

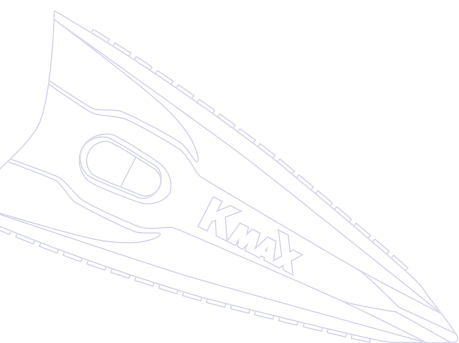
KOMATSU



Kmax



Ground Engaging Tools (G.E.T.) **Kmax Tooth System**



For excavators from 10 tonnes up to 120 tonnes
For wheel loaders from 120 HP up to 800 HP

The Kmax System: so good it's patented

Komatsu takes care of every aspect of your machine. That includes the most advanced, most reliable and best fitting parts to optimize machine performance and lower your total cost of operation. The Kmax tooth system is another example of our commitment to help you get the most from your machine.

Durable

Hardness right to the core

Kmax GET are manufactured to a higher standard. The heat treatment process results in a 477-532 Brinell Hardness throughout the tooth and right to the core, in order to meet critical specifications for high strength and durability.



Productive

Higher consumption ratio, 60% consumable steel

The tooth consumption ratio indicates the percentage of available wear material on the whole tooth. The greater the ratio the better the value because more of the tooth is used and less is thrown away. An advantage to the Kmax system is that the tooth can be reversed to compensate eventual asymmetrical wear, contributing to an excellent wear ratio.



For excavators from
10 tonnes up to 120 tonnes

For wheel loaders from
120 HP up to 800 HP



Safe and quick

“Easy as 1-2-3 !”

A hammerless, thus safe, easy and quick installation and tooth replacement is a key advantage of the Kmax system. The reusable fastener guarantees secure locking and requires no special tools.

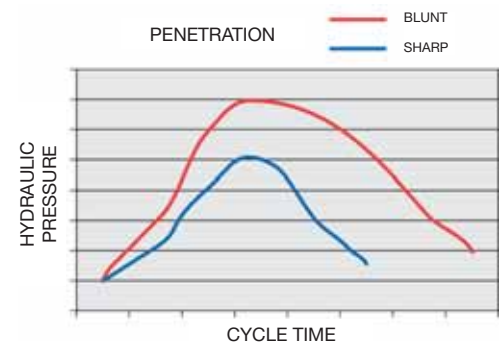


1. Unlock the pin locking shaft by rotating 90° with a socket wrench
2. Take out the reusable fastener
3. Remove or exchange the tooth

High penetration

Reduces cycle times and fuel consumption

The Kmax streamlined design and self sharpening teeth contribute to the overall production with a better penetration and improved material flow. The system reduces cycle times, requires less hydraulic pressure and improves fuel consumption.



Environmentally friendly

The Kmax system provides an improved performance, faster cycle times and a lower fuel consumption. With a longer life for parts and less waste, Kmax actively contributes to a safer environment.

Kmax Tooth Styles – Excavators

Superior design, for superior production and value

The high quality steel, unique design and application-specific styles of the Kmax excavator teeth make them suited for every job. From general purpose teeth designed for better penetration in tight materials or corners to teeth that offer greater fill and extend wear life, the Kmax system maximises productivity and minimises downtime.

Kmax MATCHING TABLE BASED ON EXCAVATOR OPERATING WEIGHT (TONS)

Machine model	Kmax Series	STANDARD/HEAVY DUTY		EXTREME SERVICE*	
		from	to	from	to
PC118-138 / PW118-160	K15	10	15,5	7,5	11,7
PC160-190 / PW180	K20	15,5	21,5	11,7	16,2
PC210-240 / PW200-220	K25	21,5	29,4	16,2	22,0
PC290-360	K30	29,4	39,8	22,0	29,8
	K40	39,8	53,1	29,8	29,8
PC450-490	K50	53,1	67,2	29,8	50,4
PC700	K70	67,2	88,6	50,4	66,4
PC800-(1250)	K85	88,6	119	66,4	89,3

The above table is for quick reference only and based on standard applications.

– The recommended Kmax size might vary depending on the application.

– Please contact your local distributor for a detailed matching table for your machine and main application

* Extreme Service refers to applications including high impact shock loads, extreme cold conditions, or demolition excavators





EX (Heavy Rock)

General purpose tooth designed for better wear life



SYL (Standard)

General applications



F (Flare)

Loose material for clean bottom and greater fill



T (Tiger)

Designed for good penetration with ribs for strength



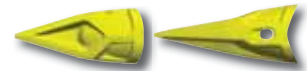
HS (Heavy)

Designed for all applications with greater wear life



TV (Tiger)

Offers best penetration in tight material



RC (Rock Chisel)

Designed for penetration and long wear life



UT (Twin Tiger)

Offers longer life penetration for corners



SD (Chisel)

General purpose tooth designed for penetration



WT (Twin Tiger)

Designed for penetration for corners



SDX (Penetration)

Heavy duty penetration tooth designed for better wear life



Kmax Tooth Styles – Wheel Loaders

Designed for virtually every application

From loose dirt and crushed concrete to the most abrasive mining applications, the high quality steel and unique design of the Kmax system minimises downtime and maximises productivity. In any application, the Kmax system improves safety and reduces cost.

Kmax MATCHING TABLE BASED ON WHEEL LOADER BREAK-OUT FORCE (KG)

Machine model	Kmax Series	STANDARD/HEAVY DUTY		EXTREME SERVICE*	
		from	to	from	to
WA200-380	K15	11.450	16.650	9.150	13.350
WA430-480	K20	16.650	24.950	13.350	19.950
WA470 / 480 HD	K25	24.950	32.500	19.950	26.000
WA500 / 500 HD	K30	32.500	39.800	26.000	31.850
	K40	39.800	49.100	31.850	39.500
WA600	K50	49.100	58.950	39.500	47.150
WA700	K70	58.950	71.550	47.150	57.250
WA800-900	K85	71.550	72.200	57.250	72.200

The above table is for quick reference only and based on standard applications.

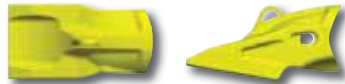
- The recommended Kmax size might vary depending on the application.

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ABR (Heavy Abrasion)

Maximum bottom wear material



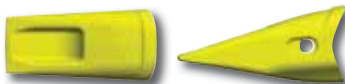
AG (Abrasion)

High abrasion



BPS (General Purpose)

General applications



RP1 (Rock Penetrator)

Good bottom wear and penetration



RPX (Rock Penetrator Heavy)

Offers more material for longer wear life



RP2 (Rock Penetrator)

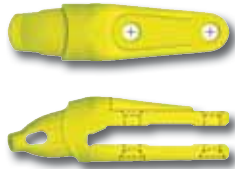
Greater bottom wear and penetration



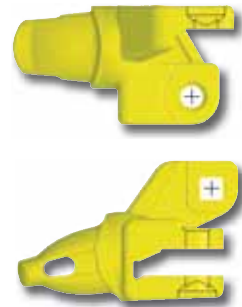
Bolt-on adapters for wheel loaders

Kmax bolt-on adapters have a shape that promotes smooth flow of material over the tooth/adaptor for even, consistent wear, no matter how abrasive the materials. The unique patented G.E.T. system produces a cost effective, productive and worry-free product so you can get the job done.

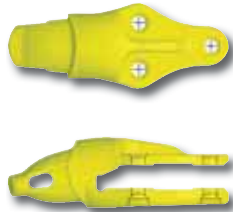
2 Hole Center



Corner



3 Hole Center

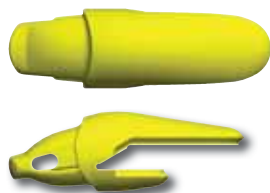


Weld-on adapters for excavators & wheel loaders

From loose dirt and crushed concrete to the most abrasive mining applications, the Kmax weld-on adapters are designed for peak performance no matter what the job. State-of-the-art computer software helped engineers at Komatsu to develop a system that gives you maximum penetration, greater production strength and longer life.

1 1/2 Leg

General excavator applications



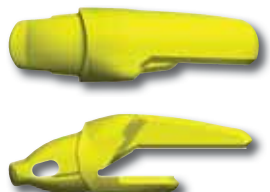
Heavy Loader

More material and wear cap for loaders



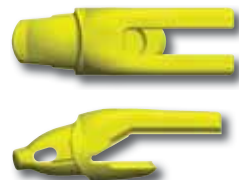
Notched Corner

Corner placement for excavator applications



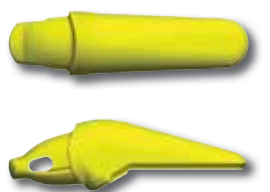
Straddle Leg

Optional corner adapter for greater strength



Flush Mount

Smooth bottom lip edge



Weld-on Nose

Repair applications



Ground Engaging Tools (G.E.T.)

Kmax Tooth System

Unique G.E.T. and buckets offered by Komatsu

Komatsu offers a very wide G.E.T. range in addition to the Kmax system. It includes tooth systems for very small and very large machines, protective devices, cutting edges, end bits and rippers. The unique Kmax system and these special products cover all your individual machine applications.

For best results, the high-performance Kmax system should be combined with a high-performance Komatsu bucket. We offer an extensive range of exclusively designed buckets, which come fitted with the Kmax system. These buckets feature a special profile that is proven to increase productivity. They are offered in all duty classes from the lightest to the most severe applications.

For more information on these unique Komatsu products, please consult your local Komatsu representative.



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