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KMAX™ System

Unique Design for Maximum Wear

Komatsu's patented KMAX™ System was designed by Hensley to deliver peak performance in all types of materials, from loose dirt to crushed concrete. The nose design is critical to the strength and longevity of the KMAX™ System. Its smooth shape and rounded design help reduce areas of stress concentration under load. The razor sharp teeth are elongated to increase strength and material flow. The design maximizes tooth strength without adding unnecessary bulk, so there's a minimal amount of material left when the tooth wears out (i.e., a low throw away ratio).

Better Penetration and Cycle Times

The streamlined design of the entire system combines with self-sharpening teeth to help increase penetration. With these features, the hydraulic pressure required is reduced, which decreases cycle time and fuel consumption.

Fast Changes

The KMAX™ System is designed for quick tooth installation with minimal hammering. Teeth can be changed in minutes. Simply use the unique reusable socket to unlock the fastener with a 90° turn, put on the new tooth and get back to work!

Made of Top Quality Cast Alloys

A superior heat treatment process assures that the KMAX™ teeth meet hardness specifications, inside and out. The hardness specification ranges from 477 to 532 on the Brinnell scale.

Reversible—Flip the Teeth

A reversible system can extend the life of your G.E.T. in applications where working methods and conditions cause unbalanced wear.

Reusable Locking Pins

Saves money when changing or flipping teeth.



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Equipment

- Articulated Trucks
- Asphalt Rollers
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- Crawler Loaders
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- Dozers
- Excavators
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Corporate Headquarters

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KMAX™ Teeth for Any Application

Type of Material	Equipment	Tooth Model	Tooth Description
High Abrasion Heavy Duty	Excavator	RC, Rock Chisel 	Profile wears sharp for penetration.
High Abrasion Heavy Duty	Loader	RP2, RP3 Rock Penetrator 	Non-centerline profile with heavy flat bottom. Center rib for strength and sharpness.
Medium Duty Medium Abrasion	Excavator	WT, Twin Tiger 	Tooth shape provides maximum penetration. Used on corner adapters to cut bucket clearance.
Medium Duty Medium Abrasion	Excavator	T, Tiger 	Ribs for strength in tough digging conditions.
Light Duty General Purpose	Excavator	F, Flare 	Wide profile for general clean up and trench bottoms. Panels for excavation strength.
Light Duty General Purpose	Excavator	SYL, Sharp, Ribbed 	General purpose shape with ribs for support. Profile wears sharp for penetration.

KMAX™ Series Recommendations for Excavators

Series	Standard/Heavy Duty		Extreme Service	
	Start	End	Start	End
15	22,000	34,500	16,500	25,875
20	34,500	47,700	25,875	35,775
25	47,700	64,800	35,775	48,600
30	64,800	87,800	48,600	65,850
40	87,800	117,200	65,850	87,900
50	117,200	148,300	87,900	111,225
70	148,300	195,400	111,225	146,550
85	195,400	262,600	146,550	196,950

Based on Operating Weight (lbs)