

## EVOLUTION® PISTONS



JIMS® forged 2618 aluminum pistons add unquestioned reliability to stock and performance Evolution® engines. Each set includes pistons, rings, wrist pins, and wrist pin clips. The 106" kit is listed as *While Supplies Last*, please call in for special reduced pricing. For more details see No.1530-IS instructions.

**Recommended JIMS® Tools for Piston, Rings and Wrist Pins, Wrist Pin Clips, and Wrist Pin Bushings:**

### Twin Cam®

- No.951 - Torque Plates
- No.1051 - Connecting Rod Bushing Tool
- No.1726-3 - Wrist Pin Bushing Reamer Tool
- No.1276 - Wrist Pin Remover & Installer Tool
- No.1235 - Piston Ring Expander Tool
- No.1236 - Piston Ring Compressor Tool
- No.1765 - Piston Ring Groove Cleaner Tool
- No.1284 - Rod Holder Tool
- No.1164 - Piston Support Plate Tool
- No.1148 - Rod Alignment Tool

### EVO 80" DOMED PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1555	3.5" STD.	4.25"	.792"	No.1461	10:1	1.375"	924g
No.1555A	3.5"+.005	4.25"	.792"	No.1462	10:1	1.375"	928g
No.1555B	3.5"+.010	4.25"	.792"	No.1463	10:1	1.375"	931g

### EVO 87" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1558	3.5" STD.	4.50"	.792"	No.1461	10:1	1.250"	898g
No.1558A	3.5"+.005	4.50"	.792"	No.1462	10:1	1.250"	902g
No.1558B	3.5"+.010	4.50"	.792"	No.1463	10:1	1.250"	908g

### EVO 89" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1561	3.5" STD.	4.625"	.792"	No.1461	9.25:1	1.188"	882g
No.1561B	3.5"+.010	4.625"	.792"	No.1463	9.25:1	1.188"	906g

### EVO 96" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1576	3.625" STD.	4.625"	.792"	No.1467	9.75:1	1.200"	898g
No.1576A	3.625"+.005	4.625"	.792"	No.1468	9.75:1	1.200"	942g
No.1576B	3.625"+.010	4.625"	.792"	No.1469	9.75:1	1.200"	947g

**WHILE SUPPLIES LAST**

### EVO 106" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1584B	3.812"+.010	1.625"	.792"	No.1477	10:1	1.200"	1033g

### EVOLUTION

- No.1073 - Torque Plates
- No.1726-1 - Wrist Pin Bushing Reamer Tool
- No.1235 - Piston Ring Expander Tool
- No.1236 - Piston Ring Compressor Tool
- No.34623-83 - Piston Pin Keeper Tool
- No.1172 - Wrist Pin Clip Remover & Installer Tool
- No.1765 - Piston Ring Groove Cleaner Tool
- No.1284 - Rod Holder Tool
- No.1164 - Piston Support Plate Tool
- No.1010 - Rod Alignment Tool

Refer to the "Tool Section" of catalog for more details.

### EVO WRIST PIN CLIP SETS

No.1599K - Replacement wrist pin clips, 4-pack for all piston sets below.

# ROD RACES & BUSHINGS



## ROD RACES

Made from 52100 aerospace quality Timken® bearing stock. **Sold in a set of 3.**

No.1025-15 - Use on 1915-36 61" and 74" - F, J, JD, VC, VL, VE, VLD, and VLH.



## ROD RACES

Made from 52100 aerospace quality Timken® bearing stock. **Sold in a set of 3.** Replaces H-D® No.24345-36A female rod race, and No.24356-36A male rod race. I.D. is 1.622", Std. O.D. is 1.8195".

No.1046-36A - Use on Big Twin 1941-99 single cam only.

(NOTE: Includes aftermarket engines.)



## PISTON PIN BUSHING

Twin Cam® Bushings are **Sold in packs of 2.** For removal and installation, use JIMS® tool No.1051. To ream to correct size, use JIMS® No.1726-3 wrist pin reamer. Bushing O.D. is 1.017"+-.0005, I.D. is .927", replaces No.24316-99.

No.3998K - Use on all Twin Cam® 1999-2006 FL, FXD, 2000-2006 FXST.



## PISTON PIN BUSHING

Bushings are **Sold in a pack of 2.** Big Twin - Standard O.D. is .8955". Ream with JIMS® No.1726-1, remove and install with JIMS® No.95970-32C.

No.24334-36 - Use on Big Twin 1936-99 single cam. (NOTE: Includes aftermarket engines.)

No.24335-36 - Oversize +.005".



## PISTON PIN BUSHING

Bushings are **Sold in a pack of 2.** Ream with JIMS® No.1726-2. Remove and install with JIMS® tool No.95970-32C. Sportster® and 45"- Standard O.D. is .8955".

No.24331-36 - Use on Sportster® and 45" 1936-present. Use on Buell· 1987-present. (NOTE: Includes aftermarket engines.)

RECOMMENDED JIMS® ROD TOOLS	
PART NO.	DESCRIPTION
1003	Rod Race remover/installer
96740-36	Rod Lapping set
1051	Rod Bushing
96920-32C	Rod Bushing
1284	Rod Holder
1148	Rod Alignment
1010	Rod Alignment
1158	Rod Alignment
1726-1	Pin Bushing Reamer
1726-2	Pin Bushing Reamer
1726-3	Pin Bushing Reamer

# TAPPET AND ROD TOOLS

## TAPPET ADJUSTMENT TOOL

Designed and submitted by Hiro Koiso, this patent pending hand tool simplifies the way to verify proper tappet adjustment. After adjusting the tappet, simply insert the tip of this tool under the hydraulic unit retaining clip, above the pushrod seat. If the tip doesn't fit, OR if there is up and down endplay, the tappet is out of adjustment. Only when the tip fits nicely with no endplay is the tappet properly adjusted.



No. 746 - Use on most hydraulic tappets, OEM and aftermarket, for Milwaukee Eight®, Twin Cam or Evo. (Does not work on Solids, JIMS Hydrosolids or other limited travel tappets.)

## WRIST PIN BUSHING REAMER TOOL

(Note use with rods in or out of motor)

Use this kit to ream your wrist pin bushings to H-D® specifications. These reamers are made to exact tolerances, piloted to locate from the I.D. of your newly replaced JIMS® wrist pin bushings. Reams are easy to use with their designed lead in taper at the start of each ream. Use JIMS® No.1284 Rod Clamp tool. For more details see No.1726-IS instructions.



No.1726-3 - Use on Twin Cam® 1999-2005 FXD, 1999-2006 FL, & 2000-2006 FXST.

No.1726-1 - Use on all Big Twins that use the late diameter size wrist pins 1973 to present (NOTE: Includes aftermarket motors.)

No.1726-2 - Use on all Sportsters® 1957-present and Buell® 1987-present, except 1125R.

**NOTE:** Some wrist pin bushings will need a small amount of ball honing to give specified fit, see H-D® service manual for specifications.

## ROD ALIGNMENT TOOL

Use to check rod straightness without removing rods from case. The alignment tool is 4-1/2" long. For more details see No.1010-IS instructions.



No.1158 - Use on JIMS® Twin Cam® Rods (.827" Wrist Pin)

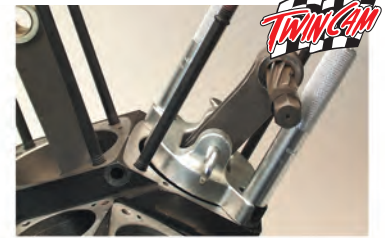
No.1148 - Use on all Twin Cam® 'A' and 'B'. (NOTE: Includes aftermarket motors.) (.927" Wrist Pin)

No.1010 - Use on all Big Twin single cam (.791" Wrist Pin)



## ROD HOLDER TOOL

Use to keep connecting rods in place and eliminate twisting or bending of the connecting rod while reaming or honing the wrist pin bushings. Works well with JIMS® No.1051, 95970-32C wrist pin bushing tools, and JIMS® No.1726-1, 1726-2 and 1726-3 wrist pin bushing reamers. For more details see No.1284-IS instructions.



No.1284 - Use on all Twins and Buell® Blast. Includes Twin Cam® 'A' and 'B'.

### PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	CLAMP BASE	1284-1
2	2	HOLD DOWN NUT, T/C	1284-2
3	2	HOLD DOWN NUT, EVO	1284-3
4	2	THUMB SCREW	1286
5	1	INSTRUCTION SHEET	1284-IS



## CONNECTING ROD BUSHING TOOL

Use to remove and replace wrist pin bushings without removing connecting rods from crankcases. Use JIMS® No.1284 Rod Holder tool. For more details see No.95970-IS or No.1051-IS instructions.

No.1051 - Use on all 1999-2006 FL, 1999-2005 FXD, & 2000-2006 FXST.

No.95970-32C - Use on all single cam Big Twins, XL's, Buell's, and 45's.

### PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	BOLT	2009
2	2	BRASS WASHER	2129
3	1	SLIDER	1051-1 OR 95970-32C-1
4	1	PULLER	1051-2 OR 95970-32C-2
5	1	BEARING	2010
6	1	COUPLING NUT	2011
7	1	INSTRUCTION SHEET	1051-IS & 95970-IS