

**L.A.SLEEVE**  
Since 1945

# QUICK REFERENCE CATALOG

**CYLINDER SLEEVES   CYLINDER REBUILD KITS  
OFFROAD MX STREET ATV UTV WATERCRAFT**

POWERSPORTS CATALOG SUPPLEMENT

2022





MANUFACTURER OF QUALITY CYLINDER SLEEVES

TRACTORS

COMPRESSOR

TRUCK

AUTOMOTIVE

MARINE

MOTORCYCLE

ATV

WATERCRAFT

SNOWMOBILE

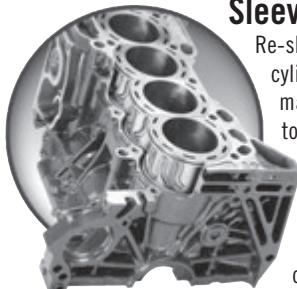
CUSTOM

HI-PERFORMANCE





## ENGINE & SHOP SERVICES



### Sleeving... Still The Solution!

Re-sleeving worn or seized cylinders and cylinder blocks with cylinder sleeve liners manufactured by L.A. Sleeve Co. continues to be the solution for riders, racer, and engine builders everywhere. Our top quality cylinder sleeves, four-stroke and two-stroke, have proven to be durable and economical with the added advantage of being boreable. Re-sleeved cylinders will never flake or peel.

### CYLINDER REPAIR

Why would you spend several hundred dollars to buy a new cylinder when we can repair it for a fraction of the cost?



L.A. Sleeve offers re-sleeving services for automotive, small engine, motorcycle, ATV, snowmobile, marine and watercraft.

Four-stroke cylinders receive a newly installed cylinder sleeve, are bored, honed to fit the piston and the top is surfaced when required.

Two-stroke cylinders receive a newly installed sleeve. All of the ports are matched, blended and chamfered. The sleeved cylinder is bored and honed to fit the piston. The top deck is surfaced to be as new. A properly installed two-stroke sleeve renews the cylinder and retains the original performance of the engine.

Send us your cylinder or cylinder block along with instructions. Our sleeving department will install a new sleeve or multiple sleeves into your cylinder and return it ready to install and run.

**L.A. SLEEVE** offers a complete engine and service department to handle your every need. Together with our cylinder sleeves and sleeve kits we proudly sell these fine products.



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**SLEEVES:** Los Angeles Sleeve Co. manufactures cast iron cylinder sleeves for all popular makes and models. Engine rebuilders find they can rely on the quality and workmanship of **LASCO** cylinder sleeves, and their use saves them time and money. The castings used in the manufacture of these sleeves are made from an iron alloy and hardness specifically formulated for cylinder sleeves, which insures ease in installation, trouble free boring and a dependable long life engine.

Centerless grinding of outside diameters of **LASCO** sleeves provides for perfect roundness and exact size which is controlled by rigid inspection of one-half thousandth of an inch. We invite comparison of our sleeves with other leading makes for size, roundness and finish.

Each cylinder sleeve is designed to best suit its designated cylinder. Three concepts are integrated in the designing and manufacturing of a sleeve:

- 1) The retained strength of a cylinder after the sleeve is installed.
- 2) Ease of installation for the rebuilders.
- 3) The ability to bore to the maximum amount of oversize pistons available.

The **TYPE** column, next to the sleeve part number, will help the rebuilders identify the cylinder that is to be sleeved. The **TYPE** column designation will also help the rebuilders to determine the proper installation procedure.

#### **TYPE COLUMN CODE EXPLANATIONS:**

**AC** - Original cylinder bore is alloy-chrome plated, Nikasil, or electrofused. The cylinder must be bored to accept the new cylinder sleeve.

**CS** - Original block has a cast-in sleeve liner in the cylinder. The cylinder must be bored out to accept the new cylinder sleeve. The cast-in liner will be bored completely out of the cylinder. Do not try to push out the cast-in liner, cylinder damage may be the result.

**CI** - Original block has a cast-in liner in the cylinder. The cylinder must be bored to accept the new cylinder sleeve. When using a CI style sleeve the cast-in liner will not be completely removed. The sleeve is designed to insert into the iron lined cylinder.

**RS** - Original block has a replacement sleeve. Heat the cylinder to remove the sleeve. Reheat the cylinder to install the new cylinder sleeve.

**CC** - Original barrel is cast-iron. The cylinder must be bored to accept the new cylinder sleeve.

**L** - Limited inventory available. Once inventory of this part number is depleted the sleeve will be made to order. Call for inventory status and/or delivery lead times.

**MO** - Sleeve is made to order. Limited inventory may be in stock. Call for inventory status and/or delivery lead times.

**NA** - This sleeve part number is no longer produced and not available for production.

**BB** - Big Bore Sleeve may require special machining and/or machining of cases or cylinder head.

#### **GENERAL RULES FOR SLEEVE INSTALLATION:**

These tips are intended to be a guide for installing sleeves into cylinders. There are always exceptions to the rule and care must be taken on special applications.

**ALWAYS WAIT UNTIL THE SLEEVE ARRIVES BEFORE BEGINNING ANY MACHINE WORK. NEVER ASSUME THAT THE STATED MODEL AND YEAR OF THE CYLINDER IS CORRECT. ALWAYS CHECK TO SEE IF THE SLEEVE PORTS MATCH THE CYLINDER PORTS.**

1. Interference fit for cylinder sleeve to aluminum bore is .004.
2. Interference fit for cylinder sleeve to a cast iron bore is .002 to .003.
3. Installation of flanged type sleeves follow the same rules, but the top of the cylinder must have a countersink to the correct depth to accept the flanged sleeve. .000 to .001 interference fit on the flange diameter is recommended.
4. Heating the cylinder for 45 minutes to one hour at 350 degrees to 450 degrees is preferable.
5. The sleeve should slide in very easily when the cylinder is properly heated. Freeze shrinking the sleeve is optional. (Some machinists believe this assists installation of the sleeve.)
6. **REMEMBER:** Rap or press the sleeve down while the cylinder is cooling down. Use a hydraulic press for this procedure.
7. Milling the top deck of the cylinder always adds a quality touch. A caution here, some cylinders may not be able to have the top surface decked.
8. For 2-stroke cylinders, blending or matching the ports is recommended for proper fuel flow.

# TOP END CYLINDER REBUILD KITS

Cylinder Rebuild Kits are available for 2-Stroke and 4-Stroke engines. Each rebuild kit is supplied with all of the quality engine parts to re-sleeve your cylinder and re-assemble the top end.

**2-Stroke Kits** feature a cylinder sleeve with the machined ports, a pro-cast or forged piston, rings, pin, clips and pin bearing. A top end gasket kit is included to assure a smooth re-assembly.

**4-Stroke Kits** include a cylinder sleeve, a pro-cast or forged piston, rings, pin, clips and a top end gasket kit. Many gasket kits include the valve stem seals.



## OFFROAD MX CYLINDER REBUILD KITS

Model	Year	Part #	Model	Year	Part #			
<b>HONDA 2-STROKE</b>								
CR-500R	1989-01	5077K-2	CRF-450X	2005-17	5537K-3			
CR-500R	1987-88	5003K	XR-400R	1996-04	5293K			
CR-250R (Cyl. No. KSK)	2005-07	5580K	XR-250R	1996-04	957K-1			
CR-250R (Cyl. No. KSKA)	2004	5535K	XR-250R	1986-95	957K			
CR-250R (Cyl. No. KZ3X)	2003	5477K	XR-250L	1991-96	957K			
CR-250R (Cyl. No. KZ3W)	2002	5477K	CRF-230F	2003-19	5491K			
CR-250R (Cyl. No. KZ3V)	2001	5448K	XR-200R	1992-02	103K-2			
CR-250R (Cyl. No. KZ3T)	2000	5375K	XR-200R	1986-91	103K-1			
CR-250R (Cyl. No. KZ3S)	1999	5375K	CRF-150R	2012-22	5635K-1			
CR-250R (Cyl. No. KZ3P)	1997-98	5318K	CRF-150R	2007-09	5635K			
CR-250R (Cyl. No. KZ3M)	1995-96	5250K	CRF-100F	2004-13	5197K			
CR-250R (Cyl. No. KZ3L)	1994	5198K	XR-100R	1992-03	5197K			
CR-250R (Cyl. No. KZ3)	1992-93	5178K	<b>HUSQVARNA 2-STROKE</b>					
CR-250R	1990-91	5105K	TE-300i	2018-19	5798K			
CR-250R	1988-89	5076K	TE-300	2017	5798K-1			
CR-250R	1987	5002K	TE-300	2014-16	5749K			
CR-250R	1986	958K	TX-300	2017-19	5798K-1			
CR-125R (Cyl. No. KSRF)	2005-07	5579K	WR-300	2009-13	5774K			
CR-125R (Cyl. No. KSRA)	2004	5568K	TC-250	2020-21	5811K			
CR-125R (Cyl. No. 02)	2003	5489K	TC, TE-250	2017-19	5785K			
CR-125R (Cyl. No. 01)	2002	5466K	TC, TE-250	2014-16	5748K			
CR-125R (Cyl. No. 00)	2001	5450K	WR, CR-250	2003-13	5545K			
CR-125R (Cyl. No. 99)	2000	5439K	TE-150	2017-20	5805K			
CR-125R	1998-99	5291K-1	TC-125	2017-20	5804K			
CR-125R	1996-97	5291K	TC-125	2014-16	5692K			
CR-125R	1993-95	5249K	CR, WR-125	2003-08	5544K			
CR-125R	1992	5301K	CR, WR-125	2001-02	5453K			
CR-125R	1990-91	5104K	CR, WR-125	2000	5452K			
CR-125R	1989	5075K	TC-85	2018-20	5796K			
CR-85R	2005-07	5599K	TC-85	2014-17	5551K-1			
CR-85R	2003-04	5488K	TC-65	2017-20	5747K			
CR-80R	1992-02	5066K-2	<b>KAWASAKI 2-STROKE</b>					
CR-80R	1987-91	5066K	KX-500	1989-04	5087K-1			
<b>HONDA 4-STROKE</b>								
XR-650R	2000-07	5440K	KX-250 (Cyl. No. 0027)	2005-07	5582K			
XR650L	1993-21	5160K	KX-250 (Cyl. No. 0014)	2004	5538K			
XR-600R	1991-00	5159K-1	KX-250 (Cyl. No. 1979)	2003	5471K			
XR-600R	1988-90	5037K-1	KX-250 (Cyl. No. 1959)	2002	5471K			
XR-600R	1985-87	960K-1	KX-250 (Cyl. No. 1938)	2001	5481K			
CRF-450R	2013-16	5695K	KX-250 (Cyl. No. 1911)	2000	5422K			
CRF-450R	2009-12	5695K-1	KX-250 (Cyl. No. 1851)	1998-99	5350K			
CRF-450R	2007-08	5537K-2	KX-250 (Cyl. No. 1835)	1997	5321K			
CRF-450R	2004-06	5537K	KX-250 (Cyl. No. 1793)	1996	5294K			
			KX-250 (Cyl. No. 1751)	1995	5253K			
			KX-250 (Cyl. No. 1722)	1994	5209K			

# OFFROAD MX CYLINDER REBUILD KITS

Model	Year	Part #	Model	Year	Part #			
<b>KAWASAKI 2-STROKE (Continued)</b>								
KX-250 (Cyl. No. 1686)	1993	5180K	300 XC-W TPI	2019	5798K			
KX-250 (Cyl. No. 1671)	1992	5153K	300 XC, XC-W	2017-18	5798K			
KX-250 (Cyl. No. 1643)	1991	5123K	300 XC, XC-W	2012-16	5749K			
KX-250	1990	5122K	300 XC, XC-W	2008-11	5694K			
KDX-220	1997-05	5319K	300 EXC, MXC	2004-05	5632K			
KDX-200	1995-06	5252K	300 EXC, MXC	2002-03	5521K			
KDX-200	1989-94	5086K	300 EXC, MXC	2000-01	5410K-1			
KX-125 (Cyl. No. 0026)	2005	5570K	300 EXC, MXC	1999	5410K			
KX-125 (Cyl. No. 0013)	2004	5570K	250 SX, XC	2019-20	5811K			
KX-125 (Cyl. No. 1978)	2003	5485K	250 XC-W TPI	2019	5785K			
KX-125 (Cyl. No. 1960)	2002	5473K	250 XC	2018	5785K			
KX-125 (Cyl. No. 1939)	2001	5451K	250 SX, XC-W	2017-18	5785K			
KX-125 (Cyl. No. 1921)	2000	5429K	250 SX, XC-W	2011-16	5748K			
KX-125 (Cyl. No. 1881)	1999	5354K1	250 XC	2012-14	5748K			
KX-125 (Cyl. No. 1852)	1998	5354K	250 XC	2007-11	5693K			
KX-125 (Cyl. No. 1840)	1997	5307K	250 SX, XC-W	2007-10	5693K			
KX-125 (Cyl. No. 1794)	1996	5307K	250 SX	2005-06	5600K			
KX-125 (Cyl. No. 1752)	1995	5251K	250 EXC, MXC, XC-W	2005-06	5600K-1			
KX-125 (Cyl. No. 1720)	1994	5208K	250 EXC, MXC	2004	5555K-1			
KX-125 (Cyl. No. 1687)	1993	5179K	250 SX	2003-04	5555K			
KX-125 (Cyl. No. 1672)	1992	5154K	250 SX	2002	5478K			
KX-125 (Cyl. No. 1645)	1991	5107K-1	250 EXC, MXC	2002-03	5478K-1			
KX-125 (Cyl. No. 1602)	1990	5107K	250 EXC, MXC	2001	5458K-1			
KX-125 (Cyl. No. 1565)	1989	5089K	250 SX	2001	5458K			
KX-125 (Cyl. No. 1539)	1988	5043K	250 SX	2000	5435K			
KX-125 (Cyl. No. 1508)	1987	5006K	250 EXC, MXC	2000	5435K-1			
KX-100	2014-22	5779K	200 EXC, XC, XC-W	2003-16	5554K			
KX-100	2006-13	5608K	200 EXC, MXC	1998-02	5394K			
KX-100	1998-05	5358K	150 SX, XC-W	2016-21	5805K			
KX-100	1995-97	5263K	150 SX, XC	2009-15	5684K			
KX-85	2014-22	5778K	144 SX	2007-08	5684K			
KX-85	2001-13	5449-1	125 SX	2016-21	5804K			
KX-80	1998-00	5351K	125 SX	2007-15	5692K			
KX-80	1995-97	5316K	125 SX	2004-06	5553K			
KX-80	1991-94	5121K	125 SX, EXC	2002-03	5457K-1			
KX-80	1990	5041K-1	125 SX, EXC	2001	5457K			
KX-80	1988-89	5041K	125 SX, EXC	1999-01	5404K			
KX-80	1986-87	967K	125 SX, EXC	1998	5388K			
KX-65 (Cyl. No. 1973)	2002-21	5472K	85 SX	2018-21	5796K			
KX-65 (Cyl. No. 1931)	2000-01	5431K	85 SX, XC	2003-17	5551K			
KX-60	1999-03	935K-1	65 SX	2009-21	5747K			
KX-60	1994-98	935K	65 SX, XC	2003-08	5550K			
<b>KAWASAKI 4-STROKE</b>								
KX-450F	2013-14	5698K-1	65 SX	1998-02	5393K			
KX-450F	2009-12	5698K	<b>KTM 4-STROKE</b>					
KX-450F	2006-08	5607K	525 EXC, MXC, SX, XC-W	2003-07	5437K			
KLR-450R	2008-15	5607K	520 EXC, MXC, SX	2003-07	5437K			
KLX-400R	2003	5430K	505 SX-F, XC-F	2007-09	5584K			
KX-250F	2015-16	5611K-3	450 SX-F	2016-19	5744K			
KX-250F	2010-14	5611K-2	450 SX-F	2003-15	5744K-1			
KX-250F	2009	5611K-1	450 EXC, XC-F, XC-W	2012-16	5744K-2			
KX-250F	2006-08	5611K	<b>SUZUKI 2-STROKE</b>					
KX-250F	2004-05	5530K	RM-250 (Cyl. No. 37F5)	2006-08	5629K			
<b>KTM 2-STROKE</b>								
300 XC, XC TPI	2019-21	5815K	RM-250 (Cyl. No. 37F4)	2005	5534K-1			
300 XC-W TPI	2020-21	5815K	RM-250 (Cyl. No. 37F3)	2004	5534K			
			RM-250 (Cyl. No. 37F2)	2003	5494K			
			RM-250 (Cyl. No. 37F1)	2002	5474K			

## OFFROAD MX CYLINDER REBUILD KITS

Model	Year	Part #	Model	Year	Part #																																																																																																																																																																																																																					
<b>SUZUKI 2-STROKE (Continued)</b>																																																																																																																																																																																																																										
RM-250 (Cyl. No. 37F0)	2001	5465K	YZ-125 (Cyl. No. 5XE)	2004	5533K																																																																																																																																																																																																																					
RM-250 (Cyl. No. 40)	2000	5419K	YZ-125 (Cyl. No. 5UN)	2003	5487K																																																																																																																																																																																																																					
RM-250 (Cyl. No. 30)	1999	5379K	YZ-125 (Cyl. No. 5NY)	2002	5470K																																																																																																																																																																																																																					
RM-250 (Cyl. No. 20)	1998	5357K	YZ-125 (Cyl. No. 5MV)	2001	5378K-1																																																																																																																																																																																																																					
RM-250 (Cyl. No. 10)	1997	5324K	YZ-125 (Cyl. No. 5HD)	2000	5378K																																																																																																																																																																																																																					
RM-250	1996	5295K	YZ-125 (Cyl. No. 5ET)	1999	5378K																																																																																																																																																																																																																					
RM-250 (Cyl. No. 60)	1995	5256K	YZ-125 (Cyl. No. 4SS10)	1998	5348K																																																																																																																																																																																																																					
RM-250 (Cyl. No. 50)	1994	5217K	YZ-125 (Cyl. No. 4SS)	1997	5311K-1																																																																																																																																																																																																																					
RM-250 P	1993	5182K	YZ-125 (Cyl. No. 4SS)	1996	5311K																																																																																																																																																																																																																					
RM-250 L	1992	5124K-1	YZ-125 (Cyl. No. 4PE)	1995	5257K																																																																																																																																																																																																																					
RM-250 K	1991	5124K	YZ-125 (Cyl. No. 4JY)	1994	5257K																																																																																																																																																																																																																					
RM-250	1990	5093K-1	YZ-125 (Cyl. No. 4EX)	1993	5184K																																																																																																																																																																																																																					
RM-250	1989	5093K	YZ-125 (Cyl. No. 4DB)	1992	5141K																																																																																																																																																																																																																					
RM-125 (Cyl. 36F1 & 36F)	2004-10	5532K	YZ-125 (Cyl. No. 3XJ)	1991	5118K																																																																																																																																																																																																																					
RM-125	2000-03	5420K	YZ-125 (Cyl. No. 3SR)	1990	5120K																																																																																																																																																																																																																					
RM-125	1998-99	5346K	YZ-85 (Cyl. No. B4B)	2019-22	5807K																																																																																																																																																																																																																					
RM-125	1997	5323K	YZ-85 (Cyl. No. 5PA)	2002-18	5476K																																																																																																																																																																																																																					
RM-125 (Cyl. No. 70)	1996	5255K	YZ-80 (Cyl. No. 4ES)	1993-01	5183K																																																																																																																																																																																																																					
RM-125 (Cyl. No. 60)	1995	5255K	<b>YAMAHA 4-STROKE</b>																																																																																																																																																																																																																							
RM-125 (Cyl. No. 50)	1994	5255K	RM-125 (Cyl. No. 40)	1993	5181K	XT, TT-500	1975-81	375K	RM-125 N	1992	5108K-1	YZ-450F (Cyl. No. BR9)	2018-19	5728K-2	RM-125 M	1991	5108K	YZ-450FX (Cyl. No. BR9)	2019	5728K-2	RM-125 L	1990	5106K	YZ-450F (Cyl. No. 1SL)	2014-17	5728K-1	RM-85	2002-21	5479K	YZ-450FX (Cyl. No. 1SL)	2016-17	5728K-1	RM-65	2003-06	5472K	YZ-450F (Cyl. No. 33D)	2010-13	5728K	<b>SUZUKI 4-STROKE</b>			YZ-450F (Cyl. No. 2S2)	2006-09	5627K	RM-Z450	2013-19	5699K-1	YZ-450F (Cyl. No. 5TA)	2003-05	5495K-2	RM-Z450	2008-12	5699K	WR-450F (Cyl. No. BR9)	2019	5728K-2	RM-Z450	2006-07	5628K	WR-450F (Cyl. No. 1SL)	2016-18	5728K-1	RM-Z450	2005	5601K	WR-450F (Cyl. No. 2S2)	2007-15	5627K	RMX-Z450	2010-19	5699K	WR-450F (Cyl. No. 5TA)	2003-06	5495K-2	DR-Z400 E, S	2000-19	5430K	YZ, WR-426F	2000-02	5424K	RM-Z250	2019-21	5750K	YZ, WR-400F	1998-00	5359K	RM-Z250	2010-18	5530K-2	XT-350	1985-00	902K	RM-Z250	2007-09	5530K-3	YZ-250F (Cyl. No. 1SM)	2016-18	5780K-1	RM-Z250	2004-06	5530K	YZ-250FX (Cyl. No. 1SM)	2017-19	5780K-1	<b>YAMAHA 2-STROKE</b>			YZ-250F (Cyl. No. 1SM)	2014-15	5780K	YZ-250 (Cyl. No. 5UP)	2003-21	5377K-1	YZ-250FX (Cyl. No. 1SM)	2015-16	5780K	YZ-250X (Cyl. No. BF1)	2016-21	5377K-2	YZ-250F (Cyl. No. 5XC)	2012-13	5536K-2	YZ-250 (Cyl. No. 5NX)	2002	5377K-1	YZ-250F (Cyl. No. 5XC)	2008-11	5536K-1	YZ-250 (Cyl. No. 5MW)	2001	5377K	YZ-250F (Cyl. No. 5XC)	2004-07	5536K	YZ-250 (Cyl. No. 5HC)	2000	5377K	YZ-250F (Cyl. No. 5UL)	2003	5515K	YZ-250 (Cyl. No. 5CU)	1999	5377K	YZ-250F (Cyl. No. 5NL)	2001-02	5463K	YZ-250 (Cyl. No. 4XL)	1998	5352K	WR-250F (Cyl. No. 1SM)	2018-19	5780K-1	YZ-250 (Cyl. No. 4XL)	1997	5327K	WR-250F (Cyl. No. 1SM)	2015-17	5780K	YZ-250 (Cyl. No. 4SR)	1996	5296K	WR-250F (Cyl. No. 5XC)	2004-13	5536K	YZ-250 (Cyl. No. 4MX)	1995	5258K	TT-R125	2000-21	5426K	YZ-250 (Cyl. No. 4JX)	1994	5222K				YZ, WR-250 (Cyl. No. 4EW)	1993	5185K				YZ, WR-250 (Cyl. No. 4DA)	1992	5174K				YZ, WR-250 (Cyl. No. 3XK)	1991	5119K				YZ, WR-250 (Cyl. No. 3SP)	1990	5109K				YZ, WR-250 (Cyl. No. 3JE)	1989	5095K				YZ, WR-250 (Cyl. No. 2VM)	1988	5054K				YZ-125 (Cyl. No. 1C3)	2005-22	5533K-1			
RM-125 (Cyl. No. 40)	1993	5181K	XT, TT-500	1975-81	375K																																																																																																																																																																																																																					
RM-125 N	1992	5108K-1	YZ-450F (Cyl. No. BR9)	2018-19	5728K-2																																																																																																																																																																																																																					
RM-125 M	1991	5108K	YZ-450FX (Cyl. No. BR9)	2019	5728K-2																																																																																																																																																																																																																					
RM-125 L	1990	5106K	YZ-450F (Cyl. No. 1SL)	2014-17	5728K-1																																																																																																																																																																																																																					
RM-85	2002-21	5479K	YZ-450FX (Cyl. No. 1SL)	2016-17	5728K-1																																																																																																																																																																																																																					
RM-65	2003-06	5472K	YZ-450F (Cyl. No. 33D)	2010-13	5728K																																																																																																																																																																																																																					
<b>SUZUKI 4-STROKE</b>			YZ-450F (Cyl. No. 2S2)	2006-09	5627K																																																																																																																																																																																																																					
RM-Z450	2013-19	5699K-1	YZ-450F (Cyl. No. 5TA)	2003-05	5495K-2																																																																																																																																																																																																																					
RM-Z450	2008-12	5699K	WR-450F (Cyl. No. BR9)	2019	5728K-2																																																																																																																																																																																																																					
RM-Z450	2006-07	5628K	WR-450F (Cyl. No. 1SL)	2016-18	5728K-1																																																																																																																																																																																																																					
RM-Z450	2005	5601K	WR-450F (Cyl. No. 2S2)	2007-15	5627K																																																																																																																																																																																																																					
RMX-Z450	2010-19	5699K	WR-450F (Cyl. No. 5TA)	2003-06	5495K-2																																																																																																																																																																																																																					
DR-Z400 E, S	2000-19	5430K	YZ, WR-426F	2000-02	5424K																																																																																																																																																																																																																					
RM-Z250	2019-21	5750K	YZ, WR-400F	1998-00	5359K																																																																																																																																																																																																																					
RM-Z250	2010-18	5530K-2	XT-350	1985-00	902K																																																																																																																																																																																																																					
RM-Z250	2007-09	5530K-3	YZ-250F (Cyl. No. 1SM)	2016-18	5780K-1																																																																																																																																																																																																																					
RM-Z250	2004-06	5530K	YZ-250FX (Cyl. No. 1SM)	2017-19	5780K-1																																																																																																																																																																																																																					
<b>YAMAHA 2-STROKE</b>			YZ-250F (Cyl. No. 1SM)	2014-15	5780K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 5UP)	2003-21	5377K-1	YZ-250FX (Cyl. No. 1SM)	2015-16	5780K																																																																																																																																																																																																																					
YZ-250X (Cyl. No. BF1)	2016-21	5377K-2	YZ-250F (Cyl. No. 5XC)	2012-13	5536K-2																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 5NX)	2002	5377K-1	YZ-250F (Cyl. No. 5XC)	2008-11	5536K-1																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 5MW)	2001	5377K	YZ-250F (Cyl. No. 5XC)	2004-07	5536K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 5HC)	2000	5377K	YZ-250F (Cyl. No. 5UL)	2003	5515K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 5CU)	1999	5377K	YZ-250F (Cyl. No. 5NL)	2001-02	5463K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 4XL)	1998	5352K	WR-250F (Cyl. No. 1SM)	2018-19	5780K-1																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 4XL)	1997	5327K	WR-250F (Cyl. No. 1SM)	2015-17	5780K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 4SR)	1996	5296K	WR-250F (Cyl. No. 5XC)	2004-13	5536K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 4MX)	1995	5258K	TT-R125	2000-21	5426K																																																																																																																																																																																																																					
YZ-250 (Cyl. No. 4JX)	1994	5222K																																																																																																																																																																																																																								
YZ, WR-250 (Cyl. No. 4EW)	1993	5185K																																																																																																																																																																																																																								
YZ, WR-250 (Cyl. No. 4DA)	1992	5174K																																																																																																																																																																																																																								
YZ, WR-250 (Cyl. No. 3XK)	1991	5119K																																																																																																																																																																																																																								
YZ, WR-250 (Cyl. No. 3SP)	1990	5109K																																																																																																																																																																																																																								
YZ, WR-250 (Cyl. No. 3JE)	1989	5095K																																																																																																																																																																																																																								
YZ, WR-250 (Cyl. No. 2VM)	1988	5054K																																																																																																																																																																																																																								
YZ-125 (Cyl. No. 1C3)	2005-22	5533K-1																																																																																																																																																																																																																								

# OFFROAD DIRT-BIKE MX SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #					
<b>ATK 2-STROKE</b>														
ATK 250 (ROTAX)	1992-95	72	RS/MO	FL-5192	WMX 125	1985-86	56	AC/MO	FL-934					
ATK 250, 260 (ROTAX)	1995-04	67.5	AC/MO	FL-5262	WMX 125	1987-88	56	AC/L	FL-5074					
ATK 406 (ROTAX)	1990-95	84	RS	FL-5155	WMX 125	1989-90	56	AC/L	FL-5172					
<b>ATK 4-STROKE</b>														
ATK 490, 500 (ROTAX)	1999-03	89	RS	FL-5384	WMX 125	1991-92	56	AC/L	FL-5186					
ATK 604 (ROTAX 600)	1991-93	97	RS/L	FL-5161	WMX 200	1984	67	AC/L	FL-913					
ATK 605 (ROTAX)	1994-03	97	RS	FL-5248	WMX 250	1988-90	70	AC/L	FL-5058					
<b>AJS 2-STROKE</b>														
250 Y4		68	RS/L	FL-228	<b>CAGIVA 2-STROKE</b>									
370 Y50, 400 Y51		83	RS/MO	FL-229B	MX-125	1984-85	54	AC/MO	FL-907					
<b>AJS 4-STROKE</b>														
500	1950	83.5	CS/MO	FL-5738	125 Flanged Replacement Sleeve	Pre-80's	54	RS/L	FL-190					
<b>BSA 4-STROKE</b>														
GOLD STAR 500 (5-5/8" Long)		85	RS/MO	FL-182	MX-175 2,3	1975-77	62	RS/L	FL-908					
GOLD STAR 500 (6" Long)		85	RS/MO	FL-248	175 ASE	1984	62	RS/L	FL-908					
VICTOR 440 ROUND BARREL	1966-67	79	CS/MO	FL-186	MX-250 2,3	1974-77	74	RS/MO	FL-909					
VICTOR 440 SQUARE BARREL	1968-70	79	RS/MO	FL-173	MX-250 4,5 (O.D. 3.256")	1978-83	72	RS/L	FL-910					
VICTOR 500 MX	1972	84	RS/MO	FL-234	MX-250 (O.D. 3.117")	1978-83	72	RS/MO	FL-5192					
<b>BULTACO 2-STROKE</b>														
125 Pursang	1977	54	RS/L	FL-647	MX-250 (Liquid-Cooled)	1985-86	72	AC/L	FL-966					
125 Sherpa S		51.5	RS/L	FL-231	350 ASE	1980-81	76	RS/MO	FL-5575					
200 Pursang 134 Series	1975		N/A	FL-653	500 (486cc) Rotax		85	RS/L	FL-5482					
200 Sherpa		64	RS/MO	FL-243	<b>CAN-AM 4-STROKE</b>									
250 Astro	1972	72	RS/MO	FL-240	Sabre 500 MX	1982-83	89	RS	FL-727					
250 Astro	1977	70	RS/L	FL-389	Sonic 560 MX	1985	94	RS/MO	FL-911					
250 Astro	1978-79	70	RS/MO	FL-675	<b>CZ 2-STROKE</b>									
250 Matador 107 Series		72	RS/MO	FL-232	250 MX	1958	70	RS/MO	FL-5587					
250 MK IX 167 Series	1976	72	RS/L	FL-381	250 MX	1969-75	70	RS/MO	FL-133					
250 Pursang	1970	72	RS/MO	FL-253	ISDT 250	1981-82	70	RS/L	FL-823					
250 Pursang	1971	72	RS/MO	FL-191	400 MX (O.D. 3.705")	1968	82	RS/L	FL-324					
250 Pursang	1973-76	72	RS/MO	FL-320	400 MX (O.D. 3.785")	1972	82	RS/MO	FL-249					
250 Pursang 192 Series	1977	72	RS/L	FL-390	<b>FANTIC 2-STROKE</b>									
250 Pursang	1979	70	RS/L	FL-713	Caballero 125	1997	55	AC	FL-5355					
350 Alpina	1976	83.2	RS/MO	FL-391	Fantic 250 Series 301, 303	1986-88	74	AC/L	FL-996					
350 Pursang, Alpina		83.2	RS/L	FL-241B	Fantic 250 Series 307, 309	1989-93	74	AC/L	FL-5149					
350 Sherpa T	1972-74	83.2	RS/MO	FL-651	<b>GAS GAS 2-STROKE</b>									
360 Bandit	1970	85	RS/L	FL-242	125 Liquid-Cooled (EURO)	2008-10	54	AC/MO	FL-7045					
360 Pursang MK VII 121 Series	1974	83.2	RS/L	FL-321	250 EC	1998-00	66.4	AC	FL-5483					
360 Pursang MK VIII 136 Series	1975-76	84	RS/MO	FL-322	<b>HARLEY-DAVIDSON 2-STROKE</b>									
360 Pursang 168 Series	1976	84	RS/MO	FL-392	SX 175		61	AC/MO	FL-338					
370 Frontera 181 Series	1977	84	RS/MO	FL-392	SX 250	1975	72	AC/L	FL-341					
370 Pursang 193 Series	1977	85	RS/L	FL-394	MX 250	1977	72	AC/L	FL-398					
370 Pursang (Reed)	1978-79	85	RS/MO	FL-904	<b>HONDA 2-STROKE</b>									
<b>ATV 2-STROKE</b>														
MR50 Elsinore	1974	40	CI/MO	H-624	CR60	1983	42.5	L	H-5524H					
CR60	1984	42.5	MO	H-758H	CR80R	1984	49.5	CS	H893C					
CR80R	1985	47	CS	H894	CR80R	1986	47	AC	H-948					
CR80R	1987-02	47	AC	H-5066	CR80R Big Bore 102-105cc	1986-02	52	AC	H-948B					

# OFFROAD DIRT-BIKE MX SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #					
<b>HONDA 2-STROKE (Continued)</b>														
CRE-80	1995-99	46	AC	H-7024	CR-250R (KZ3M)	1995-96	66.4	AC	H-5250					
CR-85R	2003-04	47.5	AC	H-5488	CR-250R (KZ3P)	1997-98	66.4	AC	H-5318					
CR-85R Big Bore 96-102cc	2003-04	50.5	AC	H-5488B	CR-250R (KZ3S, KZ3T)	1999-00	66.4	AC	H-5375					
CR-85R	2005-07	47.5	AC	H-5599	CR-250R (KZ3V)	2001	66.4	AC	H-5448					
CR-85R Big Bore 96-102cc	2005-07	50.5	AC	H-5599B	CR-250R (KZ3W, KZ3X)	2003-03	66.4	AC	H-5477					
CR-125 Elsinore	1973-74	56	CI/L	H-85	CR-250R (KSK)	2004	66.4	AC	H-5535					
CR-125 Elsinore	1975-78	56	CI/L	H-085	CR-250R (KSK)	2005-07	66.4	AC	H-5580					
CR-125R	1979	56	AC/L	H-1	CR-450R	1981	85	CS/L	H-109					
CR-125R	1980	55.5	CS	H-94	CR-480R	1982-83	89	CS/L	H-110					
CR-125R	1981-82	55.5	CS	H-99	CR-500R	1984	89	CI/L	H-846					
CR-125R Sleeve Down 100cc	1981-82	50	CI	H-99SD	CR-500R	1985-86	89	CS/L	H-847					
CR-125R	1983-84	55.5	CS	H-114	CR-500R	1987-88	89	CS/L	H-5003					
CR-125R	1985-86	54	CS	H-940	CR-500R	1989-01	89	CI	H-5077					
CR-125R	1987-88	54	CS	H-5001	Large O.D. to repair broken skirt		89	CS	H-5077C					
CR-125R	1989	54	AC	H-5075	<b>HONDA 4-STROKE</b>									
CR-125R	1990-91	54	AC	H-5104	CRF-50F	2004-22	39	CC	H-5438					
CR-125R	1992	54	AC	H-5301	XR-50R	2000-03	39	CC	H-5438					
CR-125R	1993-95	54	AC	H-5249	CRF-70F	2004-12	47	CC	H-5387					
CR-125R	1996-99	54	AC	H-5291	XR-70R	1997-03	47	CC	H-5387					
CR-125R (Cyl. No. 99)	2000	54	AC	H-5439	CT-70	1977-82	47	CC/MO	H-8					
CR-125R (Cyl. No. 00)	2001	54	AC	H-5450	CRF-80F	2004-13	47.5	CS	H-101					
CR-125R (Cyl. No. 01)	2002	54	AC	H-5466	XL-80, XR-80R	1979-03	47.5	CS	H-101					
CR-125R (Cyl. No. 02)	2003	54	AC	H-5489	C90, CM90 , S90		50	CC/MO	H-9					
CR-125R (Cyl. No. KSRA)	2004	54	AC	H-5568	CRF-100F	2004-13	53	CI	H-5197					
CR-125R (Cyl. No. KSRF)	2005-07	54	AC	H-5579	XR-100R	1992-03	53	CI	H-5197					
CRE-125, CRM-125 (Euro)	1992-96	54	AC	H-7004	CRF/XR-100 Big Bore to 120cc	1992-13	58	CI	H-5197B					
MTX-125 (Euro)	1988-91	56	AC	H-7002	XL-125	1976-85	56.5	RS/MO	H-2					
MTX-125 (Euro)	1992-96	54	AC	H-7004	CRF-150F	2003-05	63.5	CI	H-5490					
NS-125 (Euro)	1988-90	56	AC	H-7002	CRF-150F	2006-17	57.3	CI	H-5606					
NSR-125 (Euro)	1991-95	54	AC	H-7004	CRF-150R	2007-22	66	AC	H-5635					
MR-175	1975	66	NA	H-83	CRF-150R Big Bore to 170cc	2007-22	70	AC	H-5733					
CR-250 Elsinore	1973-74	70	CI/L	H-29	XL-175	1973-78	64	RS/MO	H-84					
CR-250 Elsinore	1975-77	70	CI/MO	H-929	XL, XR-185	1979-84	63	CS	H-3					
CR-250R	1978-80	70	AC	H-88	XL-200R	1983-84	65.5	CI	H-103					
CR-250R ATAC	1981-83	66	CI	H-104	XR-200	1980-84	65.5	CI	H-103					
Large O.D. to repair broken skirt		66	CS/MO	H-104H	XR-200R	1980-83	65.5	CI	H-103					
CR-250R ATAC	1984	66	CI	H-843	XR-200R	1984-85	67	CS	H-841					
Large O.D. to repair broken skirt		66	CS/MO	H-843H	XR-200R	1986-02	65.5	CI	H-103					
CR-250R ATAC	1985	66	CI	H-844	Fat Cat 200	1986-87	65	CS	H-989					
Large O.D. to repair broken skirt		66	CS/MO	H-844H	CRF-230F	2003-19	65.5	CI	H-5491					
CR-250R	1986	66.4	AC	H-958	CRF-250R/X	2004	78	AC	H-5531					
CR-250R	1987	66.4	AC	H-5002	CRF-250R	2005-09	78	AC	H-5597					
CR-250R	1988-89	66.4	AC	H-5076	CRF-250X	2005-17	78	AC	H-5597					
CR-250R	1990-91	66.4	AC	H-5105	CRF-250R	2010-17	76.8	AC	H-5739					
CR-250R (KZ3)	1992-93	66.4	AC	H-5178	CRF-250R/RX	2018-22	79	AC	H-5803					
CR-250R (KZ3L)	1994	66.4	AC	H-5198	CRF250R Big Bore to 270cc Ductile	2005-09	80-81	AC	H-5597D					
					Big Bore 280cc Wet Liner Ductile	2005-09	82	AC	H-5731					
					CRF250R Big Bore to 270cc Ductile	2010-17	79-80	AC	H-5739B					

## OFFROAD DIRT-BIKE MX SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>HONDA 4-STROKE (Continued)</b>									
XL-250 (O.D. 3.350")	Thru '77	74	RS/MO	H-22	TC-50	2017-22	39.5	AC	FL-5746
XL, XR-250 (O.D. 3.192")	1978-83	74	RS/MO	H-98	TC-65	2017-22	45	AC	FL-5747
XL, XR-250R	1984-85	75	RS	H-842	TC-85	2014-17	47	AC	FL-5551
XL-250R RFVC	1986-87	75	RS	H-5312	TC-85 Big Bore to 105cc	2014-17	52	AC	FL-5551B
XR-250R RFVC	1986-04	73	RS	H-957	TC-85	2018-22	47	AC	FL-5796
XR-250L	1991-96	73	RS	H-957	CR-125 (Reed)	1975-77	55	CS/L	FL-657
XR250R,L Big Bore to 285cc	1986-04	75.5 - 78		H-957B	CR-125	1978-79	55	RS/L	FL-674
XL-350	1973-79	79	RS/L	H-27	CR-125	1980-81	55	MO	FL-730
XL-350 (O.D. 3.510")	1983-84	84	RS/L	H-119	CR-125	1982	55	RS/MO	FL-731
XR-350 (O.D. 3.549")	1983-84	84	RS/L	H-943	CR-125	1983	55	RS/L	FL-915
XR-400R	1996-04	85	RS	H-5293	CR, XC-125 Liquid Cooled	1984-87	55	RS/L	FL-993
XR-400R Big Bore to 440cc	1996-04	88-89	RS	H-5445	WRK-125	1988-89	56	AC/L	FL-5074
CRF-450R	2002-03	96	AC	H-5475	WXC, WXE-125	1991-92	56	AC/L	FL-5186
CRF-450R Big Bore 477cc to 488cc	2002-03	98-100	AC	H5475B	WXC, WXE-125	1994-95	56	AC/L	FL-5203
Big Bore 497cc Wet Liner Ductile	2002-03	101	AC/MO	H-5475BB	WXC, WXE-125	1996-97	56	AC/L	FL-5320
CRF-450R	2004-08	96	AC	H-5537	CR, WR-125	1999-00	54	AC	FL-5452
CRF-450R Big Bore to 477cc	2004-08	98-99	AC	H-5537B	CR, WR-125	2001-02	54	AC	FL-5453
Big Bore to 477cc Wet liner Ductile	2004-08	98-99	AC/MO	H-5537BB	CR, WR-125	2003-08	54	AC	FL-5544
CRF-450R	2009-16	96	AC	H-5695	TC-125	2014-16	54	AC	FL-5692
CRF-450R / RX	2017-22	96	AC	H-5801	TC-125	2017-22	54	AC	FL-5804
CRF-450X	2005-17	96	AC	H-5537	TE-150, TE-150i	2017-22	58	AC	FL-5805
CRF-450X	2019-22	96	AC	H-5801	175	1973-74	64	CS/L	FL-399
CRF-450L	2019-22	96	AC	H-5801	WR-175	1983-84	64.5	RS/L	FL-994
XL, XR-500	1979-82	89	RS	H-5	WR-250	1972	69.5	CS/MO	FL-246
XL, XR-500 Big Bore to 570cc	1979-82	95	MO	H-5B	WR-250	1973	69.5	CS/MO	FL-388
XR-500	1983-84	92	RS	H-839	CR-250	1974-77	69.5	CS/MO	FL-326
XL-600	1983-87	100	RS	H-120	CR-250	1978-79	69.5	RS/L	FL-660
XR-600R	1985-87	97	RS	H-960	CR, WR-250	1980-81	69.5	RS/L	FL-732
XR-600R	1988-90	97	AC	H-5037	CR, WR, XC-250	1982	69.5	RS/MO	FL-733
XR-600R Big Bore to 628cc	1988-90	100	AC	H-5037B	CR, WR-250	1983	69.5	RS/L	FL-828
XR-600R	1991-00	97	RS	H-5159	CR-250	1984	69.5	RS/L	FL-916
XR-628 Honda Factory Kit	1988-95	100	RS	H-5160	CR-250	1985	69.5	RS/L	FL-955
XR-650L	1993-21	100	RS	H-5160	CR-250	1986	69.5	RS/L	FL-962
XR-650L Big Bore 720cc (Case Mod)	1993-21	105	MO	H-5160B	CR-250 MX	1987-88	66.5	RS/L	FL-5103
XR-650R (Liquid Cooled)	2000-07	100	AC	H-5440	WR, XC-250	1987-88	66.5	RS/L	FL-997
NX-650 Dominator	1988-03	100	RS	H-5160	WXE, WMX-250	1988-90	70	AC/L	FL-5058
<b>HUSABERG 4-STROKE</b>									
FX 450	2010-	95	AC	FL-5820	WXE, WMX-250	1991	70	AC	FL-5164
FC, FE, FX 501	1995-02	95	CI	FL-5484	WR, WXC, WXE, WMX-250	1992	70	AC	FL-5165
FC, FE, FS, FX 600	1993-00	95	AC	FL-5202	WXC, WXE-250	1993	67	AC	FL-5204
<b>HUSQVARNA 2-STROKE</b>									
TC-50	2017-22	39.5	AC	FL-5746	WXC, WXE-250	1994	67	AC	FL-5205
TC-65	2017-22	45	AC	FL-5747	CR, WR-250	1999	66.4	AC	FL-5390
TC-85	2014-17	47	AC	FL-5551	CR, WR-250	2000	66.4	AC	FL-5444
TC-85 Big Bore to 105cc	2014-17	52	AC	FL-5551B	CR, WR-250	2001-02	66.4	AC	FL-5454
TC-85	2018-22	47	AC	FL-5796	CR-250	2003-05	66.4	AC	FL-5545
CR-125 (Reed)	1975-77	55	CS/L	FL-657	WR-250	2003-13	66.4	AC	FL-5545
CR-125	1978-79	55	RS/L	FL-674	TC-250	2014-16	66.4	AC	FL-5748
CR-125	1980-81	55	MO	FL-730	TC-250	2017-19	66.4	AC	FL-5785
CR-125	1982	55	RS/MO	FL-731	TC-250	2020-22	66.4	AC	FL-5811
CR-125	1983	55	RS/L	FL-915	TE-250i	2021-22	66.4	AC	FL-5811
CR-125	1984-87	55	RS/L	FL-993	WR-300	2009-13	72	AC	FL-5774
WRK-125	1988-89	56	AC/L	FL-5074	TE-300	2014-16	72	AC	FL-5749
WXC, WXE-125	1991-92	56	AC/L	FL-5186	TE-300	2017-19	72	AC	FL-5798
WXC, WXE-125	1994-95	56	AC/L	FL-5203	TE-300i	2021-22	72	AC	FL-5815
WXC, WXE-125	1996-97	56	AC/L	FL-5320	TX-300i	2022	72	AC	FL-5815

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>HUSQVARNA 2-STROKE (Continued)</b>									
WXC, WXE-350	1993-94	84	RS	FL-5207	KX-80	1999-00	48	AC	KA-5351
WXC, WXE-350	1995	84	AC	FL-5423	KX-80	1982	52	AC/L	KA-798
360 GP	1975-77	82	CS/MO	FL-360	<b>Big Bore to 100cc</b>	1983	52	AC/L	KA-799
WXC-360	1992	78	AC	FL-5158	KX-80	1984	52	AC/L	KA-853
WXC, WXE-360	1993-94	78	AC	FL-5206	<b>Big Bore to 100cc</b>	1985	52	AC/MO	KA-858
WR-360	1998-02	78	AC/MO	FL-5391	KX-80	1986-87	52	AC	KA-968
CR-390	1977-80	83	CS/MO	FL-390	<b>Big Bore to 100cc</b>	1988-90	52	AC	KA-5042
400		81.5	RS/MO	FL-236	KX-80	1991-97	52	AC	KA-5263
WR-400 Liquid-Cooled	1984-85	82.5	RS/L	FL-917	<b>Big Bore to 100cc</b>	1998-00	52.5	AC	KA-5351B
CR-430	1981-82	86	RS/L	FL-734	KDX-80	1980-82	48	AC	KA-672
CR-430 MX, AE Liquid-Cooled	1987-88	86	RS/L	FL-998	KDX-80	1983-88	48	AC	KA-736
WR-430	1987-88	86	RS/L	FL-998	KX-85	2001-13	48.5	AC	KA-5449
450	1973	84	NA	FL-335	KX-85	2014-21	48.5	AC	KA-5778
CR, XC-500	1983-84	86	RS/L	FL-824	KX-85	2022	48.5	AC	KA-5778
CR, XC-500	1985-87	86	RS/L	FL-963	<b>Big Bore to 100cc</b>	2001-13	52.5	AC	KA-5351B
<b>HUSQVARNA 4-STROKE</b>									
TC, TE-250	2002-09	76	AC	FL-5546	KX-85	2014-22	52.5	AC	KA-5779
TC, TE, TXC 250	2010-13	76	AC	FL-5682	KE-100	1976-01	49.5	AC/MO	KA-786
FC, FE-250	2014-22	78	AC	FL-5743	KM-100	1976-81	49.5	AC/MO	KA-5525
FC, FE, FX 350	2014-22	88	AC	FL-5745	KX-100	1995-97	52.5	AC	KA-5263
WXC, WXE-410	1991-94	91.5	RS/AC	FL-5376	KX-100	1998-05	52.5	AC	KA-5358
WXC, WXE-410	1995-97	91.5	AC	FL-5325	KX-100	2006-13	52.5	AC	KA-5608
TC, TE-410	1998-01	91.5	AC	FL-5325	KX-100	2014-21	52.5	AC	KA-5779
TC, TE-450	2002-10	97	AC	FL-5547	KX-112	2022	52.5	AC	KA-5779
TC, TE, TXC-449	2011-14	97	AC		KE-125	1980-83	56	AC/L	KA-784
FC, FE, FS, FX 450	2014-22	95	AC	FL-5744	KX-125	1974-77	56	AC/MO	KA-331
AE, TC-500	1985-86	90	RS/MO	FL-950	KX-125	1978-79	56	AC/L	KA-656
FE-501	2014-22	95	AC	FL-5772	KX-125	1980	56	AC/L	KA-680
TE-510	1985-86	91.5	RS/MO	FL-936	KX-125	1981	56	AC/L	KA-717
TC, TE, TX-510	1987-88	91.5	AC	FL-5059	<b>Liquid-Cooled</b>	1982	56	AC/L	KA-737
TC, TE, TXC-510	2004-10	97	AC	FL-5548	KX-125	1983-84	56	AC/L	KA-792
TC, TE-610	1998-10	98	AC	FL-5314	KX-125 KIPS	1985	56	AC/L	KA-855
WMX, WXC-610	1991-95	98	RS/L	FL-5078	KX-125 KIPS (Cyl. No. 1476)	1986	56	AC	KA-945
WMX, WXC-610	1996-97	98	AC	FL-5314	KX-125 KIPS (Cyl. No. 1508)	1987	56	AC	KA-5006
701 ENDURO	2016-19	105	AC	FL-5808	KX-125 (Cyl. No. 1539)	1988	56	AC	KA-5043
<b>ITALJET / INDIAN 2-STROKE</b>									
Mini SE-74	Pre-74	45	RS/L	FL-226	KX-125 (Cyl. No. 1565)	1989	56	AC	KA-5089
Minarelli 70					KX-125 (Cyl. No. 1602)	1990	56	AC	KA-5107
Compact 80	1975	47	RS/L	FL-355	KX-125 (Cyl. No. 1645)	1991	56	AC	KA-5107
<b>KAWASAKI 2-STROKE</b>									
KDX-50	2003-06	41	CC	FL-5492	KX-125 (Cyl. No. 1672)	1992	54	AC	KA-5154
KX-60	1985-03	43	AC	KA-935	KX-125 (Cyl. No. 1687)	1993	54	AC	KA-5179
KX-65 (Cyl. No. 1931)	2000-01	44.5	AC	KA-5431	KX-125 (Cyl. No. 1720)	1994	54	AC	KA-5208
KX-65 (Cyl. No. 1973)	2002-22	44.5	AC	KA5472					
KX-80	78-79	48	AC	KA-672					
KX-80	1980-81	48	AC	KA-735					
KX-80	1982	48	AC	KA-736					
KX-80 Liquid-Cooled	1983	48	AC	KA-791					
KX-80	1984	48	AC	KA-852					
KX-80	1985	48	AC	KA-854					
KX-80	1986-87	48	AC	KA-967					
KX-80	1988-90	48	AC	KA-5041					
KX-80	1991-94	48	AC	KA-5121					
KX-80	1995-97	48	AC	KA-5316					

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>KAWASAKI 2-STROKE [Continued]</b>									
KX-125 (Cyl. No. 1752)	1995	54	AC	KA-5251	KX-250 (Cyl. No. 1686)	1993	66.4	AC	KA-5180
KX-125 (Cyl. No. 1794)	1996	54	AC	KA-5307	KX-250 (Cyl. No. 1722)	1994	66.4	AC	KA-5209
KX-125 (Cyl. No. 1840)	1997	54	AC	KA-5307	KX-250 (Cyl. No. 1751)	1995	66.4	AC	KA-5253
KX-125 (Cyl. No. 1852)	1998	54	AC	KA-5354	KX-250 (Cyl. No. 1793)	1996	66.4	AC	KA-5294
KX-125 (Cyl. No. 1881)	1999	54	AC	KA-5354	KX-250 (Cyl. No. 1835)	1997	66.4	AC	KA-5321
KX-125 (Cyl. No. 1921)	2000	54	AC	KA-5429	KX-250 (Cyl. No. 1851)	1998-99	66.4	AC	KA-5350
KX-125 (Cyl. No. 1939)	2001	54	AC	KA-5451	KX-250 (Cyl. No. 1911)	2000	66.4	AC	KA-5422
KX-125 (Cyl. No. 1960)	2002	54	AC	KA-5473	KX-250 (Cyl. No. 1938)	2001	66.4	AC	KA-5481
KX-125 (Cyl. No. 1978)	2003	54	AC	KA-5485	KX-250 (Cyl. No. 1959)	2002	66.4	AC	KA-5471
KX-125 (Cyl. No. 0013)	2004	54	AC	KA-5570	KX-250 (Cyl. No. 1979)	2003	66.4	AC	KA-5471
KX-125 (Cyl. No. 0026)	2005	54	AC	KA-5570	KX-250 (Cyl. No. 0014)	2004	66.4	AC	KA-5538
KDX-125 (Euro)	1990-95	56	AC/MO	KA-7013	KX-250 (Cyl. No. 0027)	2005-07	66.4	AC	KA-5582
KMX-125 (Euro)	1986-90	54	AC/MO	KA-7006	KX-250 Big Bore to 295cc	1987	73	AC/MO	KA-5007B
KMX-125 (Euro)	1991-95	54	AC/MO	KA-7043	KX-250 Big Bore to 295cc	1988	73	AC/MO	KA-5044B
KDX-175	1980-81	66	AC/MO	KA-681	KX-250 Big Bore to 295cc	1989	73	AC/MO	KA-5090B
KDX-175	1982	66	AC/L	KA-738	KX-250 Big Bore to 295cc	1990	73	AC/MO	KA5122B
KE-175	1978	61.5	CS/MO	KA-5373	KX-250 Big Bore to 295cc	1991	73	AC/MO	KA-5123B
KE-175	1980-82	62.5	AC/L	KA-785	KX-250 Big Bore to 295cc	1992	73	AC/MO	KA-5153B
KDX-200	1983-85	66	AC/L	KA-793	KX-250 Big Bore to 295cc	1993	73	AC/MO	KA-5180B
KDX-200 KIPS	1986-88	66	AC/L	KA-969	KX-250 Big Bore to 295cc	1994	73	AC/MO	KA5209B
KDX-200 Liquid-Cooled	1989-94	66	AC	KA-5086	KX-250 Big Bore to 295cc	1997	73	AC/MO	KA-5321B
KDX-200 Liquid-Cooled	1995-06	66	AC	KA-5252	KX-250 Big Bore to 295cc	1998-99	73	AC/MO	KA-5350B
KDX-200 Big Bore to 240cc	1983-85	72	AC/L	KA-793BB	KX-250 Big Bore to 295cc	2000	73	AC/MO	KA-5422B
KDX-200 KIPS Big Bore to 240cc	1986-88	72	AC/L	KA-969B	KX-250 Big Bore to 295cc	2001	73	AC/MO	KA-5481B
KDX-200 Big Bore to 240cc	1989-94	72	AC/L	KA-5086B	KDX-250	1980-81	70	AC/L	KA-794
KDX-200 Big Bore to 240cc	1995-06	72	AC/L	KA-5252B	KDX-250	1982	70	AC/L	KA-740
KDX-220	1997-05	69	AC	KA-5319	KDX-250	1983-84	70	AC/L	KA-795
KX-250	1974-77	70	AC/L	KA-361	KDX-250 Liquid-Cooled	1991-94	67.4	AC	KA-5079
KX-250	1978	70	AC/L	KA-655	KDX-250 Liquid-Cooled (Euro)	1993-94	67.4	AC	KA-7009
KX-250	1979-81	70	AC/L	KA-662	KE-250	1977-78	66	CI/MO	KA-622
KX-250	1982	70	AC/L	KA-739	F11-E 250	1975	68	CS/MO	KA-255
KX-250	1983-84	70	AC/L	KA-796	F5 350 Big Horn	1970-71	80.5	CS/MO	KA-251
KX-250 KIPS Liquid-Cooled	1985	70	AC/L	KA-859	KDX-400	1979-80	80	AC/L	KA-726
KX-250 KIPS Liquid-Cooled	1986	70	AC/L	KA-949	KX-420	1980-81	83	AC/L	KA-682
KX-250	1987	67.4	AC	KA-5007	KDX-420	1981-82	83	AC/L	KA-682
KX-250	1988	67.4	AC	KA-5044	KDX-450	1981-82	83	AC/L	KA-682
KX-250	1989	67.4	AC	KA-5090					
KX-250	1990	67.4	AC	KA-5122					
KX-250 (Cyl. No. 1643)	1991	67.4	AC	KA-5123					
KX-250 (Cyl. No. 1671)	1992	66.4	AC	KA-5153					

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>KAWASAKI 2-STROKE (Continued)</b>									
KX-450	1973-74	86	CS/MO	KA-193	KLR-600	1984-87	96	RS/MO	KA-861
KX-500	1983	86	AC/L	KA-797A	KL, KLR-650	1987-95	100	RS	KA-5009
KX-500	1984	86	AC/L	KA-797	KL, KLR-650	1996-18	100	RS	KA-5598
KX-500	1985	86	AC/MO	KA-898	KLR-650	2022	100	AC	KA-5838
KX-500 KIPS Liquid-Cooled	1986-87	86	AC/MO	KA-956	KLX-650R	1993-97	100	AC	KA-5226
KX-500 KIPS Liquid-Cooled	1988	86	AC	KA-5008	KLX-650	1993-96	100	RS	KA-5687
KX-500 Liquid-Cooled	1989-04	86	AC	KA-5087	<b>KTM 2-STROKE</b>				
KX-500 Big Bore to 540cc	1986-88	88.5	AC	KA-5008B	50 SX (Cyl. No. 2099)	1996	39	AC/MO	FL-5362
KX-500 Big Bore to 540cc	1989-04	88.5	AC	KA-5087B	50 SX Air-Cooled	1998-01	39	AC	FL-5434
<b>KAWASAKI 4-STROKE</b>									
KLX-110, KLX-110R	2002-22	53	RS	KA-5493	50 SX Air-Cooled	2002-07	39.5	AC	FL-5549
KLX-110 Big Bore to 150cc	2002-22	61	RS	KA-5493B	50 SX Liquid-Cooled	2002-08	39.5	AC	FL-5557
KLX-125	2003-06	57	CI	FL-753	50 SX Liquid-Cooled	2009-22	39.5	AC	FL-5746
KLX-140	2008-22	58	RS	KA-5697	65 SX	1998-02	45	AC	FL-5393
KLX-230, KLX230R	2020-22	67	AC	KA-5825	65 SX, XC	2003-08	45	AC	FL-5550
KL-250, KLR-250 Liquid-Cooled	1984-05	74	RS	KA-5018	65 SX	2009-22	45	AC	FL-5747
KL-250 Super Sherpa	2000-04	72	AC	KA-5432	80 MX	1987-89	48	AC/L	FL-5156
KL-250 Super Sherpa	2009-10	72	AC	KA-5432	85 SX (EURO) Cyl.#47030005000	2014-15	47	AC/L	FL-7049
KLX-250	1979-80	70	RS	KA-663	85 SX, XC	2003-17	47	AC	FL-5551
KLX-250	1994-96	72	AC	KA-5247	85 SX, XC Big Bore to 105cc	2003-17	52	AC	FL-5551B
KLX-250 Big Bore to 310cc	1994-96	80	AC/L	KA5247BB	85 SX	2018-22	47	AC	FL-5796
KLX-250S Liquid-Cooled	2006-14	72	AC	KA-5637	85 SX Big Bore to 105cc	2018-22	52	AC	FL-5796B
KLX-250 Liquid-Cooled	2018-20	72	AC	KA-5637	105 SX, XC	2006-11	52	AC	FL-5552
KX-250F	2004-05	77	AC	KA-5530	125 Penton	1973-75	54	RS/L	FL-650
KX-250F	2006-18	77	AC	KA-5611	125 MX	1981-82	54	RS/MO	FL-7022
KX-250	2019-22	78	AC	KA-5816	125 MX	1984-85	54	AC/MO	FL-920
KX-250X	2021-22	78	AC	KA-5816	125 MX Liquid-Cooled	1987-92	54.25	AC/MO	FL-5151
KX-250F Big Bore to 270cc	2004-05	80	AC	KA-5530B	125 SX, E/XC	1993-94	54.25	AC	FL-5211
KX-250F Big Bore to 270cc	2006-18	80	AC	KA-5611B	125 SX, E/XC	1995-97	54.25	AC	FL-5264
KX-250F Big Bore to 300cc	2004-13	83	AC/MO	KA-5770	125 SX, E/XC	1998	54.25	AC	FL-5388
KLX-300R	1997-07	78	AC	KA-5339	125 SX, E/XC	1999-00	54.25	AC	FL-5404
KLX-300R	2020-22	78	AC	KA-5339	125 SX, E/XC	2001-03	54	AC	FL-5457
KLX-300R Big Bore to 330cc	1997-07	83	AC/MO	KA-5339B	125 SX	2004-06	54	AC	FL-5553
KLX-300, KLX-300SM	2021-22	78	AC	KA-5339	125 SX	2007-15	54	AC	FL-5692
KLX-400R, SR	2003	90	AC	FL-5430	125 SX	2016-22	54	AC	FL-5804
KLX-400R Big Bore to 434cc	2003	94	AC	FL-5430B	125 XC	2021-22	54	AC	FL-5804
KLX-450R	2008-19	96	AC	KA-5607	144 SX	2007-08	56	AC	FL-5684
KX-450F	2006-08	96	AC	KA-5607	150 SX, XC	2009-15	56	AC	FL-5684
KX-450F	2009-18	96	AC	KA-5698	150 SX, XC-W	2016-22	58	AC	FL-5805
KX-450	2019-22	96	AC	KA-5698	150 XC-W TPI	2020-21	58	AC	FL-5805
KX-450X	2021-22	96	AC	KA-5698	175 Penton	1973-75	63.5	N/A	FL-336

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #					
<b>KTM 2-STROKE (Continued)</b>														
250 SX, EXC	1995	67.5	AC	FL-5265	250 SX-F Big Bore to 278cc	2005-12	80	AC	FL-5682B					
250 SX, EXC	1996-97	67.5	AC	FL-5299	250 SX-F, XC-F	2013-21	78	AC	FL-5743					
250 SX, EXC, MXC	1998	67.5	AC	FL-5406	250 XCF-W	2014-16	78	AC	FL-5743					
250 SX, EXC, MXC	1999	67.5	AC	FL-5407	250 EXC-F	2017-19	78	AC	FL-5743					
250 SX, EXC, MXC	2000	66.4	AC	FL-5435	350 EXC-F, XCF-W	2012-16	88	AC	FL-5734					
250 SX, EXC, MXC	2001	66.4	AC	FL-5458	350 EXC-F	2017-21	88	AC	FL-5745					
250 SX	2002	66.4	AC	FL-5478	350 SX-F, XC-F	2011-12	88	AC	FL-5734					
250 EXC, MXC	2002-03	66.4	AC	FL-5478	350 SX-F, XC-F	2013-21	88	AC	FL-5745					
250 SX	2003-04	66.4	AC	FL-5555	400 SX, EXC, MXC, SXC, XC-W	2000-07	89	AC	FL-5436					
250 EXC, MXC	2004	66.4	AC	FL-5555	400 EXC, XC-W	2009-11	95	AC	FL-5744					
250 SX, EXC, XC-W	2005-06	66.4	AC	FL-5600	450 EXC	2003-07	89	AC	FL-5442					
250 SX, XC-W	2007-10	66.4	AC	FL-5693	450 MXC, XC-W	2005-07	89	AC	FL-5442					
250 XC	2007-11	66.4	AC	FL-5693	450 SX	2003-06	95	AC	FL-5556					
250 XC	2012-14	66.4	AC	FL-5748	450 SMR, XC	2005-07	95	AC	FL-5556					
250 SX, XC-W	2011-16	66.4	AC	FL-5748	450 EXC-R	2008-11	95	AC	FL-5556					
250 SX, XC-W	2017-18	66.4	AC	FL-5785	450 SMR	2008-13	97	AC	FL-5638					
250 XC	2018	66.4	AC	FL-5785	450 XC-F	2008-09	97	AC	FL-5638					
250 XC-W TPI	2019	66.4	AC	FL-5785	450 SX-F	2007-12	97	AC	FL-5638					
250 SX, XC	2019	66.4	AC	FL-5811	450 EXC	2010-11	95	AC	FL-5744					
250 SX, XC TPI, XC-W TPI	2020-22	66.4	AC	FL-5811	450 XC-W	2010-16	95	AC	FL-5744					
300 EXC	1990-94	72	AC	FL-5147	450 XC-F	2013-16	95	AC	FL-5744					
300 EXC, MXC	1995	72	AC	FL-5266	450 SX-F, XC-F	2017-21	95	AC	FL-5744					
300 EXC, MXC	1996	72	AC	FL-5315	500 EXC, XC-W	2012-16	95	AC	FL-5772					
300 EXC, MXC	1997-98	72	AC	FL-5408	500 EXC-F	2017-21	95	AC	FL-5772					
300 EXC, MXC	1999-01	72	AC	FL-5410	500 XCF-W	2021	95	AC	FL-5772					
300 EXC, MXC	2002-03	72	AC	FL-5521	505 SX-F, XC-F	2007-09	100	AC	FL-5584					
300 EXC, MXC	2004-05	72	AC	FL-5632	520 SX, EXC, MXC	2000-07	95	AC	FL-5437					
300 XC-W	2006-07	72	AC	FL-5632	525 SX, EXC, MXC, XC-W	2003-07	95	AC	FL-5437					
300 XC, XC-W	2008-11	72	AC	FL-5694	520, 525 Big Bore to 565cc	2000-07	100	AC	FL-5437B					
300 XC, XC-W	2012-16	72	AC	FL-5749	530 EXC-R, XC-W	2008-11	95	AC	FL-5556					
300 XC, XC-W	2017-18	72	AC	FL-5798	620 LC4, EXC	1998-01	101	AC	FL-5396					
300 XC, XC TPI	2019-22	72	AC	FL-5815	625 LC4, SXC	2002-07	101	AC	FL-5396					
300 XC-W TPI	2019	72	AC	FL-5798	640 LC4 DUKE	1998-07	101	AC	FL-5396					
300 XC-W TPI	2020-21	72	AC	FL-5815	690 ENDURO R	2008-21	102	AC	FL-5716					
350 MX	1985	71	RS/MO	FL-923	<b>MAICO / M-STAR 2-STROKE</b>									
350 MX	1987-90	75	AC/L	FL-5157	250 Square Barrel	Pre-70's	67	RS/NA	FL-194					
360 SX, EXC	1996	78	AC	FL-5411	250 Radial	1973-75	67	RS/MO	FL-230					
360 SX, EXC	1997-99	78	AC	FL-5363	250 Wedge	1976-79	67	RS/MO	FL-380					
380 SX, EXC, MXC	1998-02	78	AC	FL-5412	250	1980	67	RS/MO	FL-715					
440 EXC, MXC	1994-96	89	AC/MO	FL-5214	250	1981	67	RS/MO	FL-716					
495 MX Air Cooled	1981	92	CI/MO	FL-5727	250	1982	67	RS/MO	FL-745					
495 MX	1981	92	RS/MO	FL-5681	250 Spider	1983-85	67	RS/L	FL-918					
495 MX	1983-84	92	RS/L	FL-924	GM250	1986	67	AC/L	FL-990					
500 MX	1985-88	89	AC/L	FL-964	MC, RC 250	1995-97	67	AC/L	FL-990					
500 MX	1989-91	89	AC/L	FL-5148	360 Round Barrel	1968	77	RS/L	FL-199					
540 D/XC	1990-92	92	AC/L	FL-5116	360 Square Barrel	1969	77	RS/L	FL-195					
550 MXC	1993-96	92.25	AC/L	FL-5215	400 Early 70's Model	1970	77	RS/L	FL-197					
<b>KTM 4-STROKE</b>														
250 EXC RACING	2001-06	75	AC	FL-5558	400 Radial	1973-78	77	RS/MO	FL-298					
250 SXF, EXC-F, XC-F, XCF-W	2005-09	76	AC	FL-5604	400 Magnum	1979-80	77	RS/L	FL-648					
250 SX-F, XC-F	2010-12	76	AC	FL-5682	450K WR Radial	1973-78	82	RS/MO	FL-299					
250 XCF-W	2010-13	76	AC	FL-5682	450 M1	1979-80	82	RS/MO	FL-687					
250 SX-F Big Bore to 262cc	2005-12	78	AC	FL-5604B										

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>MAICO/M-STAR 2-STROKE (Continued)</b>									
490	1981-82	86.5	RS/MO	FL-720	RM-125 G	1986	54	CI/L	FL-974
490	1983-84	86.5	RS/L	FL-825	Heavy O.D. Repairs Broken Cyl.	1986	54	CS/MO	FL-974H
GM, RC 500	1994-97	86.5	RS/L	FL-825	RM-125 H	1987	54	CI/L	FL-5011
501 Early 70's Model	1970	91.6	RS/L	FL-198	Heavy O.D. Repairs Broken Cyl.	1987	54	CS/MO	FL-5011H
505	1979-80	87.5	RS/MO	FL-5797	RM-125 J	1988	54	CI/L	FL-5049
<b>MONTESA 2-STROKE</b>									
250 Cota	1971	72.5	RS/L	FL-237	Heavy O.D. Repairs Broken Cyl.	1988	54	CS/MO	FL-5049H
250 Cota	1972	72.5	RS/NA	FL-239	RM-125 K	1989	54	CS/L	FL-5092
250 VR Capra	1973-75	70	RS/MO	FL-244	RM-125 L	1990	54	AC	FL-5106
250 VR	1977	70	RS/L	FL-623	RM-125 M,N	1991-92	54	AC	FL-5108
<b>MOTO VILLA 2-STROKE</b>									
250	1975	70	RS/L	FL-342	RM-125 (Cyl. No. 40)	1993	54	AC	FL-5181
450	1976	85	RS/L	FL-387	RM-125 (Cyl. No. 50, 60, 70)	1994-96	54	AC	FL-5255
<b>OSSA 2-STROKE</b>									
250 Phantom GP	1976	72	RS/L	FL-382	RM-125	1997	54	AC	FL-5323
250 Pioneer		72	N/A	FL-254	RM-125	1998-99	54	AC	FL-5346
250 Stiletto MX		72	N/A	FL-245	RM-125	2000-03	54	AC	FL-5420
250 TT Scrambler		72	N/A	FL-167	RM-125 (Cyl. No. 36F, 36F1)	2004-10	54	AC	FL-5532
<b>PUCH 2-STROKE</b>									
125 Flanged Sleeve	70's	55	CS/L	FL-339	RM-125 Big Bore to 144cc	2004-10	58	AC	FL-5532B
175 Flanged Sleeve	1973-74	62	CS/L	FL-368	TM-125	1974	56	N/A	FL-401
<b>SACHS 2-STROKE</b>									
125 Penton, Monark, DKW	70's	54	RS/L	DS-295	TM-125 (EURO)	1999-00	54	AC	FL-7040
125 Penton	1973-74	54	RS/L	FL-5794	185 DT, TC, TS	1974-80	64	CI/MO	FL-7037
250	1970-75	72	CS/L	FL-5353	RM-250	1975-76	70	RS/MO	FL-373
250 Hercules	1976	71.5	RS/MO	FL-5793	RM-250 X	1981	67	CI/L	FL-751
340 TCR, ROKON RT	1974-75	78	RS/L	FL-327	RM-250 Z, D	1982-83	70	CI/L	FL-752
<b>SUZUKI 2-STROKE</b>									
JR-50	1996-06	41	CC	FL-5492	RM-250 E, F	1984-85	70	CI/MO	FL-869
RM-60	2003	43	AC	KA-935	RM-250 G	1986	67	CS/MO	FL-976
RM-65	2003-06	44.5	AC	KA-5472	RM-250	1987	67	AC	FL-5012
RM-80	1976-77	49	CI/MO	FL-632	RM-250	1988	67	AC	FL-5053
RM-80	1981	49	CI/MO	FL-5795	RM-250	1989-90	67	AC	FL-5093
RM-80	1983	49	CI	FL-800	RM-250	1991-92	67	AC	FL-5182
RM-80	1984-85	49	CI	FL-5082	RM-250 (Cyl. No. 40)	1993	67	AC	FL-5182
RM-80 G,H	1986-87	47.5	CI	FL-973	RM-250 (Cyl. No. 50)	1994	67	AC	FL-5217
RM-80 J	1988	47.5	CS	FL-5048	RM-250 (Cyl. No. 60)	1995	67	AC	FL-5256
RM-80 K,L	1989-90	47.5	CS	FL-5091	RM-250	1996	66.4	AC	FL-5295
RM-80	1991-01	47.5	CS	FL-5140	RM-250 (Cyl. No. 10)	1997	66.4	AC	FL-5324
RM-85	2002-22	48	AC	FL-5479	RM-250 (Cyl. No. 20)	1998	66.4	AC	FL-5357
RM-85 Big Bore to 100cc	2002-22	52	AC	FL-5479B	RM-250 (Cyl. No. 30)	1999	66.4	AC	FL-5379
RM-100	2003	52.5	AC	KA-5358	RM-250 (Cyl. No. 40)	2000	66.4	AC	FL-5419
TS-100	1980	50	AC/MO	FL-5571	RM-250 (Cyl. No. 37F0)	2001	66.4	AC	FL-5465
RM-125	1976	56	CI/MO	FL-634	RM-250 (Cyl. No. 37F1)	2002	66.4	AC	FL-5474
RM-125	1977-78	54	CI/MO	FL-635	RM-250 (Cyl. No. 37F2)	2003	66.4	AC	FL-5494
RM-125	1979-80	54	CI/MO	FL-679	RM-250 (Cyl. No. 37F3, 37F4)	2004-05	66.4	AC	FL-5534
RM-125 X Liquid-Cooled	1981	54	CI/L	FL-722	RM-250 (Cyl. No. 37F5)	2006-08	66.4	AC	FL-5629
Heavy O.D. Repairs Broken Cyl.	1981	54	CS/MO	FL-722H	RMX-250 K, L	1991-92	67	AC	FL-5182
RM-125 Z, D	1982-83	54	CI/L	FL-748	RMX-250	1993-98	67	AC	FL-5271
Heavy O.D. Repairs Broken Cyl.	1982-83	54	CS/MO	FL-748H					
RM-125 E, F	1984-85	54	CI/L	FL-900					
Heavy O.D. Repairs Broken Cyl.	1984-85	54	CS/MO	FL-900H					

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>SUZUKI 2-STROKE (Continued)</b>									
RM-250 Big Bore to 295cc	1989-90	73	AC	FL-5093B	TM 125 Cross / Enduro (EURO)	2010-14	54	AC/MO	FL-7048
RM-250 Big Bore to 295cc	1995	73	AC	FL-5256B	<b>YAMAHA 2-STROKE</b>				
TM-250	1968	68	RS/MO	FL-5799	YZ-60	1982	42	CS/MO	YA-370
TM-250	1972	70	CI/MO	FL-646	YZ-65 (Cyl. No. BR8)	2018-22	43.5	AC	YA-5806
RM-370	1976-77	77	CI/MO	FL-374	YZ-80	1974-75		N/A	YA-340
RM-400 (No Boost Port)	1978-79	80	CI/MO	FL-689	YZ-80 (Cyl. No. ITO)	1977	49	CS/MO	YA-669
RM-400 (With Boost Port)	1978-79	80	CI/MO	FL-689-1	YZ-80 (Cyl. No. 5X2)	1982	47	CI/MO	YA-827
RM-400 Enduro	1980-81	85	CI/MO	FL-776	YZ-80 (Cyl. No. 22W)	1983	47	CI/MO	YA-827A
RM-465 X	1981-82	86	CI/MO	FL-755	YZ-80 L (Cyl. No. 39K)	1984	48	CS/MO	YA-888H
RM-500	1983-84	88.5	CI/MO	FL-805	YZ-80 N (Cyl. No. 58T)	1985	48	CS/MO	YA-888H
<b>SUZUKI 4-STROKE</b>									
DR, SP 100	1983-90	51	CS	FL-802	YZ-80 S (Cyl. No. 1LR)	1986	48	CI/MO	YA-978
DR-Z110	2003-06	53	RS	KA-5493	YZ-80 T (Cyl. No. 2HF)	1987	48	CI	YA-5056
DR-Z110 Big Bore to 150cc	2003-06	61		KA-5493B	YZ-80 V, W, B	1988-92	48	CI	YA-5056
DR, SP 125	1982-97	57	CI	FL-753	YZ-80 (Cyl. No. 4ES)	1993-01	47	AC	YA-5183
DR-Z125	2003-22	57	CI	FL-753	YZ-80 Big Bore to 103cc	1993-01	52.5	AC	YA-5476B
DR, SP 200	1986-04	66	CI	FL-975	YZ-85 (Cyl. No. 5PA)	2002-22	47.5	AC	YA-5476
DR-200 SE	2005-13	66	AC	FL-975	YZ-85 (Cyl. No. B4B)	2019-22	47.5	AC	YA-5807
DR, SP 250	1982-88	72	RS	FL-754	YZ-85 Big Bore to 103cc	2002-18	52.5	AC	YA-5476B
DR-250	1991-95	73	CI	FL-5130	DT-100 (Cyl. No. 1T9)	1977-79	52	CI/L	YA-838
DR-Z250	2001-07	73	AC	FL-5130	MX-100	1979-83	52	CI/L	YA-838
DR-Z250 Big Bore to 300cc	2001-07	80	AC	FL-5130B	YZ-100	1982-83	50	CI/MO	YA-633
RM-Z250	2004-18	77	AC	KA-5530	DT-125 (Cyl. No. 10W) EURO	1982-83	56	CI	YA-7021
RM-Z250	2019-21	77	AC	FL-5750	DT-125 Heavy O.D. Repair Sleeve	1982-83	56	CS/MO	YA-7021H
RM-Z250 Big Bore to 270cc	2004-18	80	AC	KA-5530B	DT-125 (Cyl. No. 1GU) EURO	1984-90	56	CI	YA-7020
RM-Z250 Big Bore to 300cc	2004-18	83	AC/MO	KA5770	DT-125 Heavy O.D. Repair Sleeve	1984-90	56	CS	YA-7020H
DR-350	1990-99	79	CI	FL-5112	DT-125R (Cyl. No. 1KT) EURO	1987-92	56	CI	YA-7001
Heavy O.D. allows bore to 385cc	1990-99	79-83	CS	FL-5112H	DT-125R Heavy O.D. Repair Sleeve	1987-92	56	CS/MO	YA-7001H
DR-350 Big Bore to 450cc	1990-99	89	CS/MO	FL-5112B	DT-125 (Cyl. No. 3BN) EURO	1987-92	56	CS	YA-7005
DR-Z400 E, S	2000-22	90	AC	FL-5430	DTR-125 (Cyl. No. 3MB) EURO	1989-96	56	AC/MO	YA-7014
DR-Z400 Big Bore to 434-450cc	2000-22	94	AC	FL-5430B	YZ-125	1974	56	AC/MO	YA-333
RM-Z450	2005	95.5	AC	FL-5601	YZ-125 (Cyl. No. 537)	1975-76	56	CS/MO	YA-357
RM-Z450	2006-07	95.5	AC	FL-5628	YZ-125 (Cyl. No. 1W1)	1977	56	CS/MO	YA-659
RM-Z450 (Cyl. No. 28H0)	2008-20	96	AC	FL-5699	YZ-125 (Cyl. No. 2K6)	1978	56	CS/MO	YA-659
RMX-450Z	2017-19	96	AC	FL-5699	YZ-125 (Cyl. No. 2X3)	1979	56	CS/MO	YA-659
DR, SP 500	1982-84	88	CI/MO	FL-756	YZ-125 (Cyl. No. 3R3, 3N8)	1980	56	CS/MO	YA-693
DR, SP 600	1985-89	94	RS/MO	FL-871	YZ-125 (Cyl. No. 4V2)	1981	56	CS/MO	YA-723
DR-650	1990-95	95	RS/MO	FL-5219	YZ-125 (Cyl. No. 5X4)	1982	56	CI/MO	YA-760
DR-650 S, E	1996-20	100	AC	FL-5309	YZ-125 (Cyl. No. 24X)	1983	56	CI/MO	YA-809
LS-650	1986-98	95	RS/MO	FL-5219	YZ-125 (Cyl. No. 39W)	1984	56	CI/MO	YA-874
V-STROM 650 V-Twin	2004-12	81	AC	FL-5421	YZ-125 (Cyl. No. 55Y)	1985	56	CI/MO	YA-875
V-Strom 650 Big Bore to 744-796	2004-12	86-90	AC	FL-5421B					
V-STROM 1000 V-Twin	2003-12	98	AC	FL-5460					

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Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>YAMAHA 2-STROKE [Continued]</b>									
YZ-125 (Cyl. No. 1LX)	1986	56	CS/MO	YA-979	MX-250 DT-3 (Reed Valve)	1973	70	CS/MO	YA-223
YZ-125 (Cyl. No. 2HG)	1987	56	CS/MO	YA-5014	MX-250B	1975-76	70	CS/MO	YA-364
YZ-125 (Cyl. No. 2VN)	1988	56	CS/MO	YA-5055	WR-250 (Cyl. No. 3JE)	1989	68	CS	YA-5095
YZ-125 (Cyl. No. 3JD)	1989	56	AC	YA-5094	WR-250 (Cyl. No. 3SP)	1990	68	CS	YA-5109
YZ-125 (Cyl. No. 3SR)	1990	56	AC	YA-5120	WR-250 (Cyl. No. 3XK)	1991	68	CS	YA-5119
YZ-125 (Cyl. No. 3XJ)	1991	56	AC	YA-5118	WR-250 (Cyl. No. 4DA)	1992-93	68	AC	YA-5174
YZ-125 (Cyl. No. 4DB)	1992	56	AC	YA-5141	WR-250 (Cyl. No. 4JX)	1994-97	68	AC	YA-5258
YZ-125 (Cyl. No. 4EX)	1993	56	AC	YA-5184	YZ-250	1973-75	70	AC/MO	YA-352
YZ-125 (Cyl. No. 4JY)	1994	54	AC	YA-5257	YZ-250 D, E	1976-78	70	CI/MO	YA-658
YZ-125 (Cyl. No. 4PE)	1995	54	AC	YA-5257	YZ-250F (Cyl. No. 2X4)	1979	70	CI/MO	YA-678
YZ-125 (Cyl. No. 4SS)	1996-98	54	AC	YA-5348	YZ-250 G, H (Cyl. No. 3R4, 4V3)	1980-81	70	CS/MO	YA-695
YZ-125 (Cyl. No. 5ET)	1999	54	AC	YA-5378	YZ-250J (Cyl. No. 5X5)	1982	70	CI/MO	YA-764
YZ-125 (Cyl. No. 5HD)	2000	54	AC	YA-5378	YZ-250K (Cyl. No. 24Y)	1983	68	CI/MO	YA-810
YZ-125 (Cyl. No. 5MV)	2001	54	AC	YA-5378	Heavy O.D. Repair Sleeve	1983	68	CS/MO	YA-810H
YZ-125 (Cyl. No. 5NY)	2002	54	AC	YA-5470	YZ-250L (Cyl. No. 39X)	1984	68	CS/MO	YA-877
YZ-125 (Cyl. No. 5UN)	2003	54	AC	YA-5487	YZ-250N (Cyl. No. 56A)	1985	68	CS/MO	YA-878
YZ-125 (Cyl. No. 5EX)	2004	54	AC	YA-5533	YZ-250S (Cyl. No. 1LU)	1986	68	CS/L	YA-980
YZ-125 (Cyl. No. 1C3)	2005-21	54	AC	YA-5533	YZ-250T (Cyl. No. 2HH)	1987	68	CS/L	YA-5015
YZ-125 Big Bore to 144cc	2005-21	58	BB/MO	YA-5533B	YZ-250U (Cyl. No. 2VM)	1988	68	CS	YA-5054
175 CT-1	1970-71	66	CS/MO	YA-126	YZ-250V (Cyl. No. 3JE)	1989	68	CS	YA-5095
175 CT-2 ENDURO	1972	66	CI/L	YA-362	YZ-250W (Cyl. No. 3SP)	1990	68	CS	YA-5109
DT-175 (Cyl. No. 2A7)	1978	66	CI/L	YA-5344	YZ-250 (Cyl. No. 3XK)	1991	68	AC	YA-5119
IT-175	1977-79	66	CI/MO	YA-649	YZ-250 (Cyl. No. 4DA)	1992	68	AC	YA-5174
IT-175 (Cyl. No. 3R6)	1980-81	66	CI/MO	YA-811	YZ-250 (Cyl. No. 4EW)	1993	68	AC	YA-5185
IT-175 J, K	1982-83	66	CI/MO	YA-832	YZ-250 (Cyl. No. 4JX, 4MX)	1994-95	68	AC	YA-5258
YZ-175 (Cyl. No. 1L8)	1976	66	CI/L	YA-5523	YZ-250 (Cyl. No. 4SR)	1996	68	AC	YA-5296
RT-180 (Cyl. No. 5L9)	1990-98	64.5	CI	YA-5134	YZ-250 (Cyl. No. 4XL)	1997	68	AC	YA-5327
DT-200 (Cyl. No. 3F7)	1988-89	66	CI	YA-5069	YZ-250 (Cyl. No. 4XL)	1998	68	AC	YA-5352
DT-200 (3F7) Big Bore to 236cc	1988-89	72	CS/L	YA-5069B	YZ-250 (Cyl. No. 5CU)	1999-00	66.4	AC	YA-5377
DT-200 YVPS (Cyl. No. 3ET)	1990-92	66	CI	YA-5162	YZ-250 (Cyl. No. 5MW)	2001-02	66.4	AC	YA-5377
DT-200 (3ET) Big Bore to 236cc	1990-92	72	CS	YA-5162B	YZ-250 (Cyl. No. 5UP)	2003-22	66.4	AC	YA-5377
IT-200 (Cyl. No. 43G)	1984-87	66	CS/MO	YA-876	YZ-250X (Cyl. No. BF1)	2016-22	66.4	AC	YA-5377
WR-200 (Cyl. No. 3XP)	1991-95	66.8	AC	YA-5137	YZ-250 Big Bore to 300cc	1999-21	72	BB/MO	YA-5377B
WR-200 Big Bore to 236cc	1991-95	72	AC	YA-5137B	TY-350 N	1985-86	80	AC/L	YA-903
IT-250	1983	68	CS/MO	YA-813	RT2MX-360	1972	80	CS/MO	YA-329
MX-250 DT-1	1968	70	CS/MO	YA-131B	MX-360	1973-74	80	CS/MO	YA-224
MX-250 DT-1	1969	70	CS/MO	YA-160B	YZ-360	1974-75	80	CS/MO	YA-332
MX-250 DT-1	1970	70	CS/MO	YA-127B	IT-400 D,E (Cyl. No. 1W4)	1977-78	85	CI/MO	YA-765

## OFFROAD DIRT-BIKE MX SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>YAMAHA 2-STROKE (Continued)</b>									
IT-400 F (Cyl. No. 2X5)	1979	82	CI/MO	YA-5306	YZ-250F (Cyl. No. 1SM)	2014-18	77	AC	YA-5780
MX-400B	1975-76	85	CS/MO	YA-365	YZ-250F (Cyl. No. B7B)	2019-22	77	AC	YA-5780
YZ-400C (Cyl. No. 510)	1976	85	CI/MO	YA-765	YZ-250FX (Cyl. No. 1SM)	2015-19	77	AC	YA-5780
YZ-400 D, E (Cyl. No. 1W4)	1977-78	85	CI/MO	YA-765	YZ-250FX (Cyl. No. B7B)	2020-22	77	AC	YA-5780
YZ-400F (Cyl. No. 2X5)	1979	82	CI/MO	YA-5306	YZ-250F Big Bore to 270cc	2001-13	80	AC/MO	YA-5536B
YZ-465 (Cyl. No. 3R5, 4V4)	1980-81	85	CS/MO	YA-698	Big Bore 290cc Wet Liner Ductile	2001-13	83	AC/MO	YA-5732
IT-490 (Cyl. No. 26A)	1983-84	87	CS/MO	YA-5527	XT-350, TT-350	1985-00	86	RS/L	YA-902
YZ-490 (Cyl. No. 5X6)	1982	87	CS/MO	YA-766	WR-400F	1998-00	92	AC	YA-5359
YZ-490 (Cyl. No. 23X)	1983	87	CS/MO	YA-766A	YZ-400F	1998-99	92	AC	YA-5359
YZ-490 (Cyl. No. 40T)	1984-86	87	CS/MO	YA-821	WR-426F	2001-02	95	AC	YA-5424
YZ-490 (Cyl. No. 2HJ)	1987-90	87	CS/MO	YA-5016	YZ-426F	2000-02	95	AC	YA-5424
SC-500	1973-74	95	CS/MO	YA-225	WR-450F (Cyl. No. 5TA)	2003-06	95	AC	YA-5495
WR-500 (Cyl. No. 4AA)	1991-93	87	CS	YA-5138	WR-450F (Cyl. No. 2S2)	2007-15	95	AC	YA-5627
<b>YAMAHA 4-STROKE</b>									
TT-R90	2000-07	47	CI	YA-5462	WR-450F (Cyl. No. 1SL)	2016-18	97	AC	YA-5728
TT-R90 Big Bore to 110cc	2007-07	52	CC/MO	YA-5462B	WR-450F (Cyl. No. BR9)	2019-20	97	AC	YA-5728
TT-R110E	2008-21	51	CI	YA-5700	YZ-450F (Cyl. No. 5TA)	2003-05	95	AC	YA-5495
TT-R125	2000-21	54	RS	YA-5426	YZ-450F (Cyl. No. 2S2)	2006-09	95	AC	YA-5627
TT-R125 Big Bore to 145cc	2000-21	58	BB	YA-5426B	YZ-450F (Cyl. No. 33D)	2010-13	97	AC	YA-5728
TW-200	1987-21	67	RS	YA-762	YZ-450F (Cyl. No. 1SL)	2014-17	97	AC	YA-5728
XT-200	1982-87	67	RS	YA-762	YZ-450F (Cyl. No. BR9)	2018-20	97	AC	YA-5728
XT-225	1983-02	70	RS	YA-812	YZ-450FX (Cyl. No. 1SL)	2016-17	97	AC	YA-5728
XT-225 (Cyl. No. 5MP, 5RK)	2001-07	70	AC	YA-5631	YZ-450FX (Cyl. No. BR9)	2018-20	97	AC	YA-5728
TT-225	1986-88	70	RS	YA-812	XT-500, TT-500	1975-81	87	RS/L	YA-375
TT-R225	1999-04	70	RS	YA-812	XT-500, TT-500 Big Bore to 535cc	1975-81	90	BB/MO	YA-375B
TT-R230	2005-17	70	RS	YA-812	Big Bore to 600cc	1975-81	95	BB/MO	YA-375BB
TT-R250	1999-06	73	RS	YA-5400	XT-550	1982-83	92	RS/MO	YA-768
TT, XT-250	1980-83	75	RS/MO	YA-697	TT-600 Sleeve O.D. 4.035"	1983-96	95	AC/RS	YA-814
XT-250	1984-85	73	RS/MO	YA-880	XT-600 Sleeve O.D. 4.035"	1984-96	95	AC/RS	YA-814
XT-250	2008-22	74	AC	YA-5702	Tenere 600 Sleeve O.D. 4.035"	1984-96	95	AC/RS	YA-814
WR-250F (Cyl. No. 5NL)	2001-02	77	AC	YA-5463	XT, TT 600 O.D. 4.125" Big Bore	1983-96	95-98	AC/BB	YA-814BB
WR-250F (Cyl. No. 5UL)	2003	77	AC	YA-5515	XT, TT 600 Big Bore to 101mm	1983-96	101	BB/MO	YA-7028
WR-250F (Cyl. No. 5XC)	2004-13	77	AC	YA-5536	XTZ-660 Tenere (Euro)	1991-97	100	RS	YA-7018
WR-250F Big Bore to 270cc	2001-13	80	AC/MO	YA-5536B	<b>YAMAHA GOLF CART 4-STROKE</b>				
WR-250F (Cyl. No. 1SM)	2015-18	77	AC	YA-5780	Golf Cart Single Air Cooled (JN5)		75	AC	YA-5572
WR-250F (Cyl. No. B7B)	2020-22	77	AC	YA-5780	<b>ZUNDAPP 2-STROKE</b>				
WR-250R/X (Cyl. No. 3D7)	2008-20	77	AC	YA-5701	125	1970	54	AC/L	FL-164
WR-250R/X Big Bore to 275cc	2008-20	81	AC/MO	YA-5701B	125 with Intake Boost Port	1970	54	AC/L	FL-165
YZ-250F (Cyl. No. 5NL)	2001-02	77	AC	YA-5463	125	1972	54	AC/L	FL-268
YZ-250F (Cyl. No. 5UL)	2003	77	AC	YA-5515	125	1973	54	AC/L	FL-269
YZ-250F (Cyl. No. 5XC)	2004-13	77	AC	YA-5536					

# VINTAGE STREET BIKE SLEEVES

**Vintage Street Bike Sleeves are Non-Stocking Items. Made to Order. Call for Pricing and Availability.**

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #					
<b>ARIEL</b>														
500 Single		82	4-Cycle, RS	FL-134	750GT / SS (OAL 5.450")	1973-74	80	4-Cycle, RS	FL-822					
Square 4		65	4-Cycle, RS	FL-184	750GT / SS (OAL 5.620")	1973-74	80	4-Cycle, RS	FL-5786					
<b>BMW</b>														
R50/56 (.062" wall)		67	4-Cycle, CC	T-170	900 Twin	1977-78	86	4-Cycle, RS	FL-5371					
R60/5 (.062"/.093" wall)		73.5	4-Cycle, CS	T/LA-171	<b>ENFIELD</b>									
R60/69 (.062"/.093"/.125" wall)	To 1969	72	4-Cycle, CC	T/LA/L-481	650 (.062" wall)		70	4-Cycle, CC	T-177					
R75/5 (.093" wall)		82	4-Cycle, CC	LA-172	750 (.062" wall)		71	4-Cycle, CC	T-161					
R75/5 (.093" wall) Flanged Type Sleeve		82	4-Cycle, CC	LA-172FL	<b>HARLEY DAVIDSON</b>									
R80ST	1983-87	84.8	4-Cycle, CS	FL-905	45 (.062"/.093"/.125" wall)		2.750"	4-Cycle, CC	T/LA/L-212H					
R90/6 & F (.093" wall)		90	4-Cycle, CI	LA-485	61 (.062"/.093"/.125" wall)		3.312"	4-Cycle, CC	T/LA/L-607H					
R90/6 & F (Flanged for AC Bore)	1975	90	4-Cycle, AC	FL-485	80 Flat Head (.062"/.093" wall)	1936	3.422"	4-Cycle, CC	T/LA-701H					
R100RS	1977-80	94	4-Cycle, CS	FL-906	Stroker 74 (.062"/.093" wall)		3.437"	4-Cycle, CC	T/LA-38X					
R100RS	1981-95	94	4-Cycle, AC	FL-906	Sprint SX350		74	4-Cycle, RS	FL-294					
<b>BSA</b>														
A7 (.062"/.093" wall)		66	4-Cycle, CC	T/LA-482A	XR750	1974-93	3.125"	4-Cycle, RS	FL-354					
A-10 Old Model (.062"/.093" wall)		70	4-Cycle, CC	T/LA-177	XR1000		3.125"	4-Cycle, RS	FL-5133					
Royal Star (.062"/.093" wall)		65.5	4-Cycle, CC	T/LA-174	Sportster 900 H & CH (.062"/.093"/.125" wall)		3.00"	4-Cycle, CC	T/LA/L-30H					
650 - A-65 (.062"/.093"/.125" wall)		75	4-Cycle, CC	T/LA/L-175	XLCH 1000 Sportster 1/16" Wall Flanged Top Sleeve		3.188"	4-Cycle, CC	FL-603H-1					
Rocket 3/A-75		67	4-Cycle, RS	FL-176	XLCH 1000 Sportster 3/32" Wall Flanged Top Sleeve		3.188"	4-Cycle, CC	FL-603H-2					
Starfire/Victor B-25 Twin		67	4-Cycle, RS	FL-180	XLCH 1000 Sportster (.062"/.093"/.125" wall) Non Flanged Type Sleeve		3.188"	4-Cycle, CC	T/LA/L-603H					
B-25 Twin Spigot Top Flange	1969 on	67	4-Cycle, RS	FL-187	<b>HONDA</b>									
Victor Round Barrel Single	1966-67	79	4-Cycle, RS	FL-186	CL / CB / SL100		50	4-Cycle, RS	H-17					
Victor 440 Single Round Barrel	1968	82.5	4-Cycle, CI	FL-5725	XL, CB125	1977-83	56.5	4-Cycle, RS	H-2					
Victor Special (.062"/.093" wall)		79	4-Cycle, CC	T/LA-173	SL 125		56	4-Cycle, RS	H-21					
B-33 (.062"/.093" wall)		85	4-Cycle, CC	T/LA-165	SS/CL 125 Twin		40	4-Cycle, RS	H-16					
Goldstar Single (5 5/8" OAL)		85	4-Cycle, RS	FL-182	CA/CB 160 Twin		50	4-Cycle, RS	H-10					
Goldstar Single (6" OAL)		85	4-Cycle, RS	FL-248	CA/CL 175 Twin		52	4-Cycle, RS	H-14					
<b>CZ - ESO - JAWA</b>														
Speedway 500		88	4-Cycle, RS	FL-267	Scrambler 250		54	4-Cycle, RS	H-11					
Jawa 500		94	4-Cycle, AC	FL-5736	305 CA-77 / CB-77 Twin		60	4-Cycle, RS	H-12					
<b>DUCATI</b>														
125 Single	1959	55	4-Cycle, RS	FL-5576	CL / CB350 Twin		64	4-Cycle, RS	H-13					
160 Monza Jr	1966	61	4-Cycle, RS	FL-192	CB350 4 Cyl.		47	4-Cycle, RS	H-87					
175 SS	1957	62	4-Cycle, RS	FL-323	CB360 Twin	1975-78	67	4-Cycle, RS	H-80					
250	1958-62	69	4-Cycle, RS	FL-5729	CB400 T / T2 / A Twin	1977-80	70.5	4-Cycle, RS	H-4					
250	1968-73	74	4-Cycle, RS	FL-5246	CB400 Four		51	4-Cycle, RS	H-86					
350	1966	76	4-Cycle, RS	FL-5468	CB500 Four	1971-73	56	4-Cycle, RS	H-23					
TT2 600	1984	81	4-Cycle, AC	FL-914	CB550 Four	1975-78	58.5	4-Cycle, RS	H-81					
					CB750 Four	1973-77	61	4-Cycle, RS	H-15					
					CB750 Big Bore	1973-77	67	4-Cycle, RS	H-26					
					CB750 Big Bore	1973-77	70	4-Cycle, RS	H-400					

# VINTAGE STREET BIKE SLEEVES

**Vintage Street Bike Sleeves are Non-Stocking Items. Made to Order. Call for Pricing and Availability.**

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>INDIAN</b>									
Chief (.062"/.093" wall)		3.250"	4-Cycle, CC	T/LA-34R	<b>SUZUKI</b>				
Chief Ductile Iron (.062" wall)		3.250"	4-Cycle, CC	T-34RD	DR, SP370	1978-79	85	4-Cycle, RS	FL-666
Scout (.062"/.093" wall)		2.875"	4-Cycle, CC	T/LA-214R	DR, SP400	1980-82	88	4-Cycle, RS	FL-690
Scout Ductile Iron (.062" wall)		2.875"	4-Cycle, CC	T-214RD	GS425 Twin	1978-79	67	4-Cycle, RS	FL-667
<b>KAWASAKI</b>									
KL250	1978-83	70	4-Cycle, RS	KA-663	GS750 Four	1977-79	65	4-Cycle, RS	FL-637
250 F11 Series	1973-75	68	2-Cycle, CS	KA-255	GT750 Triple (Left, Center)	1974-76	70	2-Cycle, AC	FL-383
KZ400 Twin	1974-79	64	4-Cycle, RS	KA-344	GT750 Triple (Right)	1974-76	70	2-Cycle, AC	FL-384
400 Triple	1974	57	2-Cycle, CS	KA-644	<b>TRIUMPH</b>				
500 H-1 Triple		60	2-Cycle, CS	KA-684	Trophy 250 Twin		67	4-Cycle, RS	FL-180
H-2 750 Triple	1971-73	71	2-Cycle, CS	KA-325	250 Spigot Flange	1969 on	67	4-Cycle, RS	FL-187
H-2 750 Triple	1974	71	2-Cycle, CS	KA-5814	500 Twin (.093" wall)	1946-49	63	4-Cycle, CC	LA-480A
H-2 750 Triple	1975	71	2-Cycle, CS	KA-5817	500 Twin (.062"/.093"/.125" wall)	1964-73	69	4-Cycle, CC	T/LA/L-290
Z-1 900 Four	1973-79	66	4-Cycle, RS	KA-250	500 Twin Old Model Flanged Type Sleeve		63	4-Cycle, RS	FL-185
KZ750 Twin	1976-83	78	4-Cycle, RS	KA-626	500 B-50 Single		84	4-Cycle, RS	FL-234
<b>LAVERDA</b>									
750 SF	1974-75	80	4-Cycle, RS	FL-385	B-50 Big Bore		89	4-Cycle, RS	FL-328
1000 Triple	1974-82	75	4-Stroke, RS/MO	FL-645	650 Bonneville Twin Flanged Type Sleeve		71	4-Cycle, CC	FL-5245
1200 Triple		80	4-Stroke, RS/MO	FL-5261	650 Bonneville Twin (.062"/.093"/.125" wall)		71	4-Cycle, CC	T/LA/L-291
<b>MATCHLESS</b>									
G80	1964	86	4-Cycle	FL-5486	750 Triple		67	4-Cycle, RS	FL-176
G80 Heavyweight Long Stroke	1957-64	82.5	4-Cycle	FL-5522	750 Bonneville Twin (.062"/.093"/.125" wall)		76	4-Cycle, CC	T/LA/L-483
<b>MOTO-GUZZI</b>									
Falcon 500 Blue	1951	88	4-Cycle, RS	FL-5783	<b>VELOCETTE</b>				
V-50 Monza Twin	1974-82	74	4-Cycle, AC	FL-747	Velo 500 (.093 wall)		86	4-Cycle, CI	LA-162
700 Twin		80	4-Cycle, AC	FL-347	Venom 500 Single	1955-70	86	4-Cycle, RS	FL-5819
750 / 850 Ambassador VT		83	4-Cycle, AC	FL-183	<b>VINCENT</b>				
750 / 850 Big Bore Sleeve		88	4-Cycle, AC	FL-369	Vincent		3.312"	4-Cycle, RS	FL-188
Le Mans 850 Twin		83	4-Cycle, RS	FL-665	<b>WESTLAKE</b>				
Le Mans V-1000 Twin	1976-83	88	4-Cycle, RS	FL-378	500		85.6	4-Cycle, RS	FL-724
1000S, SP Twin	1990-93	88	4-Cycle, RS	FL-995	<b>YAMAHA</b>				
<b>NORTON</b>									
500 (.062"/.093" wall)		66	4-Cycle, CC	T/LA-482	TZ125	1978-79	56	2-Cycle, AC	YA-694
500 Manx Short Stroke	1962	86	4-Cycle, CC	FL-5529	XT125	1982-84	57	4-Cycle, RS	YA-761
650 (.062"/.093" wall)		68	4-Cycle, CC	T/LA-142	TZ250 Twin	1978-79	54	2-Cycle, AC	YA-696
Commando 750 (.062"/.093"/.125" wall)		73	4-Cycle, CC	T/LA/L-214C	RD350 Twin	1973-75	64	2-Cycle, CS	YA-350
Commando 850 (.062"/.093" wall)	1973	77	4-Cycle, CC	T/LA-143	350 R5 Twin		64	2-Cycle, RS	YA-363
Dunstall - Norton 810 Twin		76	4-Cycle, RS	FL-227	RD400 Twin	1976-78	64	2-Cycle, CS	YA-641

## STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>APRILIA/ROTX</b>									
125	1986-88	54	2-Stroke, RS/MO	FL-7023	900 R, SD	1980-82	85	4-Stroke, RS/MO	FL-721
125 AF1	1989-94	54	2-Stroke, AC/MO	FL-7003	900 SS, GT	1982-83	85	4-Stroke, RS/MO	FL-721
125 Extrema "Rave" (European, No. 2200)	1995-96	54	2-Stroke, AC/MO	FL-7019	906 Paso, 907 I.E.	1989-93	92	4-Stroke, AC/MO	FL-5098
Pegaso 650	1999-05	100	4-Stroke, AC/MO	FL-7035	900 Super Sport	1993-97	92	4-Stroke, AC/MO	FL-5196
RSV1000 V-Twin (Rotax V990)	1999-11	97	4-Stroke, AC/MO	FL-5680	916 SP	1994-96	94	4-Stroke, AC/MO	FL-5340
RSV1000 Big Bore 1050cc	1999-11	100	4-Stroke, AC/MO	FL-5680B	998R/999R Testastretta Twin Ductile Iron Flanged Sleeve	2002-06	104	4-Stroke, AC/MO	FL-5740
<b>BMW [Flange Type Sleeves]</b>									
F-650, G-650 Single	1995-07	100	4-Stroke, AC	FL-5329	1000 SS DS S2R Twin Air-Cooled	2003-08	94	4-Stroke, AC/MO	FL-5735
F800 Twin Liquid-Cooled	2007-18	82	4-Stroke, AC	FL-5639	1000 SS S4R Twin Liquid-Cooled	2003-10	94	4-Stroke, AC/MO	FL-5719
F750 GS Inline Twin (853cc)	2018-21	84	4-Stroke, AC	FL-5828	<b>DUCATI BIG BORE</b>				
F850 GS Inline Twin (853cc)	2018-21	84	4-Stroke, AC	FL-5828	1000 SS DS S2R Twin to 1170cc	2003-08	102	4-Stroke, AC/MO	FL-5735B
R-100RS	1981-95	94	4-Stroke, AC/MO	FL-906	1000 SS S4R LC Twin to 1100cc	2003-10	100	4-Stroke, AC/MO	FL-5719B
K-1100RS, LT	1993-97	70.5	4-Stroke, MO	FL-5195	<b>HARLEY-DAVIDSON [Flanged Type Sleeves]</b>				
R-1100R, RT, RS, S	1994-05	99	4-Stroke, AC/MO	FL-5228	Street 750 Revolution X V-Twin	2014-21	3.350"	4-Stroke, CI	FL-5830
K1200 GT, LT, R, S 4 Cyl.	2005-09	79	4-Stroke, AC	FL-5641	Street Rod 750 HO Revolution X	2017-21	3.400"	4-Stroke, CI	FL-5831
R1200 Boxer Twin	2007-21	101	4-Stroke, AC	FL-5640	XR-750 Twin	1974-93	3.125"	4-Stroke, RS/MO	FL-354
HP2 Enduro, GS, RT, RnineT R1250 Boxer Twin GS, R, RS, RT	2018-21	102.5	4-Stroke, AC	FL-5829	XR-1000 Twin		3.125"	4-Stroke, RS/MO	FL-5133
<b>CAGIVA</b>									
125 Mito Racing, Super City (European, No. 279) "Rave"		56	2-Stroke, AC/MO	FL-7025	Sportster 900 3-1/8" O.D.		76.2	4-Stroke, CC/MO	FL-30H-1
125 Mito II "Rave" (European, No. 279A)		56	2-Stroke, AC/MO	FL-7026	Sportster 900 3-3/16" O.D.		76.2	4-Stroke, CC/MO	FL-30H-2
125 Mito Replica II	1993	56	2-Stroke, AC/MO	FL-7027	XLH 883 Sportster Evolution	1985-22	76.2	4-Stroke, CI/MO	FL-30H-3
125 Mito Replica II EV	1994-95				Revolution V-Rod Twin 1130cc Finish Honed Bore	2001-08	100	4-Stroke RS/MO	FL-5603
(European, No. 279B) "Rave"	1995-01				FL, FLH, Panhead, Shovelhead 3-9/16" O.D.	1974	3.438"	4-Stroke, CC/MO	FL-38-H1
125 Mito EV, RG, SP	1995-01				FL, FLH, Panhead, Shovelhead 3-5/8" O.D.		3.438"	4-Stroke, CC/MO	FL-38-H2
125 Supercity					XLH 1200 Evolution	1985-22	88.9	4-Stroke, CS	FL-708H-1
125 Planet (European, No. 279E) "Rave"	1995-01				XL 1200 Sportster Evolution	1985-22	88.9	4-Stroke, CS	FL-708H-1
<b>DUCATI</b>									
500	1978-89	78	4-Stroke, RS/MO	FL-5068	XR 1200 Sportster, Roadster	2009-21	88.9	4-Stroke, CS	FL-708H-1
Pantah 600	1981-83	80	4-Stroke, AC/MO	FL-729					
Paso 750 F-1	1985-95	88	4-Stroke, AC/MO	FL-5060					
851-888	1989-92	92	4-Stroke, AC/MO	FL-5097					

# STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>HARLEY-DAVIDSON (FLANGED TYPE SLEEVES) (Continued)</b>									
Revolution V-Rod VRSC V-Twin 76 C.I. 1250cc Finish Honed Bore	2005-13	105	4-Stroke, RS	FL-5414	MB-5		39	2-Stroke, CI	H-837
FLT, FXB, FXRS 1340 Twin Shovelhead, "80"	1978-84	88.9	4-Stroke, CC	FL-708H	MB-5, Big Bore		42.5	Big Bore, CS/MO	H-837B
FL, FDX Evolution 1340 Big Twin	1985-99	88.8	4-Stroke, CS	FL-5330	EZ-90 Cub	1991-97	48	2-Stroke, NA	H-5126
Twin Cam 88 1450cc	1999-06	95.25 3.750"	4-Stroke, CI	FL-5386	CM-90, S-90, CL-90		50	4-Stroke, CC/MO	H-9
Twin Cam 96	2007-16	95.25 3.750"	4-Stroke, CI	FL-5642	NS-125 (European)	1988-90	56	2-Stroke, AC/MO	H-7002
Twin Cam 110	2009-16	101.6 4.00"	4-Stroke,	FL-5704	NS-125R (European)	1991-95	54	2-Stroke, AC/MO	H-7004
Milwaukee Eight 107 C.I. V-Twin	2016-21	3.937"	4-Stroke, CI	FL-5832	NX-125	1988-89	56.5	4-Stroke, MO	H-5038
Milwaukee Eight 114 C.I. V-Twin	2016-21	4.016"	4-Stroke, CI	FL-5833	NX-125 (European)		59.5	2-Stroke, AC/MO	H-7012
Milwaukee Eight 117 C.I. V-Twin	2016-22	4.075"	4-Stroke, CI	FL-5824	CM-200 Twin	1980-83	53	4-Stroke, RS/MO	H-95
<b>HARLEY-DAVIDSON (Straight Type Sleeves)</b>									
Electra Glide 74 1/16" Wall		3.437"	CC	T-38H	CBR-250R	2012-13	76	4-Stroke, AC	H-5742
Electra Glide 74 3/32" Wall		3.437"	CC	LA-38H	CRF-250L	2013-20	76	4-Stroke, AC	H-5742
FLT, FXB, FXRS, 1340 Twin, Shovelhead "80"	1978-84	88.8	CC	T-708H	CM-250 Rebel Twin	1982-87, 1994-07	53	4-Stroke, RS/MO	H-107
<b>HARLEY-DAVIDSON BIG BORE</b>									
XLH-883 Sportster Evolution	1985-22	89	4-Stroke, CS	FL-708H1	CB250T Nighthawk Twin	1990-07			
Revolution V-Rod to 1320cc	2002-08	108	4-Stroke, CS/MO	FL-5590	CN-250G Helix	1986-01	72	4-Stroke, RS/MO	H-959
Evolution 1340 to 1438cc	1985-99	92.1	4-Stroke, CS/MO	FL-5113	NX-250	1988-90	70	4-Stroke, AC	H-5039
S&S 1438cc Evolution Big Bore	1985-99	92.1	4-Stroke, CC/MO	FL-5270	CB-350 Four		47	4-Stroke, RS/MO	H-87
Evolution 1340 to 1540cc	1985-99	96.82	4-Stroke, CS/MO	FL-5588	CB-400 Four		51	4-Stroke, RS/L	H-86
Twin Cam 88 to 1560cc	1999-06	3.875"	4-Stroke, CI/MO	FL-5386B	CB-400F, CB-1 Four	1989-90	55	4-Stroke, RS/MO	H-5100
Twin Cam 88 to 1650cc	1999-06	101.6	4-Stroke, CS/MO	FL-5589	CB, CM-450 Rebel	1981-89	75	4-Stroke, RS	H-108
Milwaukee Eight to 124 C.I.	2016-22	4.250"	4-Stroke, CS/MO	FL-5824B	CRF-450RL	2019-22	96	4-Stroke, AC	H-5801
Milwaukee Eight to 128 C.I.	2016-22	4.312"	4-Stroke, CS/MO	FL-5824B	GB-500	1989-90	92	4-Stroke, RS	H-839
<b>HONDA</b>									
<b>MB-5</b>									
<b>MB-5, Big Bore</b>									
<b>EZ-90 Cub</b>									
<b>CM-90, S-90, CL-90</b>									
<b>NS-125 (European)</b>									
<b>NS-125R (European)</b>									
<b>NX-125</b>									
<b>NX-125 (European)</b>									
<b>CM-200 Twin</b>									
<b>CBR-250R</b>									
<b>CRF-250L</b>									
<b>CM-250 Rebel Twin</b>									
<b>CB250T Nighthawk Twin</b>									
<b>CN-250G Helix</b>									
<b>NX-250</b>									
<b>CB-350 Four</b>									
<b>CB-400 Four</b>									
<b>CB-400F, CB-1 Four</b>									
<b>CB, CM-450 Rebel</b>									
<b>CRF-450RL</b>									
<b>GB-500</b>									
<b>Shadow VLX 583cc V-Twin</b>									
<b>CBR-600 F Four</b>									
<b>CBR-600 F2, F3</b>									
<b>CBR-600 F4 4-Cyl.</b>									
<b>CBR-600 RR</b>									
<b>CBR-600 RR</b>									
<b>CB-650 Four</b>									
<b>CB-650 SC Four</b>									
<b>CB-650F 4-Cyl.</b>									
<b>CB-650R 4-Cyl.</b>									
<b>CBR-650F 4-Cyl.</b>									
<b>CBR-650R 4-Cyl.</b>									
<b>Hawk GT-650 Twin</b>									
<b>NX-650 Dominator</b>									
<b>XR-650L</b>									
<b>CB-700 SC Four</b>									
<b>CTX-700 Twin</b>									
<b>NC-700X Twin</b>									
<b>NT-700V V-Twin</b>									
<b>V-45</b>									
<b>VF-700CF</b>									
<b>VT-700C</b>									
<b>CB-750F</b>									

# STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>HONDA (Continued)</b>									
<b>CBX-750 4-Cyl.</b>	1984-85	67	4-Stroke, RS/MO	H-849	<b>KAWASAKI</b>				
<b>CB-750 Nighthawk</b>	1986-03	67	4-Stroke, RS/MO	H-849	<b>KE-100</b>	1979-83, 86-01	49.5	2-Stroke, AC/MO	KA-786
<b>Shadow VT750 V-Twin</b>	2006-22	79	4-Stroke	H-5654	<b>KE-125</b>	1980-83	56	2-Stroke, AC/MO	KA-784
<b>NC-750X Twin</b>	2018-22	77	4-Stroke, CI	H-5836	<b>KE-175</b>	1980-82	62.5	2-Stroke, AC/MO	KA-785
<b>Interceptor 800 V-4</b>	2008-09	72	4-Stroke, MO	H-5706	<b>Eliminator 125</b>	2001-09	55	4-Stroke, RS	KA-5658
<b>CB-900 4-Cyl.</b>	1979-83	64.5	4-Stroke, RS	H-97	<b>KZ-200</b>	1977-83	66	4-Stroke, RS	KA-673
<b>CB-900F 4-Cyl.</b>	2002-03	71	4-Stroke, CI	H-5516	<b>KLX-230 S/SE</b>	2020-22	67	4-Stroke	KA-5825
<b>CBR-900RR 4-Cyl.</b>	1993-95	70	4-Stroke, CS	H-5199	<b>KR-250</b>	1986-87	56	2-stroke, AC	KA-5030
<b>919 4-Cyl. CBR-900RR</b>	2003-07 1996-99	71	4-Stroke, CI	H-5331	<b>KR1-250</b>	1990-91	56	2-Stroke, AC	KA-5142
<b>CBR-929RR 4-Cyl.</b>	2000-01	74	4-Stroke, AC	H-5441	<b>KZ, KL, KLX-250</b>	1978-83	70	4-Stroke, RS	KA-663
<b>CBR-954RR 4-Cyl.</b>	2002-03	75	4-Stroke	H-5517	<b>KL, KLR-250</b>	1984-05	74	4-Stroke, RS	KA-5018
<b>CBX-1000 6-Cyl.</b>		64.5	4-Stroke, RS/L	H-6	<b>KL-250 Super Sherpa</b>	2000-10	72	4-Stroke, AC	KA-5432
<b>CB-1000 4-Cyl.</b>	1983-84	67	4-Stroke, RS/MO	H-117	<b>KLX-250S/SF</b>	2006-14	72	4-Stroke, AC	KA-5637
<b>CBR-1000 4-Cyl. CB-1000 4-Cyl.</b>	1987-94 1993-95	77	4-Stroke, RS	H-5005	<b>KLX-250</b>	2018-20	72	4-Stroke, AC	KA-5637
<b>CBR-1000RR 4-Cyl.</b>	2004-07	75	4-Stroke	H-5539	<b>Ninja 250R Twin</b>	1986-12	62	4-Stroke, RS	KA-970
<b>CBR-1000RR 4-Cyl.</b>	2008-22	76	4-Stroke, AC	H-5708	<b>KLX-300</b>	1997-07	78	4-Stroke, AC	KA-5339
<b>CBR-1000R, RA</b>	2009-22	76	4-Stroke, AC	H-5708	<b>KZ-305 Twin</b>	1982-88	61	4-Stroke, RS	KA-741
<b>CBR-1000RS 4-Cyl.</b>	2014-19	76	4-Stroke, AC	H-5708	<b>Ninja 400 Twin</b>	2018-22	70	4-Stroke, AC	KA-5837
<b>RC51 V-Twin 1000</b>	2005-06	100	4-Stroke, AC/MO	H-5655	<b>KZ-440 Twin</b>	1980-84	67.5	4-Stroke, RS	KA-683
<b>CB-1100F 4-Cyl.</b>	1983-85	70	4-Stroke, RS/MO	H-118	<b>454-LTD Vulcan Twin</b>	1985-88	72.5	4-Stroke, RS	KA-863
<b>CBR-1100XX 4-Cyl.</b>	1997-03	79	4-Stroke, CI	H-5332	<b>EX-500 Vulcan Twin 500LTD</b>	1987-02 2003-09	74	4-Stroke, RS	KA-5045
<b>ST-1100 4-Cyl.</b>	1996-02	73	4-Stroke, AC	H-5574	<b>Ninja 500R Twin</b>	1996-09	74	4-Stroke, RS	KA-5045
<b>VFR-1200F V-4</b>	2010-14	81	4-Stroke, CI	H-5753	<b>KZ-550, GPZ 4-Cyl. Zephyr</b>	1980-85 1991-96	58	4-Stroke, RS	KA-685
<b>VFR-1200X V-4</b>	2016-17	81	4-Stroke, CI	H-5753	<b>KLR-600 Single</b>	1984-87	96	4-Stroke, RS/MO	KA-861
<b>ST-1300 V-4</b>	2006-18	78	4-Stroke, CI	H-5656	<b>Eliminator 600</b>	1995-97	60	4-Stroke, RS	KA-899
<b>VT-1100 Shadow V-Twin</b>	1986-07	87.5	4-Stroke, CI	H-961	<b>Ninja 600R</b>	1985-97	60	4-Stroke, RS	KA-899
<b>VTX-1300 V-Twin</b>	2006-20	89.5	4-Stroke, CI/MO	H-5657	<b>ZL 600</b>	1986-88	60	4-Stroke, RS	KA-899
<b>VTX-1800 V-Twin</b>	2002-08	101	4-Stroke, CI	H-5573	<b>Ninja ZX-6 ZZR-600</b>	1991-02 2003-04	64	4-Stroke, RS	KA-5129
<b>HONDA BIG BORE</b>									
<b>CB-750 4 Valve to 890</b>	1978-82	67.5	4-Stroke, MO	H-113	<b>Ninja ZX-6R (Flange Depth .200")</b>	1995-99	66	4-Stroke, RS	KA-5272
<b>CB-900 to 985</b>	1979-83	67.5	4-Stroke, MO	H-113	<b>Ninja ZX-6R (Flange Depth .280")</b>	1995-99	66	4-Stroke, RS	KA-5577
<b>CBR-900RR</b>	1996-99	71	4-Stroke, CS	H-5331	<b>Ninja ZX-6R ZZR-600</b>	2000-02 2005-07	66	4-Stroke, AC	KA-5602
<b>CB-1100 Big Block 3.100" O.D.</b>	1983-85	74	4-Stroke, MO	H-123	<b>Ninja ZX-6R</b>	2003-06	68	4-Stroke, AC	KA-5518
<b>VTX-1800 to 1934</b>	2002-08	104.77	4-Stroke	H-5573B	<b>Ninja ZX-6RR</b>	2003-06	67	4-Stroke, AC	KA-5519
					<b>Ninja ZX-6R</b>	2007-12	67	4-Stroke, AC	KA-5519
					<b>Ninja ZX-6R 63cc</b>	2013-22	67	4-Stroke, AC	KA-5755
					<b>Ninja 650R Twin</b>	2006-22	83	4-Stroke, AC	KA-5659
					<b>ER-6N 650 Twin</b>	2009-10	83	4-Stroke, AC	KA-5659
					<b>Versys 650 Twin</b>	2008-22	83	4-Stroke, AC	KA-5659
					<b>Vulcan S 650 Twin</b>	2016-22	83	4-Stroke, AC	KA-5659
					<b>Z650 Twin</b>	2018-22	83	4-Stroke, AC	KA-5659
					<b>KL, KLR-650 Single</b>	1987-95	100	4-Stroke, RS	KA-5009
					<b>KLR-650 Single</b>	1996-18	100	4-Stroke, RS	KA-5598

# STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>KAWASAKI (Continued)</b>									
<b>KLR-650 Single</b>	2022	100	4-Stroke	KA-5838	<b>Ninja ZX-14 4 Cyl.</b>	2006-11	84	4-Stroke, AC	KA-5661
<b>KLX-650R Single</b>	1993-97	100	4-Stroke, AC	KA-5226	<b>Ninja ZX-14R 4-Cyl.</b>	2012-22	84	4-Stroke, AC	KA-5757
<b>KLX-650 Single</b>	1993-96	100	4-Stroke, RS/MO	KA-5687	<b>Use for sleeving one cylinder</b>				
<b>KZ-650 Four</b>	1976-83	62	4-Stroke, RS/MO	KA-625	<b>Set of 4 (2 center, 2 end sleeves)</b>				KA-5757K4
<b>W650 Retro Twin</b>	2000-02	72	4-Stroke, AC/MO	KA-5464	<b>Flanged sleeves with siamese flats</b>				
<b>KZ, ZX, LTD-700</b>		64	4-Stroke, RS/L	KA-862	<b>Use for sleeving all 4 cylinders</b>				
<b>Vulcan 700 Twin</b>	1985	82	4-Stroke, RS/MO	KA-928	<b>Concours 14 4-Cyl.</b>	2008-22	84	4-Stroke, AC	KA-5661
<b>KZ-750E, GP-750</b>	1980-83	66	4-Stroke, RS/MO	KA-686	<b>Use for sleeving one cylinder</b>				
<b>GPZ-750, ZX-750</b>	1983-85	66	4-Stroke, RS/MO	KA-686	<b>Set of 4 (2 center, 2 end sleeves)</b>				KA-5661K4
<b>ZR-7 ZR-7S</b>	2000 2001-03	66	4-Stroke, RS/MO	KA-686	<b>Flanged sleeves with siamese flats</b>				
<b>Vulcan 750 Twin</b>	1986-06	84.9	4-Stroke, RS/MO	KA-971	<b>Use for sleeving all 4 cylinders</b>				
<b>Ninja ZX-750</b>	1987-91	68	4-Stroke, RS	KA-5010	<b>KZ-1300 6-Cyl.</b>	1979-88	62	4-Stroke, RS/MO	KA-664
<b>Ninja ZX-7</b>	1991-95	71	4-Stroke, RS	KA-5189	<b>Vulcan VN-1500 V-Twin</b>	1987-08	102	4-Stroke, RS/MO	KA-5047
<b>Ninja ZX-7R</b>	2000-03	73	4-Stroke, RS	KA-5335	<b>Big Bore to 1600cc</b>		105	4-Stroke, RS/MO	KA-5047B
<b>W800 Twin</b>	2019-22	77	4-Stroke	KA-5839	<b>Vulcan 1600 V-Twin 95 C.I.</b>	2003-08	102	4-Stroke, RS/MO	KA-5662
<b>Vulcan 800 Twin</b>	1995-06	88	4-Stroke, RS/MO	KA-5275	<b>Vulcan 1700 V-Twin 104 C.I.</b>	2009-22	102	4-Stroke, RS	KA-5710
<b>Vulcan 900 V-Twin</b>	2006-22	88	4-Stroke, AC	KA-5660	<b>Vulcan 2000 V-Twin 125 C.I.</b>	2004-09	103	4-Stroke, AC/MO	KA-5663
<b>Ninja GPZ-900R</b>	1984-86	72.5	4-Stroke, RS	KA-863	<b>KAWASAKI BIG BORE</b>				
<b>ZL-900 A1, A2</b>	1985-86	72.5	4-Stroke, RS	KA-863	<b>B = Outside Diameter C = Flange (Lip) Diameter D = Flange Thickness E = Overall Length F = Bottom Skirt O.D.</b>				
<b>Ninja ZX-9R</b>	1994-97	73	4-Stroke, RS/MO	KA-5254	<b>ZX, KZ, GPZ-550</b>		58	4-Cyl /MO	KA-685
<b>Ninja ZX-9R</b>	2000-03	75	4-Stroke, AC	KA-5380	<b>ZN, KZ, GPZ-750</b>	1980-83	66	4-Cyl /MO	KA-686
<b>Z900 948cc 4-Cyl.</b>	2017-22	73.4	4-Stroke, AC	KA-5840	<b>ZX-750-E1, Turbo</b>	1983-85	66	4-Cyl /MO	KA-686
<b>KZ-1000</b>	1976-80	70	4-Stroke, RS	KA-627	<b>GPZ-900R Ninja Eliminator 4-Valve</b>	thru 1986	72.5	4-Cyl / MO	KA-863
<b>KZ-1000</b>	1981-83	69.4	4-Stroke, RS/MO	KA-743	<b>KZ-900, KZ-1000</b>				
<b>Ninja ZG, ZL, ZX-1000A</b>	1986-83	74	4-Stroke, RS	KA-5045	<b>B=3.200/ C=3.415/ D=.165/ E=4.540/ F=3.185</b>		72	4-Cyl /MO	KA-629
<b>Concours</b>	1995-05	74	4-Stroke, RS	KA-5045	<b>B=3.200/ C=3.415/ D=.250/ E=4.560</b>		72	4-Cyl /MO	KA-629-1
<b>Ninja ZX-10 1000B</b>	1988-90	74	4-Stroke, RS/L	KA-972	<b>B=3.200/ C=3.415/ D=.255/ E=4.560</b>		72	4-Cyl MO	KA-629-2
<b>Z1000</b>	2003-08	77.2	4-Stroke, AC	KA-5520					
<b>ZX-10R</b>	2004-07	76	4-Stroke, AC	KA-5542					
<b>Ninja ZX-10R 998c</b>	2008-15	76	4-Stroke, AC	KA-5709					
<b>Ninja ZX-10R 998c</b>	2016-22	76	4-Stroke, AC	KA-5709					
<b>Ninja Z1000 1043cc 4-Cyl.</b>	2011-19	77	4-Stroke, AC	KA-5756					
<b>Ninja 1000SX 1043cc 4-Cyl.</b>	2020-22	77	4-Stroke, AC	KA-5756					
<b>Ninja ZX-11</b>	1990-01	76	4-Stroke, RS/MO	KA-5081					
<b>ZRX-1100</b>	1998-00	76	4-Stroke, RS/MO	KA-5081					
<b>GPZ, ZX, LTD-1100</b>	1981-85	72.5	4-Stroke, RS	KA-744					
<b>GPZ-1100</b>	1995-96	76	4-Stroke, RS/MO	KA-5081					
<b>ZR-1100</b>	1993-94	73.5	4-Stroke, RS/L	KA-5210					
<b>ZRX-1200R</b>	2001-05	79	4-Stroke, AC/MO	KA-5456					
<b>ZZR-1200</b>	2003-05	79	4-Stroke, AC/MO	KA-5456					
<b>ZG-1200 Voyager XII</b>	1987-03	78	4-Stroke, RS/MO	KA-5046					
<b>Ninja ZX-12R</b>	2000-05	83	4-Stroke, AC	KA-5433					

## STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>KAWASAKI BIG BORE (Continued)</b>									
KZ-900, KZ-1000 <b>Big Block</b>					B=3.200/ C=3.415/ D=.165/ E=4.540/ F=3.185		72-75	4-Cyl /MO	KA-629
B=3.350/ C=3.600/ D=.255/ E=4.550		75	4-Cyl /MO	KA-3350	B=3.200/ C=3.415/ D=.255/ E=4.560		72-75	4-Cyl /MO	KA-629-2
B=3.275/ C=3.500/ D=.200/ E=4.540		76	4-Cyl /MO	KA-750	<b>GPZ, KZ Big Block 1497cc</b>				
B=3.275/ C=3.500/ D=.250/ E=4.550		76	4-Cyl /MO	KA-750-1	B=3.550/ C=3.700/ D=.200/ E=4.625		85	4-Cyl /MO	SU-3550
B=3.275/ C=3.500/ D=.255/ E=4.540		76	4-Cyl /MO	KA-750-2	<b>KTM</b>				
B=3.450/ C=3.600/ D=.200/ E=4.540		76	4-Cyl /MO	KA-774	<b>KTM400, LC4, SXC</b>	2000-02	89	4-Stroke, AC	FL-5436
B=3.450/ C=3.600/ D=.200/ E=4.560		80	4-Cyl /MO	KA-773	<b>KTM 620 LC4 E/XC</b>	1994-98	101	4-Stroke, AC	FL-5243
B=3.450/ C=3.600/ D=.250/ E=4.580		80	4-Cyl /MO	KA-773-2	<b>KTM 640 LC4</b>	1999-07	101	4-Stroke, AC	FL-5396
B=3.450/ C=3.600/ D=.255/ E=4.575		80	4-Cyl /MO	KA-773-3	<b>690 Duke, Enduro</b>	2008-17	102	4-Stroke, AC	FL-5716
B=3.460/ C=3.700/ D=.250/ E=4.575		80	4-Cyl /MO	KA-775	<b>690 Duke, Enduro R</b>	2018-22	105	4-Stroke, AC	FL-5808
<b>GPZ-1100</b>	1981-82				<b>790 Duke, Adventure R LC8c Twin</b>	2018-22	88	4-Stroke, AC	FL-5841
B=3.200/ C=3.415/ D=.165/ E=4.540/ F=3.185		72-75	4-Cyl /MO	KA-629	<b>1090 Adventure R V-Twin</b>	2017-19	103	4-Stroke, AC	FL-5842
B=3.200/ C=3.415/ D=.255/ E=4.560		72-75	4-Cyl /MO	KA-629-2	<b>1290 Duke, Adventure R V-Twin</b>	2014-22	108	4-Stroke, AC	FL-5843
<b>GPZ-1100</b>	1981-82				<b>LAVERDA</b>				
B=3.275/ C=3.500/ D=.200/ E=4.540		76-80	4-Cyl /MO	KA-750	<b>1000 Triple</b>	1974-82	75	4-Stroke, RS/MO	FL-645
B=3.275/ C=3.500/ D=.255/ E=4.540		76-80	4-Cyl /MO	KA-750-2	<b>1200 Triple</b>		80	4-Stroke, RS/MO	FL-5261
<b>MOTO-GUZZI</b>									
B=3.200/ C=3.415/ D=.165/ E=4.540/ F=3.185					<b>750 &amp; 850 Ambassador VT</b>		83	4-Stroke, AC/MO	FL-183
B=3.200/ C=3.415/ D=.255/ E=4.560					<b>Big Bore Conversion for 750 &amp; 850</b>		88	AC/MO	FL-369
<b>DR, SP-100</b>	1983-89				<b>Le Mans 1000</b>	1986-88	88	4-Stroke, AC/MO	FL-369
<b>GN, SP, DR-125</b>	1982-97				<b>750 V-Twin</b>	2004-21	80	4-Stroke, AC	FL-5664
<b>TS-125R (European)</b>	1989-95				<b>1100 V-Twin</b>	1995-07	92	4-Stroke, AC	FL-5279
<b>DR, SP-200</b>	1986-04				<b>1200 V-Twin</b>	2005-21	95	4-Stroke, AC	FL-5665
<b>SUZUKI</b>									
<b>DR, SP-100</b>	1983-89				<b>DR, SP-100</b>	1983-89	51	4-Stroke, CS	FL-802
<b>GN, SP, DR-125</b>	1982-97				<b>GN, SP, DR-125</b>	1982-97	57	4-Stroke, CI	FL-753
<b>TS-125R (European)</b>	1989-95				<b>TS-125R</b>	1989-95	56	2-Stroke, CI/MO	FL-7015
<b>DR, SP-200</b>	1986-04				<b>DR, SP-200</b>	1986-04	66	4-Stroke, CI	FL-975
<b>DR-200SE, DR-200S</b>	2005-22				<b>DR-200SE, DR-200S</b>	2005-22	66	4-Stroke, CI	FL-975
<b>GS-250T</b>	1980-82				<b>GS-250T</b>	1980-82	60	4-Stroke, RS/L	FL-688
<b>GN, DR, SP-250</b>	1982-88				<b>GN, DR, SP-250</b>	1982-88	72	4-Stroke, RS/MO	FL-754
<b>DR 250S</b>	1990-95				<b>DR 250S</b>	1990-95	73	4-Stroke, CI	FL-5130
<b>GZ-250</b>	1999-09				<b>GZ-250</b>	1999-09	72	4-Stroke, RS	FL-5398

# STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>SUZUKI (Continued)</b>									
<b>RG-250 Gamma</b>	1984-85	54	2-Stroke, CS/L	FL-870	<b>GS-850</b>	1978-83	69	4-Stroke, RS/MO	FL-668
<b>RGV-250 (Euro-Australia)</b>	1989	56	2-Stroke, AC/MO	FL-7010	<b>RF-900R</b>	1994-97	73	4-Stroke, RS/L	FL-5227
<b>RGV-250 (Euro-Australia)</b>	1990	56	2-Stroke, AC/MO	FL-7011	<b>GS-1000</b>	1978-82	70	4-Stroke, RS/MO	FL-654
<b>TU-250X</b>	2009-19	72	4-Stroke, AC	FL-5758	<b>GS-1000 Katana</b>	1982-83	69.4	4-Stroke, RS	FL-759
<b>DR-350</b>	1990-99	79	4-Stroke, CI	FL-5112	<b>SV-1000 V-Twin</b>	2003-07	98	4-Stroke, AC	FL-5460
<b>DR-350 Heavy O.D. allows bore size to 83mm</b>	1990-99	79-83	4-Stroke, CS	FL-5112H	<b>TL-1000R, S</b>	1997-03	98	4-Stroke, AC	FL-5460
<b>DR-Z400, E, S</b>	2000-22	90	4-Stroke, AC	FL-5430	<b>V-STROM 1000 V-Twin</b>	2003-12	98	4-Stroke, AC	FL-5460
<b>DR, SP-400</b>	1980-82	88	4-Stroke, RS/MO	FL-690	<b>V-STROM 1000 V-Twin</b>	2014-19	100	4-Stroke, AC	FL-5844
<b>GSF-400 Four</b>	1990-94	56	4-Stroke, RS/L	FL-5131	<b>V-STROM 1050 V-Twin</b>	2020-21	100	4-Stroke, AC	FL-5844
<b>GS-450</b>	1980-88	71	4-Stroke, RS/L	FL-691	<b>GSX-R1000 4-Cyl.</b>	2001-04	73	4-Stroke, AC/MO	FL-5461
<b>GS-500 Twin</b>	1989-09	74	4-Stroke, RS/MO	FL-5099	<b>GSX-R1000 4-Cyl.</b>	2005-08	73.4	4-Stroke, AC	FL-5644
<b>RG-500 Gamma</b>	1986-87	56	2-Stroke, CI/L	FL-5031	<b>GSX-R1000 4-Cyl.</b>	2009-16	74.5	4-Stroke, AC	FL-5712
<b>GS-550</b>	1977-82	56	4-Stroke, RS/L	FL-636	<b>GSX-R1000 4-Cyl.</b>	2017-22	76	4-Stroke, AC	FL-5821
<b>GS-550 Katana</b>	1983-86	60	4-Stroke, RS/L	FL-806	<b>GSX-S1000</b>	2016-22	73.4	4-Stroke, AC	FL-5644
<b>GSX-600 F Katana</b>	1988-06	62.6	4-Stroke, RS	FL-5050	<b>GS-1100</b>	1979-82	72	4-Stroke, RS/MO	FL-692
<b>GSF-600 S Bandit</b>	1996-03	62.6	4-Stroke, RS	FL-5050	<b>GSX-R1100</b>	1986-88	76	4-Stroke, RS/MO	FL-954
<b>GSX-R600</b>	1992-93	65	4-Stroke, RS	FL-5218	<b>GSX-1100 F, G Katana</b>	1988-93	78	4-Stroke, RS (3 req.)	FL-5052
	1997-00	65.5	4-Stroke, AC	FL-5333		Clearance	Notched	(1 req.)	FL-5052N
	2001-05	67	4-Stroke, AC	FL-5459	<b>GSX-R1100</b>	1989-92	78	4-Stroke, RS/MO	FL-5110
	2006-22	67	4-Stroke, AC	FL-5818		1993-98	75.5	4-Stroke, RS/MO	FL-5220
<b>GF-600R</b>	1994-96	65	4-Stroke, RS	FL-5218	<b>GS-1150</b>	1984-86	74	4-Stroke, RS/MO	FL-872
<b>SP-600</b>	1985	94	4-Stroke, RS/MO	FL-871	<b>GSF-1200 S Bandit</b>	1996-09	79	4-Stroke, RS	FL-5334
<b>DR-650SE</b>	1993-95	95	4-Stroke, RS	FL-5219	<b>Bandit 1250, GSX-1250FA 4-Cyl.</b>	2007-16	79	4-Stroke, RS	FL-5645
<b>DR-650SE, S</b>	1996-22	100	4-Stroke, AC	FL-5309	<b>GSX-1300 R Hayabusa</b>	1999-07	81	4-Stroke, AC	FL-5399
<b>Gladius 650 Twin</b>	2009	81	4-Stroke, AC	FL-5421	<b>GSX-1300 R Hayabusa Set of 4 (2 center, 2 end sleeves) Flanged Closed Deck Ductile Iron</b>	1999-07	81-84	4-Stroke, AC	FL-5399 CDX4
<b>SV-650 V-Twin</b>	1999-22	81	4-Stroke, AC	FL-5421	<b>Hayabusa 1340</b>	2008-21	81	4-Stroke, AC	FL-5713
<b>V-STROM 650 V-Twin</b>	2004-22	81	4-Stroke, AC	FL-5421	<b>Hayabusa 1340 Set of 4 (2 center, 2 end sleeves) Flanged Closed Deck Ductile Iron</b>	2008-21	81-84	4-Stroke, AC	FL-5713 CDX4
<b>SV-650 Big Bore V-STROM 650 Big Bore</b>	1999-22	87-90	4-Stroke, CS	FL-5421B	<b>Boulevard S40 40 C.I.</b>	2005-19	94	4-Stroke, CI	FL-5646
<b>GSX-650F 4-Cyl.</b>	2008-09	65.50	4-Stroke, AC/MO	FL-5711	<b>Boulevard C50, M50, S50 V-Twin 50 C.I.</b>	2005-22	83	4-Stroke, CI	FL-5647
<b>GS-650, XN-85 Four</b>	1982-85	62	4-Stroke, RS	FL-757	<b>Boulevard S83 V-Twin 83 C.I.</b>	2005-09	94	4-Stroke, AC	FL-5648
<b>GR-650</b>	1983	77	4-Stroke, RS/L	FL-807	<b>Boulevard C90 V-Twin 90 C.I.</b>	2005-22	96	4-Stroke, AC	FL-5649
<b>GS-700E</b>	1984-85	67	4-Stroke, RS/MO	FL-867	<b>Boulevard M109R V-Twin 109 C.I.</b>	2006-22	112	4-Stroke, AC	FL-5650
<b>GS-750</b>	1980-82	67	4-Stroke, RS/MO	FL-714					
<b>GS-750 X Katana</b>	1983	67	4-Stroke, RS/L	FL-808					
<b>GSX-750 F Katana</b>	1992-97	73	4-Stroke, RS	FL-5051					
	1998-06	70	4-Stroke, MO	FL-5383					
<b>GSX-R750 4-Cyl.</b>	1986-87	70	4-Stroke, RS/MO	FL-946					
	1988-89	73	4-Stroke, RS	FL-5051					
	1990-92	70	4-Stroke, RS	FL-5132					
	1993-95	70	4-Stroke, RS	FL-5170					
	1996-05	72	4-Stroke, AC	FL-5289					
	2006-22	70	4-Stroke, AC	FL-5643					
<b>GSX-S750 4-Cyl.</b>	2016-19	72	4-Stroke, AC	FL-5289					

# STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>SUZUKI BIG BORE</b>									
<b>B = Outside Diameter C = Flange (Lip) Diameter D = Flange Thickness</b>									
<b>E = Overall Length F = Bottom Skirt O.D.</b>									
<b>GS-750</b>	1980-82	67	4-Cyl /MO	FL-714	<b>GSX-R1100</b>				
<b>GSXR-750</b>					<b>Big Block</b>				
B=3.150/ C=3.295/ D=.240/ E=3.915/ F=3.135	1986-87	73	4-Cyl /MO	FL-947	B=3.275/ C=3.500/ D=.250/ E=4.575	1979-82	75	4-Cyl /MO	KA-750-5
B=3.190/ C=3.390/ D=.240/ E=3.915	1990-95	73	4-Cyl /MO	FL-5175	B=3.275/ C=3.500/ D=.200/ E=4.575	1979-82	76-80	4-Cyl /MO	KA-750
B=3.150/ C=3.425/ D=1.615/ E=3.915	1993-95	76	4-Cyl /MO	FL-5285	B=3.275/ C=3.500/ D=.250/ E=4.550	1979-82	76-80	4-Cyl /MO	KA-750-1
<b>GS-1000</b>					B=3.275/ C=3.500/ D=.255/ E=4.580	1979-82	76-80	4-Cyl /MO	KA-750-2
B=3.275/ C=3.500/ D=.250/ E=4.575	1978-82	75		KA-750-5	B=3.450/ C=3.600/ D=.200/ E=4.575	1979-82	80	4-Cyl /MO	KA-773
<b>GSX-R1100</b>	1986-88	76	4-Cyl /MO	FL-954	B=3.450/ C=3.600/ D=.250/ E=4.575	1979-82	80	4-Cyl /MO	KA-773-2
B=3.450/ C=3.650/ D=.250/ E=4.400	1986-88	80-83	4-Cyl /MO	FL-5117	B=3.450/ C=3.600/ D=.255/ E=4.575	1979-82	80	4-Cyl /MO	KA-773-3
B=3.450/ C=3.600/ D=.250/ E=4.575	1986-88	80-83	4-Cyl /MO	KA-773-2	B=3.460/ C=3.700/ D=.250/ E=4.575	1979-82	80	4-Cyl /MO	KA-775
B=3.450/ C=3.600/ D=.255/ E=4.575	1986-88	80-83	4-Cyl /MO	KA-773-3	B=3.600/ C=3.700/ D=.250/ E=4.625	1979-82	83-85	4-Cyl /MO	SU-3600
<b>GSX-R1100</b>					B=3.650/ C=3.700/ D=.250/ E=4.575	1979-82	87	4-Cyl /MO	OE-3650
<b>Big Block</b>					<b>GSXR-1100</b>	1993-98	79.5	4-Cyl /MO	FL-5338
B=3.550/ C=3.700/ D=.255/ E=4.600	1979-92	83-85	4-Cyl /MO	SU-3552	<b>GS-1150</b>				
B=3.450/ C=3.650/ D=.255/ E=4.400	1989-92	80-83	4-Cyl /MO	FL-5117	<b>Big Block</b>				
B=3.550/ C=3.700/ D=.250/ E=4.620	1979-92	83-85	4-Cyl /MO	SU-3551	B=3.275/ C=3.500/ D=.200/ E=4.575	thru 1986	76-80	4-Cyl /MO	KA-750
B=3.550/ C=3.700/ D=.200/ E=4.625	1979-92	84-85	4-Cyl /MO	SU-3550	B=3.275/ C=3.500/ D=.250/ E=4.550	thru 1986	76-80	4-Cyl /MO	KA-750-1
B=3.550/ C=3.700/ D=.255/ E=4.300	1989-92	85	4-Cyl /MO	SU-3553	B=3.275/ C=3.500/ D=.255/ E=4.540	thru 1986	76-80	4-Cyl /MO	KA-750-2
					B=3.350/ C=3.600/ D=.255/ E=4.550	thru 1986	76	4-Cyl /MO	SU-3350-1

## STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #
B=3.450/ C=3.600/ D=.200/ E=4.575	thru 1986	80	4-Cyl /MO	KA-773
B=3.450/ C=3.600/ D=.250/ E=4.575	thru 1986	80	4-Cyl /MO	KA-773-2
B=3.450/ C=3.600/ D=.255/ E=4.575	thru 1986	80	4-Cyl /MO	KA-773-3
B=3.550/ C=3.700/ D=.250/ E=4.625	thru 1986	83-85	4-Cyl /MO	SU-3551
B=3.550/ C=3.700/ D=.255/ E=4.600	thru 1986	83-85	4-Cyl /MO	SU-3552
B=3.550/ C=3.700/ D=.200/ E=4.625	thru 1986	84-85	4-Cyl /MO	SU-3550
B=3.600/ C=3.700/ D=.250/ E=4.625	thru 1986	83-85	4-Cyl /MO	SU-3600
B=3.600/ C=3.700/ D=.255/ E=4.600	thru 1986	83-85	4-Cyl /MO	SU-3600-1
B=3.650/ C=3.700/ D=.250/ E=4.575		87	4-Cyl /MO	OE-3650

### TRIUMPH

LASCO flanged replacement sleeves are +.003 O.D. larger than factory Triumph stock sleeves.

<b>675 Triple Liquid-Cooled</b>	2006-09	74	4-Stroke	FL-5651
<b>800 Twin</b>	2001-05	86	4-Stroke	FL-5480
<b>865 Twin</b>	2005-14	90	4-Stroke	FL-5652
<b>885 Triple Liquid-Cooled</b>	1998-04	76	4-Stroke	FL-5446
<b>955i Triple Liquid Cooled Finished Hone Bore</b>	1990-01	79	4-Stroke, RS	FL-5703
<b>1200 Trophy 4-Cyl.</b>	1999-03	76	4-Stroke, RS	FL-5446

### VESPA

<b>Vespa 250</b>		66.5	2-Stroke, AC/L	FL-5188
<b>YAMAHA</b>				
<b>YSR-50</b>	All Years	40-44	2-Stroke, CC/L	YA-5269
<b>DT-125LC, RD-125LC</b>	1982-83	56	2-Stroke, CI/MO	YA-7021
<b>DT-125LC YPVS, RD-125LC YPVS</b>	1984-90	56	2-Stroke, CI/MO	YA-7020
<b>DT-125R (No. 1KT European)</b>	1987-92	56	2-Stroke, CI/MO	YA-7001

### YAMAHA [Continued]

<b>DT-125 (No. 3BN European)</b>	1988	56	2-Stroke, CS/MO	YA-7005
<b>DTR-125 (No. 3MB European)</b>	1989-94	56	2-Stroke, CS/MO	YA-7014
<b>DTR-125</b>	1994-95	56	2-Stroke, AC/MO	YA-7014
<b>TZR-125 (No. 2RH, 2RL, 4GM)</b>	1987-92	56.4	2-Stroke, CI/MO	YA-7001
<b>TZR-125 (No. 4FL)</b>	1993-95	56	2-Stroke, AC/MO	YA-7014
<b>TZR-125 (No. 4FU)</b>		56	2-Stroke, AC/MO	YA-7041
<b>XT-125</b>	1982-84	57	4-Stroke, RS/MO	YA-761
<b>SDR-200 YVPS (No. 2TV)</b>	1988-89	66	2-Stroke, CI/L	YA-5070
<b>Big Bore to 240cc (Head Mod. Req.)</b>		72	CS/L	YA-5070B
<b>TW-200</b>	1987-22	67	4-Stroke, RS	YA-762
<b>XT-200</b>	1982-87	67	4-Stroke, RS	YA-762
<b>XT-225</b>	1983-00	70	4-Stroke, RS	YA-812
<b>XT-225</b>	2001-07	70	4-Stroke, AC	YA-5631
<b>XT, SR-250</b>	1980-83	75	4-Stroke, RS/MO	YA-697
<b>XT-250</b>	1984-85	73	4-Stroke, RS/MO	YA-880
<b>XT-250</b>	2008-22	74	4-Stroke, AC	YA-5702
<b>WR-250R/X (No. 37D)</b>	2008-20	77	4-Stroke, AC	YA-5701
<b>Virago 250 V-Twin</b>	1995-07	49	4-Stroke, CI	YA-5760
<b>V-Star 250 V-Twin (No. 3BG)</b>	2008-22	49	4-Stroke, CI	YA-5760
<b>RZ-350 (No. 48H)</b>	1984-85	64	2-Stroke, CI	YA-881
<b>XT-350</b>	1985-00	86	4-Stroke, RS	YA-902
<b>FZR-400 Four</b>	1988-89	56	4-Stroke, RS	YA-5057
<b>XS-400</b>	1979-83	69	4-Stroke, RS/MO	YA-670
<b>XT, TT-500C</b>	1975-82	87	4-Stroke, RS	YA-375
<b>Big Bore to 535cc</b>		90		YA-375B
<b>SR-500 (European 1980-86)</b>	1978-82	87	4-Stroke, RS	YA-375
<b>Virago 500</b>	1983-85	73	4-Stroke, RS/L	YA-815
<b>RZV-500</b>	1984-87	56	2-Stroke, CS	YA-883R
			2 rear cyls	YA-884F
			2 front cyls	YA-884F
<b>Virago V-535</b>	1987-00	76	4-Stroke, RS	YA-5026
<b>XT-550</b>	1982-83	92	4-Stroke, RS/MO	YA-768
<b>550 Vision</b>	1982-85	80	4-Stroke, RS	YA-769
<b>550 Seca, Maxim Four</b>	1981-83	57	4-Stroke, RS/MO	YA-770
<b>SRX-600</b>	1985-95	95	4-Stroke, AC	YA-814
<b>Big Bore to 620cc</b>		98		YA-814BB
<b>Big Bore to 640cc</b>		101		YA-7028
<b>FZ, YX, FJ, XJ-600, Seca II</b>	1984-97	58.5	4-Stroke, RS/MO	YA-885
<b>FZR-600</b>	1989-99	59	4-Stroke, RS/L	YA-5096
<b>YZF-600R</b>	1994-07	62	4-Stroke, RS/MO	YA-5259

## STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>YAMAHA [Continued]</b>									
YZF-R6	1999-05	65.5	4-Stroke, AC	YA-5401	XSR-900	2016-21	78	4-Stroke, AC	YA-5847
YZF-R6S	2003-09	65.5	4-Stroke, AC	YA-5401	Triple 847cc Liquid-Cooled				
FZ6	2004-09	65.5	4-Stroke, AC	YA-5401	XSR-900	2022	78	4-Stroke, AC	YA-5848
FZ6R	2009-17	65.5	4-Stroke, AC	YA-5401	Triple 890cc Liquid-Cooled				
YZF-R6 Center Sleeve	2006-20	67	4-Stroke, AC	YA-5667C	XJ-900 Seca	1983-84	67	4-Stroke, RS/MO	YA-816
YZF-R6 End Sleeve	2006-20	67	4-Stroke, AC	YA-5667E	XV-920 Virago Twin	1981-83	92	4-Stroke, RS/MO	YA-772
XS-650 Twin	1972-85	75	4-Stroke, RS	YA-128	V-Star 950 V-Twin	2009-17	85	4-Stroke, AC	YA-5762
Big Bore to 750cc		80		YA-132	Bolt 950 V-Twin	2014-22	85	4-Stroke, AC	YA-5762
XJ-650	1980-85	63	4-Stroke, RS/MO	YA-699	FZR-1000	1987-88	75	4-Stroke, RS/MO	YA-5027
XJ-650 Turbo	1982-83	63	4-Stroke, RS/MO	YA-5720		1989-95	75.5	4-Stroke, RS/MO	YA-5083
V-Star 650 V-Twin 40 C.I.	1999-16	81	4-Stroke, RS	YA-5427	FZ1	2001-05	74	4-Stroke, AC	YA-5501
SZR-660 XTZ-660	1996 1991-96	100	4-Stroke, RS	YA-7018	FZ1, FZS-1000	2006-07	77	4-Stroke, AC	YA-5540
FZ-700 Maxim, Fazer	1985-87	68	4-Stroke, RS/L	YA-891	FZ10 4-Cyl. 998cc	2017	79	4-Stroke, AC	YA-5849
XJ-700 Maxim	1986	68	4-Stroke, RS/L	YA-982	GTS-1000	1994-95	75.5	4-Stroke, RS	YA-5083
XV-700 Virago	1984-87	80	4-Stroke, RS/MO	YA-890	MT10 4-Cyl. 998cc	2018-22	79	4-Stroke, AC	YA-5849
FZ07 Twin 689cc	2015-17	80	4-Stroke, AC	YA-5846	YZF-1000R	1997	75.5	4-Stroke RS	YA-5083
MT-07 Twin 689cc	2018-22	80	4-Stroke, AC	YA-5846	YZF-R1	1998-03	74	4-Stroke, AC	YA-5501
Tenere 700 Twin 689cc	2021-22	80	4-Stroke, AC	YA-5846	YZF-R1	2004-08	77	4-Stroke, AC	YA-5540
XSR-700 Twin 689cc	2017-22	80	4-Stroke, AC	YA-5846	YZF-R1	2009-14	78	4-Stroke, AC	YA-5715
YZF-R7 Twin 689cc	2022	80	4-Stroke, AC	YA-5846	YZF-R1	2015-22	79	4-Stroke, AC	YA-5849
FZ-750, FZR	1986-89	68	4-Stroke, RS/L	YA-953	XV1100 Virago Twin	1986-99	95	4-Stroke, RS	YA-983
TX-750 Twin		80	4-Stroke, RS/MO	YA-351	XVS-1100 V-Star, V-Twin 65 C.I.	1999-09	95	4-Stroke, AC	YA-5759
XJ-750 Seca	1980-85	65	4-Stroke, RS/MO	YA-771	XS-1100 4-Cyl.	1979-83	71.5	4-Stroke, RS/MO	YA-671
XV-750 Virago Twin	1981-97	83	4-Stroke, RS/MO	YA-725	FJ-1100	1984-85	74	4-Stroke, RS/MO	YA-887
OWOI-750	1990-92	72	4-Stroke, RS	YA-5115	FJ-1200	1986-93	77	4-Stroke, RS/L	YA-984
YZF-750R	1989-97	72	4-Stroke, RS	YA-5115	Venture 1200 V-4	1983-85	76	4-Stroke, RS	YA-817
FZ8 4-Cyl Liquid-Cooled	2012-13	68	4-Stroke, AC	YA-5761	V-Max 1200 V-4	1985-07	76	4-Stroke, RS	YA-817
XS-850 3-Cyl.	1980-83	71.5	4-Stroke, RS/MO	YA-671	Super Tenere 1200 Twin	2012-22	98	4-Stroke, AC	YA-5763
TDM-850 Twin	1989-96	89.5	4-Stroke, MO	YA-5224	Stryker 1300 V-Twin 80 C.I.	2012-17	100	4-Stroke, AC	YA-5764
FJ09 Triple 847cc Liquid-Cooled	2015-17	78	4-Stroke, AC	YA-5847	V-Star 1300 V-Twin 80 C.I.	2007-17	100	4-Stroke, AC	YA-5764
FZ09 Triple 847cc Liquid-Cooled	2014-17	78	4-Stroke, AC	YA-5847	XV-1300 Venture, Royal Star V-4	1986-13	79	4-Stroke, RS	YA-5017
MT09 Triple 847cc Liquid-Cooled	2018-20	78	4-Stroke, AC	YA-5847	FJR-1300 In-Line 4-Cyl.	2003-22	79	4-Stroke, AC	YA-5541
MT09 Triple 890cc Liquid-Cooled	2021-22	78	4-Stroke, AC	YA-5848	Roadstar 1600 V-Twin	1993-04	95	4-Stroke, AC	YA-5428
Niken GT Triple 847cc Liq. Cooled	2019	78	4-Stroke, AC	YA-5847	Big Bore to 1775cc		100	MO	YA-5428B
Tracer 900 GT Triple 847cc	2019-20	78	4-Stroke, AC	YA-5847	Roadstar 1700 V-Twin 102 C.I. Warrior 1700	2002-14	97	4-Stroke, AC	YA-5668
Tracer 900 GT Triple 890cc	2021-22	78	4-Stroke, AC	YA-5848	Roadstar 1850 V-Twin 113 C.I. Stratoliner 1850, Raider, Star Venture	2006-07	100	4-Stroke, AC	YA-5669

## STREET BIKE SLEEVES

Model	Year	Size (mm)	Type	Sleeve Part #	Model	Year	Size (mm)	Type	Sleeve Part #
<b>YAMAHA BIG BORE</b>									
<b>B = Outside Diameter C = Flange (Lip) Diameter D = Flange Thickness</b>									
<b>E = Overall Length F = Bottom Skirt O.D.</b>									
<b>XS-650</b>									
B=3.400/ C=3.620/ D=.205/ E=5.530/ F=3.350	1972-85	80	Twin	YA-132					
<b>FZR-1000</b>									
B=3.250/ C=3.405/ D=.195/ E=3.812	1989-97	78	4-Cyl / MO	YA-5067					
<b>FJ-1100 4-Valve</b>	1984-85								
<b>FJ-1200 4-Valve</b>	1986-93								
B=3.232/ C=3.540/ D=.200/ E=4.370/ F=3.206		77	4-Cyl / MO	YA-984					
<b>FJ-1100, FJ-1200</b>									
B=3.390/ C=3.540/ D=.200/ E=4.365		79	4-Cyl / MO	YA-991					
<b>FJ-1100, FJ-1200</b>									
B=3.550/ C=3.650/ D=.200/ E=4.365		83	4-Cyl / MO	YA-5029					

# ATV/UTV CYLINDER REBUILD KITS

Model	Year	Part #	Model	Year	Part #
<b>HONDA 2-STROKE</b>					
ATC-250R	1985-86	845K			
TRX-250R	1986	845K			
TRX-250R	1987-89	5032K			
<b>HONDA 4-STROKE</b>					
TRX-500FA Foreman Rubicon 499cc Liquid-Cooled Single	2002-14	5504K			
TRX-500 FE, FM Foreman 4x4 475cc Air Cooled Single	2005-11	5591K			
TRX-450R, ER	2006-14	5537K-1			
TRX-450R	2004-05	5561K			
TRX-450 ES, S Foreman	1998-04	5365K			
Fourtrax 420 Rancher	2009-18	5497K			
Fourtrax 400 Rancher	2004-07	5630K			
TRX-400 EX, X Sportrax	1999-14	5293K-1			
TRX-400FW Foreman 4x4	1995-04	5286K			
TRX-350 ES, TM Rancher	2000-09	5443K			
Fourtrax 350	1986-89	952K			
ATC-350X	1985-86	952K			
TRX-300 EX, X (4 Valve)	1993-09	5062K			
TRX-300 FW (2 Valve)	1988-00	5062K-1			
TRX-250 EX, X, Sportrax	2001-21	5560K			
Fourtrax 250 Recon	2002-09	5366K-1			
TRX-250D Recon	1997-01	5366K			
Fourtrax 250 X	1987-92	5028K			
TRX-200D	1991-97	989K-2			
TRX-200 SX	1986-88	989K			
TRX-200	1984	103K			
ATC-200X	1986-87	989K			
ATC-200 E, ES, M	1981-86	103K			
<b>KAWASAKI 4-STROKE</b>					
KFX-450R	2008-14	5675K			
KFX-400	2003-06	5430K			
KLF-300 Bayou	1985-05	986K			
KEF-300 Lakota	1995-03	986K			
KVF-300 Prairie	1999-03	986K			
Mojave 250 KSF, KFX	1987-05	5018K			
KLF-250 Bayou	2011-13	5506K			
KLF-220 Bayou	1988-02	5063K			
<b>POLARIS 2-STROKE</b>					
250 Trail Boss	1986-99	5168K			
250 Trail Blazer	1990-06	5168K			
250 Xplorer 4x4	2000-02	5168K			
300 Xplorer, Xpress	1994-99	5273K			
350L Trail Boss	1990-94	5171K			
400L Trail Blazer, Scrambler, Xplorer	1994-03	5274K			
<b>SUZUKI 2-STROKE</b>					
LT-500R J,K,L	1988-90	5073K			
LT-500R J,K,L (Heavy sleeve repairs broken cylinder)		5073K-1			
LT-500RH	1987	5021K			
LT-500RH (Heavy sleeve repairs broken cylinder)		5021K-1			
LT-250R J,K,L,M,N	1988-92	5064K			
LT-250RH	1987	5020K			
LT-250RG	1986	988K			
LT-250RF	1985	942K			
<b>SUZUKI 2-STROKE (Continued)</b>					
<b>SUZUKI 4-STROKE</b>					
LT-R450 Quadracer	2006-11	5625K			
LT-Z400 Quadsport	2002-14	5430K			
LTA, LTF-400 Eiger	2002-17	5512K			
King Quad 400	2008-22	5512K-1			
LTF-300 King Quad	1991-02	5136K			
LT-230	1985-94	866K			
<b>YAMAHA 2-STROKE</b>					
Banshee 350 (Rebuilds 2 Cylinders)	1987-06	5023K			
Tri-Z 250	1985-89	879K			
Blaster 200 (Heavy sleeve repairs broken cylinder)	1988-06	5035K			
<b>YAMAHA 4-STROKE</b>					
Raptor 700R (Cyl. No. 1S3)	2015-21	5609K-1			
Raptor 700R (Cyl. No. 1S3)	2006-14	5609K			
Rhino 700 (Cyl. No. 3B4)	2008-13	5609K-3			
Viking 700 (Cyl. No. 3B4)	2014-22	5609K-2			
Grizzly 700 (Cyl. No. 3B4)	2019-22	5609K-2			
Grizzly 700 (Cyl. No. 3B4)	2014-15	5609K-2			
Grizzly 700 (Cyl. No. 3B4)	2007-13	5609K-3			
Kodiak 700 (Cyl. No. 3B4)	2019-22	5609K-2			
YFM-660 Grizzly	2002-08	7018K-1			
YFM-660 Raptor	2001-06	7018K			
YFZ-450R (Cyl. No. 2S2)	2009-22	5627K-1			
YFZ-450R (Cyl. No. 5TA)	2004-13	5495K			
Grizzly 450 (Cyl. No. 5ND)	2007-14	5513K			
Kodiak 450 (Cyl. No. 5ND)	2018-21	5513K			
Kodiak 450 (Cyl. No. 5ND)	2003-06	5513K			
Rhino 450 (Cyl. No. 5ND)	2006-09	5513K			
Wolverine 450 (Cyl. No. 5ND)	2006-10	5513K			
Grizzly 400 (Cyl. No. 5GH)	2007-08	5425K			
Kodiak 400 (Cyl. No. 5GH)	2000-06	5425K			
Kodiak 400	1993-99	5231K			
Big Bear 400	2000-12	5231K			
YFM-350 Grizzly	2007-14	5024K			
YFM-350 Raptor	2005-13	5024K			
YFM-350 Bruin	2004-06	5024K			
YFM-350 Wolverine	1995-09	5024K			
YFM-350 Warrior	1987-05	5024K			
YFM-350 Big Bear	1987-99	5024K			
BW-350	1987-88	5024K			
Raptor 250	2008-13	5679K			
YFM-250 Big Bear	2007-09	5101K			
YFM-250 Bruin	2005-06	5101K			
YFM-250 Bear Tracker	1999-04	5101K			
YFB-250 Timberwolf	1990-00	5101K			

## **ATV/UTV SLEEVES**

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #																																																																																																																																																																																																																																																																																																																																																																																																																																																			
<b>ARCTIC CAT 4-STROKE</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																												
90 DVX, Alterra	2006-22	47	CI	FL-5615	1000 TRV Cruiser	2011-17	92	AC	FL-5413																																																																																																																																																																																																																																																																																																																																																																																																																																																			
150 DVX, Alterra	2009-19	62		FL-5409	1000 Wildcat X	2013-17	92	AC	FL-5413																																																																																																																																																																																																																																																																																																																																																																																																																																																			
250 2x4, 4x4	1999-05	66	CI	FL-5019	1000 Alterra TRV	2016-17	92	AC	FL-5413																																																																																																																																																																																																																																																																																																																																																																																																																																																			
250 DVX, 2x4 Liquid-Cooled	2006-09	72.7	AC	FL-5613	Havoc, X 1000	2018-20	92	AC	FL-5413																																																																																																																																																																																																																																																																																																																																																																																																																																																			
300 2x4, 4x4	1998-05	68.5	CI	FL-5136	Wildcat XX 1000	2018-22	80	AC	YA-5810																																																																																																																																																																																																																																																																																																																																																																																																																																																			
300 DVX, Alterra	2009-22	72.7	AC	FL-5543	Triple																																																																																																																																																																																																																																																																																																																																																																																																																																																							
350 4x4	2011-12	81		FL-5670	<b>CAN-AM 4-STROKE</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																							
366 4x4	2008-11	81		FL-5670	400 TRV	2009-14	81		FL-5670	DS90	2002-05	47	CI	FL-5615	400 CORE	2013-15	81		FL-5670	DS90	2006-07	50	CI	FL-5616	400 ALTERRA	2016-17	81		FL-5670	DS90	2008-22	49.5	CI	FL-5696	375 4x4, 2x4	2002	82	CS	FL-5512	Rally 200	2004-07	62	AC	FL-5617	400 4x4, 2x4	2003-08	82	CS	FL-5512	DS250	2006-22	71	CS	FL-5618	400 4x4, 2x4 Liquid-Cooled	1998-02	84	CI	FL-5364	330 H.O. Outlander	2003-05	82	RS/CS	FL-5620	400 DVX, 2x4 Liquid-Cooled	2004-08	90	AC	FL-5430	400 H.O. EFI Outlander	2005-15	91	CI	FL-5619	400 DVX Big Bore to 434-453cc	2004-08	94	BB	FL-5430B	450 HD5 Defender	2017-20	94	CS	FL-5788	454 Bearcat 2x4, 4x4	1996-98	84	CI	FL-5326	450 HD5 Outlander	2014-22	94	CS	FL-5788	454 Bearcat Heavy O.D.	1996-98	84	CS	FL-5326H	DS450	2008-15	97	AC	FL-5672	450 Alterra	2016-22	89	AC	FL-5766	500 H.O. Outlander V-Twin	2007-15	82	RS/CS	FL-5620	450 Core	2013-15	89	AC	FL-5766	500 H.O. Renegade V-Twin	2008-15	82	RS/CS	FL-5620	450i	2011-12	89	AC	FL-5766	570 EFI Outlander V-Twin	2016-22	84	CS	FL-5789	450 TRV	2011-12	89	AC	FL-5766	570 EFI Renegade V-Twin	2016-22	84	CS	FL-5789	XC 450	2011-18	89	AC	FL-5766	DS650	Thru 2007	100	AC	FL-5467	500 4x4, Auto	1998-09	87.5	AC	FL-5370	DS650 Big Bore to 719cc	Thru 2007	105	AC	FL-5467B	500 Alterra TRV	2016-20	89	AC	FL-5766	650 H.O. EFI Outlander V-Twin	2006-22	82	CS	FL-5620	500 TRV	2013-17	89	AC	FL-5766	650 Defender HD7 Rotax ACE	2022			FL-	500 H1, XT	2013-17	89	AC	FL-5766	700 Commander Rotax ACE 650cc	2022			FL-	500 HDX	2016-17	89	AC	FL-5766	700 Maverick Trail Rotax ACE 650cc	2022			FL-	Prowler 500	2014-22	89	AC	FL-5766	800R Commander V-Twin	2011-20	91	CI	FL-5619	550 Prowler H1	2009-15	92	AC	FL-5328	800 HD8 Defender V-Twin	2016-20	91	CI	FL-5619	550 H1 LE	2009-15	92	AC	FL-5328	800R Maverick V-Twin	2018-21	91	CI	FL-5619	550 TRV, Alterra	2009-17	92	AC	FL-5328	800R Outlander V-Twin	2006-15	91	CI	FL-5619	550 LTD, XT	2012-14	92	AC	FL-5328	800R Renegade V-Twin	2008-15	91	CI	FL-5619	570 Alterra EPS	2019-21	92	AC	FL-5328	850 EFI Outlander V-Twin	2016-22	91	CI	FL-5790	650 4x4 Liquid-Cooled Twin	2004-06	80	RS	KA-5508	850 EFI Renegade V-Twin	2016-22	91	CI	FL-5790	650 H1 4x4 Single	2007-11	98	AC	FL-5612	1000R Commander V-Twin	2011-22	91	CI	FL-5775	Prowler 650	2006-09	98	AC	FL-5612	1000R Defender HD9 V-Twin	2021-22	91	CI	FL-5775	700 H1 EFI, 4x4 Single	2006-13	102	AC	FL-5595	1000R Defender HD10 V-Twin	2016-22	91	CI	FL-5775	700 Mud Pro	2009-17	102	AC	FL-5595	1000R Maverick V-Twin	2013-22	91	CI	FL-5775	700 Prowler XTX	2008-17	102	AC	FL-5595	1000R Outlander V-Twin	2012-22	91	CI	FL-5775	700 HDX	2014-17	102	AC	FL-5595	1000R Renegade V-Twin	2012-22	91	CI	FL-5775	700 Alterra	2016-22	102	AC	FL-5595						700 TRV, Cruiser	2009-22	102	AC	FL-5595						700	2006-22	106	BB/MO	FL-5595B						Big Bore to 750cc										Wildcat 700	2014-19	76.9	AC	FL-5792						Liquid Cooled Twin										Stampede 900 4x4 Twin	2018-20	89	AC	FL-						1000 H2 Liquid-Cooled Twin	2009-17	92	AC	FL-5413						1000 XT	2013-17	92	AC	FL-5413						1000 Mud Pro	2009-17	92	AC	FL-5413						1000 Thundercat	2009-10	92	AC	FL-5413					
400 TRV	2009-14	81		FL-5670	DS90	2002-05	47	CI	FL-5615																																																																																																																																																																																																																																																																																																																																																																																																																																																			
400 CORE	2013-15	81		FL-5670	DS90	2006-07	50	CI	FL-5616																																																																																																																																																																																																																																																																																																																																																																																																																																																			
400 ALTERRA	2016-17	81		FL-5670	DS90	2008-22	49.5	CI	FL-5696																																																																																																																																																																																																																																																																																																																																																																																																																																																			
375 4x4, 2x4	2002	82	CS	FL-5512	Rally 200	2004-07	62	AC	FL-5617																																																																																																																																																																																																																																																																																																																																																																																																																																																			
400 4x4, 2x4	2003-08	82	CS	FL-5512	DS250	2006-22	71	CS	FL-5618																																																																																																																																																																																																																																																																																																																																																																																																																																																			
400 4x4, 2x4 Liquid-Cooled	1998-02	84	CI	FL-5364	330 H.O. Outlander	2003-05	82	RS/CS	FL-5620																																																																																																																																																																																																																																																																																																																																																																																																																																																			
400 DVX, 2x4 Liquid-Cooled	2004-08	90	AC	FL-5430	400 H.O. EFI Outlander	2005-15	91	CI	FL-5619																																																																																																																																																																																																																																																																																																																																																																																																																																																			
400 DVX Big Bore to 434-453cc	2004-08	94	BB	FL-5430B	450 HD5 Defender	2017-20	94	CS	FL-5788																																																																																																																																																																																																																																																																																																																																																																																																																																																			
454 Bearcat 2x4, 4x4	1996-98	84	CI	FL-5326	450 HD5 Outlander	2014-22	94	CS	FL-5788																																																																																																																																																																																																																																																																																																																																																																																																																																																			
454 Bearcat Heavy O.D.	1996-98	84	CS	FL-5326H	DS450	2008-15	97	AC	FL-5672																																																																																																																																																																																																																																																																																																																																																																																																																																																			
450 Alterra	2016-22	89	AC	FL-5766	500 H.O. Outlander V-Twin	2007-15	82	RS/CS	FL-5620																																																																																																																																																																																																																																																																																																																																																																																																																																																			
450 Core	2013-15	89	AC	FL-5766	500 H.O. Renegade V-Twin	2008-15	82	RS/CS	FL-5620																																																																																																																																																																																																																																																																																																																																																																																																																																																			
450i	2011-12	89	AC	FL-5766	570 EFI Outlander V-Twin	2016-22	84	CS	FL-5789																																																																																																																																																																																																																																																																																																																																																																																																																																																			
450 TRV	2011-12	89	AC	FL-5766	570 EFI Renegade V-Twin	2016-22	84	CS	FL-5789																																																																																																																																																																																																																																																																																																																																																																																																																																																			
XC 450	2011-18	89	AC	FL-5766	DS650	Thru 2007	100	AC	FL-5467																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 4x4, Auto	1998-09	87.5	AC	FL-5370	DS650 Big Bore to 719cc	Thru 2007	105	AC	FL-5467B																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 Alterra TRV	2016-20	89	AC	FL-5766	650 H.O. EFI Outlander V-Twin	2006-22	82	CS	FL-5620																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 TRV	2013-17	89	AC	FL-5766	650 Defender HD7 Rotax ACE	2022			FL-																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 H1, XT	2013-17	89	AC	FL-5766	700 Commander Rotax ACE 650cc	2022			FL-																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 HDX	2016-17	89	AC	FL-5766	700 Maverick Trail Rotax ACE 650cc	2022			FL-																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Prowler 500	2014-22	89	AC	FL-5766	800R Commander V-Twin	2011-20	91	CI	FL-5619																																																																																																																																																																																																																																																																																																																																																																																																																																																			
550 Prowler H1	2009-15	92	AC	FL-5328	800 HD8 Defender V-Twin	2016-20	91	CI	FL-5619																																																																																																																																																																																																																																																																																																																																																																																																																																																			
550 H1 LE	2009-15	92	AC	FL-5328	800R Maverick V-Twin	2018-21	91	CI	FL-5619																																																																																																																																																																																																																																																																																																																																																																																																																																																			
550 TRV, Alterra	2009-17	92	AC	FL-5328	800R Outlander V-Twin	2006-15	91	CI	FL-5619																																																																																																																																																																																																																																																																																																																																																																																																																																																			
550 LTD, XT	2012-14	92	AC	FL-5328	800R Renegade V-Twin	2008-15	91	CI	FL-5619																																																																																																																																																																																																																																																																																																																																																																																																																																																			
570 Alterra EPS	2019-21	92	AC	FL-5328	850 EFI Outlander V-Twin	2016-22	91	CI	FL-5790																																																																																																																																																																																																																																																																																																																																																																																																																																																			
650 4x4 Liquid-Cooled Twin	2004-06	80	RS	KA-5508	850 EFI Renegade V-Twin	2016-22	91	CI	FL-5790																																																																																																																																																																																																																																																																																																																																																																																																																																																			
650 H1 4x4 Single	2007-11	98	AC	FL-5612	1000R Commander V-Twin	2011-22	91	CI	FL-5775																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Prowler 650	2006-09	98	AC	FL-5612	1000R Defender HD9 V-Twin	2021-22	91	CI	FL-5775																																																																																																																																																																																																																																																																																																																																																																																																																																																			
700 H1 EFI, 4x4 Single	2006-13	102	AC	FL-5595	1000R Defender HD10 V-Twin	2016-22	91	CI	FL-5775																																																																																																																																																																																																																																																																																																																																																																																																																																																			
700 Mud Pro	2009-17	102	AC	FL-5595	1000R Maverick V-Twin	2013-22	91	CI	FL-5775																																																																																																																																																																																																																																																																																																																																																																																																																																																			
700 Prowler XTX	2008-17	102	AC	FL-5595	1000R Outlander V-Twin	2012-22	91	CI	FL-5775																																																																																																																																																																																																																																																																																																																																																																																																																																																			
700 HDX	2014-17	102	AC	FL-5595	1000R Renegade V-Twin	2012-22	91	CI	FL-5775																																																																																																																																																																																																																																																																																																																																																																																																																																																			
700 Alterra	2016-22	102	AC	FL-5595																																																																																																																																																																																																																																																																																																																																																																																																																																																								
700 TRV, Cruiser	2009-22	102	AC	FL-5595																																																																																																																																																																																																																																																																																																																																																																																																																																																								
700	2006-22	106	BB/MO	FL-5595B																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Big Bore to 750cc																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Wildcat 700	2014-19	76.9	AC	FL-5792																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Liquid Cooled Twin																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Stampede 900 4x4 Twin	2018-20	89	AC	FL-																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1000 H2 Liquid-Cooled Twin	2009-17	92	AC	FL-5413																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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1000 Thundercat	2009-10	92	AC	FL-5413																																																																																																																																																																																																																																																																																																																																																																																																																																																								

# ATV/UTV SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>CAN-AM 4-STROKE (Continued)</b>									
Maverick X3 Triple ACE 900	2017-22	74	AC	FL-5809					
Maverick X3 Siamese Flange End Slv	2017-22	74	AC	FL-5809SF					
Maverick X3 Siamese Flange Center Slv	2017-22	74	AC	FL-5809DF					
<b>HONDA 2-STROKE</b>									
ATC-250R	1981-84	70	CI/MO	H-106					
Heavy Sleeve to Repair Broken Skirt	1981-84	70	CS/MO	H-106H					
Honda Kit ATC-300 Cylinder	1981-84	76	CS/MO	H-115					
ATC-250R Liquid-Cooled	1985-86	66	CI	H-845					
Four Trax 250R (TRX-250R)	1986	66	CI	H-845					
Heavy Sleeve to Repair Broken Skirt	1985-86	66	CS/MO	H-845H					
Big Bore Sleeve to 295cc	1985-86	72	CS	H-845B					
Four Trax 250R (TRX-250R)	1987-89	66	CI	H-5032					
Heavy Sleeve to Repair Broken Skirt	1987-89	66	CS/MO	H-5032H					
Big Bore Sleeve to 295cc	1987-89	72	CS	H-5032B					
Odyssey 250	1977-84	70	CI/MO	H-91					
Odyssey 350	1985-86	78.5	CS/MO	H-896					
Pilot FL400	1989-92	80	CI/MO	H-5088					
<b>HONDA 4-STROKE</b>									
ATC-70, TRX-70	1978-87	47	CC	H-100					
TRX-90R	1993-06	47	CC	H-5229					
TRX-90 EX/X	2007-22	47	CC	H-5229					
ATC-110	1979-85	52	CS/MO	H-102					
ATC-125M	1984-85	55	CS/MO	H-840					
ATC-125M	1986-87	54	CS/MO	H-987					
TRX-125	1985-86	55	CS/MO	H-840					
TRX-125	1987-88	54	CS/MO	H-987					
ATC-185	1980-83	63	CS/MO	H-3					
ATC-200 E, ES, M	1981-86	65	CI	H-103					
ATC-200 X	1986-87	65	CS	H-989					
TRX-200	1984	65	CI	H-103					
TRX-200 SX	1986-88	65	CS	H-989					
TRX-200	1990-91	65	CS	H-989					
TRX-200 D	1991-97	65	CS	H-989					
ATC-250 ES, SX	1985-87	74	RS	H-5028					
TRX-250	1985-87	74	RS	H-5028					
FourTrax 250 X	1987-88	74	RS	H-5028					
TRX-250X	1991-92	74	RS	H-5028					
TRX-250 RECON	1997-01	68.5	RS	H-5366					
Fourtrax 250 RECON	2002-22	68.5	CS	H-5560					
TRX-250 EX, X Sportrax	2001-22	68.5	CS	H-5560					
TRX-300 FW 2-Valve	1988-00	74	RS	H-5062					
TRX-300 EX, X 4-Valve	1993-09	74	RS	H-5062					
<b>HONDA 4-STROKE (Continued)</b>									
Big Bore 330cc		80	BB	H-5062B					
ATC-350X	1985-86	81	RS	H-952					
Fourtrax TRX-350	1986-89	81	RS	H-952					
Big Bore Sleeve to 425cc		89-92	BB	H-952H					
TRX-350TM Rancher	2000-06	78.5	RS	H-5443					
TRX-350ES Rancher	2000-09	78.5	RS	H-5443					
TRX-400FW Foreman 4x4	1995-04	86	RS	H-5286					
TRX-400 EX, X Sportrax	1999-14	85	RS	H-5293					
Big Bore Sleeve to 440cc		88-89	BB	H-5445					
Fourtrax 400 Rancher AT/FA/FG	2004-07	85	RS	H-5630					
Fourtrax 420 Rancher	2007-22	86.5	CI	H-5497					
TRX-450 ES, S, Foreman	1998-04	90	RS	H-5365					
TRX-450R Liquid-Cooled	2004-05	94	AC	H-5561					
TRX-450R, ER	2006-14	96	AC	H-5537					
Big Bore Sleeve to 480cc		99	BB	H-5537B					
Sleeve for Athena Big Bore Cylinder		98-99	AC/L	H-5581					
TRX-500 Fourtrax Foreman 4x4	2005-11	92	RS	H-5591					
TRX-500 Fourtrax Foreman 4x4 Liquid-Cooled 475cc	2012-19	92	CS	H-5767					
TRX-500 Foreman Rubicon Liquid-Cooled 475cc	2015-19	92	CS	H-5767					
TRX-500 Foreman Rubicon Liquid-Cooled 499cc	2002-14	92	CS	H-5504					
TRX-520 Foreman 4x4, Rubicon Liquid-Cooled 518cc	2020-22	96	CI	H-5812					
Pioneer 500 SXS Liquid-Cooled	2015-22	92	CS	H-5767					
Pioneer 520 SXS Liquid-Cooled	2021-22	96	CI	H-5812					
Fourtrax Rincon 650	2003-05	100	AC	H-5505					
Fourtrax Rincon 680	2006-22	102	CI	H-5621					
MUV 680 Big Red	2009-13	102	CI	H-5621					
Pioneer 700 SXS	2014-21	102	CI	H-5621					
TRX-700X	2008-12	102	CI	H-5689					
Pioneer 1000 SXS Twin	2016-21	92	CI	H-5800					
Talon 1000R SXS Twin	2019-21	92	CI	H-5800					

# ATV/UTV SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>KAWASAKI 2-STROKE</b>									
KFX-50	2003-06	41	CC	FL-5492	Teryx4 800 SXS	2014-22	85	AC	KA-5781
KFX-80	2003-06	50	RS/MO	FL-5369	Liquid-Cooled Twin				
KFX-80 Big Bore to 105cc	2003-06	54	BB/MO	FL-5369B	Teryx KRX-1000 SXS	2020-22	92	AC	KA-5813
KXT-250 Tecate	1984-85	70	AC/MO	KA-795	Mule SX 400 Single	2020-22	82		
KXT-250 Tecate KIPS	1986-87	70	AC/MO	KA-949	Mule Pro 700 Single	2019-22	102	AC	FL-5595
KFX-250 Tecate 4	1987-88	67.4	AC	KA-5007	Liquid-Cooled				
KFX-250 Tecate 4 Big Bore to 295cc	1987-88	73	BB/MO	KA-5007B	Mule Pro-FX 800	2019-22	72		
<b>KAWASAKI 4-STROKE</b>									
KFX-90	2017-22	47	CI	KA-5674	<b>KTM 4-STROKE</b>				
KLT-110	1984-85	51	RS/MO	KA-860	450 XC Liquid-Cooled	2008-12	89	AC	FL-5442
KLF-110 Mojave	1987-88	51	RS/MO	KA-860	450 SX Liquid-Cooled	2009-11	97	AC	FL-5638
KLT-160	1985	61	RS/MO	KA-741	505 SX Liquid-Cooled	2009-12	100	AC	FL-5584
KLF-185 Bayou	1985-88	66	RS/MO	KA-857	525 XC Liquid-Cooled	2008-12	95	AC	FL-5437
KLT-185	1986-87	66	RS/MO	KA-857	525 XC Big Bore to 565cc	2008-12	100	BB/MO	FL-5437B
KLT-200	1977-84	66	RS/L	KA-673	<b>KYMCO 4-STROKE</b>				
KLF-220 Bayou	1988-02	67	RS	KA-5063	MXU-250 Liquid-Cooled	2004-09	72.7	AC	FL-5613
KLT-250	1983-85	70.5	RS/L	KA-856	MXU-300, Mongoose 300	2009-15	72.7	AC	FL-5543
KLF-250 Bayou	2003-11	67	RS	KA-5506	MXU-500 Liquid-Cooled	2008-17	92		FL-5392
KSF-250, KFX-250 Mojave	1987-05	74	RS	KA-5018	UXV-500 Liquid-Cooled	2009-17	92		FL-5392
KLF-300 Bayou	1986-05	76	CI	KA-986	MXU, UXV 700i Liquid-Cooled Single	2014-17	102	RS	FL-5787
KEF-300 Lakota	1995-03	76	CI	KA-986	MXU, UXV 700 Big Bore to 740cc	2014-17	105	BB/MO	FL-5787B
KVF-300 Prairie	1999-03	76	CI	KA-986	<b>POLARIS 2-STROKE</b>				
Heavy O.D. Repair Sleeve		76	CS	KA-986H	Predator 90	2001-06	52	CI	FL-5596
KVF-360 Prairie	2003-13	80	AC	KA-5507	Scrambler, Sportsman 90	2001-06	52	CI	FL-5596
KLF-400 Bayou	1993-99	81	RS	KA-5167	244 Air Cooled Single	1985	72	CI/MO	FL-931
KVF-400 Prairie	1997-02	81	RS	KA-5167	250 Trail Boss	1986-99	72	CI	FL-5168
KFX-400 Liquid-Cooled	2003-06	90	AC	FL-5430	250 Trail Blazer	1990-06	72	CI	FL-5168
KFX-400 Big Bore to 434-453cc	2003-06	94	BB	FL-5430B	250 Xplorer 4x4	2000-02	72	CI	FL-5168
KFX-450R Liquid-Cooled	2008-14	96	AC	KA-5675	300L, Xplorer, Xpress	1994-99	74.5	CI	FL-5273
KFX-450R Big Bore to 480-488cc	2008-14	99-100	BB/MO	KA-5675B	350L Trail Boss Liquid-Cooled	1990-94	80	CI	FL-5171
KVF-650 Prairie V-Twin	2002-03	80	RS	KA-5508	400L Scrambler Liquid-Cooled	1994-03	83	CI	FL-5274
KVF-650 Brute Force V-Twin	2005-10	80	RS	KA-5508	400L Trail Blazer Liquid-Cooled	1994-03	83	CI	FL-5274
KVF-650 Big Bore to 750cc	2002-10	87	BB	KA-5526B	400L Xplorer Liquid-Cooled	1994-03	83	CI	FL-5274
Brute Force 650 4x4i V-Twin	2005-16	80	AC	KA-5676	<b>POLARIS 4-STROKE</b>				
KFX-700 Liquid -Cooled Twin	2004-10	82	RS	KA-5526	Phoenix 200	2005-22	65	CI	FL-5593
Prairie 700 Liquid-Cooled Twin	2004-06	82	RS	KA-5526	300 Hawkeye, Sportsman	2006-10	78.5	CI	FL-5623
KFX-700 Big Bore to 749-784cc	2004-10	85-87	BB/MO	KA-5526B	325 Magnum, Trail Boss	2000-02	78	CI	FL-5367
Brute Force 750 4x4i Twin L/C	2005-22	85	AC	KA-5592	325 Xpedition	2001-02	78	CI	FL-5367
Teryx 750 4x4 Liquid-Cooled Twin	2008-13	85	AC	KA-5592	ACE 325 Liquid-Cooled	2014-16	78	AC	FL-5791
Brute Force, Teryx Big Bore to 840cc	2005-22	90	BB/MO	KA-5592B	Sportsman 325 Liquid-Cooled	2014-16	78	AC	FL-5791

## ATV/UTV SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>POLARIS 4-STROKE [Continued]</b>									
330 Magnum	2003-06	78.5	CI	FL-5367	900 XP	2011-22	95-96	BB/MO	FL-5769BX2
330 Trail Boss	2003-13	78.5	CI	FL-5367	<b>Big Bore to 930cc (Set of 2)</b>				
330 Trail Blazer	2008-13	78.5	CI	FL-5367	<b>Sportsman XP 1000 Twin</b>	2014-22	90.5	AC	FL-5823
335 Sportsman 4x4	1999-00	78	CI	FL-5367	<b>Scrambler XP 1000 Twin</b>	2014-22	90.5	AC	FL-5823
400 H.O. Liquid-Cooled	2008-14	87.9	CI	FL-5260	<b>General 1000 EPS XP Twin</b>	2016-22	93	AC	FL-5777
400 Sportsman Liquid-Cooled	2004-14	87.9	CI	FL-5260	<b>Ranger 1000 XP Twin</b>	2017-22	93	AC	FL-5777
400 Ranger Liquid-Cooled	2010-13	87.9	CI	FL-5260	<b>RZR 1000 XP, S, EFI</b>	2014-22	93	AC	FL-5777
425 Magnum Liquid-Cooled	1995-98	87.9	CI	FL-5260	<b>1000 XP Big Bore to 1035cc (Set of 2)</b>	2014-22	96	BB/MO	FL-5777CDSF
425 Sportsman Liquid-Cooled	2001-05	87.9	CI	FL-5260	<b>Custom Closed Deck Ductile Sleeves</b>				
425 Xpedition Liquid-Cooled	2000-02	87.9	CI	FL-5260	<b>SUZUKI 2-STROKE</b>				
Outlaw 450 MXR Liquid-Cooled	2008-11	89	AC	FL-5442	<b>LT-50</b>	2002-05	41	CC	FL-5492
<b>Sportsman 450 H.O. Liquid-Cooled</b>	2006-07	87.9	CI	FL-5260	<b>LT-80 Quadsport</b>	All	50	RS/MO	FL-5369
<b>Sportsman 450 H.O. Liquid-Cooled</b>	2017-22	93	AC	FL-5826	<b>LT-80 Quadsport Big Bore to 105cc</b>	All	54	BB/MO	FL-5369B
500 H.O. Liquid-Cooled	1997-13	92	CI	FL-5368	<b>LT-250RF</b>	1985	70	CI	FL-942
500 Magnum, Scrambler, Sportsman	1997-13	92	CI	FL-5368	<b>LT-250RF Heavy O.D. Repair Sleeve</b>	1985	70	CS	FL-942H
500 Ranger 4x4 Liquid-Cooled	2006-13	92	CI	FL-5368	<b>LT-250RG</b>	1986	70	CI	FL-988
500 Ranger AWD/2WD Liquid-Cooled	2017-22	93	AC	FL-5826	<b>LT-250RG Heavy O.D. Repair Sleeve</b>	1986	70	CS	FL-988H
Outlaw 500 Liquid-Cooled	2006-07	99.2	AC	FL-5564	<b>LT-250RH</b>	1987	67	CS	FL-5020
Predator 500 Liquid-Cooled	2003-07	99.2	AC	FL-5564	<b>LT-250R J,K,L,M,N Quadracer</b>	1988-92	67	CS	FL-5064
Outlaw, Predator Big Bore to 560cc	2003-07	104.8	BB/MO	FL-5564B	<b>LT-500RH Quadracer</b>	1987	86	CI	FL-5021
Outlaw 525 Liquid-Cooled	2007-09	95	AC	FL-5437	<b>LT-500RH Heavy O.D. Repair Sleeve</b>	1987	86	CS	FL-5021H
Outlaw 525 Big bore to 565cc	2007-09	100	BB/MO	FL-5437B	<b>LT-500R J,K,L Quadracer</b>	1988-90	86	CI	FL-5073
550 XP Sportsman Liquid-Cooled	2009-14	96.6	CI	FL-5381	<b>LT-500R J,K,L Heavy O.D. Repair Sleeve</b>	1988-90	86	CS	FL-5073H
570 RZR, Ranger Liquid-Cooled	2012-22	99	AC	FL-5768	<b>SUZUKI 4-STROKE</b>				
570 Sportsman Liquid-Cooled	2014-22	99	AC	FL-5768	<b>Quadsport Z50</b>	2017-22	36	CI	FL-5624
ACE 570 Liquid-Cooled	2016-21	99	AC	FL-5768	<b>Quadsport Z90</b>	2007-22	45.5	CI	FL-5677
Sportsman 700 Twin	2002-08	80	AC	FL-5511	<b>LT, ALT-125</b>	1982-87	57	RS/MO	FL-753
Ranger 700 Twin	2007-09	80	AC	FL-5511	<b>LT, LTF-160</b>	1989-04	58	CI	FL-5085
Sportsman 800 Twin	2005-14	80	AC	FL-5594	<b>LT, ALT-185</b>	1984-87	63	CI/MO	FL-865
Ranger 800 Twin	2005-16	80	AC	FL-5594	<b>LT-230</b>	1985-94	66	CI/MO	FL-866
RZR 800 Twin	2008-14	80	AC	FL-5594	<b>LT-230 Heavy O.D. Repair Sleeve</b>	1985-94	66	CS/MO	FL-866H
Sportsman 850 XP H.O. Twin	2009-22	87	AC/CI	FL-5395	<b>LT-230 Big Bore to 260cc</b>	1985-94	70	BB/MO	FL-866B
Scrambler 850 XP H.O. Twin	2013-22	87	AC/CI	FL-5395	<b>LT-250 E,F,G</b>	1985-94	72	RS/MO	FL-754
ACE 900 XC Twin	2016-21	93	AC	FL-5769	<b>LT-F250 Quadrunner 2WD, 4WD</b>	1987-02	66	CI	FL-5019
Ranger 900 XP Twin	2011-19	93	AC	FL-5769	<b>LT-F250 Ozark, LT-Z2250</b>	2000-14	66	CI	FL-5019
RZR 900 XP, Trail Twin	2011-22	93	AC	FL-5769	<b>LT-F300 King Quad</b>	1991-02	68.5	CI	FL-5136
<b>L.A. Sleeve Co., Inc. 562-945-7578</b>					<b>LT-300E Quadrunner</b>	1987-89	72	CI/MO	FL-5065
<b>-33-</b>					<b>LT-A400, LT-F400 Eiger, King Quad</b>	2002-22	82	CS	FL-5512
					<b>LT-Z400 Quadsport</b>	2002-14	90	AC	FL-5430
					<b>LT-Z400 Big Bore to 435-453cc</b>	2002-14	94	BB	FL-5430B
					<b>LT-A450 King Quad Liquid-Cooled</b>	2007-10	84	AC	FL-5678
					Metric conversion: 1mm = .03937"				
					Prices subject to change.				

# ATV/UTV SLEEVES

Model	Year	Bore Size (mm)	Type	Sleeve Part #	Model	Year	Bore Size (mm)	Type	Sleeve Part #
<b>SUZUKI 4-STROKE (Continued)</b>									
LT-R450 Quadracer	2006-11	95.5	AC	FL-5625	Wolverine 350	1995-09	83	RS	YA-5024
LT-R450	2006-11	98-100	BB/MO	FL-5625B	Big Bear 400	2000-12	83	RS	YA-5231
Big Bore to 474-493cc					Kodiak 400	1993-99	83	RS	YA-5231
LT-A500, LT-F500 Liquid-Cooled King Quad 500, Vinson 500	1998-22	87.5	AC	FL-5370	Kodiak 400 (Cyl. No. 5GH) Liquid	2000-06	84.5	RS	YA-5425
Twin Peaks 700 V-Twin	2004-05	82	CI	KA-5526	Grizzly 400 (Cyl. No. 5GH) Liquid	2007-08	84.5	RS	YA-5425
King Quad 700 Liquid-Cooled	2005-07	102	AC	FL-5595	Kodiak 450 (Cyl. No. 5ND) Liquid	2003-06	84.5	RS	YA-5513
King Quad 700 Big Bore to 750cc	2005-07	106	BB/MO	FL-5595B	Kodiak 450 (Cyl. No. 5ND) Liquid	2018-22	84.5	RS	YA-5513
King Quad 750 AXi Liquid-Cooled	2009-22	104	AC	FL-5374	Grizzly 450 (Cyl. No. 5ND) Liquid	2007-14	84.5	RS	YA-5513
<b>YAMAHA 2-STROKE</b>									
Blaster 200, YFS-200	1988-06	66	CI	YA-5035	Wolverine 450 (Cyl. No. 5ND) Liquid	2006-10	84.5	RS	YA-5513
Blaster 200 Heavy O.D. Repair Sleeve	1988-06	66	CS	YA-5035H	Rhino 450 (Cyl. No. 5ND) Liquid	2006-09	84.5	RS	YA-5513
Blaster 200 Big Bore to 240cc	1988-06	72	BB	YA-5035B	YFZ-450 (Cyl. No. 5TA)	2004-13	95	AC	YA-5495
Tri-Z 250 (Cyl. No. 38W)	1985-89	68	CS/MO	YA-879	YFZ-450R (Cyl. No. 2S2)	2009-22	95	AC	YA-5627
Banshee 350, YFZ-350 Twin	1987-06	64	CI	YA-5023	Grizzly 550 Liquid-Cooled	2009-14	92	RS	YA-5690
Heavy O.D. Repair Sleeve		64	CS/MO	YA-5023H	Grizzly 600	1998-01	95	RS/AC	YA-814
Big Bore Sleeve to 399-409cc		68	BB/MO	YA-5023B	Grizzly 600	1998-01	98	BB/MO	YA-814BB
<b>YAMAHA 4-STROKE</b>									
YFZ-50	2017-22	39	CI	YA-5563	YFM-660 Raptor Liquid-Cooled	2001-06	100	RS	YA-7018
YFM-80 Moto-4, Badger 80 Grizzly 80, Raptor 80	1985-08	47	CI/MO	YA-941	YFM-660 Grizzly Liquid-Cooled	2002-08	100	RS	YA-7018
Raptor 90, Grizzly 90	2016-22	47	CI	YA-5691	YFM-660 Rhino Liquid-Cooled	2005-08	100	RS	YA-7018
YFM-100 Champ	1987-91	49	CI	YA-5022	YFM-660	2001-08	105	BB/MO	YA-7018B
YFA-125 Breeze	1989-05	49	CI	YA-5230	Big Bore to 727cc				
Grizzly 125	2005-13	49	CI	YA-5230	Raptor 700R (Cyl. No. 1S3) Liquid	2006-22	102	AC	YA-5609
Raptor 125	2012-13	54	RS	YA-5426	Grizzly 700 (Cyl. No. 384) Liquid	2007-15	102	AC	YA-5609
Tri-Moto 200, YFM, YTM 200	1984-91	67	CI	YA-762	Grizzly 700 (Cyl. No. 384) Liquid	2019-22	102	AC	YA-5609
BW-200N	1985-90	67	RS	YA-762	Grizzly 700 (Cyl. No. 2MB) Liquid	2016-18	103	AC	YA-5784
Tri-Moto 225, YFM, YTM 225	1984-89	70	RS	YA-812	Kodiak 700 (Cyl. No. 2MB) Liquid	2016-18	103	AC	YA-5784
YFB-250 Timberwolf	1990-00	71	RS	YA-5101	Kodiak 700 (Cyl. No. 3B4) Liquid	2019-22	102	AC	YA-5609
YFM-250 Bear Tracker	1999-04	71	RS	YA-5101	Rhino 700 (Cyl. No. 3B4) Liquid	2008-13	102	AC	YA-5609
YFM-250 Bruin	2005-06	71	RS	YA-5101	Viking 700 (Cyl. No. 3B4) Liquid	2014-22	102	AC	YA-5609
YFM-250 Big Bear	2007-09	71	RS	YA-5101	Wolverine 700 (Cyl. 2MB) Liquid	2016-18	103	AC	YA-5784
Raptor 250	2008-13	74	AC	YA-5679	Wolverine 850R Twin Liquid-Cooled	2018-22	82	AC	YA-5827
Raptor 250 Big Bore Sleeve to 280cc	2008-13	80	BB/MO	YA-5726	Wolverine RMAX 1000 Twin L/C	2021-22	93	AC	FL-5777
YFM-350	1987-14	83	RS	YA-5024	YXR-1000R Triple Liquid-Cooled	2016-22	80	AC	YA-5810
BW-350	1987-88	83	RS	YA-5024	YXR-1000R Siamese Flange Center Slv	2016-22	80	AC	YA-5810DF
Big Bear 350	1987-99	83	RS	YA-5024	YXR-1000R Siamese Flange End Sleeve	2016-22	80	ac	YA-5810SF
Bruin 350	2004-06	83	RS	YA-5024					
Grizzly 350	2007-14	83	RS	YA-5024					
Raptor 350	2005-13	83	RS	YA-5024					
Warrior 350	1987-05	83	RS	YA-5024					

# PERSONAL WATERCRAFT SLEEVES

Model	Cyl. ID	★	Part #	Model	Cyl. ID	★	Part #
<b>KAWASAKI JET SKI 2-STROKE</b>							
JS-300 Single	1986-93	76mm	CS	KA-951H			
JS-440 TWIN	1976-80	68mm	RS	KA-630			
JS-440 TWIN	1981-90	68mm	CC	KA-835			
JS-550 TWIN	1982-85	75mm	CS	KA-836			
JS-550 TWIN	1986-90	75mm	CC	KA-5033			
JS-550SX REED TWIN	1991-95	75mm	CI	KA-5135			
JS-650, JL, JF TWIN	1986-96	76mm	CS	KA-999			
JS-750SX A1, A2, A3, A4 TWIN	1992-95	80mm	CI	KA-5166			
JS-750SS A1, A2	1992-93						
SPECIAL HEAVY SLEEVE 3.600" O.D.		80mm	CS	KA-5166H			
JH-750 SSxi B1, B2, B3 TWIN	1993-95	80mm	CI	KA-5567			
JH-750 SS A3, A4	1994-95						
JH-750 XiR DI	1994						
JT-750 ST, A1, A1A, A2	1994-95						
Cylinder No. 22, 30							
SPECIAL HEAVY SLEEVE O.D. 3.600"		80mm	CS	KA-5567H			
JH-750 Zxi C1, C2, C3 TWIN	1995-97						
JH-750 SSxi F1, F2, SS E1, E2	1996-97						
JH-750 Xi Sport G1, G2	1998-99						
JS-750 SXi B1, B2	1995-96						
JS-750 SXi C1, C2, C3, C4, C5	1998-02						
JT-750 STS B1, B2, B3, STX C1	1995-98						
Cylinder No. 24, 31 and 49		80mm	CS	KA-5280H			
Cylinder No. 29		80mm	CS	KA-5685H			
800 SX-R TWIN	2003-11	82mm	CI	KA-5496			
Special Heavy O.D. Sleeve Repairs							
Broken Cylinder Skirts		82mm	CS	KA-5496H			
JH-900, JS-900, JT-900 TRIPLE	1995-06	73mm	CI	KA-5283			
Special Heavy O.D. Sleeve Repairs							
Broken Cylinder Skirts		73mm	CS	KA-5283H			
JH-1100, JT-1100 TRIPLE	1996-03	80mm	CI	KA-5303			
ULTRA 130 D.I.	2001-04						
Special Heavy O.D. Sleeve Repairs							
Broken Cylinder Skirts		80mm	CS	KA-5303H			
JH-1200, ULTRA 150 TRIPLE	1999-05	80mm	AC	KA-5415			
STX-R 1200	2002-05						
<b>KAWASAKI JET SKI 4-STROKE</b>							
STX-12F 1200cc INLINE 4 CYL.	2003-07	83mm	AC	KA-5433			
STX-15F INLINE 4-CYL. 1498cc	2004-22	83mm	AC	KA-5565			
ULTRA X, LX	2007-22						
SX-R JS1500	2017-22						
ULTRA 250X, LX	2007-08	83mm	AC	KA-5576			
ULTRA 260X, LX	2009-10						
ULTRA 300X, LX	2010-13						
ULTRA 310X	2014-22						
INLINE 4-CYL. 1498cc							
<b>SEA DOO 2-STROKE</b>							
SEA DOO 580 TWIN	1988	76mm	RS	FL-5102			
SEA DOO 580 TWIN	1989-96	76mm	RS	FL-5125			
SEA DOO 650 TWIN	1993-95	78mm	RS	FL-5244			
SEA DOO 750 TWIN	1995-05	82mm	RS	FL-5268			
GS, GSI, HX, GTI, GTS, XP							
SEA DOO 800 (785) TWIN	1995-05	82mm	RS	FL-5290			
GTI, GTX, GSX, SPX, XP RFI							
SEA DOO 800 (785) TWIN	1998-05	82mm	RS	FL-5583			
DIRECT INJECT MOTOR							
<b>SEA DOO 2-STROKE (Continued)</b>							
SEA DOO 951 TWIN	1997-06	88mm	RS	FL-5322			
GSX LTD, XP, GTX, LRV, RX							
SEA DOO 951 TWIN	2000-07	88mm	RS	FL-5578			
GTX, LRV, RX, XP, 3D, DIRECT INJECT							
<b>SEA DOO 4-STROKE</b>							
900 HO ACE 899cc TRIPLE	2014-22	74mm	AC	FL-5809			
1503, 1500 HO ACE 1494cc TRIPLE	2002-19	100mm	CI	FL-5500			
4-TEC, GTI 130, GTX LTD 230, RXT, WAKE							
<b>YAMAHA 2-STROKE</b>							
650 SUPER JET TWIN	1990-93	77mm	RS	YA-5139			
650 WAVE RUNNER VXR	1992-95						
650 WAVE RUNNER III	1996						
650 WAVE RUNNER ,LX TWIN	1991-93	77mm	RS	YA-5176			
650 WAVE RUNNER III	1990-95						
650 WAVERUNNER VXR	1991-92						
700 SUPER JET, WAVE RUNNER		81mm	RS	YA-5187			
701cc TWIN	1993-2019						
700 WAVE RAIDER DX TWIN	1995-05	81mm	RS	YA-5284			
WAVE VENTURE XL700							
GP760 TWIN	1996-00	84mm	RS	YA-5304			
WAVE BLASTER, WAVE RUNNER							
WAVE VENTURE, XL760							
800 GP, XL, XLT TWIN	1998-05	80mm	AC	YA-5356			
1100 WAVE RAIDER TRIPLE	1995-97	81mm	RS	YA-5282			
1100 WAVE VENTURE							
GP1200, XL1200		84mm	RS	YA-5349			
WAVE RUNNER TRIPLE	1997-99						
SUV1200	1999-04						
GP1200R TRIPLE	2000-02	80mm	AC	YA-5469			
XL 1200 LTD	1998-01						
XLT 1200	2001-05						
GP 1300R TRIPLE	2003-08	84mm	AC	YA-5502			
<b>YAMAHA WAVE RUNNER 4-STROKE</b>							
FX HIGH OUTPUT	2003-08	76mm	AC	YA-5566			
VX110	2008-09						
1052cc INLINE 4-CYL.							
FX 1800 CRUISER	2008-22	86mm	AC	YA-5688			
FX, FZR, HO, SHO, SVHO, VXR							
1812cc INLINE 4-CYL.							
GP-1800R INLINE 4-CYL.	2017-22	86mm	AC	YA-5688			
TR-1 HIGH OUTPUT, VX1050	2016-22	82mm	CI	YA-5802			
VX CRUISER, DELUXE, HO, LTD							
EX, EXR, DELUXE, SPORT,							
1049cc INLINE 3-CYL.							



# All Purpose Sleeves

## All Purpose Sleeves – No Flange

Cylinder I.D. *	3/32" Wall Part No.	O.D.	1/8" Wall Part No.	O.D.	Overall Length	Cylinder I.D. *	3/32" Wall Part No.	O.D.	1/8" Wall Part No.	O.D.	Overall Length
1-3/8"	LA-106	1-9/16"	L-106	1-5/8"	4-1/2"	2-3/4"	LA-212	2-15/16"	L-212	3"	8-1/4"
1-7/16"	LA-107	1-5/8"	L-107	1-11/16"	4-1/2"	2-13/16"	LA-213	3"	L-213	3-1/16"	8-1/4"
1-1/2"	LA-108	1-11/16"	L-108	1-3/4"	4-1/2"	2-7/8"	LA-214	3-1/16"	L-214	3-1/8"	8-1/4"
1-9/16"	LA-109	1-3/4"	L-109	1-13/16"	4-1/2"	2-15/16"	LA-215	3-1/8"	L-215	3-3/16"	8-1/4"
1-5/8"	LA-110	1-13/16"	L-110	1-7/8"	6-1/2"	3"	LA-300	3-3/16"	L-300	3-1/4"	8-1/4"
1-11/16"	LA-111	1-7/8"	L-111	1-15/16"	6-1/2"	3-1/16"	LA-301	3-1/4"	L-301	3-5/16"	8-1/4"
1-3/4"	LA-112	1-15/16"	L-112	2"	6-1/2"	3-1/8"	LA-302	3-5/16"	L-302	3-3/8"	9-1/4"
1-13/16"	LA-113	2"	L-113	2-1/16"	6-1/2"	3-3/16"	LA-303	3-3/8"	L-303	3-7/16"	9-1/4"
1-7/8"	LA-114	2-1/16"	L-114	2-1/8"	6-1/2"	3-1/4"	LA-304	3-7/16"	L-304	3-1/2"	9-1/4"
1-15/16"	LA-115	2-1/8"	L-115	2-3/16"	6-1/2"	3-5/16"	LA-305	3-1/2"	L-305	3-9/16"	9-1/4"
2"	LA-200	2-3/16"	L-200	2-1/4"	6-1/4"	3-3/8"	LA-306	3-9/16"	L-306	3-5/8"	9-1/4"
2-1/16"	LA-201	2-1/4"	L-201	2-5/16"	6-1/4"	3-7/16"	LA-307	3-5/8"	L-307	3-11/16"	9-1/4"
2-1/8"	LA-202	2-5/16"	L-202	2-3/8"	6-1/4"	3-1/2"	LA-308	3-11/16"	L-308	3-3/4"	9-1/4"
2-3/16"	LA-203	2-3/8"	L-203	2-7/16"	6-1/4"	3-9/16"	LA-309	3-3/4"	L-309	3-13/16"	9-1/4"
2-1/4"	LA-204	2-7/16"	L-204	2-1/2"	6-1/4"	3-5/8"	LA-310	3-13/16"	L-310	3-7/8"	9-1/4"
2-5/16"	LA-205	2-1/2"	L-205	2-9/16"	6-1/4"	3-11/16"	LA-311	3-7/8"	L-311	3-15/16"	9-1/4"
2-3/8"	LA-206	2-9/16"	L-206	2-5/8"	6-1/4"	3-3/4"	LA-312	3-15/16"	L-312	4.00"	10-1/4"
2-7/16"	LA-207	2-5/8"	L-207	2-11/16"	6-1/4"	3-13/16"	LA-313	4.00"	L-313	4-1/16"	10-1/4"
2-1/2"	LA-208	2-11/16"	L-208	2-3/4"	6-1/4"	3-7/8"	LA-314	4-1/16"	L-314	4-1/8"	10-1/4"
2-9/16"	LA-209	2-3/4"	L-209	2-13/16"	6-1/4"	3-15/16"	LA-315	4-1/8"	L-315	4-3/16"	10-1/4"
2-5/8"	LA-210	2-13/16"	L-210	2-7/8"	6-1/4"	4.00"	LA-400	4-3/16"	L-400	4-1/4"	10-1/4"
2-11/16"	LA-211	2-7/8"	L-211	2-15/16"	8-1/4"	4-1/16"	LA-401	4-1/4"	L-401	4-5/16"	10-1/4"

\*Sleeve has bore stock to allow boring to cylinder I.D. listed

## All Purpose Flanged Sleeves

Cylinder	I.D. *	O.D.	Flange O.D.	Flange Thickness	Overall Length	Part No.
47mm	1.850"	2.100"	2.225"	.200"	5.250"	FL-47
48mm	1.890"	2.140"	2.265"	.200"	5.250"	FL-48
49mm	1.930"	2.180"	2.305"	.200"	5.250"	FL-49
50mm	1.968"	2.220"	2.345"	.200"	5.250"	FL-50
52mm	2.047"	2.297"	2.422"	.200"	5.250"	FL-52
54mm	2.125"	2.375"	2.500"	.200"	5.250"	FL-54
56mm	2.205"	2.455"	2.580"	.200"	5.250"	FL-56
58mm	2.283"	2.530"	2.655"	.200"	6"	FL-58
60mm	2.362"	2.625"	2.750"	.200"	6"	FL-60
62mm	2.441"	2.690"	2.815"	.200"	6"	FL-62
64mm	2.520"	2.770"	2.895"	.200"	6"	FL-64
65mm	2.559"	2.810"	2.935"	.200"	6"	FL-65
66mm	2.598"	2.850"	2.975"	.200"	6"	FL-66
67mm	2.637"	2.890"	3.015"	.200"	6"	FL-67
68mm	2.677"	2.930"	3.055"	.200"	6"	FL-68
70mm	2.755"	3.005"	3.130"	.200"	6"	FL-70
72mm	2.835"	3.085"	3.210"	.200"	6"	FL-72
73mm	2.874"	3.125"	3.250"	.200"	6"	FL-73
74mm	2.913"	3.165"	3.290"	.200"	6"	FL-74
75mm	2.952"	3.200"	3.325"	.200"	6.500"	FL-75
76mm	2.992"	3.250"	3.375"	.200"	6.500"	FL-76
78mm	3.070"	3.320"	3.445"	.200"	6.500"	FL-78
80mm	3.150"	3.400"	3.525"	.200"	6.500"	FL-80
82mm	3.228"	3.480"	3.605"	.200"	6.500"	FL-82
83mm	3.267"	3.520"	3.645"	.200"	6.500"	FL-83
84mm	3.307"	3.560"	3.685"	.200"	6.500"	FL-84
86mm	3.386"	3.635"	3.760"	.200"	6.500"	FL-86
88mm	3.464"	3.715"	3.840"	.200"	6.500"	FL-88
89mm	3.503"	3.755"	3.880"	.200"	6.500"	FL-89

\*Sleeve has bore stock to allow boring to cylinder I.D. listed

Special flanged sleeves without ports and blank sleeves made to customer's specifications also available. Allow 6 weeks for delivery.



## Terms, Conditions & Policies

**BUSINESS HOURS:** 8:00 a.m. to 5:00 p.m. Monday through Thursday, 8:00 a.m. to 4:30 p.m. Friday. Closed weekends and holidays.

**MINIMUM ORDERS:** A \$15.00 minimum applies to all orders.

**PAYMENT:** C.O.D., Credit/Debit on first order. Company check accepted after first order and receiving LASCO customer code number. No personal checks accepted. Dealers whose checks are returned for non-sufficient funds will be placed on a CASH-ONLY basis. Mastercard, VISA, Discover, American Express and PayPal.

**PRICE CHANGES:** Prices are subject to change without notice. Your invoice will show the current net price and should be reviewed upon receipt.

**RETURNS:** L.A. SLEEVE will not accept any returned goods without prior authorization. No returns accepted after 30 days. Returned merchandise must be accompanied by the following:

- A return authorization number (call for number).
- Display number on outside of carton.
- A copy of original invoice.
- A letter of explanation.

Merchandise must be returned freight prepaid. Shortages and discrepancies must be reported within ten days of invoice date. Refused orders and/or unwarranted returns shall be subject to a 25% restock handling charge, in addition to any incurred shipping charges. Credit will not be given on merchandise returned without a written explanation. Credit will be issued for returns that are accepted. No returns are allowed on gaskets, carburetors, jets and carb parts. No credit is given for returns that are not in original condition, or if any parts of a kit are missing.

**FOREIGN COUNTRIES:** Foreign orders are shipped on a prepaid basis unless prior arrangement is made with L.A. SLEEVE CO. Payment must be sent in U.S. funds, Foreign checks and currency are not accepted. Contact L.A. SLEEVE CO. by telephone or e-mail before sending payment to confirm current prices and shipping charges.

**CYLINDER SLEEVING, BIG BORE KITS:** Please allow two (2) weeks plus shipping time. All modifications are done to your cylinder unless otherwise specified. When sending your cylinder and parts, please remove all manifolds, studs, bolts, power valves, etc. We are not responsible for any lost parts. Package your cylinder and head upright in a sturdy box with plenty of paper and cardboard. Include your piston if we are not supplying one. Always include instructions inside the package, stating cylinder make, model and year, what work you want done, and if you want L.A. SLEEVE to provide the piston and a new gasket. Include your return address and phone number on the instruction sheet. Dealers, include a business card.

### WE WILL NOT BEGIN ANY WORK WITHOUT WRITTEN INSTRUCTIONS.

**LATE ORDERS:** Dealers, please allow (ten) full working days before calling to check on orders that have not arrived. Much time is wasted looking up orders that have been shipped but that you have not allowed enough time for transit. Please cooperate with us on this. Do not use toll-free numbers when checking orders, call on (562) 945-7578. **DO NOT CALL COLLECT.** During peak seasons call your orders in early to assure delivery when you need it. Ordering Wednesday afternoon and requesting air shipping service will not always get your goods to you for the race on Saturday or Sunday.

**SHIPPING:** We ship all orders U.P.S. whenever possible. Second day air (Blue Label), next day air (Red Label), and 3-Day Select (Orange) services are available in addition to regular ground service. Parcel post and priority mail shipping is available also.

**CHANGE OF ADDRESS:** Please inform us of changes to your shipping or mailing address, telephone and e-mail address. This will ensure that you continue to receive good service from L.A. SLEEVE Co., and that we can provide you with updated information and catalogs.

## Los Angeles Sleeve Co., Inc. Limited Warranty

Los Angeles Sleeve Co. warrants this product will be free from defects in material and workmanship for thirty (30) days following date of original purchase. If the product is found by LOS ANGELES SLEEVE CO. to be defective, such products will, at LOS ANGELES SLEEVE CO.'s option, be replaced or repaired at cost to LOS ANGELES SLEEVE CO. All products alleged by Purchaser to be defective must be returned to LOS ANGELES SLEEVE CO., postage prepaid, within the thirty (30) days warranty period.

### THIS LIMITED WARRANTY DOES NOT COVER LABOR OR OTHER COSTS OR EXPENSES INCIDENTAL TO THE REPAIR AND/OR REPLACEMENT OF PRODUCTS OR PARTS.

This limited warranty does not apply to any products which has been subject to misuse, mishandling, misapplication, neglect (including but not limited to improper maintenance), accident, improper installation, modification (including but not limited to use of unauthorized parts or attachments), or adjustment or repair performed by anyone other than LOS ANGELES SLEEVE CO.

The parties hereto expressly agree that the Purchaser's sole and exclusive remedy against LOS ANGELES SLEEVE CO. shall be for the repair or replacement of the defective product as provided in this limited warranty. This exclusive remedy shall not be deemed to have failed of its essential purpose so long as LOS ANGELES SLEEVE CO. is willing and able to repair or replace defective goods.

**THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER  
WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THOSE  
OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR  
PURPOSE NOT EXPRESSLY SET FORTH HEREIN. ANY  
PRODUCT WHICH MAY BE SOLD BY LOS ANGELES SLEEVE  
CO. BUT WHICH IS NOT MANUFACTURED BY LOS ANGELES  
SLEEVE CO. IS NOT WARRANTED BY LOS ANGELES SLEEVE  
CO. BUT IS SOLD ONLY WITH THE WARRANTIES, IF ANY, OF**

### THE MANUFACTURERS THEREOF.

LOS ANGELES SLEEVE CO.'S LIABILITY (WHETHER UNDER THE THEORIES OF BREACH OF CONTRACT OR WARRANTY, NEGLIGENCE OR STRICT LIABILITY) FOR ITS PRODUCTS SHALL BE LIMITED TO REPAIRING OR REPLACING PARTS FOUND BY LOS ANGELES SLEEVE CO. TO BE DEFECTIVE, OR AT LOS ANGELES SLEEVE CO.'S OPTION, TO REFUND THE PURCHASE PRICE OF SUCH PRODUCT. IN NO EVENT SHALL LOS ANGELES SLEEVE CO. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE PRODUCT. CONSEQUENTIAL DAMAGES SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY (INCLUDING DEATH) TO ANY PERSON, OR LOSS OF OR DAMAGE TO PROPERTY.

Any claim by Purchaser regarding this product shall be deemed waived by the Purchaser unless submitted to LOS ANGELES SLEEVE CO. within the earlier of (i) fifteen (15) days following the date Purchaser discovered, or by reasonable inspection should have discovered, any claimed breach of this limited warranty, or (ii) thirty (30) days following the date of original purchase. Any cause of action for breach of this limited warranty shall be brought within six months from the date the alleged breach was discovered or should have been discovered, whichever occurs first.

Some states do not allow limitations on how long an implicit warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



*Weather Treated*

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