

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

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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

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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**

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

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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!

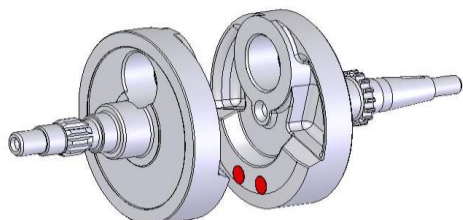


Fig. 2 Example Kawasaki KX250F crankshaft modification

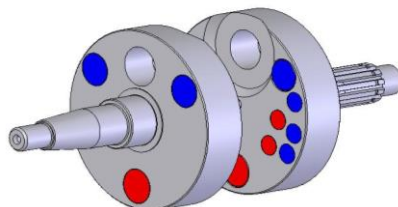


Fig. 3 Example TM 125 K9-C / KZ10 crankshaft modification

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	AK20063-002	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.