

VHM *Crankshafts & connecting rods*

CRK07 **Honda RS125 NX4** **1995-2010**

| Part number | Description | Content |
|-------------|------------------------------------|--|
| | VHM RS125 A-kit connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |

Note: fits OEM crankshaft 13300-NX4-711



CRK04 **Honda RS250 NX5, NXA** **1993-2010**

| Part number | Description | Content |
|-------------|------------------------------------|--|
| | VHM RS250 A-kit connecting rod kit | 2x connecting rod, 2x bearing, 4x washer |

Note: fits OEM crankshaft 13000-NX5-790 and 13000-NXA-610



AK20107-A **Honda RS125 NX4** **1995 - 2010**

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|------------------------------------|--|
| CRK07 | VHM RS125 A-kit connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |

AK20107-B **Honda RS125 NX4** **1995 - 2010**

Description
High inertia



| Spare parts | Description | Content |
|-------------|------------------------------------|--|
| CRK07 | VHM RS125 A-kit connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |

VHM *Crankshafts & connecting rods*

AK20097-1 Husqvarna TC65 2017 - 2018

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6029 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| DA28062-1 | Synthetic plates | 2x black synthetic plates (middle inertia) |

AK20097-2 Husqvarna TC65 2017 - 2018

Description
High inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6029 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| DA28062-2 | Aluminum plates | 2x aluminum plates (high inertia) |

AK20225 Husqvarna TC85 2018

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6113 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| DA28127 | Synthetic plates | 2x |

AK20213 Husqvarna TC125 2016 - 2018

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6226 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| 28109 | Plastic insert | 1x |
| DA28109 | Plastic insert | 4x |

VHM *Crankshafts & connecting rods*

AK20097-1 **KTM 65SX** **2009 - 2018**

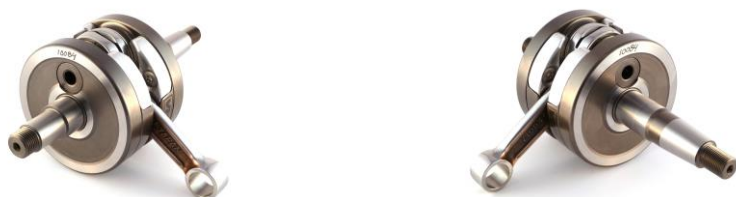
Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6029 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| DA28062-1 | Synthetic plates | 2x black synthetic plates (middle inertia) |

AK20097-2 **KTM 65SX** **2009 - 2018**

Description
High inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6029 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| DA28062-2 | Aluminum plates | 2x aluminum plates (high inertia) |

AK20225 **KTM 85SX** **2018**

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6113 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| DA28127 | Synthetic plates | 2x |

AK20213 **KTM 125SX** **2016 - 2018**

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6226 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| 28109 | Plastic insert | 1x |
| DA28109 | Plastic insert | 4x |

VHM *Crankshafts & connecting rods*

AK20215 **KTM 150SX 2016 - 2018**

Description
Middle inertia



| Spare parts | Description | Content |
|-------------|-------------------------|--|
| 03.6226 | Prox connecting rod kit | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |
| 28109 | Plastic insert | 1x |
| DA28109 | Plastic insert | 4x |

AK20192 **Yamaha YZ125 2005 - 2018**

Description
High inertia



| Spare parts | Description | Content |
|-------------|---------------------------------|--|
| 03.2225 | Prox connecting rod kit, 102 mm | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |

AK20192-1 **Yamaha YZ125 2005 - 2018**

Description
High inertia, +3 mm conrod



| Spare parts | Description | Content |
|-------------|---------------------------------|--|
| 03.2221 | Prox connecting rod kit, 105 mm | 1x connecting rod, 1x big end pin, 1x bearing, 2x washer |

VHM *Crankshaft modification*

Besides the exclusive VHM crankshafts, we can offer a modification on the OEM crankshaft for better performance. Most of the tuned engines are using the OEM crankshaft which is not optimally balanced. When a lighter or heavier piston and connecting rod are used, the balance is not correct anymore resulting in more vibrations and poor performance.

First we determine the total reciprocating weight. Using an advanced computer simulation, we calculate the best balance for each application. Exotic material like tungsten will often be used to modify the balance. After modification the crankshaft will be assembled and aligned with high precision. After modification of the crankshaft you will definitely notice the difference on the track, resulting in better lap times.

Some applications require crankshafts with another inertia for better acceleration, feeling, handling or traction. With your input and our experience, we can modify your OEM crankshaft to a racing crankshaft!

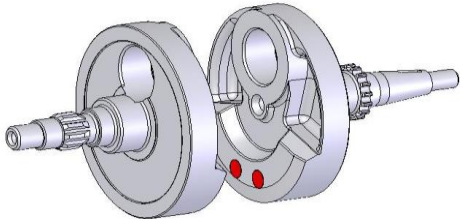


Fig. 2 Example Kawasaki KX250F crankshaft modification

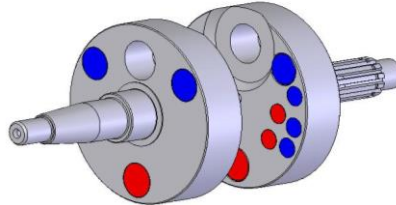


Fig. 3 Example TM 125 K9-C / KZ10 crankshaft modification

| Brand & type | Year | Part number | Description |
|------------------|-------------|-------------|---|
| Honda | | | |
| CRF450R | 2017 - 2018 | AK20221-001 | High inertia, modified balance |
| Husqvarna | | | |
| TC50 | 2017 - 2018 | AK20123-002 | High inertia |
| TC65 | 2017 - 2018 | AK20136-002 | Middle inertia, modified balance |
| TC85 | 2014 - 2017 | AK20161-002 | High inertia, modified balance |
| | 2018 - | AK20224-001 | Middle inertia |
| TC125 | 2014 - 2015 | AK20137-001 | High inertia, modified balance |
| | 2016 - 2018 | AK20202-001 | High inertia |
| | 2016 - 2018 | AK20202-002 | Middle inertia |
| TC250 | 2014 - 2016 | AK20133-005 | High inertia, std conrod and piston |
| TC250 Big bore | 2008 - 2016 | AK20133-004 | Using Husqvarna 300 piston, high inertia, modified balance |
| FC250 | 2016 - 2018 | AK20203-002 | High inertia, modified balance |
| | 2016 - 2018 | AK20203-006 | Low inertia, modified balance |
| Kawasaki | | | |
| KX85 | 2006 - 2013 | AK20041-007 | High inertia, modified balance |
| | 2014 - 2018 | AK20178-001 | High inertia, modified balance |
| | 2014 - 2018 | AK20178-002 | Middle inertia, modified balance |
| KX125 | 2003 - 2010 | AK20033-001 | High inertia, modified balance |
| KTM | | | |
| 50SX | 2009 - 2018 | AK20123-002 | High inertia |
| 65SX | 2009 - 2018 | AK20136-002 | Middle inertia, modified balance |
| 85SX | 2009 - 2012 | AK20086-002 | High inertia, modified balance |
| | 2013 - 2017 | AK20161-002 | High inertia, modified balance |
| | 2018 - | AK20224-001 | Middle inertia |
| 125SX | 2007 - 2015 | AK20137-001 | High inertia, modified balance |
| | 2016 - 2018 | AK20202-001 | High inertia |
| | 2016 - 2018 | AK20202-002 | Middle inertia |
| 150SX | 2016 - 2018 | AK20210-001 | High inertia, modified balance |
| 250SX | 2008 - 2016 | AK20133-005 | High inertia, std conrod and piston |
| 250SX Big bore | 2008 - 2016 | AK20133-004 | Using KTM 300 piston, high inertia, modified balance |
| 300EXC | 2008 - 2016 | AK20143-002 | Hotrods crankshaft with silver conrod, using KTM 300 piston, high inertia, modified balance |
| 300EXC | 2008 - 2016 | AK20143-003 | Hotrods crankshaft with brown conrod (stronger), using KTM 300 piston, high inertia, modified balance |
| 250SX-F | 2016 - 2018 | AK20203-002 | High inertia, modified balance |
| | 2016 - 2018 | AK20203-006 | Low inertia, modified balance |
| 450SX-F | 2016 - 2018 | AK20211-001 | Modified balance |
| Suzuki | | | |
| RM85 | 2003 - 2012 | AK20039-001 | High inertia, modified balance |
| Yamaha | | | |
| YZ85 | 2002 - 2018 | AK20071-001 | High inertia, modified balance |
| YZ125 | 2005 - 2018 | AK20063-002 | High inertia, modified balance |
| YZ125 | 2005 - 2018 | AK20063-006 | High inertia, modified balance, using 3 mm longer conrod |
| YZ250F | 2016 - 2018 | AK20206-001 | High inertia |

We provide crankshaft modifications for almost all well-known brands like Honda, Husqvarna, Kawasaki, Maxter, KTM, Suzuki, TM, Vortex, Yamaha and many more. Contact our engineers for more information.