

VHM **Cylinder head**
**Aprilia RS250**

Part number  
cylinder head  
AA33102


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32149-A             |              |               | •          | Blind insert                                   |                |                       |                |
| AE32149-B             |              |               | •          |                                                | 11.80          | -0.35                 | 0.90           |
| AE32149-C             |              | •             |            |                                                | 12.00          | -0.35                 | 0.90           |
| AE32149-D             |              |               | •          |                                                | 12.20          | -0.35                 | 0.90           |
| AE32149-E             |              |               | •          |                                                | 12.40          | -0.35                 | 0.90           |
| AE32149-F             |              |               | •          |                                                | 12.60          | -0.35                 | 0.90           |
| AE32149-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33102               | •            | •             | •          |                                                |                |                       |                |

**GasGas 125**

**2012**

Part number  
cylinder head  
AA33090


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32117-A             |              |               | •          | Blind insert                                   |                |                       |                |
| AE32117-C             |              |               | •          |                                                | 11.40          | -3.55                 | 1.00           |
| AE32117-E             |              | •             |            |                                                | 11.60          | -3.55                 | 1.00           |
| AE32117-F             |              |               | •          |                                                | 11.80          | -3.55                 | 1.00           |
| AE32117-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33000               | •            |               |            |                                                |                |                       |                |

**GasGas 250**
**GasGas 300**

Part number  
cylinder head  
AA33095


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32124-A             | 250cc        |               | •          | Blind insert                                   |                |                       |                |
| AE32124-xxx           | 250cc        |               | •          | Special insert according to your specification |                |                       |                |
| AE32123-A             | 300cc        |               | •          | Blind insert                                   |                |                       |                |
| AE32123-E             | 300cc        | •             |            |                                                | 28.00          | -1.05                 | 1.7            |
| AE32123-xxx           | 300cc        |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33000               | •            |               |            |                                                |                |                       |                |

VHM *Cylinder head*
**Honda CR85**
**2003 2007**

Part number  
cylinder head  
AA33057


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32071-A          | 2003 - 2007 |          | •        | Blind insert                                   |             |                    |             |
| AE32071-C          | 2003        |          | •        |                                                | 7.80        | +2.40              | 1.00        |
| AE32071-E          | 2003        | •        |          |                                                | 8.00        | +2.40              | 1.00        |
| AE32071-F          | 2003        |          | •        |                                                | 8.20        | +2.40              | 1.00        |
| AE32071-K          | 2004        |          | •        |                                                | 7.80        | +2.40              | 1.20        |
| AE32071-L          | 2004        | •        |          |                                                | 8.00        | +2.40              | 1.20        |
| AE32071-M          | 2004        |          | •        |                                                | 8.20        | +2.40              | 1.20        |
| AE32071-N          | 2005 - 2007 |          | •        |                                                | 7.80        | +2.20              | 0.80        |
| AE32071-O          | 2005 - 2007 | •        |          |                                                | 8.00        | +2.20              | 0.80        |
| AE32071-P          | 2005 - 2007 |          | •        |                                                | 8.20        | +2.20              | 0.80        |
| AE32071-xxx        |             |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33057             | •            | •             | •          |                |

**Honda CR125**
**2000 2004**

Part number  
cylinder head  
AA33055


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32058-A          | 2000 - 2002 |          | •        | Blind insert                                   |             |                    |             |
| AE32058-C          | 2000 - 2002 |          | •        |                                                | 10.60       | -0.55              | 1.00        |
| AE32058-E          | 2000 - 2002 | •        |          |                                                | 10.80       | -0.55              | 1.00        |
| AE32058-F          | 2000 - 2002 |          | •        |                                                | 11.00       | -0.55              | 1.00        |
| AE32058-xxx        | 2001 - 2002 |          | •        | Special insert according to your specification |             |                    |             |
| AE32070-A          | 2003 - 2004 |          | •        | Blind insert                                   |             |                    |             |
| AE32070-C          | 2003        |          | •        |                                                | 11.20       | -0.45              | 1.00        |
| AE32070-D          | 2003        |          | •        |                                                | 11.40       | -0.45              | 1.00        |
| AE32070-E          | 2003        |          | •        |                                                | 11.60       | -0.45              | 1.00        |
| AE32070-F          | 2003        | •        |          |                                                | 11.80       | -0.45              | 1.00        |
| AE32070-H          | 2004        |          | •        |                                                | 10.40       | +2.10              | 1.00        |
| AE32070-K          | 2004        | •        |          |                                                | 10.60       | +2.10              | 1.00        |
| AE32070-L          | 2004        |          | •        |                                                | 10.80       | +2.10              | 1.00        |
| AE32070-xxx        | 2003-2004   |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33024             | •            | •             | •          |                |



VHM **Cylinder head**
**Honda CR125**
**2005 2007**

Part number  
cylinder head  
AA33083


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32104-A          | 2005 - 2007 |          | •        | Blind insert                                   |             |                    |             |
| AE32104-B          | 2005 - 2007 |          | •        |                                                | 11.00       | +2.25              | 1.00        |
| AE32104-C          | 2005 - 2007 | •        |          |                                                | 11.20       | +2.25              | 1.00        |
| AE32104-E          | 2005 - 2007 |          | •        |                                                | 11.40       | +2.25              | 1.00        |
| AE32104-F          | 2005 - 2007 |          | •        |                                                | 11.60       | +2.25              | 1.00        |
| AE32104-xxx        | 2005 - 2007 |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33024             | •            | •             | •          |                |

**Honda CR250**
**2002 2004**

Part number  
cylinder head  
AA33042


| Part number insert | Year      | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-----------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32060-A          | 2002-2004 |          | •        | Blind insert                                   |             |                    |             |
| AE32060-L          | 2002-2004 |          | •        |                                                | 19.80       | -0.30              | 1.30        |
| AE32060-H          | 2002-2004 |          | •        |                                                | 20.20       | -0.30              | 1.30        |
| AE32060-K          | 2002-2004 | •        |          |                                                | 20.60       | -0.30              | 1.30        |
| AE32060-F          | 2002-2004 |          | •        |                                                | 21.00       | -0.30              | 1.30        |
| AE32060-xxx        | 2002-2004 |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33042             | •            | •             | •          |                |

**Honda CR250**
**2005 2007**

Part number  
cylinder head  
AA33084


| Part number insert | Year       | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32106-A          | 2005 -2007 |          | •        | Blind insert                                   |             |                    |             |
| AE32106-B          | 2005 -2007 |          | •        |                                                | 19.80       | +3.25              | 1.50        |
| AE32106-C          | 2005 -2007 | •        |          |                                                | 20.20       | +3.25              | 1.50        |
| AE32106-E          | 2005 -2007 |          | •        |                                                | 20.60       | +3.25              | 1.50        |
| AE32106-xxx        | 2005 -2007 |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33084             | •            | •             | •          |                |

VHM **Cylinder head**
**Honda CR500**

1989 2001

Part number  
cylinder head  
AA33121


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32181-A             |              |               | •          | Blind insert                                   |                |                       |                |
| AE32181-E             |              | •             |            |                                                | 51.00          | +6.20                 | 2.50           |
| AE32181-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33121               | •            | •             | •          |                                                |                |                       |                |

**Honda NSR80**

Part number  
cylinder head  
AA33074


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32096-A             |              |               | •          | Blind insert                                   |                |                       |                |
| AE32096-E             |              | •             |            |                                                |                |                       |                |
| AE32096-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33074               | •            | •             | •          |                                                |                |                       |                |

**Honda NSR150**

Part number  
cylinder head  
AA33063


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32078-A             |              |               | •          | Blind insert                                   |                |                       |                |
| AE32078-E             |              | •             |            |                                                | 14.20          | +2.88                 | 0.65           |
| AE32078-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33063               | •            | •             | •          |                                                |                |                       |                |



VHM *Cylinder head*
**Honda NSR250**
**1990 1999**

Part number  
cylinder head  
AA33054


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32069-A           |              |               | •          | Blind insert                                   |             |                    |             |
| AE32069-E           |              | •             |            |                                                | 12.60       | +1.37              | 1.07        |
| AE32069-xxx         |              |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33054             | •            | •             | •          |                                                |             |                    |             |

**Honda NSR300**

Part number  
cylinder head  
AA33063  
AA33106


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32078-A           |              |               | •          | Blind insert                                   |             |                    |             |
| AE32078-E           |              | •             |            |                                                | 14.20       | +2.88              | 0.65        |
| AE32078-xxx         |              |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33063             | •            | •             | •          |                                                |             |                    |             |

**Honda RS125**
**2000 2010**

Part number  
cylinder head  
AA33035


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32050-A           | 2000 - 2010  |               | •          | Blind insert                                   |             |                    |             |
| AE32050-D           | 2000 - 2010  |               | •          |                                                | 11.20       | +2.00              | 0.65        |
| AE32050-E           | 2000 - 2010  | •             |            |                                                | 11.40       | +2.00              | 0.65        |
| AE32050-F           | 2000 - 2010  |               | •          |                                                | 11.60       | +2.00              | 0.65        |
| AE32050-xxx         | 2000 - 2010  |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33000             | •            |               |            |                                                |             |                    |             |

VHM **Cylinder head**
**Honda RS125 A-kit**      **2001**      **2003**

Part number  
cylinder head  
AA33056


| Part number<br>insert | Year         | Standard      | Optional   | Description    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|----------------|----------------|-----------------------|----------------|
| AE32052-A             | 2001 - 2003  |               | •          | Blind insert   |                |                       |                |
| AE32052-G             |              |               | •          | Flat top       | 11.20          | -0.45                 | 0.65           |
| AE32052-H             | 2001 - 2003  | •             |            | Flat top       | 11.40          | -0.45                 | 0.65           |
| AE32052-K             |              |               | •          | Flat top       | 11.60          | -0.45                 | 0.65           |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various |                |                       |                |
| SK33000               | •            |               |            |                |                |                       |                |

**Honda RS125 A-kit / JHA A-kit RS-V**
**2004**      →

Part number  
cylinder head  
AA33067


| Part number<br>insert | Year         | Standard      | Optional   | Description    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|----------------|----------------|-----------------------|----------------|
| AE32067-A             | 2004 →       |               | •          | Blind insert   |                |                       |                |
| AE32067-H             | 2004 →       |               | •          |                | 11.80          | -0.48                 | 0.75           |
| AE32067-K             | 2004 →       | •             |            |                | 12.00          | -0.48                 | 0.75           |
| AE32067-L             | 2004 →       |               | •          |                | 12.20          | -0.48                 | 0.75           |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various |                |                       |                |
| SK33000               | •            |               |            |                |                |                       |                |

**Honda RS250**
**2001**      **2010**

Part number  
cylinder head  
AA33036


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32051-A             | 2001 - 2010  |               | •          | Blind insert                                   |                |                       |                |
| AE32051-D             | 2001 - 2010  |               | •          |                                                | 11.80          | +2.10                 | 0.65           |
| AE32051-E             | 2001 - 2010  |               | •          |                                                | 12.00          | +2.10                 | 0.65           |
| AE32051-F             | 2001 - 2010  | •             |            |                                                | 12.20          | +2.10                 | 0.65           |
| AE32051-G             | 2001 - 2010  |               | •          |                                                | 12.40          | +2.10                 | 0.65           |
| AE32051-H             | 2001 - 2010  |               | •          |                                                | 12.60          | +2.10                 | 0.65           |
| AE32051-J             | 2001 - 2010  |               | •          |                                                | 12.80          | +2.10                 | 0.65           |
| AE32051-xxx           | 2001 - 2010  |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33000               | •            |               |            |                                                |                |                       |                |

VHM **Cylinder head**
**Honda RS250 A-kit**
**2001 2005**

Part number  
cylinder head  
AA33052


| Part number<br>insert      | Year                | Standard             | Optional          | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|----------------------------|---------------------|----------------------|-------------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32067-A                  | 2001 - 2005         |                      | •                 | Blind insert                                   |                |                       |                |
| AE32067-C                  | 2001 - 2005         |                      | •                 |                                                | 11.80          | -0.30                 | 0.65           |
| AE32067-E                  | 2001 - 2005         | •                    |                   |                                                | 12.00          | -0.30                 | 0.65           |
| AE32067-F                  | 2001 - 2005         |                      | •                 |                                                | 12.20          | -0.30                 | 0.65           |
| AE32067-xxx                | 2001 - 2005         |                      | •                 | Special insert according to your specification |                |                       |                |
| <b>Part number sealkit</b> |                     |                      |                   |                                                |                |                       |                |
|                            | <b>O-ring small</b> | <b>O-ring middle</b> | <b>O-ring big</b> | <b>O-ring various</b>                          |                |                       |                |
| SK33000                    | •                   |                      |                   |                                                |                |                       |                |

**Husaberg TE 125**
**2012 2014**

Part number  
cylinder head  
AA33097


| Part number<br>insert      | Year                | Standard             | Optional          | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|----------------------------|---------------------|----------------------|-------------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32128-A                  | 2012                |                      | •                 | Blind insert                                   |                |                       |                |
| AE32128-B                  | 2012                |                      | •                 |                                                | 11.20          | 0.00                  | 0.90           |
| AE32128-C                  | 2012                |                      | •                 |                                                | 11.40          | 0.00                  | 0.90           |
| AE32128-E                  | 2012                |                      | •                 |                                                | 11.60          | 0.00                  | 0.90           |
| AE32128-F                  | 2012                | •                    |                   |                                                | 11.80          | 0.00                  | 0.90           |
| AE32128-I                  | 2013 - 2014         |                      | •                 |                                                | 11.20          | 0.00                  | 1.00           |
| AE32128-J                  | 2013 - 2014         |                      | •                 |                                                | 11.40          | 0.00                  | 1.00           |
| AE32128-K                  | 2013 - 2014         |                      | •                 |                                                | 11.60          | 0.00                  | 1.00           |
| AE32128-L                  | 2013 - 2014         | •                    |                   |                                                | 11.80          | 0.00                  | 1.00           |
| AE32128-M                  | 2013 - 2014         |                      | •                 |                                                | 12.00          | 0.00                  | 1.00           |
| AE32128-048                | 2013 - 2014         |                      | •                 | For 12° piston:<br>APKT12511673                | 11.80          | + 0.40                | 0.90           |
| AE32128-xxx                | 2012-2014           |                      | •                 | Special insert according to your specification |                |                       |                |
| <b>Part number sealkit</b> |                     |                      |                   |                                                |                |                       |                |
|                            | <b>O-ring small</b> | <b>O-ring middle</b> | <b>O-ring big</b> | <b>O-ring various</b>                          |                |                       |                |
| SK33097                    | •                   | •                    | •                 | •                                              |                |                       |                |

**Husaberg TE 250**
**2011 2014**

Part number  
cylinder head  
AA33098


| Part number<br>insert      | Year                | Standard             | Optional          | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|----------------------------|---------------------|----------------------|-------------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32129-A                  | 2011 - 2014         |                      | •                 | Blind insert                                   |                |                       |                |
| AE32129-C                  | 2011 - 2014         |                      | •                 |                                                | 20.60          | +3.70                 | 1.40           |
| AE32129-E                  | 2011 - 2014         |                      | •                 |                                                | 21.00          | +3.70                 | 1.40           |
| AE32129-F                  | 2011 - 2014         |                      | •                 |                                                | 21.45          | +3.70                 | 1.60           |
| AE32129-H                  | 2011 - 2014         |                      | •                 |                                                | 21.80          | +3.70                 | 1.60           |
| AE32129-K                  | 2011 - 2014         | •                    |                   |                                                | 22.20          | +3.70                 | 1.60           |
| AE32129-xxx                | 2011 - 2014         |                      | •                 | Special insert according to your specification |                |                       |                |
| <b>Part number sealkit</b> |                     |                      |                   |                                                |                |                       |                |
|                            | <b>O-ring small</b> | <b>O-ring middle</b> | <b>O-ring big</b> | <b>O-ring various</b>                          |                |                       |                |
| SK33098                    | •                   | •                    | •                 |                                                |                |                       |                |

VHM **Cylinder head**

## Husaberg TE 300

2011 2014

Part number

cylinder head

AA33109



| Part number<br>insert | Year   | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32160-A             | 2008 → |          | •        | Blind insert                                   |                |                       |                |
| AE32160-H             | 2008 → |          | •        |                                                | 26.25          | 0.00                  | 1.90           |
| AE32160-E             | 2008 → | •        |          |                                                | 28.50          | 0.00                  | 1.70           |
| AE32160-xxx           | 2008 → |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33109             | •            | •             | •          |                |

## Husqvarna TC85

2014 →

Part number

cylinder head

AA33145



| Part number<br>insert | Year   | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32226-A             | 2014 → |          | •        | Blind insert                                   |                |                       |                |
| AE32226-C             | 2014 → |          | •        |                                                | 7.80           | +2.20                 | 0.80           |
| AE32226-E             | 2014 → | •        |          |                                                | 8.00           | +2.20                 | 0.80           |
| AE32226-F             | 2014 → |          | •        |                                                | 8.20           | +2.20                 | 0.80           |
| AE32226-056           | 2014 → |          | •        | For 12° piston:<br>APKT08521707                | 8.00           | +0.60                 | 0.80           |
| AE32226-xxx           | 2014 → |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33145             | •            | •             | •          |                |

## Husqvarna CR125

2001 2013

Part number

cylinder head

AA33039



| Part number<br>insert | Year        | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|-------------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32054-A             | 2001 - 2013 |          | •        | Blind insert                                   |                |                       |                |
| AE32054-C             | 2001 - 2013 |          | •        |                                                | 10.80          | -0.50                 | 1.00           |
| AE32054-E             | 2001 - 2013 |          | •        |                                                | 11.00          | -0.50                 | 1.00           |
| AE32054-F             | 2001 - 2013 | •        |          |                                                | 11.20          | -0.50                 | 1.00           |
| AE32054-H             | 2001 - 2013 |          | •        |                                                | 11.40          | -0.50                 | 1.00           |
| AE32054-xxx           | 2001 - 2013 |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33000             | •            |               |            |                |



VHM *Cylinder head*

## Husqvarna TC/TE 125 2014 →

Part number

cylinder head

AA33097



| Part number insert         | Year   | Standard     | Optional      | Description                                    | Volume [cc]    | Piston height [mm] | Squish [mm] |
|----------------------------|--------|--------------|---------------|------------------------------------------------|----------------|--------------------|-------------|
| AE32128-I                  | 2014 → |              | •             |                                                | 11.20          | 0.00               | 1.00        |
| AE32128-J                  | 2014 → |              | •             |                                                | 11.40          | 0.00               | 1.00        |
| AE32128-K                  | 2014 → | • TC 125     |               |                                                | 11.60          | 0.00               | 1.00        |
| AE32128-L                  | 2014 → | • TE 125     |               |                                                | 11.80          | 0.00               | 1.00        |
| AE32128-M                  | 2014 → |              | •             |                                                | 12.00          | 0.00               | 1.00        |
| AE32128-048                | 2014 → |              | •             | For 12° piston: APKT12511673                   | 11.80          | +0.40              | 0.90        |
| AE32128-xxx                | 2014 → |              | •             | Special insert according to your specification |                |                    |             |
| <b>Part number sealkit</b> |        |              |               |                                                |                |                    |             |
| SK33097                    |        | O-ring small | O-ring middle | O-ring big                                     | O-ring various |                    |             |
|                            |        | •            | •             | •                                              | •              |                    |             |

## Husqvarna TC/TE 250 2014 →

Part number

cylinder head

AA33098



| Part number insert         | Year   | Standard     | Optional      | Description                                    | Volume [cc]    | Piston height [mm] | Squish [mm] |
|----------------------------|--------|--------------|---------------|------------------------------------------------|----------------|--------------------|-------------|
| AE32129-A                  | 2014 → |              | •             | Blind insert                                   |                |                    |             |
| AE32129-C                  | 2014 → |              | •             |                                                | 20.60          | +3.70              | 1.40        |
| AE32129-E                  | 2014 → |              | •             |                                                | 21.00          | +3.70              | 1.40        |
| AE32129-F                  | 2014 → |              | •             |                                                | 21.45          | +3.70              | 1.60        |
| AE32129-H                  | 2014 → | • TC 250     |               |                                                | 21.80          | +3.70              | 1.60        |
| AE32129-K                  | 2014 → | • TE 250     |               |                                                | 22.20          | +3.70              | 1.60        |
| AE32129-xxx                | 2014 → |              | •             | Special insert according to your specification |                |                    |             |
| <b>Part number sealkit</b> |        |              |               |                                                |                |                    |             |
| SK33098                    |        | O-ring small | O-ring middle | O-ring big                                     | O-ring various |                    |             |
|                            |        | •            | •             | •                                              | •              |                    |             |

## Husqvarna TE/TC 300 2014 →

Part number

cylinder head

AA33109



| Part number insert         | Year   | Standard     | Optional      | Description                                    | Volume [cc]    | Piston height [mm] | Squish [mm] |
|----------------------------|--------|--------------|---------------|------------------------------------------------|----------------|--------------------|-------------|
| AE32160-A                  | 2008 → |              | •             | Blind insert                                   |                |                    |             |
| AE32160-H                  | 2008 → | • TC 300     |               |                                                | 26.25          | 0.00               | 1.90        |
| AE32160-E                  | 2008 → | • TE 300     |               |                                                | 28.50          | 0.00               | 1.70        |
| AE32160-xxx                | 2008 → |              | •             | Special insert according to your specification |                |                    |             |
| <b>Part number sealkit</b> |        |              |               |                                                |                |                    |             |
| SK33109                    |        | O-ring small | O-ring middle | O-ring big                                     | O-ring various |                    |             |
|                            |        | •            | •             | •                                              | •              |                    |             |

VHM **Cylinder head**

Kawasaki KX65

2000


Part number  
cylinder head  
AA33026


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32032-A           | 2000 →       |               | •          | Blind insert                                   |             |                    |             |
| AE32032-M           | 2003 →       |               | •          |                                                | 6.90        | +1.75              | 0.70        |
| AE32032-N           | 2003 →       | •             |            |                                                | 7.20        | +1.75              | 0.70        |
| AE32032-xxx         |              |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33026             | •            | •             | •          |                                                |             |                    |             |

Kawasaki KX85

2000

2013

Part number  
cylinder head  
AA33010


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32016-A           | 1998 - 2013  |               | •          | Blind insert                                   |             |                    |             |
| AE32016-N           | 2000 - 2013  |               | •          | KX85                                           | 7.80        | +1.75              | 0.90        |
| AE32016-O           | 2000 - 2013  | •             |            | KX85                                           | 8.00        | +1.75              | 0.90        |
| AE32016-P           | 2000 - 2013  |               | •          | KX85                                           | 8.20        | +1.75              | 0.90        |
| AE32016-xxx         | 1998 - 2013  |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33010             | •            | •             | •          |                                                |             |                    |             |

Kawasaki KX85

2014


Part number  
cylinder head  
AA33151


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32240-A           | 2014 →       |               | •          | Blind insert                                   |             |                    |             |
| AE32240-B           | 2014 →       |               | •          | KX85                                           | 7.60        | +1.70              | 0.90        |
| AE32240-C           | 2014 →       |               | •          | KX85                                           | 7.80        | +1.70              | 0.90        |
| AE32240-E           | 2014 →       | •             |            | KX85                                           | 8.00        | +1.70              | 0.90        |
| AE32240-F           | 2014 →       |               | •          | KX85                                           | 8.20        | +1.70              | 0.90        |
| AE32240-xxx         | 2014 →       |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33151             | •            | •             | •          |                                                |             |                    |             |

VHM **Cylinder head**
**Kawasaki KX100**

2000 2013

Part number  
cylinder head  
AA33010B


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32120-A             | 2000 - 2013  |               | •          | Blind insert                                   |                |                       |                |
| AE32120-E             | 2000 - 2013  | •             |            |                                                | 9.00           | +1.25                 | 0.90           |
| AE32120-xxx           | 2000 - 2013  |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33010B              | •            | •             | •          |                                                |                |                       |                |

**Kawasaki KX125**

2003 →

Part number  
cylinder head  
AA33043


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32061-A             | 2003 →       |               | •          | Blind insert                                   |                |                       |                |
| AE32061-C             | 2003 →       |               | •          |                                                | 11.20          | +1.80                 | 1.00           |
| AE32061-E             | 2003 →       |               | •          |                                                | 11.40          | +1.80                 | 1.00           |
| AE32061-F             | 2004 →       | •             |            |                                                | 11.60          | +1.80                 | 1.00           |
| AE32061-G             | 2003         | •             |            |                                                | 11.80          | +1.80                 | 1.00           |
| AE32061-xxx           | 2003 →       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33043               | •            | •             | •          |                                                |                |                       |                |

**Kawasaki KX250**

2005 →

Part number  
cylinder head  
AA33075


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32098-A             | 2005 →       |               | •          | Blind insert                                   |                |                       |                |
| AE32098-C             | 2005 →       |               | •          |                                                | 20.20          | +3.00                 | 1.50           |
| AE32098-E             | 2005 →       | •             |            |                                                | 20.60          | +3.00                 | 1.50           |
| AE32098-F             | 2005 →       |               | •          |                                                | 21.00          | +3.00                 | 1.50           |
| AE32098-xxx           | 2005 →       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33075               | •            | •             | •          |                                                |                |                       |                |

VHM **Cylinder head**
**KTM 50SX**

2000 2008

Part number  
cylinder head  
AA33017


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32027-A           | 2000 - 2008  |               | •          | Blind insert                                   |             |                    |             |
| AE32027-K           | 2000 - 2008  |               | •          | VHM shape                                      | 5.70        | +2.50              | 0.60        |
| AE32027-L           | 2000 - 2008  | •             |            | VHM shape                                      | 5.90        | +2.50              | 0.60        |
| AE32027-xxx         | 2000 - 2008  |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33000             | •            |               |            |                                                |             |                    |             |

**KTM 50SX**

2009 →

Part number  
cylinder head  
AA33114


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32170-A           | 2009 →       |               | •          | Blind insert                                   |             |                    |             |
| AE32170-C           | 2009 →       |               | •          |                                                | 4.00        | +2.45              | 0.60        |
| AE32170-E           | 2009 →       | •             |            |                                                | 4.20        | +2.45              | 0.60        |
| AE32170-xxx         | 2009 →       |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33000             | •            |               |            |                                                |             |                    |             |

**KTM 65SX**

2000 2008

Part number  
cylinder head  
AA33017


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32027-A           | 2000 - 2008  |               | •          | Blind insert                                   |             |                    |             |
| AE32027-E           | 2000 - 2002  |               | •          |                                                | 6.90        | +1.70              | 0.85        |
| AE32027-F           | 2000 - 2002  |               | •          | VHM shape                                      | 7.10        | +1.70              | 0.85        |
| AE32027-N           | 2003 - 2008  |               | •          |                                                | 6.90        | +2.40              | 0.80        |
| AE32027-O           | 2003 - 2008  | •             |            |                                                | 7.10        | +2.40              | 0.80        |
| AE32027-xxx         | 2003 - 2008  |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33017             | •            | •             | •          |                                                |             |                    |             |



VHM **Cylinder head**
**KTM 65SX**
**2009**

Part number  
cylinder head  
AA33112


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32167-A          | 2009 - 2012 |          | •        | Blind insert                                   |             |                    |             |
| AE32167-B          | 2009 - 2012 |          | •        |                                                | 5.00        | +2.25              | 0.80        |
| AE32167-C          | 2009 - 2012 | •        |          |                                                | 5.20        | +2.25              | 0.80        |
| AE32167-E          | 2009 - 2012 |          | •        |                                                | 5.40        | +2.25              | 0.80        |
| AE32167-G          | 2013 →      |          | •        |                                                | 5.00        | +2.45              | 0.80        |
| AE32167-H          | 2013 →      | •        |          |                                                | 5.20        | +2.45              | 0.80        |
| AE32167-K          | 2013 →      |          | •        |                                                | 5.40        | +2.45              | 0.80        |
| AE32167-xxx        | 2009 →      |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33112             | •            |               |            | •              |

**KTM 85SX**
**2004**
**2012**

Part number  
cylinder head  
AA33068


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32087-A          | 2004 - 2012 |          | •        | Blind insert                                   |             |                    |             |
| AE32087-G          | 2004 - 2012 |          | •        |                                                | 7.80        | +2.20              | 0.80        |
| AE32087-H          | 2004 - 2012 | •        |          |                                                | 8.00        | +2.20              | 0.80        |
| AE32087-K          | 2004 - 2012 |          | •        |                                                | 8.20        | +2.20              | 0.80        |
| AE32087-xxx        | 2004 - 2012 |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33068             | •            | •             | •          |                |

**KTM 85SX**
**2013**

Part number  
cylinder head  
AA33145


| Part number insert | Year   | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|--------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32226-A          | 2013 → |          | •        | Blind insert                                   |             |                    |             |
| AE32226-C          | 2013 → |          | •        |                                                | 7.80        | +2.20              | 0.80        |
| AE32226-E          | 2013 → | •        |          |                                                | 8.00        | +2.20              | 0.80        |
| AE32226-F          | 2013 → |          | •        |                                                | 8.20        | +2.20              | 0.80        |
| AE32226-056        | 2013 → |          | •        | For 12° piston:<br>APKT08521707                | 8.00        | +0.60              | 0.80        |
| AE32226-xxx        | 2013 → |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33145             | •            | •             | •          |                |

VHM **Cylinder head**
**KTM 105SX**

2003 2012

Part number  
cylinder head  
AA33110


| Part number insert | Year   | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|--------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32161-A          | 2003 → |          | •        | Blind insert                                   |             |                    |             |
| AE32161-C          | 2003 → |          | •        |                                                | 9.20        | +2.20              | 0.90        |
| AE32161-E          | 2013 → | •        |          |                                                | 9.40        | +2.20              | 0.90        |
| AE32161-F          | 2003 → |          | •        |                                                | 9.60        | +2.20              | 0.90        |
| AE32161-xxx        | 2003 → |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33000             | •            |               |            |                |

**KTM 105SX**

2013 →

Part number  
cylinder head  
AA33149


| Part number insert | Year   | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|--------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32161-A          | 2003 → |          | •        | Blind insert                                   |             |                    |             |
| AE32161-C          | 2003 → |          | •        |                                                | 9.20        | +2.20              | 0.90        |
| AE32161-E          | 2013 → | •        |          |                                                | 9.40        | +2.20              | 0.90        |
| AE32161-F          | 2003 → |          | •        |                                                | 9.60        | +2.20              | 0.90        |
| AE32161-xxx        | 2003 → |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33000             | •            |               |            |                |



VHM **Cylinder head**
**KTM 125SX/EXC**
**2007** →

Part number  
cylinder head  
AA33097


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32128-A             | 2007 - 2012  |               | •          | Blind insert                                   |                |                       |                |
| AE32128-B             | 2007 - 2012  |               | •          |                                                | 11.20          | 0.00                  | 0.90           |
| AE32128-C             | 2007 - 2012  |               | •          |                                                | 11.40          | 0.00                  | 0.90           |
| AE32128-E             | 2007 - 2012  | • 125SX       |            |                                                | 11.60          | 0.00                  | 0.90           |
| AE32128-F             | 2007 - 2012  | • 125EXC      |            |                                                | 11.80          | 0.00                  | 0.90           |
| AE32128-I             | 2013 →       |               | •          |                                                | 11.20          | 0.00                  | 1.00           |
| AE32128-J             | 2013 →       |               | •          |                                                | 11.40          | 0.00                  | 1.00           |
| AE32128-K             | 2013 →       | • 125SX       |            |                                                | 11.60          | 0.00                  | 1.00           |
| AE32128-L             | 2013 →       | • 125EXC      |            |                                                | 11.80          | 0.00                  | 1.00           |
| AE32128-M             | 2013 →       |               | •          |                                                | 12.00          | 0.00                  | 1.00           |
| AE32128-048           | 2013 →       |               | •          | For 12° piston:<br>APKT12511673                | 11.80          | + 0.40                | 0.90           |
| AE32128-xxx           | 2007 →       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33097               | •            | •             | •          | •                                              |                |                       |                |

**KTM 144SX/150SX**
**2008** →

Part number  
cylinder head  
AA33103


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32150-A             | 2008 →       |               | •          | Blind insert                                   |                |                       |                |
| AE32150-B             | 2008 →       |               | •          |                                                | 13.20          | 0.00                  | 1.10           |
| AE32150-C             | 2008 →       |               | •          |                                                | 13.40          | 0.00                  | 1.10           |
| AE32150-E             | 2008 →       | •             |            |                                                | 13.60          | 0.00                  | 1.10           |
| AE32150-F             | 2008 →       |               | •          |                                                | 13.80          | 0.00                  | 1.10           |
| AE32150-xxx           | 2008 →       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33097               | •            | •             | •          | •                                              |                |                       |                |

**KTM 200SX/EXC**
**2003** →

Part number  
cylinder head  
AA33046


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32063-A             | 2003 →       |               | •          | Blind insert                                   |                |                       |                |
| AE32063-C             | 2003 →       |               | •          |                                                | 16.30          | 0.00                  | 1.20           |
| AE32063-E             | 2003 →       | •             |            |                                                | 16.60          | 0.00                  | 1.20           |
| AE32063-F             | 2003 →       |               | •          |                                                | 16.90          | 0.00                  | 1.20           |
| AE32063-xxx           | 2003 →       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33000               | •            |               |            |                                                |                |                       |                |



VHM **Cylinder head**
**KTM 250SX/EXC**

2007


Part number  
cylinder head  
AA33098


| Part number<br>insert | Year   | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32129-A             | 2007 → |          | •        | Blind insert                                   |                |                       |                |
| AE32129-C             | 2007 → |          | •        |                                                | 20.60          | +3.70                 | 1.40           |
| AE32129-E             | 2007 → |          | •        |                                                | 21.00          | +3.70                 | 1.40           |
| AE32129-F             | 2007 → |          | •        |                                                | 21.45          | +3.70                 | 1.60           |
| AE32129-H             | 2007 → | • 250SX  |          |                                                | 21.80          | +3.70                 | 1.60           |
| AE32129-K             | 2007 → | • 250EXC |          |                                                | 22.20          | +3.70                 | 1.60           |
| AE32129-xxx           | 2007 → |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33098             | •            | •             | •          |                |

**KTM 300SX/EXC**

2008


Part number  
cylinder head  
AA33109


| Part number<br>insert | Year   | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32160-A             | 2008 → |          | •        | Blind insert                                   |                |                       |                |
| AE32160-H             | 2008 → | • 300SX  |          |                                                | 26.25          | 0.00                  | 1.90           |
| AE32160-E             | 2008 → | • 300EXC |          |                                                | 28.50          | 0.00                  | 1.70           |
| AE32160-xxx           | 2008 → |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33109             | •            | •             | •          |                |

**Suzuki RM65**

2000


Part number  
cylinder head  
AA33026


| Part number<br>insert | Year   | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32032-A             | 2000 → |          | •        | Blind insert                                   |                |                       |                |
| AE32032-M             | 2003 → |          | •        |                                                | 6.90           | +1.75                 | 0.70           |
| AE32032-N             | 2003 → | •        |          |                                                | 7.20           | +1.75                 | 0.70           |
| AE32032-xxx           | 2000 → |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33026             | •            | •             | •          |                |



VHM **Cylinder head**
**Suzuki RM85**

1998


Part number  
cylinder head  
AA33009


| Part number<br>insert      | Year                | Standard             | Optional          | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|----------------------------|---------------------|----------------------|-------------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32014-A                  | 1998 →              |                      | •                 | Blind insert                                   |                |                       |                |
| AE32014-E                  | 1998                |                      | •                 | RM79                                           | 7.20           | +1.65                 | 1.00           |
| AE32014-D                  | 1998                |                      | •                 | RM79                                           | 7.40           | +1.65                 | 1.00           |
| AE32014-C                  | 1998                | •                    |                   | RM79                                           | 7.60           | +1.65                 | 1.00           |
| AE32014-M                  | 1999                |                      | •                 | RM82                                           | 7.40           | +1.65                 | 1.00           |
| AE32014-L                  | 1999                |                      | •                 | RM82                                           | 7.60           | +1.65                 | 1.00           |
| AE32014-K                  | 1999                | •                    |                   | RM82                                           | 7.80           | +1.65                 | 1.00           |
| AE32014-N                  | 2000 →              |                      | •                 | RM85                                           | 8.00           | +1.40                 | 1.00           |
| AE32014-O                  | 2000 →              | •                    |                   | RM85                                           | 8.20           | +1.40                 | 1.00           |
| AE32014-xxx                | 1998 →              |                      | •                 | Special insert according to your specification |                |                       |                |
| <b>Part number sealkit</b> | <b>O-ring small</b> | <b>O-ring middle</b> | <b>O-ring big</b> | <b>O-ring various</b>                          |                |                       |                |
| SK33009                    | •                   | •                    | •                 |                                                |                |                       |                |

**Suzuki RM112 Supermini**

2000


Part number  
cylinder head  
AA33126


| Part number<br>insert      | Year                | Standard             | Optional          | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|----------------------------|---------------------|----------------------|-------------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32195-A                  | 2000 →              |                      | •                 | Blind insert                                   |                |                       |                |
| AE32195-xxx                | 2000 →              |                      | •                 | Special insert according to your specification |                |                       |                |
| <b>Part number sealkit</b> | <b>O-ring small</b> | <b>O-ring middle</b> | <b>O-ring big</b> | <b>O-ring various</b>                          |                |                       |                |
| SK33009                    | •                   | •                    | •                 |                                                |                |                       |                |

**Suzuki RM125**

1998


Part number  
cylinder head  
AA33078


| Part number<br>insert      | Year                | Standard             | Optional          | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|----------------------------|---------------------|----------------------|-------------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32088-A                  | 2004                |                      | •                 | Blind insert                                   |                |                       |                |
| AE32088-C                  | 2004                |                      | •                 |                                                | 10.80          | -0.50                 | 1.00           |
| AE32088-E                  | 2004                |                      | •                 |                                                | 11.00          | -0.50                 | 1.00           |
| AE32088-F                  | 2004                | •                    |                   |                                                | 11.20          | -0.50                 | 1.00           |
| AE32088-H                  | 2004                |                      | •                 |                                                | 11.40          | -0.50                 | 1.00           |
| AE32088-xxx                | 2004                |                      | •                 | Special insert according to your specification |                |                       |                |
| AE32101-A                  | 2005 →              |                      | •                 | Blind insert                                   |                |                       |                |
| AE32101-B                  | 2005 →              |                      | •                 |                                                | 10.80          | -0.50                 | 0.90           |
| AE32101-C                  | 2005 →              |                      | •                 |                                                | 11.00          | -0.50                 | 0.90           |
| AE32101-E                  | 2005 →              | •                    |                   |                                                | 11.20          | -0.50                 | 0.90           |
| AE32101-F                  | 2005 →              |                      | •                 |                                                | 11.40          | -0.50                 | 0.90           |
| AE32101-xxx                | 2005 →              |                      | •                 | Special insert according to your specification |                |                       |                |
| <b>Part number sealkit</b> | <b>O-ring small</b> | <b>O-ring middle</b> | <b>O-ring big</b> | <b>O-ring various</b>                          |                |                       |                |
| SK33078                    | •                   | •                    | •                 |                                                |                |                       |                |

VHM **Cylinder head**
**Suzuki RM250**

2001 →

Part number  
cylinder head  
AA33038


| Part number<br>insert | Year      | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|-----------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32053-A             | 2001 →    |          | •        | Blind insert                                   |                |                       |                |
| AE32053-C             | 2001-2002 |          | •        |                                                | 20.20          | -0.50                 | 1.30           |
| AE32053-E             | 2001-2002 | •        |          |                                                | 20.60          | -0.50                 | 1.30           |
| AE32053-F             | 2003 →    |          | •        |                                                | 20.20          | +3.00                 | 1.50           |
| AE32053-H             | 2003 →    | •        |          |                                                | 20.60          | +3.00                 | 1.50           |
| AE32053-xxx           | 2001 →    |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33038             | •            | •             | •          |                |

**Suzuki RGV 250**

Part number  
cylinder head  
AA33102


| Part number<br>insert | Year | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32149-A             |      |          | •        | Blind insert                                   |                |                       |                |
| AE32149-B             |      |          | •        |                                                | 11.80          | -0.35                 | 0.90           |
| AE32149-C             |      | •        |          |                                                | 12.00          | -0.35                 | 0.90           |
| AE32149-D             |      |          | •        |                                                | 12.20          | -0.35                 | 0.90           |
| AE32149-E             |      |          | •        |                                                | 12.40          | -0.35                 | 0.90           |
| AE32149-F             |      |          | •        |                                                | 12.60          | -0.35                 | 0.90           |
| AE32149-xxx           |      |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33102             | •            | •             | •          |                |

**TM 85**

Part number  
cylinder head  
AA33070


| Part number<br>insert | Year    | Standard | Optional | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|---------|----------|----------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32089-A             | ← '12 → |          | •        | Blind insert                                   |                |                       |                |
| AE32089-C             | ← 2012  |          | •        |                                                | 7.40           | -0.60                 | 1.00           |
| AE32089-E             | ← 2012  |          | •        |                                                | 7.60           | -0.60                 | 1.00           |
| AE32089-F             | ← 2012  | •        |          |                                                | 7.80           | -0.60                 | 1.00           |
| AE32089-G             | 2013 →  |          | •        |                                                | 7.80           | -0.80                 | 0.90           |
| AE32089-H             | 2013 →  | •        |          |                                                | 8.00           | -0.80                 | 0.90           |
| AE32089-K             | 2013 →  |          | •        |                                                | 8.20           | -0.80                 | 0.90           |
| AE32089-xxx           | ← '12 → |          | •        | Special insert according to your specification |                |                       |                |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33000             | •            |               |            |                |

VHM **Cylinder head**
**TM 125**
**TM 144**

Part number  
cylinder head  
AA33005


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32017-K             |              |               | •          | Blind insert                                   |                |                       |                |
| AE32017-O             |              |               | •          |                                                | 10.80          | -1.60                 | 0.90           |
| AE32017-N             |              |               | •          |                                                | 11.00          | -1.60                 | 0.90           |
| AE32017-M             |              | •             |            |                                                | 11.20          | -1.60                 | 0.90           |
| AE32017-L             |              |               | •          |                                                | 11.40          | -1.60                 | 0.90           |
| AE32017-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33000               | •            |               |            |                                                |                |                       |                |

**TM 125**

2012 →

Part number  
cylinder head  
AA33142


| Part number         | Year         | Standard      | Optional   | Description                                    | Volume | Piston height | Squish |
|---------------------|--------------|---------------|------------|------------------------------------------------|--------|---------------|--------|
| AE32223-A           | 2012 →       |               | •          | Blind insert                                   |        |               |        |
| AE32223-B           | 2012 →       |               | •          |                                                | 10.80  | -1.70         | 1.00   |
| AE32223-C           | 2012 →       |               | •          |                                                | 11.00  | -1.70         | 1.00   |
| AE32223-E           | 2012 →       | •             |            |                                                | 11.20  | -1.70         | 1.00   |
| AE32223-F           | 2012 →       |               | •          |                                                | 11.40  | -1.70         | 1.00   |
| AE32223-G           | 2012 →       |               | •          |                                                | 11.60  | -1.70         | 1.00   |
| AE32223-xxx         | 2012 →       |               | •          | Special insert according to your specification |        |               |        |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |        |               |        |
| SK33000             | •            |               |            |                                                |        |               |        |

**TM250**
**TM300**

←

2014

Part number  
cylinder head  
AA33105


| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32152-A             | ← 2014       |               | •          | Blind insert, 250cc                            |                |                       |                |
| AE32152-C             | ← 2014       |               | •          | 250cc                                          | 20.20          | -0.40                 | 1.30           |
| AE32152-E             | ← 2014       | •             |            | 250cc                                          | 20.60          | -0.40                 | 1.30           |
| AE32152-F             | ← 2014       |               | •          | 250cc                                          | 21.00          | -0.40                 | 1.30           |
| AE32152-xxx           | ← 2014       |               | •          | Special insert according to your specification |                |                       |                |
| AE32153-A             | ← 2014       |               | •          | Blind insert, 300cc                            |                |                       |                |
| AE32153-C             | ← 2014       |               | •          | 300cc                                          | 27.00          | -0.50                 | 1.80           |
| AE32153-E             | ← 2014       | •             |            | 300cc                                          | 28.00          | -0.50                 | 1.80           |
| AE32153-F             | ← 2014       |               | •          | 300cc                                          | 29.00          | -0.50                 | 1.80           |
| AE32153-xxx           | ← 2014       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33000               | •            |               |            |                                                |                |                       |                |

VHM **Cylinder head**
**TM300**
**2015**

\*\*\*NEW\*\*\*

Part number  
cylinder head  
AA33154


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32250-A           | 2015 →       |               | •          | Blind insert                                   |             |                    |             |
| AE32250-C           | 2015 →       |               |            |                                                |             |                    |             |
| AE32250-E           | 2015 →       | •             |            |                                                |             |                    |             |
| AE32250-F           | 2015 →       |               |            |                                                |             |                    |             |
| AE32250-xxx         | 2015 →       |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33154             | •            |               |            |                                                |             |                    |             |

**Yamaha YZ85**
**2002**

→

Part number  
cylinder head  
AA33041


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32059-A           | 2002 →       |               | •          | Blind insert                                   |             |                    |             |
| AE32059-H           | 2004 →       |               | •          |                                                | 8.20        | +1.60              | 1.00        |
| AE32059-K           | 2004 →       | •             |            |                                                | 8.40        | +1.60              | 1.00        |
| AE32059-L           | 2004 →       |               | •          |                                                | 8.60        | +1.60              | 1.00        |
| AE32059-xxx         | 2002 →       |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33041             | •            | •             | •          |                                                |             |                    |             |

**Yamaha YZ125**
**2001**
**2004**

Part number  
cylinder head  
AA33032


| Part number insert  | Year         | Standard      | Optional   | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|---------------------|--------------|---------------|------------|------------------------------------------------|-------------|--------------------|-------------|
| AE32046-A           | 2001 - 2004  |               | •          | Blind insert                                   |             |                    |             |
| AE32046-B           | 2001 - 2003  |               | •          |                                                | 10.80       | +1.85              | 1.00        |
| AE32046-C           | 2001 - 2003  |               | •          |                                                | 11.00       | +1.85              | 1.00        |
| AE32046-E           | 2001 - 2003  | •             |            |                                                | 11.20       | +1.85              | 1.00        |
| AE32046-F           | 2001 - 2003  |               | •          |                                                | 11.40       | +1.85              | 1.00        |
| AE32046-H           | 2004         |               | •          |                                                | 10.80       | +1.85              | 1.00        |
| AE32046-K           | 2004         |               | •          |                                                | 11.00       | +1.85              | 1.00        |
| AE32046-L           | 2004         | •             |            |                                                | 11.20       | +1.85              | 1.00        |
| AE32046-M           | 2004         |               | •          |                                                | 11.40       | +1.85              | 1.00        |
| AE32046-xxx         |              |               | •          | Special insert according to your specification |             |                    |             |
| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various                                 |             |                    |             |
| SK33077             | •            | •             | •          |                                                |             |                    |             |



VHM **Cylinder head**

## Yamaha YZ125

2005 →

Part number Remark

cylinder head

AA33077 Fits the Athena YZ144 kit



| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32100-A             | 2005 →       |               | •          | Blind insert                                   |                |                       |                |
| AE32100-B             | 2005 →       |               | •          |                                                | 10.80          | 0.00                  | 0.90           |
| AE32100-C             | 2005 →       | •             |            |                                                | 11.00          | 0.00                  | 0.90           |
| AE32100-E             | 2005 →       |               | •          |                                                | 11.20          | 0.00                  | 0.90           |
| AE32100-047           |              |               | •          | Fits Athena YZ144<br>Ø58 mm, 12°, copy         |                |                       |                |
| AE32100-xxx           | 2005 →       |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33077               | •            | •             | •          |                                                |                |                       |                |

## Yamaha YZ250

1999 →

Part number

cylinder head

AA33080



| Part number<br>insert | Year         | Standard      | Optional   | Description                                    | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|------------------------------------------------|----------------|-----------------------|----------------|
| AE32021-A             | 1999 →       |               | •          | Blind insert                                   |                |                       |                |
| AE32021-D             | 1999 →       |               | •          |                                                | 19.80          | +2.80                 | 1.50           |
| AE32021-C             | 1999 →       |               | •          |                                                | 20.20          | +2.80                 | 1.50           |
| AE32021-B             | 1999 →       | •             |            |                                                | 20.60          | +2.80                 | 1.50           |
| AE32021-xxx           |              |               | •          | Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                 |                |                       |                |
| SK33080               | •            | •             | •          |                                                |                |                       |                |

## Yamaha TZ125

1995 2009

Part number

cylinder head

AA33028B



| Part number<br>insert | Year         | Standard      | Optional   | Description                                         | Volume<br>[cc] | Piston height<br>[mm] | Squish<br>[mm] |
|-----------------------|--------------|---------------|------------|-----------------------------------------------------|----------------|-----------------------|----------------|
| AE32036-A             | 1995 - 2009  |               | •          | Blind insert                                        |                |                       |                |
| AE32036-C             | 1995 - 2009  |               | •          |                                                     | 11.40          | 0.00                  | 0.80           |
| AE32036-E             | 1995 - 2009  | •             |            |                                                     | 11.60          | 0.00                  | 0.80           |
| AE32036-F             | 1995 - 2009  |               | •          |                                                     | 11.80          | 0.00                  | 0.80           |
| AE32036-xxx           | 1995 - 1998  |               | •          | Ø56, Special insert according to your specification |                |                       |                |
| AE32036-xxx           | 1999 - 2009  |               | •          | Ø54, Special insert according to your specification |                |                       |                |
| Part number sealkit   | O-ring small | O-ring middle | O-ring big | O-ring various                                      |                |                       |                |
| SK33000               | •            |               |            |                                                     |                |                       |                |

VHM **Cylinder head**

Yamaha TZ250

1995 2002

Part number  
cylinder head  
AA33028


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32036-A          | 1995 - 2002 |          | •        | Blind insert                                   |             |                    |             |
| AE32036-C          | 1995 - 2002 |          | •        |                                                | 11.40       | 0.00               | 0.80        |
| AE32036-E          | 1995 - 2002 | •        |          |                                                | 11.60       | 0.00               | 0.80        |
| AE32036-F          | 1995 - 2002 |          | •        |                                                | 11.80       | 0.00               | 0.80        |
| AE32036-084        | 1995 - 2002 |          | •        | Ø 54 mm piston                                 | 12.00       | 0.00               | 0.80        |
| AE32036-134        | 1995 - 2002 |          | •        | Ø 56 mm piston                                 | 12.00       | 0.00               | 0.80        |
| AE32036-xxx        | 1995 - 2002 |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33000             | •            |               |            |                |

Yamaha TZ250

2003 2010

Part number  
cylinder head  
AA33065


| Part number insert | Year        | Standard | Optional | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|--------------------|-------------|----------|----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32080-A          | 2003 - 2010 |          | •        | Blind insert                                   |             |                    |             |
| AE32080-C          | 2003 - 2010 |          | •        |                                                | 11.80       | 0.00               | 0.80        |
| AE32080-E          | 2003 - 2010 | •        |          |                                                | 12.00       | 0.00               | 0.80        |
| AE32080-F          | 2003 - 2010 |          | •        |                                                | 12.20       | 0.00               | 0.80        |
| AE32080-xxx        | 2003 - 2010 |          | •        | Special insert according to your specification |             |                    |             |

| Part number sealkit | O-ring small | O-ring middle | O-ring big | O-ring various |
|---------------------|--------------|---------------|------------|----------------|
| SK33000             | •            |               |            |                |



VHM **Special inserts**
**Aprilia RS125 streetbike**

| Partnumber insert | Brand   | Type             | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|---------|------------------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32008-A         | Aprilia | RS125 streetbike |           |           | Blind insert                                   |             |                    |             |
| AE32008-B         | Aprilia | RS125 streetbike |           |           |                                                | 11.50       | +2.00              | 1.40        |
| AE32008-xxx       | Aprilia | RS125 streetbike |           |           | Special insert according to your specification |             |                    |             |


**Aprilia RS125/250 RSW racebike**

| Partnumber insert | Brand   | Type                   | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|---------|------------------------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32076-A         | Aprilia | RS125 / RS250 racebike |           |           | Blind insert                                   |             |                    |             |
| AE32076-AC39      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 11.37       | +1.50              | 0.75        |
| AE32076-AC32      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 11.22       | +1.50              | 0.75        |
| AE32076-AC37      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 11.10       | +1.50              | 0.75        |
| AE32076-AC38      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 10.90       | +1.50              | 0.75        |
| AE32076-AC56      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 10.77       | +1.50              | 0.75        |
| AE32076-AC68      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 10.64       | +1.50              | 0.75        |
| AE32076-AC69      | Aprilia | RS125 / RS250 racebike |           |           |                                                | 10.50       | +1.50              | 0.75        |
| AE32076-xxxx      | Aprilia | RS125 / RS250 racebike |           |           | Special insert according to your specification |             |                    |             |



| Partnumber insert | Brand   | Type                   | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|---------|------------------------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32085-A         | Aprilia | RS125 / RS250 racebike |           |           | Blind insert                                   |             |                    |             |
| AE32085-xxxx      | Aprilia | RS125 / RS250 racebike |           |           | Special insert according to your specification |             |                    |             |


**Derbi 50cc / 70cc**

| Partnumber insert | Brand | Type | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|-------|------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32135-A         | Derbi | 50cc |           |           | Blind insert                                   |             |                    |             |
| AE32135-xxx       | Derbi | 50cc |           |           | Special insert according to your specification |             |                    |             |
| AE32144-A         | Derbi | 70cc |           |           | Blind insert                                   |             |                    |             |
| AE32144-xxx       | Derbi | 70cc |           |           | Special insert according to your specification |             |                    |             |



**VHM Special inserts**
**GasGas 65cc**

| Partnumber insert | Brand  | Type | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|--------|------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32118-A         | GasGas | 65cc |           |           | Blind insert                                   |             |                    |             |
| AE32118-xxx       | GasGas | 65cc |           |           | Special insert according to your specification |             |                    |             |


**lame 125 Screamer**

| Partnumber insert | Brand | Type         | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|-------|--------------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32246-A         | lame  | 125 Screamer |           |           | Blind insert                                   |             |                    |             |
| AE32246-xxx       | lame  | 125 Screamer |           |           | Special insert according to your specification |             |                    |             |


**Malossi Minarelli AM6, scooter 7T**

| Partnumber insert | Brand   | Type                           | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|---------|--------------------------------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32191-A         | Malossi | 50cc Minarelli AM6, scooter 7T |           |           | Blind insert                                   |             |                    |             |
| AE32191-xxx       | Malossi | 50cc Minarelli AM6, scooter 7T |           |           | Special insert according to your specification |             |                    |             |
| AE32173-A         | Malossi | Minarelli AM6, scooter 7T      |           |           | Blind insert                                   |             |                    |             |
| AE32173-xxx       | Malossi | Minarelli AM6, scooter 7T      |           |           | Special insert according to your specification |             |                    |             |


**Malossi Piaggio**

| Partnumber insert | Brand   | Type    | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|---------|---------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32172-A         | Malossi | Piaggio |           |           | Blind insert                                   |             |                    |             |
| AE32172-xxx       | Malossi | Piaggio |           |           | Special insert according to your specification |             |                    |             |


**Modena 125**

| Partnumber insert | Brand  | Type | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|--------|------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32234-A         | Modena | 125  |           |           | Blind insert                                   |             |                    |             |
| AE32234-xxx       | Modena | 125  |           |           | Special insert according to your specification |             |                    |             |





VHM **Special inserts**
**Pavesi 125**

| Partnumber insert | Brand  | Type | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|--------|------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32055-A         | Pavesi | 125  |           |           | Blind insert                                   |             |                    |             |
| AE32055-xxx       | Pavesi | 125  |           |           | Special insert according to your specification |             |                    |             |

**Note:** does not fit the standard cylinder headcover, VHM modification on the headcover needed.


**Polini Minarelli**

| Partnumber insert | Brand  | Type      | Year from | Year till | Description                                    | Volume [cc] | Piston height [mm] | Squish [mm] |
|-------------------|--------|-----------|-----------|-----------|------------------------------------------------|-------------|--------------------|-------------|
| AE32091-A         | Polini | Minarelli |           |           | Blind insert                                   |             |                    |             |
| AE32091-xxx       | Polini | Minarelli |           |           | Special insert according to your specification |             |                    |             |


**TM K9B, K9C, KZ10, KZ10B**

| Partnumber insert | Brand | Type                  | Year from | Year till | Description                                    | Volume [cc]          | Piston height [mm] | Squish [mm]     |
|-------------------|-------|-----------------------|-----------|-----------|------------------------------------------------|----------------------|--------------------|-----------------|
| AE32203-A         | TM    | K9B, K9C, KZ10, KZ10B | 2008      | →         | Blind insert                                   |                      |                    |                 |
| AE32203-xxx       | TM    | K9B, K9C, KZ10, KZ10B | 2008      | →         | Special insert according to your specification |                      |                    |                 |
| AE32203-277       | TM    | KZ10                  | 2010      | 2011      | 4° piston<br>APTM12521704                      | 13.80<br>(13.20 CIK) | -2.20              | 1.05 mm<br>5.5° |
| AE32203-278       | TM    | KZ10                  | 2012      |           | 4° piston<br>APTM12521704                      | 13.80<br>(13.20 CIK) | -2.30              | 1.05 mm<br>5.5° |
| AE32203-279       | TM    | KZ10B                 | 2013      | →         | 4° piston<br>APTM12521704                      | 13.80<br>(13.20 CIK) | -2.40              | 1.05 mm<br>5.5° |
| AE32203-274       | TM    | KZ10                  | 2010      | 2011      | VHM flat top radius piston:<br>APTM12521718    | 13.80<br>(13.20 CIK) | -3.55              | 1.05 mm         |
| AE32203-275       | TM    | KZ10                  | 2012      |           | VHM flat top radius piston:<br>APTM12521718    | 13.80<br>(13.20 CIK) | -3.65              | 1.05 mm         |
| AE32203-276       | TM    | KZ10B                 | 2013      | →         | VHM flat top radius piston:<br>APTM12521718    | 13.80<br>(13.20 CIK) | -3.75              | 1.05 mm         |

**Note:** VHM inserts does not fit the standard cylinder headcover (CYLTMKZ10), VHM modification on the headcover needed: **MODCYLKOP-001**


**TM K9B, K9C, KZ10, KZ10B**

| Partnumber              | Partnumber                                                         |
|-------------------------|--------------------------------------------------------------------|
| OEM Cylinder head cover | Modification cylinder head cover for using VHM inserts AE32203-xxx |
| CYLTMKZ10               | MODCYLKOP-001                                                      |



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VHM *Custom made special inserts: your specifications*


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The compression ratio can be adjusted quickly, by increasing or decreasing the volume of the combustion chamber, depending on the track and weather conditions. The inserts are made of a special aluminum alloy which has a very good heat transference. Another advantage of the material is its resistance to detonation.

A higher compression ratio, which means less volume, will give the engine more low and middle range torque. This will improve the acceleration and increased torque feeling when accelerating out of the corner.

Lowering the compression ratio, which means more volume, will result in better overrevolution characteristics. We advise MX drivers to use inserts with a bigger volume on fast tracks to improve topspeed.

We give you the possibility to make your own combustion chamber according to your specifications. We have blind inserts available for all our cylinder headsets. This allows you to turn the combustion chamber profile and shape by your own.

We can also produce an insert according to your specifications, just give us the volume, piston height, squish and we have your special insert ready within 24 hours!



Fig. 1 Example custom insert with different shape of combustion chamber



Fig. 2 Various custom insert with different shape and dimension of combustion chamber