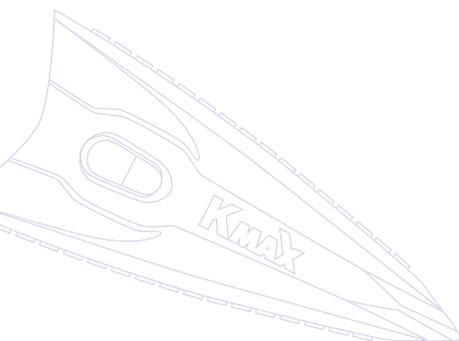


KOMATSU



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



For excavators from 12 tonnes up to 80 tonnes
For wheel loaders from 120 HP up to 800 HP

Optimized Machine

Komatsu takes care of every aspect of your machine. That includes offering the most advanced, most reliable and best fitting parts to optimize machine performance and lower your total cost of operation. We also offer the highest expertise on parts and complete machines, helping you maintain outstanding productivity levels and the high value of your Komatsu machine.

The Kmax tooth system is another example of our commitment to helping you get the most from your machine. The most efficient solution for all digging applications, Kmax optimizes bucket performance and makes changing teeth quick and easy.

Sharp

Kmax has a unique sharp system profile. The slim teeth extend well beyond the bucket edge, while the adapters have a rounded shape. And the join between the tooth and adapter is very smooth. Together, these features ensure the teeth penetrate easily and material flows smoothly in and out of the bucket.



Kmax

For excavators from
12 tonnes up to 80 tonnes

For wheel loaders from
120 HP up to 800 HP



Strong

Kmax has an excellent size to strength ratio. Its smooth surfaces avoid the stress concentrations common in other systems. The adapter nose is computer designed for maximum resistance to shock loads. Thanks to these features, Kmax is both very slim and very strong.



Easy

Kmax features a unique, easy-to-use fastener that guarantees secure locking. No more heavy hammer blows, it can be removed from the adapter hole with a simple tap and inserted by hand. The lock is firmly secured by a device similar to a door latch. Safe to use, the lock lets you change teeth quickly and easily - saving time and money.

Optimized Technology

Kmax is sharper

Kmax is the only tooth system with a rounded profile, an extended shape and very smooth tooth-to-adapter transitions. This produces a very slim system that cuts easily through any material. The extended shape keeps the teeth sharp much longer. And the slim adapter profile reduces material build up around the adapter.

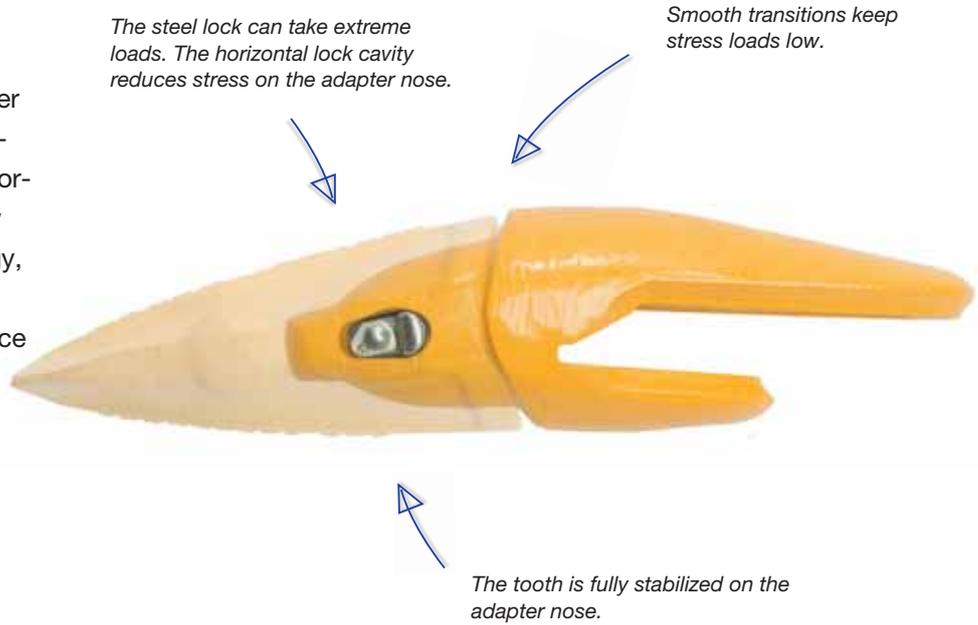


Extended, slim tooth shape



Kmax is stronger

With Kmax, the tooth is fully stabilized on the adapter nose. Moreover, the system features a full metal lock and smooth surface transitions. This means the adapter nose can be slimmer than in traditional systems while still being enormously strong. Thanks to a highly advanced steel casting technology, Kmax is made from the hardest steels with the maximum resistance to breakage.



Kmax is easier

Kmax is locked with a latch. This ensures the easiest, safest and most secure locking method for a hammer-less system. No prying or special tools are needed. The teeth can be changed quickly and with minimal effort.



Locked and open position



Optimized Applications

1-1/2 leg adapter

The 1-1/2 leg adapter is used on excavators and medium to large loaders. It provides maximum strength.



Flush mount adapter

The flush mount adapter is used on small to medium loaders and some excavators. It provides a flush cut underneath the bucket.



Notched corner adapter

The notched corner adapter is easy to weld in the corners of the bucket. It provides a clean cut at the bucket sides.



L & T-shape corner adapters

The 'L-shape' corner adapter is a non-symmetrical, heavy-duty corner adapter for tough applications.

The 'T-style' corner adapter is a symmetrical, very heavy-duty corner adapter for very tough applications. One style fits both left and right corners.



Straddle corner adapter

Straddle corner adapters can be welded in after completing the bucket shell. This saves time and money, and provides a stronger solution. These symmetrical adapters fit both left- and right-side corners.



Optimized Applications

RC (Rock Chisel) tooth

RC is a heavy-duty tooth for standard to tough applications.



SYL (Sharp, ribbed) tooth

SYL is a general-purpose tooth for all standard applications.



T (Tiger) tooth

T is a very pointed tooth that can be used where increased penetration is needed, for example, in compacted or frozen materials.



WT (Twin Tiger) tooth

WT is a double-pointed tooth that provides clearance at the bucket sides. It can be used together with the T-style tooth. It can also be used at all adapter locations for scraping applications.



UT (Twin Tiger 'U') tooth

UT is a double-pointed tooth that features an extra-long lifetime.



F (Flare) tooth

F is a wide tooth for loading soft materials.



TV tooth

TV is a sharp tooth that can be used for scraping work, when wear is concentrated at the tip of the tooth.



BPS tooth

BPS is a double-rib tooth with increased resistance to breakage.



RP (Rock Penetrator) tooth

RP is a non-symmetric tooth for rock applications and is used on loaders. It has extra steel on the bottom and works well with segments between the adapters.



RPX tooth

RPX is a non-symmetric heavy duty quarry tooth for loaders. It features a special distribution of the wear metal to provide extra wear life.



Specifications

EXCAVATORS – ADAPTERS AND TEETH

Model	Weight (tons)		Bucket type	Edge [mm]	Kmax range	Adapter type	Bevel [°]	Adapters part no	Lock part no	Tooth Rock chisel	Tooth Tiger	Tooth Twin tiger	Tooth GP	Tooth Flare	Tooth "U" Twin tiger
	from	to													
PC128-150 PW130-160	10	16	LP	25	K15	1-1/2 leg	30	K110015	KP15C	K15RC-B	K15T	K15WT	K15SYL-B	K15F	K15UT
	10	16	GP	25	K15	1-1/2 leg	30	K110015	KP15C	K15RC-B	K15T	K15WT	K15SYL-B	K15F	K15UT
PC160-PC180 PW170-PW180	15	22	LP	30	K20	1-1/2 leg	30	K1030M20	KP20C	K20RC-B	K20T	K20WT	K20SYL-B	K20F	K20UT
	15	22	HD	30	K20	1-1/2 leg	30	K1030M20	KP20C	K20RC-B	K20T	K20WT	K20SYL-B	K20F	K20UT
PC210-230 PW200-220	20	25	LP	35	K25	1-1/2 leg	25	K8035M25	KP25C	K25RC-B	K25T	K25WT	K25SYL-B	K25F	K25UT
	20	25	GP	40	K25	1-1/2 leg	25	K8040M25	KP25C	K25RC-B	K25T	K25WT	K25SYL-B	K25F	K25UT
	20	25	HD	40	K25	1-1/2 leg	25	K8040M25	KP25C	K25RC-B	K25T	K25WT	K25SYL-B	K25F	K25UT
PC240	20	25	GP	40	K25	1-1/2 leg	25	K8040M25	KP25C	K25RC-B	K25T	K25WT	K25SYL-B	K25F	K25UT
	20	25	HD	40	K25	1-1/2 leg	25	K8040M25	KP25C	K25RC-B	K25T	K25WT	K25SYL-B	K25F	K25UT
PC250-290	24	40	GP	45	K30	1-1/2 leg	30	K117530	KP30C	K30RC-B	K30T	K30WT	K30SYL-B	K30F	K30UT
	24	40	HD	50	K30	1-1/2 leg	30	K120030	KP30C	K30RC-B	K30T	K30WT	K30SYL-B	K30F	K30UT
PC300-380	25	40	GP	45	K30	1-1/2 leg	30	K117530	KP30C	K30RC-B	K30T	K30WT	K30SYL-B	K30F	K30UT
	30	40	HD	50	K30	1-1/2 leg	30	K120030	KP30C	K30RC-B	K30T	K30WT	K30SYL-B	K30F	K30UT
PC400-450	40	53	HD	60	K50	1-1/2 leg	30	K1060M50	KP50C	K50RC-B	K50T	K50WT	K50SYL-B	K50F	K50UT
PC600	53	68	HD	70	K50	1-1/2 leg	30	K1070M50	KP50C	K50RC-B	K50T	K50WT	K50SYL-B	K50F	K50UT
	53	68	SH	80	K70	1-1/2 leg	30	K1080M70	KP70C	K70RC-B	K70T	K70WT	K70SYL-B	K70F	K70UT
PC750-800	68	88	HD	80	K85	1-1/2 leg	30	K1080M85	KP85C	K85RC-B	K85T	K85WT	K85SYL-B		K85UT
	70	119	SH	90	K85	1-1/2 leg	30	K1090M85	KP85C	K85RC-B	K85T	K85WT	K85SYL-B		K85UT

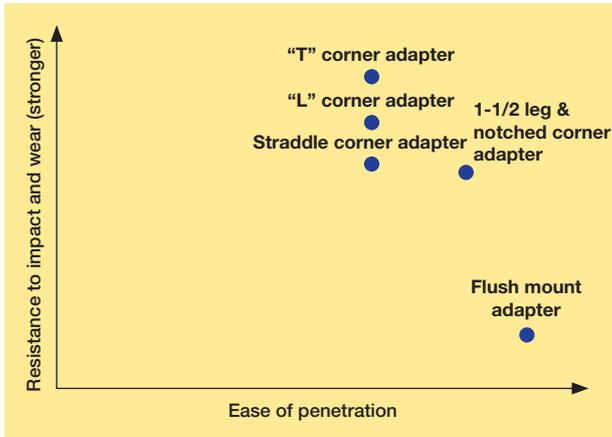
WHEEL LOADERS – ADAPTERS AND TEETH

Model	Weight [tons]	Kmax range	Edge thickness [mm]	Gap [mm]	Bevel [°]	Adapter 1- 1/2 leg	Adapter Flush	Lock STD	Tooth RP1	Tooth RP2	Tooth RP Quarry
WA250	13,8	K15	25		25		K9025M15	KP15C	K15RP1	K15RP2	
WA320	14,5	K15	30		25		K9025M15	KP15C	K15RP1	K15RP2	
WA380	18	K15	30		25		K9025M15	KP15C	K15RP1	K15RP2	
WA430	20	K20	35		25		K9030M20	KP20C	K20RP1	K20RP2	
WA470	24	K20	40		25		K9030M20	KP20C	K20RP1	K20RP2	
WA470 HD	24	K25	40	42	25	K8040M25		KP25C	K25RP1	K25RP2	
WA480	25	K20	40		25		K9030M20	KP20C	K20RP1	K20RP2	
WA480 HD	25	K25	40	42	25	K8040M25	K9035M25	KP25C	K25RP1	K25RP2	
WA500	32	K30	40	42	25	K8040M25	K9035M25	KP25C	K25RP1	K25RP2	
WA500 HD	32	K30	50	52	25	K8050M30	K9050M30	KP30C	K30RP1	K30RP2	
WA600	46	K50	60	62	30	K1060M50		KP50C	K50RP1	K50RP2	K50RPX
WA600	46	K50	65	68	30	K1065M50		KP50C	K50RP1	K50RP2	K50RPX
WA700	71	K70	70	73	30	K1070M70		KP70C	K70RP1	K70RP2	K70RPX
WA800	99	K85	80	84	30	K1080M85		KP85C		K85RP2	K85RPX

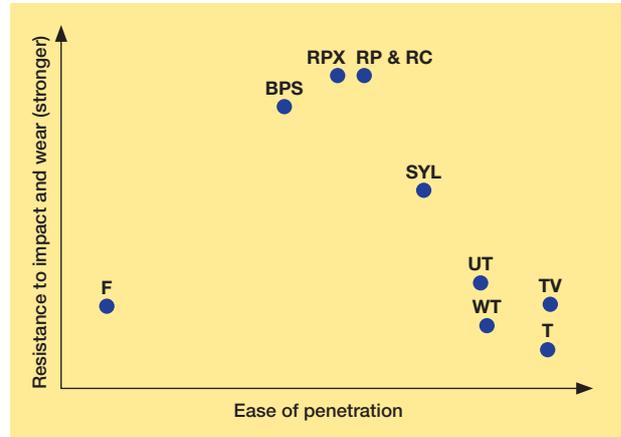




SELECTION CHART FOR ADAPTERS



SELECTION CHART FOR TEETH



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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