



WISECO PISTON

Forged Piston Kits



Note: For our Product Descriptions "XL" denotes for Sportster models (including XLH, XLCH, XLS).

Wiseco High Performance Forged Piston Sets include 2 pistons that are forged from a high Silicone alloy, 2 ring sets (either Wiseco XC or Hastings X style), 2 wrist pins and 4 circlips. Wiseco rings sold per piston.



1972-85 1000 Sportster 10:1 Compression 3³/₁₆" Bore. Piston Kits include Hastings X Ring.					
	Standard	.010	.020	.030	.040
Piston Kit	11-9720	11-9721	11-9722	11-9723	11-9724
Rings	11-9748	11-9749	11-9750	11-9751	11-9752
1986-up 883 XL Evolution Overbore to 1200cc Rev Dome 8.5:1 Compression 3¹/₂" Bore. Piston Kits include Hastings X Ring. *Note: 2009-up cylinders cannot be overbored. Requires the purchase of 1200cc cylinder to be used with piston kit.					
	Standard	.010	.020		
Piston Kit	11-9945	—	—		
Rings	11-9759	11-9762	11-9760		
1986-up Piston Kits include Hastings X Ring Pack. 883 XL Evolution Overbore to 1200cc. 9.5:1 Rev Dome Compression 3 ¹ / ₂ " Bore. *Note: 2009-up cylinders cannot be overbored. Requires the purchase of 1200cc cylinder to be used with piston kit.					
	Standard	.010	.020	.030	.040
Piston Kit	11-9885	11-9886	11-9887	11-9888	11-9889
Rings	11-9759	11-9762	11-9760	11-9764	11-9765
1986-up 883 XL Overbore to 1200cc Rev Dome 10:1 Compression 3¹/₂" Bore Piston Kit includes Hastings X-Ring Pack. *Note: 2009-up cylinders cannot be overbored. Requires the purchase of 1200cc cylinder to be used with piston kit.					
	Standard	.010	.020		
Piston Kit	11-9846	11-9847	11-9848		
Rings	11-9759	11-9762	11-9760		
1988-2003 1200 XL, 1986-1987 1100 XL Evolution Flat Top 9:1 Compression. Piston Kit includes Wiseco XC Ring.					
	.017	.027	.037	.047	
Piston Kit				11-9861	
Rings			11-9863		
1988-2003 1200 XL, 1986-1987 1100 XL Piston Kits include Hastings X Ring Pack. 1200cc XL Evo 9:1 Compression with flat top piston.					
	Standard	.010	.020	.030	.040
Piston Kit	11-9890	11-9891	11-9892	11-9893	—
Rings	11-9759	11-9762	11-9760	11-9764	11-9765
1988-2003 1200 XL, 1986-1987 1100 XL Evolution 10.5:1 Compression. Piston Kits include Hastings X-Ring Pack					
	Standard	.010	.020	.030	.040
Piston Kit	11-9913	11-9914	11-9915	11-9916	11-9917
Rings	11-9759	11-9762	11-9760	11-9764	11-9765
2004-up 1200 XL Evolution 10.5:1 Compression. Piston Kits include Hastings X-Ring Pack.					
	Standard	.010	.020		
Piston Kit	11-9954	11-9955	11-9956		
Rings	11-9759	11-9762	11-9760		



S&S Button Style Keepers control wrist pin end play which varies with bore size. Button style keepers must be fully supported by wrist pin hole. Sold in pairs. 3³/₁₆" bore, standard to +.070, Aluminum. VT No. 11-2170



Wiseco Replacement Wrist Pins

are sold each.

VT No. Bore Size

11-9776 3³/₁₆" and 3⁷/₁₆"

11-9852 3¹/₂" 883 Evolution



Wiseco Replacement Circlips fit all 3³/₁₆" bored pistons, sold as a pair.

VT No. 11-9779



KB PERFORMANCE PISTONS

*Note: 2009-up cylinders cannot be overbored. Requires the purchase of 1200cc cylinder to be used with piston kit.

Engine	1000cc Sportster	1200cc Evolution	1200cc Evolution	883 to 1200cc Conversion
Model	XLH-XLCH	XL	XL 1988-up	XL
Years	1972-85	1988-up	w/High Cam	1986-up
C.I.D.	61"	74"	74"	74"
Bore	3.188"	3.498"	3.498"	3.498"
Stroke	3.812"	3.812"	3.812"	3.812"
Head Type	Dome	Flat Top	Flat Top	Dish
Cyl Height	5.330"	4.650"	4.650"	4.650"
Comp. Ratio	8.2	9.0:1	8.9:1	10.0:1
Standard	11-2240	11-2210	11-2245	11-2228
.005	—	11-2211	11-2246	11-2229
.010	11-2241	11-2212	11-2247	11-2230
.020	11-2242	11-2213	11-2248	11-2231
.030	11-2243	11-2214	11-2249	11-2232
.040	11-2244	11-2215	11-2250	11-2233

The Keith Black 390 Hypereutectic alloy is cast in a permanent steel mold which makes it possible to build a light weight piston that makes more power, runs quietly, uses less fuel and lasts longer than any other type of piston being made today. We can now forget about running loose, noisy, oil-burning pistons. The low heat transfer of the alloy keeps the skirts cool so piston expansion is minimal.

The KB piston will make maximum power at 2 to 4 degrees less total timing than conventional pistons. All KB pistons sets are supplied with Hastings Moly Ring sets.

APPLICATION	RING END GAP FACTOR	PISTON TO WALL CLEARANCE
Street Normally Aspirated	.0065"	.0075"-.0015"
Street Nitrous or Supercharged	.0080"	.0015"-.0025"
Flat Track Gasoline	.0080"	.0010"-.0030"
Flat Track Alcohol	.0060"	.0010"-.0030"
Drag Gasoline	.0075"	.0010"-.0030"
Drag Alcohol	.0065"	.0010"-.0030"
Drag Supercharged or Nitrous Gas	.0095"	.0015"-.0030"
Drag Supercharged Alcohol	.0085"	.0010"-.0030"
Drag Supercharged Fuel	.0115"	.0020"-.0040"

Note: It is important to use our ring end gap instructions to avoid ring butting. Safe top ring end gaps can be found by multiplying the bore diameter by the appropriate ring end gap factor from the adjoining chart. **Example:** 3.5" bore "Street Normally Aspirated" = 3.5" bore x .0065" = .023" top ring end gap.

Note: Second ring end gaps do not need extra clearance.