block colly	1983-84 1977-80			Rotax, ATK
Big Block only Suzuki				
GS1000 GS1150	1980-83			Suzuki
GPZX1100 GSX1100E	1984-86 1983-84 1980-83	3010FA	\$99.95	Triumph
Overbore 1175-1260cc GSXR1100 GSXR1100F Katana	1986-92 1988-92	3188FA	\$109.95	VOR
GS1100 Overbore 1463-1568cc	1980-83	3028FA	\$109.95	Yamaha
GSXR1100 Overbore 1192-1198cc	1993-98	3016FA	\$109.95	PWC
Triumph		I 	 	Sleeves
Bonneville T100	2001-03	W6194	\$169.95	Rings
Yamaha FJ1100	1080.00			Accessories
FJ1100 FJ1200 XJR1200 Overbore 1188cc	1986-93 1995-98 1986-93 1995-98	3015FA	\$99.95	
FJ1100 FJ1100 FJ1200 XJR1200 Overbore 1250-1314cc	1986-93 1995-98 1986-93 1995-98	3032FA	\$99.95	
				,





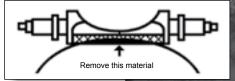
Model	Years	Sleeve Part #	Price	Cyl. Type	
Honda • Motorcycle • 2-Stroke					
CR80R	1988-02	3101FA	\$119.95	AC	
CR125R	1996-99	3259FA	\$129.95	AC	
CR125R	2001	3377FA	\$129.95	AC	
CR125R	2002	3418FA	\$129.95	AC	
CR125R	2003	3433FA	\$129.95	AC	
CR250R	1989	3132FA	\$129.95	AC	
CR250R	1990-91	3133FA	\$129.95	AC	
CR250R	1995-96	3103FA	\$129.95	AC	
CR250R	1997-98	3220FA	\$129.95	AC	
CR250R	1999-00	3280FA	\$129.95	AC	
CR250	2002-04	3361FA	\$129.95	AC	
Honda • Motor		-Stroke		_	
XR100	1992-06	3078FA	\$99.95	CI	
XR400	1996-04	3236FA	\$109.95	RS	
XR400 Big Bore	1996-04	3052FA	\$109.95	AC	
Honda • ATV •	4-Stroke)			
TRX300 2-Valve TRX300 4-Valve	1988-00 1993-03	H5062SL	\$89.95	RS	
TRX400 EX Big Bore 89mm	1999-08	3052FA	\$109.95	RS	
TRX400EX Sportax	1999-08	3236FA	\$109.95	BS	
TRX450 Foreman ES	1998-01	JEJOIA	ψ103.33	110	
Foreman S Foreman FE ES	1998-01 2004-05	3409FA	\$119.95	RS	
FM Foreman S	2002-04				
Kawasaki • Mo	torcycle	• 2-Stro	ke		
KX65	2000-10	3402FA	\$119.95	AC	
кх80	1991-94	3049FA	\$129.95	AC	
KX80	1998-00	3267FA	\$119.95	AC	
KX85	2001-09	3296FA	\$119.95	AC	
KX100	1995-97	3171FA	\$129.95	AC	
KX100	1998-09	3248FA	\$129.95	AC	
KX125	1990-91	3048FA	\$129.95	AC	
KX125	1996-97	3331FA	\$129.95	AC	
KX125	1998-99	3337FA	\$129.95	AC	
KX125	2001	3356FA	\$129.95	AC	
KX250	1998-99	3289FA	\$129.95	AC	
KX250	2000-01	3407FA	\$129.95	AC	
KX500	1989-04	3161FA	\$149.95 -	AC	
Kawasaki • Mo		• 4-Stro			
KLX400	2003-04	3287FA	\$119.95	AC	
KLX400 440 Big Bore	2000-04	3481FA	\$119.95	CI	
Kawasaki • AT	V•4-Str	oke			
KXF400	2003	3287FA	\$119.95	AC	
KXF400 440 Big Bore	2000-04	3481FA	\$119.95	CI	
Polaris • ATV •	4-Strok	e			
Predator	2003-06	3458FA	\$119.95	AC	
104.75-107.5mm					

Model	Years	Sleeve Part #	Price	Cyl. Type
Suzuki • Motore	cycle • á	2-Stroke		
RM65 44.5mm-46.5mm	2003-06	3402FA	\$119.95	AC
RM100	2003-05	3171FA	\$129.95	AC
RM125	1981	FL722SL	\$119.95	CI
RM125	1994-96	3156FA	\$129.95	AC
RM125	1998-99	3299FA	\$129.95	AC
RM125	2000-03	3425FA	\$129.95	AC
RM250	2000-02	3306FA	\$129.95	AC
Suzuki • Motor	cycle • 4	4-Stroke		
DRZ400	2000-08	3287FA	\$119.95	AC
DRZ400 440 Big Bore	2000-07	3481FA	\$119.95	AC
Suzuki • ATV •	4-Strok	e		
LT250R	1987	3148FA	\$129.95	CS
LT-Z 400	2003-08	3287FA	\$119.95	AC
LT-Z 400 Big Bore	2003-08	3481FA	\$119.95	AC
Yamaha • Moto	rcycle •	2-Stroke	•	
YZ80	1993-01	3177FA	\$119.95	CI
YZ125	1996-98	3183FA	\$129.95	AC
YZ125	1999-01	3217FA	\$129.95	AC
YZ125	2002	3422FA	\$129.95	AC
YZ250	1999-07	3332FA	\$129.95	AC
Yamaha • Moto	rcycle •	4-Stroke	•	
YZ250F	2000-02	YA5424SL	\$89.95	AC
YZ250F	2001-05	3305FA	\$99.95	AC
SRX600 TT600 XT600 Tenere 600 95-98mm	1983-96	3191FA	\$119.95	RS
SRX600 TT600 XT600 Tenere 600 101mm	1983-96	3192FA	\$119.95	RS
Yamaha • ATV •	2-Stro	ke		
YFS200 Blaster	1988-06	3100FA	\$129.95	CS
YFZ350 Banshee	1987-04	3061FA	\$129.95	CI
Yamaha • ATV •	• 4-Stro	ke		
YFM250 Raptor YFM250 SE Raptor YFM250 SE Custom Raptor	2008-11	4425FB	\$159.95	AC
YFM350X Warrior YFM350 Raptor	1987-08	3107FA	\$99.95	RS
YFZ450	2004-08	3428FA	\$119.95	AC
YFM660F Grizzly	1998-02	3191FA	\$119.95	AC
YFM660F Grizzly	1998-01	3192FA	\$119.95	AC
YFM660R Raptor YFM660F Grizzly	2001-05 2002-08	3347FA	\$119.95	RS

Cylinder Honing Procedure

- **Cast Iron Sleeved Cylinders:** To ensure proper ring seal, it is necessary to hone the cylinder with a rigid or brush hone. DO NOT install a new piston without honing the cylinder to break the glaze. Finish hone with a 280 grit. Cross hatch is necessary to ensure proper ring seal and adequate lubrication. If the cylinder is in good condition, simply honing the cylinder may be enough to restore the bore to an acceptable condition. However in some cases, boring may be necessary to insure the cylinder bore is within the tolerances outlined in the service manual.
- Plated Cylinders: (Includes nickel ceramic coatings (Nikasil), chrome, Electrofusion, and boron composite.) If the plated cylinder is in good condition, honing may not be necessary. If deglazing is necessary, DO NOT use a ball hone. Use a rigid or brush type diamond hone. Plated cylinders cannot be bored oversize without replating or resleeving.
- Any time a cylinder is bored or honed: All ports must be chamfered. The top of the cylinder should be deburred, and the bottom should be generously chamfered for ease of piston and ring installation. When boring a cylinder with an exhaust bridge, the face of the bridge must be relieved .002"-.004" to allow for bridge expansion. Without proper bridge clearance, engine damage could occur.
- **IMPORTANT:** After honing, the cylinder must be washed with warm soapy water to remove all honing grit. Be sure to wash away any grit that may have traveled into the transfer and exhaust ports during honing. The cylinder is NOT clean until you can wipe the cylinder wall with a clean, oil dampened cloth and it does not pick up any honing grit. Lightly oil the cylinder bore to prevent oxidation and assist with piston installation.
- Exhaust Power Valves (2-Stroke engines): When boring cylinders with exhaust power

valves the exhaust power valve must be 0inspected to ensure it does not extend into the cylinder. The exhaust power valve must have approximately .015" clearance from the cylinder bore. Without proper clearance, the exhaust power valve could contact the piston and engine damage could occur. If machining the exhaust power valve is necessary, remove metal only in the area that extends into the cylinder bore. (See illustration)



Honing Brushes

Nylon Soft Hone Brushes					
Bore Range mm	Bore Range Inches	Part No.	Brush O.D.	Overall Length	Price
45-57mm	1.77"-2.24"	W6075	2"	10"	\$49.40
57-70mm	2.24"-2.76"	W6076	3"	10"	\$49.40
63-76mm	2.48"-2.99"	W6077	4"	14"	\$64.73
76-89mm	2.99"-3.50"	W6078	4"	14"	\$64.73
89-102mm	3.50"-4.02"	W6079	4"	14"	\$72.83



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	Swag
	Electronics
Į	Fuel Management
	Crankshafts
	Valves Train
8	Clutch
	Top End:
1	Aprilia
	Arctic Cat
	BMW
8	Cagiva
	Can-Am
1	Ducati
l	Gas Gas
	GM Speedway
ļ	Honda
	Husaberg
	Husqvarna
1	Jawa
	Indian
	Kawasaki
8	ктм
	Polini
	Polaris
	Rotax, ATK
	Suzuki
	Triumph
	VOR
	Yamaha
	PWC
	Sleeves
	Rings
	Accessories