

Bill Wossner

FORGED HIGH PERFORMANCE PISTONS
FOR

HARLEY DAVIDSON®



2012

2013



Wossner®
HIGH PERFORMANCE PISTONS
RESEARCH & DEVELOPMENT



We are the innovative specialists for high performance pistons. Our products are to be found in engines operating at the highest levels of motor sport, in competition and, of course, in everyday use – in fact, anywhere where longevity and operational noise are important factors.

Wössner pistons are the source of the superior power behind the success of well known motor sport teams at national and inter-national race meets.



The high quality of Wössner forged high performance pistons starts with our employees who have a passion for all forms of motorsports racing from Formula 1 down to Karting and everything in between. Wössner works with customers at the highest level of motorsports racing as well as OEM suppliers.

With Wössner's commitment to quality, we have invested heavily and have acquired our own forging company (Forging Group Monale) two years ago which is EN ISO 9001:2008 certified company located in Italy. With FGM being a premier forging manufacture, they are selected by many large OEM companies seeking quality forged parts from as small as a few grams up to several pounds .

Wössner is now in complete control from the very start of the material sourcing right through the manufacturing process, this gives Wössner a competitive advantage over most competitors and our quality management team assures only the highest quality components will leave from our facilities.

Wössner - the driving force!

FORGED WÖSSNER PISTON KITS FOR HARLEY DAVIDSON®




883 Evo Sportster to 1200cc & Overbore to 1200cc	4
1200 Evo Sportster & 1100 Evo Sportster	4
1200 Sportster Big Bore	5
1200 Big Bore	5
1340 Evo Big Twin	6
1340 Big Bore Stroker Kit	6
1340 Evo 3 5/8" Big Bore	7
Big Bore Kit 1340 Evo 3 3/4" Stock stroke	8
Buell XB9R Firebolt & XB9S Lightning	8 - 9
1200 Buell & XB12R Firebolt & XB12S Lightning Big Bore	9
1200 Buell Big S1 White Lightning & S3/S3 T Thunderbolt ..	10
1200 Buell XB12 R Firebolt & XB12S Lightning & 1200 Buell Stroke 3.812"	10
1200 Buell Big Bore Kit XB12R Firebolt & XB12S Lightning	11
Twin Cam 88"	11 - 12
Twin Cam 88" Big Bore	12 - 14
Twin Cam Big Bore	14 - 16
1340 Shovelhead	17
1200 FL-FLH Panhead & Shovelhead	18
Revtech 100"	19
Revtech 110"	19
XR750 2-Ring Version	20
XR750 3-Ring Version	20
V-Rod Screaming Eagle V-Rod & VRSCX V-Rod	20
Ringlist	21
Pinlist	22
Warranties	23

PISTON KITS FOR HARLEY-DAVIDSON®

883 Evo Sportster to 1200cc & Overbore to 1200cc (73 cu. in.) 1986-2011

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins


Compression ratio: 9:1 Reverse Dome

							
Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8536DA-2	1204cc	3.502"	3.812"	Std.	890XSY	CW20	WP021
K8536D025-2	1209cc	3.512"	3.812"	+0.010"	892XSY	CW20	WP021
K8536D050-2	1217cc	3.522"	3.812"	+0.020"	895XSY	CW20	WP021
K8536D100-2	1231cc	3.541"	3.812"	+0.039"	900XSY	CW20	WP021

1200 Evo Sportster (73 cu. in.) 1988-2003 & 1100 Evo Sportster 1986-1987

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 9:5:1 Domed

							
Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8618DA-2	1204cc	3.501"	3.812"	Std.	890XSY	CW20	WP021
K8618D025-2	1209cc	3.511"	3.812"	+0.010"	892XSY	CW20	WP021
K8618D050-2	1217cc	3.521"	3.812"	+0.020"	895XSY	CW20	WP021
K8618D075-2	1223cc	3.531"	3.812"	+0.030"	897XSY	CW20	WP021
K8618D100-2	1231cc	3.540"	3.812"	+0.039"	900XSY	CW20	WP021




All EVO Sportster & Buell models with stock 1200 heads

PISTON KITS FOR HARLEY-DAVIDSON®

1200 Sportster Big Bore 3 13/16" (88 cu. in.) 2004-2007

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins




Compression ratio: 10.5:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over- sized (inch)	  		
					Ring Set Part No.	Clip Part No.	Pin Part No.
					890XSY	CW20	WP021
					892XSY	CW20	WP021
K8619DA-2	1200cc	3.501"	3.813"	Std.	890XSY	CW20	WP021
K8619D025-2	1207cc	3.511"	3.813"	+0.010"	892XSY	CW20	WP021
K8619D050-2	1214cc	3.521"	3.813"	+0.020"	895XSY	CW20	WP021

1200 Big Bore 3 13/16" (88 cu. in.) Stroke 3.812"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10.5:1 Reverse Dome

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over- sized (inch)	  		
					Ring Set Part No.	Clip Part No.	Pin Part No.
					970XSY	CW20	WP021
					970XSY	CW20	WP021
K8620DA-2	1430cc	3.816"	3.813"	Std.	970XSY	CW20	WP021

**Cases must be bored to accept big borge cylinders
Must use aftermarket Big Bore cylinders**

PISTON KITS FOR HARLEY-DAVIDSON®

1340 Evo Big Twin (80 cu. in.) 1984-1999 Stroke: 4.250"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 9.5:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8542DA-2	1340cc	3.498"	4.250"	Std.	088.91TS	CW20	WP021
K8542D020-2	1342cc	3.505"	4.250"	+0.003"	089.00TS	CW20	WP021
K8542D070-2	1351cc	3.525"	4.250"	+0.023"	089.50TS	CW20	WP021
K8542D090-2	1361cc	3.534"	4.250"	+0.032"	089.67TS	CW20	WP021
K8542D120-2	1372cc	3.546"	4.250"	+0.044"	090.00TS	CW20	WP021

1340 Big Bore Stroker Kit 1984-1999 Stroker: 4 5/8"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 9.5:1 Flat top



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8621DA-2	1664cc	3.738"	4.625"	Std.	950XSX	CW20	WP021

PISTON KITS FOR HARLEY-DAVIDSON®

1340 EVO 3 5/8" Big Bore (80 cu. in.) 1984-1999

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Cases must be bored!

Compression ratio: 9.5:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8850DA-2	1563cc	3.625"	4.625"	Std.	920XS	CW20	WP021

Must use aftermarket engine case on 1990-1995 models only



Brian Smith
wins in Beulah Parc,
Grove City OH at
Wössner pistons

PISTON KITS FOR HARLEY-DAVIDSON®

93.4 cu. in. Big Bore Kit 1340 Evo 3 3/4 1984-1999 Stock Stroke

Cases must be bored!

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 9.5:1 Flat Top



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8533DA-2	1530cc	3.738"	4.250"	Std.	950XSY	CW20	WP021

Must use aftermarket engine case

Buell XB9R Firebolt & XB9S Lightning

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8623DA-2	985cc	3.501"	3.125"	Std.	890XSY	CW20	WP021
K8623D025-2	990cc	3.511"	3.125"	+0.009"	892XSY	CW20	WP021
K8623D050-2	996cc	3.521"	3.125"	+0.019"	895XSY	CW20	WP021

PISTON KITS FOR HARLEY-DAVIDSON®

Buell XB9R Firebolt & XB9S Lightning

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 12.3:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8624DA-2	1170cc	3.817"	3.512"	Std.	970XSY	CW20	WP021

1200 Buell & XB12R Firebolt 2004-2009 & XB12S Lightning Big Bore 2004-2009 Race only Stroke 3.812"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 14:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8628DA-2	1430cc	3.816"	3.812"	Std.	970XSY	CW20	WP021

PISTON KITS FOR HARLEY-DAVIDSON®

73 cu. In. 1200cc Buell Big S1 White Lightning 1996-1998 S3/S3 T Thunderbolt 1997-2002

No cylinder head modification required

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8625DA-2	1204cc	3.501"	3.812"	Std.	890XSY	CW20	WP021
K8625D025-2	1209cc	3.511"	3.812"	+0.013"	892XSY	CW20	WP021
K8625D050-2	1217cc	3.521"	3.812"	+0.023"	895XSY	CW20	WP021
K8625D075-2	1223cc	3.531"	3.812"	+0.033"	897XSY	CW20	WP021
K8625D100-2	1231cc	3.541"	3.812"	+0.043"	900XSY	CW20	WP021

1200 Buell XB12 R Firebolt 2004-2007 XB12S Lightning 2004-2007 Race only 73 cu. In. 1200cc Buell Stroke 3.812"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 12:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8626DA-2	1204cc	3.501"	3.812"	Std.	890XSY	CW20	WP021
K8626D025-2	1209cc	3.511"	3.812"	+0.013"	892XSY	CW20	WP021
K8626D050-2	1217cc	3.521"	3.812"	+0.023"	895XSY	CW20	WP021

PISTON KITS FOR HARLEY-DAVIDSON®

88 cu. in. 1200CC Buell Big Bore Kit XB12R Firebolt 2004-2007 XB12S Lightning 2004-2007 Stroke 3.812"

Cases must be bored!

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10.5:1 Reverse Dome



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8629DA-2	1430cc	3.818"	3.812"	Std.	970XSY	CW20	WP021

Must use aftermarket Big Bore cylinders

Twin Cam 88" (88 cu. in.) 1999-2006

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 8.5:1 Flat Top



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8594D025-2	1453cc	3.758"	4.000"	+0.010"	955XSY	CW23x1.6	WP056
K8594D075-2	1468cc	3.778"	4.000"	+0.030"	960XSY	CW23x1.6	WP056
K8594D125-2	1483cc	3.797"	4.000"	+0.049"	965XSY	CW23x1.6	WP056
K8594D175-2	1499cc	3.817"	4.000"	+0.069"	970XSY	CW23x1.6	WP056
K8594D225-2	1514cc	3.837"	4.000"	+0.089"	975XSY	CW23x1.6	WP056
K8594D275-2	1530cc	3.856"	4.000"	+0.108"	980XSY	CW23x1.6	WP056
K8594D375-2	1561cc	3.896"	4.000"	+0.148"	990XSY	CW23x1.6	WP056
K8594D425-2	1577cc	3.915"	4.000"	+0.167"	995XSY	CW23x1.6	WP056
K8594D475-2	1593cc	3.935"	4.000"	+0.187"	1000XSY	CW23x1.6	WP056

Twin Cam 88" (88 cu. in.) 1999-2006

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8595D025-2	1453cc	3.758"	4.000"	+0.010"	955XSY	CW23x1.6	WP056
K8595D075-2	1468cc	3.778"	4.000"	+0.030"	960XSY	CW23x1.6	WP056
K8595D125-2	1483cc	3.797"	4.000"	+0.049"	965XSY	CW23x1.6	WP056
K8595D175-2	1499cc	3.817"	4.000"	+0.069"	970XSY	CW23x1.6	WP056
K8595D225-2	1514cc	3.837"	4.000"	+0.089"	975XSY	CW23x1.6	WP056
K8595D275-2	1530cc	3.856"	4.000"	+0.108"	980XSY	CW23x1.6	WP056
K8595D375-2	1561cc	3.896"	4.000"	+0.148"	990XSY	CW23x1.6	WP056
K8595D425-2	1577cc	3.915"	4.000"	+0.167"	995XSY	CW23x1.6	WP056
K8595D475-2	1593cc	3.935"	4.000"	+0.187"	1000XSY	CW23x1.6	WP056

Twin Cam 88" Big Bore (100 cu. in.) 1999-2012 W | 4" Stroke Crank

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8634DA-2	1650cc	3.997"	4.000"	Std.	1016XSU	CW23x1.6	WP056

Crankcase boring required

Twin Cam 88" Big Bore (110 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8845DA-2	1802cc	3.997"	4.000"	Std.	1016XSU	CW23X1.6	WP056



Twin Cam 88" Big Bore (117 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8851DA-2	1917cc	4.122"	4.000"	Std.	104.75TS	CW23X1.6	WP056



Twin Cam 88" Big Bore (103 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8855D015-2	1691cc	3.872"	4.000"	+0.005"	098.40TS	CW23X1.6	WP056
K8855D040-2	1700cc	3.882"	4.000"	+0.015"	098.65TS	CW23X1.6	WP056



PISTON KITS FOR HARLEY-DAVIDSON®

Twin Cam 88" Big Bore (103 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8856D015-2	1691cc	3.872"	4.000"	+0.005"	098.40TS	CW23X1.6	WP056
K8856D040-2	1700cc	3.882"	4.000"	+0.015"	098.65TS	CW23X1.6	WP056



Twin Cam 88" Big Bore (103 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8857D015-2	1691cc	3.872"	4.000"	+0.005"	098.40TS	CW23X1.6	WP056
K8857D025-2	1695cc	3.877"	4.000"	+0.010"	098.55TS	CW23X1.6	WP056
K8857D040-2	1700cc	3.882"	4.000"	+0.015"	098.65TS	CW23X1.6	WP056



Twin Cam Big Bore (106 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8858DA-2	1748cc	3.934"	4.000"	Std.	1000XSY	CW23X1.6	WP056






PISTON KITS FOR HARLEY-DAVIDSON®

Twin Cam Big Bore (107 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins




Compression ratio: 10:1 Domed

							
Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8848DA635-2	1752cc	4.122"	4.000"	Std.	104.65TS	CW23X1.6	WP056

Twin Cam Big Bore (100 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins




Compression ratio: 10:1 Domed

							
Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8847DA-2	1650cc	3.997"	4.000"	Std.	1016XSU	CW23X1.6	WP056

Twin Cam Big Bore (97 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

							
Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8848DA160-2	1650cc	3.934"	4.000"	Std.	1000XSY	CW23X1.6	WP056

Twin Cam Big Bore (95 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8849DA-2	1550cc	3.872"	4.000"	Std.	098.40TS	CW23X1.6	WP056



Twin Cam Big Bore (113 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8852DA-2	1880cc	4.247"	4.000"	Std.	107.95TS	CW23X1.6	WP056



Twin Cam Big Bore (124 cu. in.) 1999-2012

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 10:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8858DA800-2	2035cc	4.247"	4.000"	Std.	107.95TS	CW23X1.6	WP056



1340 Shovelhead (80 cu. in.) 1978-1984

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 9.5:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8841DA-2	1340cc	3.497"	4.250"	Std.	088.91TS	CW20	WP093
K8841D025-2	1345cc	3.507"	4.250"	+0.010"	089.15TS	CW20	WP093

Compression ratio: 7:1 Domed

K8843DA-2	1340cc	3.498"	4.250"	Std.	088.91TS	CW20	WP093
K8843D025-2	1345cc	3.507"	4.250"	+0.010"	089.15TS	CW20	WP093
K8843D050-2	1353cc	3.517"	4.250"	+0.020"	089.40TS	CW20	WP093
K8843D075-2	1361cc	3.527"	4.250"	+0.030"	089.65TS	CW20	WP093
K8843D100-2	1367cc	3.537"	4.250"	+0.040"	089.90TS	CW20	WP093

Compression ratio: 8.5:1 Domed

K8844DA-2	1340cc	3.497"	4.250"	Std.	088.91TS	CW20	WP093
K8844D050-2	1353cc	3.517"	4.250"	+0.020"	089.40TS	CW20	WP093
K8844D075-2	1361cc	3.527"	4.250"	+0.030"	089.65TS	CW20	WP093



PISTON KITS FOR HARLEY-DAVIDSON®

1200 (74 cu. in.) FL-FLH Panhead 1948-1965 & Shovelhead 1966-1977

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 8.5:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8854D015-2	1211cc	3.444"	3.968"	+0.007"	875XSK	CW20	WP093
K8854D070-2	1225cc	3.464"	3.968"	+0.027"	880XSK	CW20	WP093
K8854D095-2	1232cc	3.474"	3.968"	+0.037"	882XSK	CW20	WP093
K8854D120-2	1239cc	3.484"	3.968"	+0.047"	885XSK	CW20	WP093
K8854D145-2	1246cc	3.494"	3.968"	+0.057"	887XSK	CW20	WP093
K8854D215-2	1267cc	3.521"	3.968"	+0.084"	895XSK	CW20	WP093

1200 (74 cu. in.) FL-FLH Panhead 1948-1965 & Shovelhead 1966-1977

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 8.5:1 Domed



Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8688DA-2	1200cc	3.437"	3.968"	Std.	875XSY	CW20	WP093
K8688D020-2	1213cc	3.444"	3.968"	+0.007"	087.65TS	CW20	WP093
K8688D070-2	1220cc	3.464"	3.968"	+0.027"	880XSY	CW20	WP093
K8688D120-2	1234cc	3.484"	3.968"	+0.047"	885XSY	CW20	WP093

Shovelhead only




K8688D170-2	1249cc	3.503"	3.968"	+0.066"	890XSY	CW20	WP093
K8688D220-2	1263cc	3.523"	3.968"	+0.086"	895XSY	CW20	WP093

PISTON KITS FOR HARLEY-DAVIDSON®

Revtech 100"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins




Compression ratio: Reverse Dome

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over- sized (inch)			
					Ring Set Part No.	Clip Part No.	Pin Part No.
					970XSK	CW20	WP021
					970XSK	CW20	WP021
K8685DA-2RED	1633cc	3.812"	4.375"	Std.	970XSK	CW20	WP021
K8685DA-2BLUE	1638cc	3.816"	4.375"	+0.006"	970XSK	CW20	WP021
K8685DA-2YELLOW	1648cc	3.822"	4.375"	+0.017"	970XSK	CW20	WP021

Revtech 110"

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: Flat Top

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over- sized (inch)			
					Ring Set Part No.	Clip Part No.	Pin Part No.
					1016XSU	CW20	WP021
					1016XSU	CW20	WP021
K8684DA-2RED	1798cc	3.996"	4.375"	Std.	1016XSU	CW20	WP021
K8684DA-2BLUE	1798cc	3.997"	4.375"	+0.009"	1016XSU	CW20	WP021
K8684DA-2YELLOW	1798cc	4.010"	4.375"	+0.017"	1016XSU	CW20	WP021

PISTON KITS FOR HARLEY-DAVIDSON®

XR750 2-Ring Version all

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 12.5:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8680DA-2	977cc	3.156"	3.812"	Std.	802XDS	CW20	WP021



XR750 3-Ring Version all

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 12.5:1 Domed

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8681DA-2	980cc	3.159"	3.812"	Std.	802XDS	CW20	WP021



80cu. In 1320cc Big Bore Kit Screaming Eagle V-Rod 1250cc 2006 VRSCX V-Rod 1250cc 2007 2008 + V-Rod Models 1250cc

Includes: Forged high performance pistons (skirt coated)
rings, clips, pins

Compression ratio: 12:1 Reverse Dome

Piston Kit Part No.	Displ. (cc)	Piston Size (inch)	Stroke	Over-sizes (inch)	Ring Set Part No.	Clip Part No.	Pin Part No.
K8698DA-2	1320cc	4.250"	2.835"	Std.	108.00TS	CW22	WP009



RINGLIST



Material
Top Ring: Steel
Second Ring: Cast
Oil Ring: -

Part No.	Ø (inch)	Top Ring (inch)	Second Ring (inch)	Oil Ring (inch)
802XDS	3.159	0.039	0.047	0.079
890XSY	3.504	0.039	0.047	0.098
892XSY	3.514	0.039	0.047	0.098
895XSY	3.524	0.039	0.047	0.098
897XSY	3.533	0.039	0.047	0.098
900XSY	3.543	0.039	0.047	0.098
950XSY	3.740	0.039	0.047	0.098
955XSY	3.760	0.039	0.047	0.098
960XSY	3.780	0.039	0.047	0.098
965XSY	3.799	0.039	0.047	0.098
970XSY	3.819	0.039	0.047	0.098
975XSY	3.839	0.039	0.047	0.098
980XSY	3.858	0.039	0.047	0.098
990XSY	3.898	0.039	0.047	0.098
995XSY	3.919	0.039	0.047	0.098
1000XSY	3.937	0.039	0.047	0.098
1016XSU	4.000	0.047	0.059	0.098

Recommendation for the installation of piston ring sets

The rings are installed with suitable piston ring pliers, starting with the lowest ring. Excessive opening of the rings is to be avoided, since this could lead to deformation of the rings. If the rings are deformed, they are no longer able to provide a perfect seal.

It is of vital importance that the mark be observed.

Rings that have the mark (TE/diameter) are to be fitted with the marking facing upwards towards the piston crown. Special care is needed for the installation of steel rail rings. After the spring has been loaded, the rails are to be mounted so that rail end gaps point towards the pin hole. When the upper rail is being installed, the ends of the spring must be held together so as to prevent overlapping. After this, the lower rail is to be installed. In the case of pistons with rotation prevention in the ring grooves, care must be taken to ensure that the ring gaps are positioned alongside the securing pins.

After the rings have been installed, the ring end gaps are to be spread evenly around the circumference (for example at 120 degree intervals for a 3-ring piston).

Ring end gap: from 80.00 mm (3.150") up to 101.60 mm (4.000") 0,30 mm – 0,50 mm (0.012" – 0.020")

PINLIST



Part No.	Dimensions	Typ	Weight
WP091	12x8x37,5	S	18 gr
WP058	14x10x38,5	T	21 gr
WP025	14x9x45	S	31 gr
WP032	15x10x45L	T	33 gr
WP011	15x9x45H	S	38 gr
WP036	16x10x45	T	41 gr
WP041	16x10,5x51	T	42 gr
WP059	16x10x45	CT	44 gr
WP087	16x10x37	CT	33 gr
WP027	16x11x56	T	46 gr
WP089	17x10x58	CT	63 gr
WP090	17x10x51	CT	55 gr
WP045	17x11x61	CS	63 gr
WP053	18x10x51H	CT	68 gr
WP953	18x10x51H	CT/DLC	68 gr
WP054	18x11x45	CT	54 gr
WP049	18x12x45	CT	46 gr
WP099	18x9,0x51	CT	68 gr
WP031	18x11x51	CT	58 gr
WP039	18x12x56H	T	59 gr
WP042	18x12x62,8	T	71 gr
WP040	18x13x53	T	47 gr
WP033	18x13x56L	T	49 gr
WP096	19,46x12x51	CT	66 gr
WP035	19,46x12x61	CT	80 gr
WP037	19x10x51H	CT	75 gr
WP028	19x12x46	CT	56 gr
WP018	19x12x48	CT	58 gr
WP050	19x12x51	CT	62 gr
WP026	19x12x55,5	CT	68 gr
WP044	19x13x56,4	T	62 gr
WP019	19x13x61	S	73 gr

Part No.	Dimensions	Typ	Weight
WP052	20x12x55	CT	76 gr
WP029	20x13x46	CT	58 gr
WP038	20x13x51	CT	66 gr
WP061	20x11x61	CT	105 gr
WP020	20,12x12x51	CT	73 gr
WP093	0,792x13x72	CS	104 gr
WP021	20,12x12x56	CT	82 gr
WP095	20,63x13x55	CT	79 gr
WP013	21x13,5x46	CT	73 gr
WP051	21x13,5x51	CT	75 gr
WP092	21x12x61	CS	111 gr
WP034	21x13x55,5	CT	86 gr
WP055	22x14x46	CT	69 gr
WP009	22x14x51	CT	76 gr
WP097	22x12x46	CS	96 gr
WP098	22x13x51	CT	99 gr
WP062	22x12x61	CT	-
WP017	22x14x56	CT	87 gr
WP046	22x14x63	CT	98 gr
WP008	23x13x50,5	CT	98 gr
WP094	23x13x61	CT	126 gr
WP047	23x13x50,5	CS	112 gr
WP024	23x15x55,5	CT	95 gr
WP060	23,5x15,9x51	CT	86 gr
WP056	23,546x15,9x56	CT	96 gr
WP023	24x16x51	CT	92 gr
WP057	24x17x56	CT	90 gr
WP022	24x16x63,5	CT	121 gr

S = Cylindrical drilling

T = Conical drilling

C = chromium plated and only for 4-stroke engines.

Wössner GmbH - LIMITED PISTON WARRANTY

Wössner 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 Wössner to be defective, such products will, at Wössner's option, be replaced or repaired at cost to Wössner. All products alleged by Purchaser to be defective must be returned to Wössner, postage prepaid, within 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 product which has been used in a hi-performance application, or racing or is 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 Wössner. The parties hereto expressly agree that the purchaser's sole and exclusive remedy against Wössner 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 Wössner 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 WÖSSNER BUT WHICH IS NOT MANUFACTURED BY WÖSSNER IS NOT WARRANTED BY WÖSSNER, BUT IS SOLD ONLY WITH THE WARRANTIES, IF ANY, OF THE MANUFACTURERS THEREOF.

Wössner'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 Wössner to be defective, or at Wössner's option, to refund the purchase price of such product. In no event shall Wössner 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 in writing to Wössner 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. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

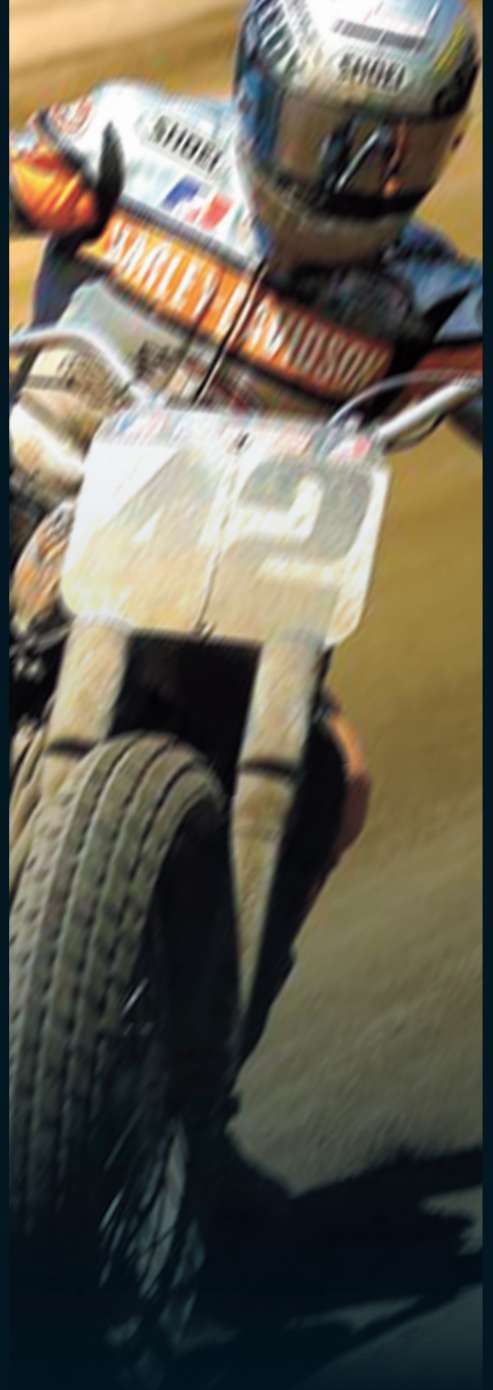
This catalog uses the term "Harley-Davidson®" and various model designations of Harley-Davidson, Inc. solely for reference and fitment purposes. No affiliation exists between Wössner GmbH and Harley-Davidson, Inc., and the use of any trademarks or other proprietary designations of Harley-Davidson in this catalog should not be construed as indicating sponsorship or official approval by Harley-Davidson, Inc. of Wössner GmbH or Wössner products.

Thank you to the following for supplying the photos used throughout this catalog:

Iron Works Magazine & Ehler Publications · The Horse Backstreet Choppers Magazine · Lindsay Mauk

Brian Smith
Winner in Beulah Parc,
Grove City.
OH with
Wössner pistons!





Wössner GmbH
Im Wörth 21
D-79576 Weil am Rhein/Märkt
Tel. +49 (0) 7621 95 66 49-0
Fax +49 (0) 7621 95 66 49-25
info@woessner-kolben.de
www.woessner-kolben.de