

Cat® Block Handling Tools

For wheel loaders Cat 980H/K/M, 986H and 988H/K



Features

Solutions

Benefits

Caterpillar block handling tools are the solution for handling large block and bolders in the demanding environment of quarry applications. Easy to interchange tools complement each other to provide solutions were mostly needed.

Reliable

Block handling tools are designed and built for a long service life by using the best suitable materials.

Complete package

The combination of the Caterpillar machine and this set of seven dedicated block handling tools provides the best match for most block handling tasks in order to work in the most efficient way.

Performance

Caterpillar block handling tools are specially designed for prying, loading, carrying, transporting, tilting, controlling and moving very large squared blocks and bolders to get the best performance of both tools and machine. These tools are designed to withstand the demanding and harsh environment of block handling applications. Various work tools are available to assist operators in all block handling applications.

Cat Service

When you deal with Caterpillar you deal with a well-established technology leader with a global network and over 80 years' experience in the construction, mining, demolition and recycling industries

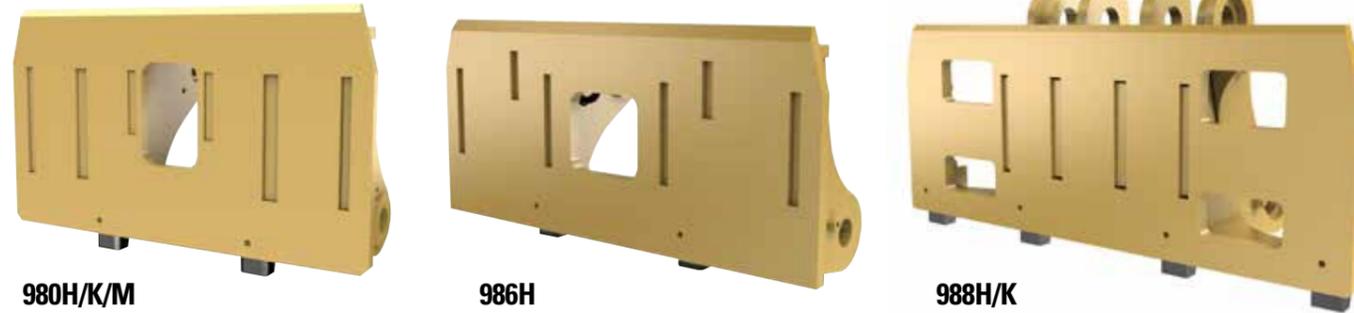


Block Handling Tools for wheel loaders 980H/K/M, 986H and 988H/K

Choosing the proper tools for the 980/988 block handling wheel loaders will lower operating cost and increase productivity.

Block Handling Quick Coupler

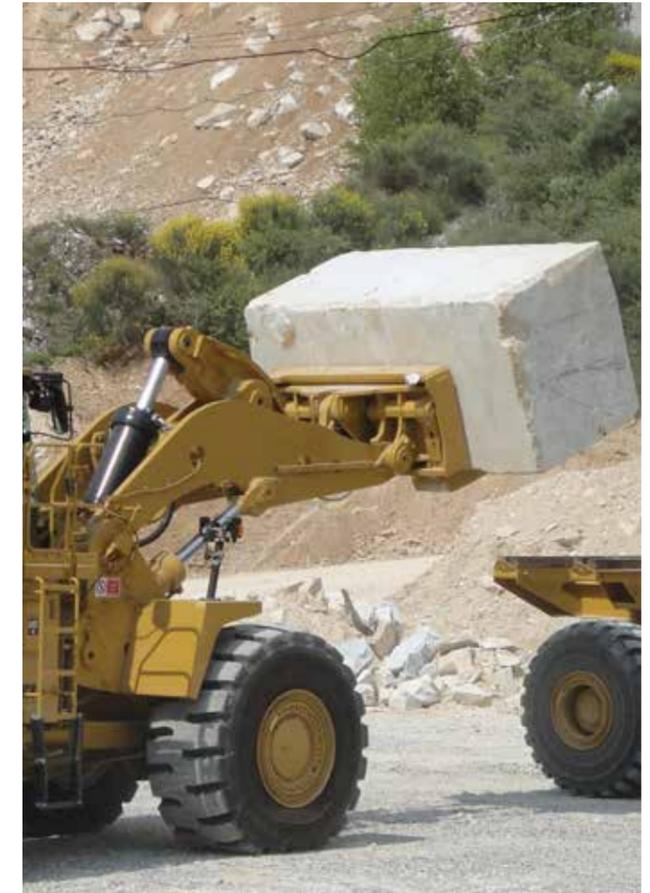
Can be used on block handling arrangements that have a hydraulic system equipped with a third valve. This quick coupler is designed for optimal utilization of lifting and break-out forces equipped with Caterpillar cylinder, safety valves, pressure and isolation valves, safety covers and lock-indicators. It has enhanced visibility and has been optimized for handling large rocks and blocks.



Breaker tine
Center mounted, heavy-duty single-piece forged fork tine is used for prying loose large stone blocks. Its build with an extra thick tine to handle a variety of materials in this demanding application.

Forks
Heavy-duty pallet forks are engineered to handle weight and load stress when maneuvering and placing blocks in quarry operations. Dual tine forks are designed to allow blocks to be placed close to the machine for greater balance and safe handling.

Clearing Rake
Used primarily for clearing and controlling loose objects at the quarry face and working levels. The block handling rake is designed with a curved boom for enhanced operator visibility and object placement. The length of the boom is matched to machine size for improved Performance.



Block Handling Work Tools are extreme duty tools built for the demanding quarry and block-handling markets. The complete system is based around a quick coupler and a series of rugged tools specifically for handling and manipulating large stone blocks. These tools are designed to withstand the demanding and harsh environment of block handling applications. Various work tools are available to assist operators in all block handling applications.

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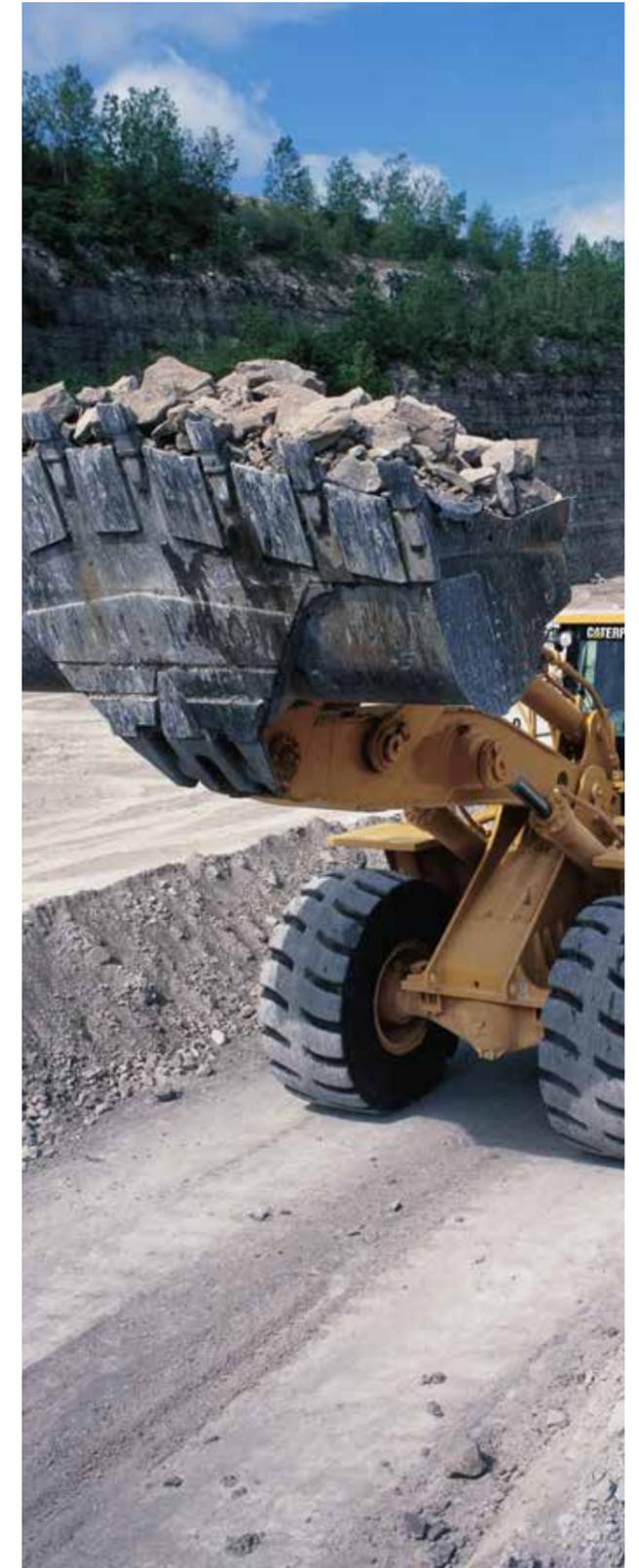

Rock bucket
Heavy-duty bucket which offers superior durability, protection and performance in rock and overburden operations in block quarries. It includes large size teeth and segments. Its (high wear resistant) metal shell and bottom offer maximum strength, durability and wear life.



Marble bucket
Special bucket construction including The metal shell and bottom help the bucket effectively load large Blocks and boulders while maintaining durability. The corner teeth ease block tilting and handling. The heavy duty V-edge is particularly suited for handling high-value breakable marbles before cutting operations.



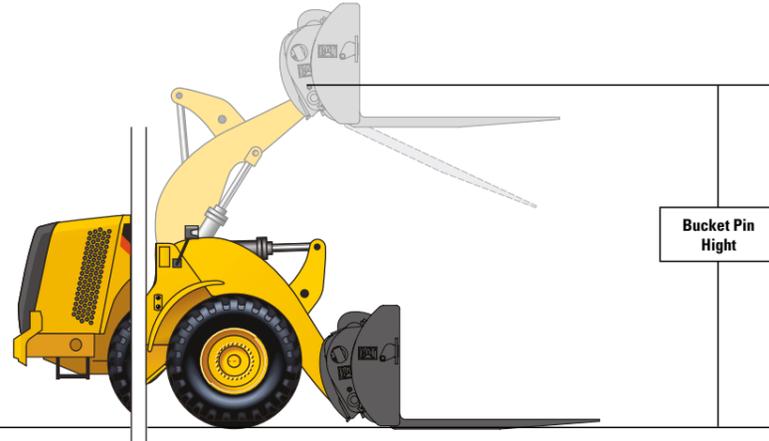
Block bucket
Special bucket construction to effectively load very large squared blocks and boulders. The deep carved sides and extra long heavy-duty bottom allow the special V-edge to penetrate under large blocks. The interior bucket profile allows blocks to further fit back in the bucket for increased load and lift capabilities and better balance and rack back. It's metal shell and bottom offers maximum strength, durability and wear life.



980K/M

Curves – BH QC with Fork

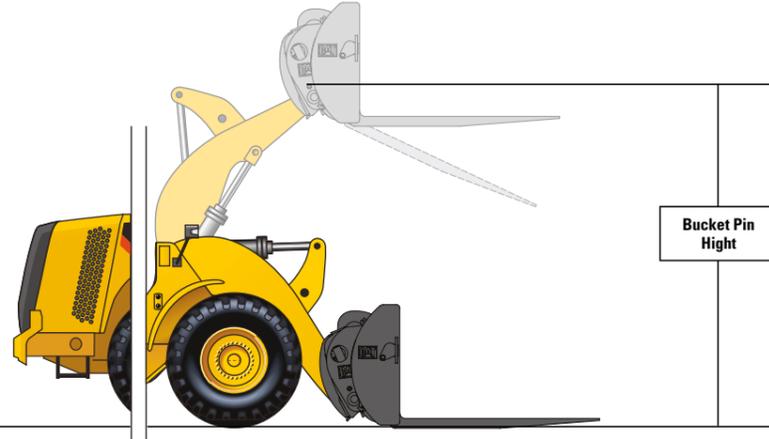
L5 Tires, Fork at 25 Degree Rack, 1524 mm (60 in) Tine, Block Handler Quick Coupler, Block Handler Quick Coupler Fork



980H

Curves – BH QC with BH Fork

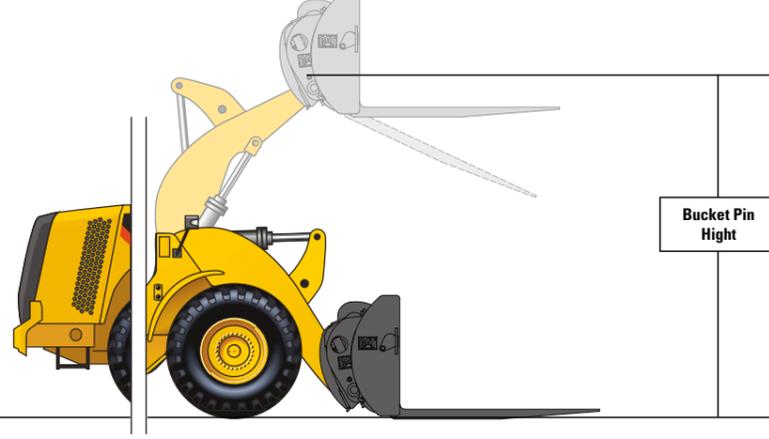
L5 Tires, Fork at 25 Degree Rack, 1524 mm (60 in) Tine, Block Handler Quick Coupler, Block Handler Quick Coupler Fork



986H

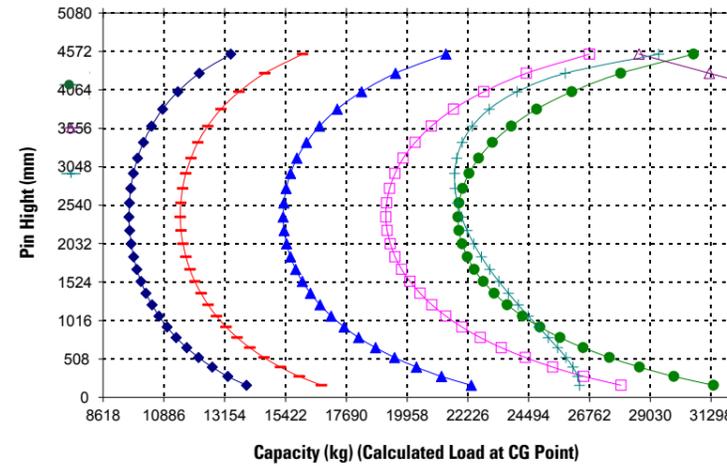
Curves – BH QC with BH Fork

L5 Tires, Fork at 25 Degree Rack, 1524 mm (60 in) Tine, Block Handler Quick Coupler, Block Handler Quick Coupler Fork



Block Handling Fork Performance Curves

- ◆ Payload (SAE J1197)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- Static Tipping Load - Straight
- ◆ Hydraulic Lift Capacity
- Payload (CEN EN 474-3 - Rough Terrain)
- Static Tipping Load - Articulated
- ▲ Hydraulic Tilt Capacity

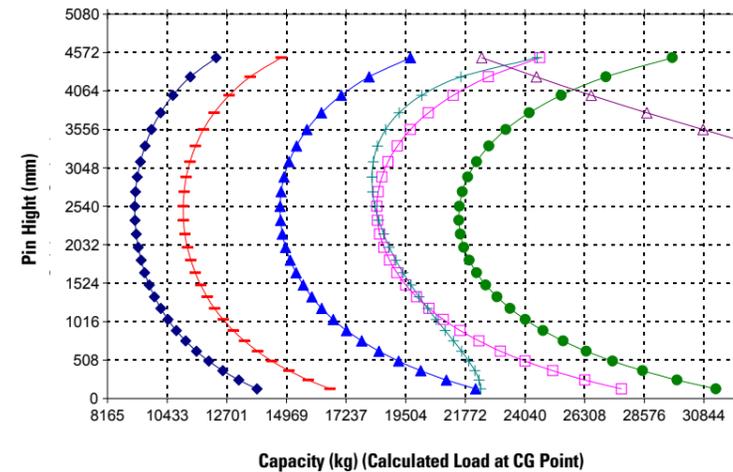


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
 SAE J1197: 50% of full turn static tipping load or hydraulic limit.
 CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
 CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
 **CEN - European Committee for Standardization

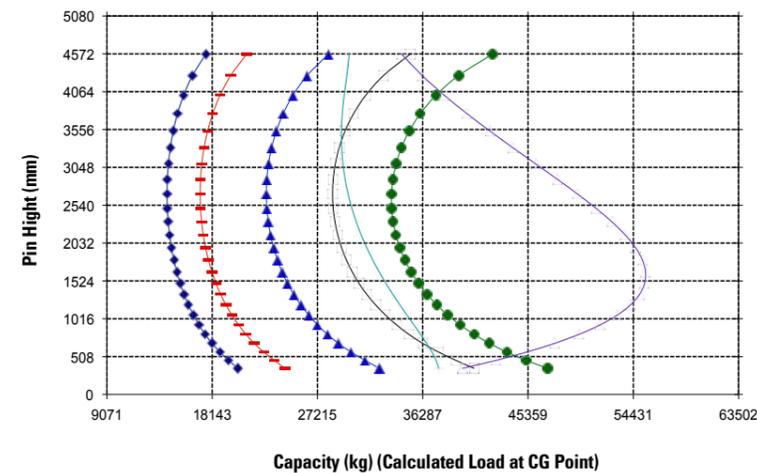


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L5 Bridgestone Bias Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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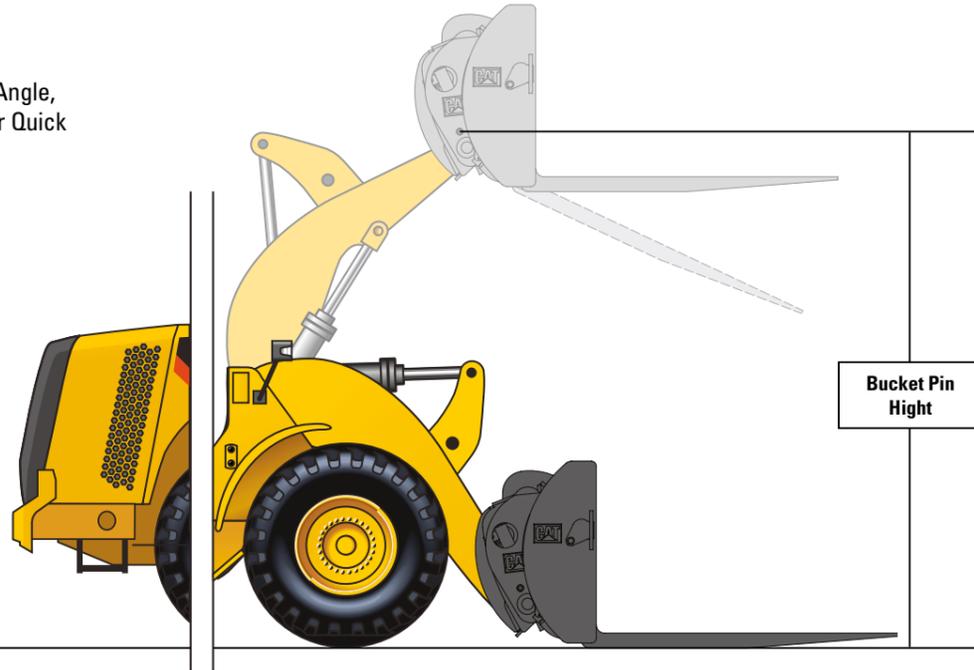
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988K

Curves – BH QC with Fork

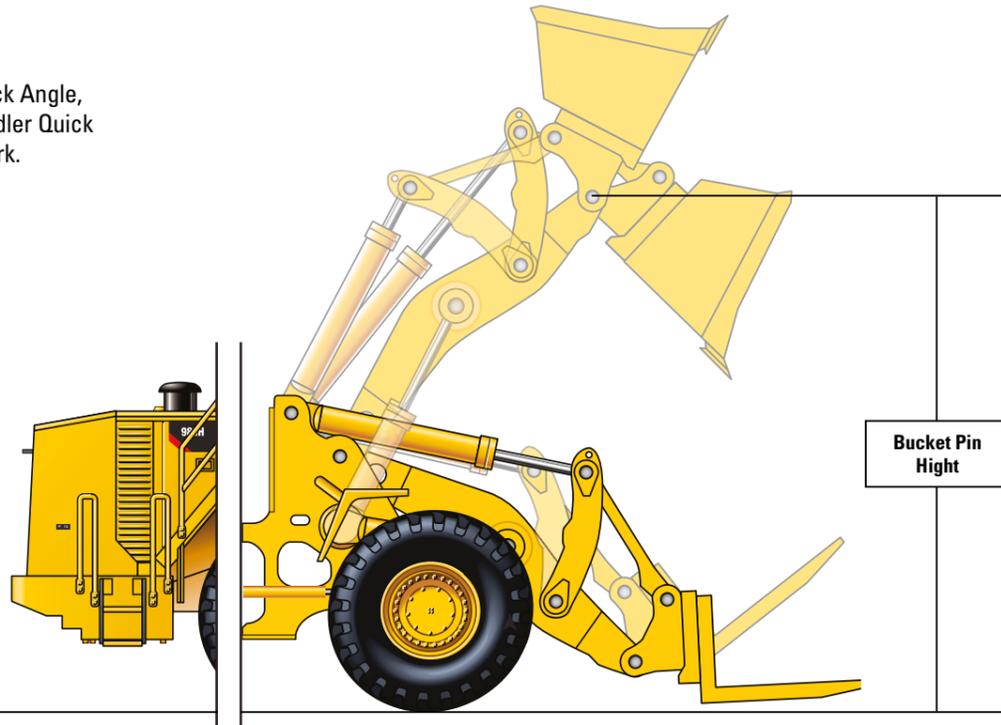
L5 Tires, Fork at 25 degree Rack Angle, 1810 mm (71") Tine, Block Handler Quick Coupler and Block Handler Fork.



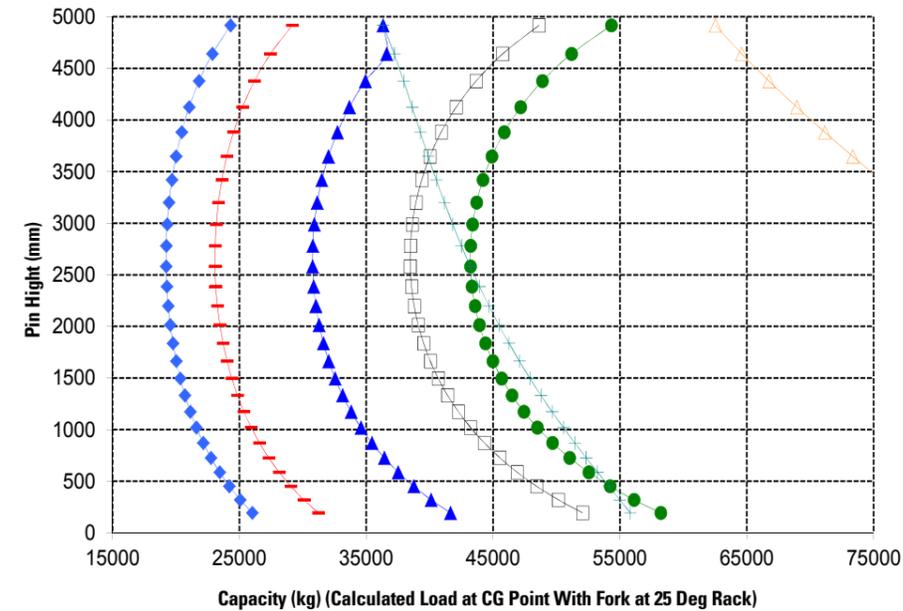
988H

Curves – BH QC with Fork

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Block Handling Fork Performance Curves



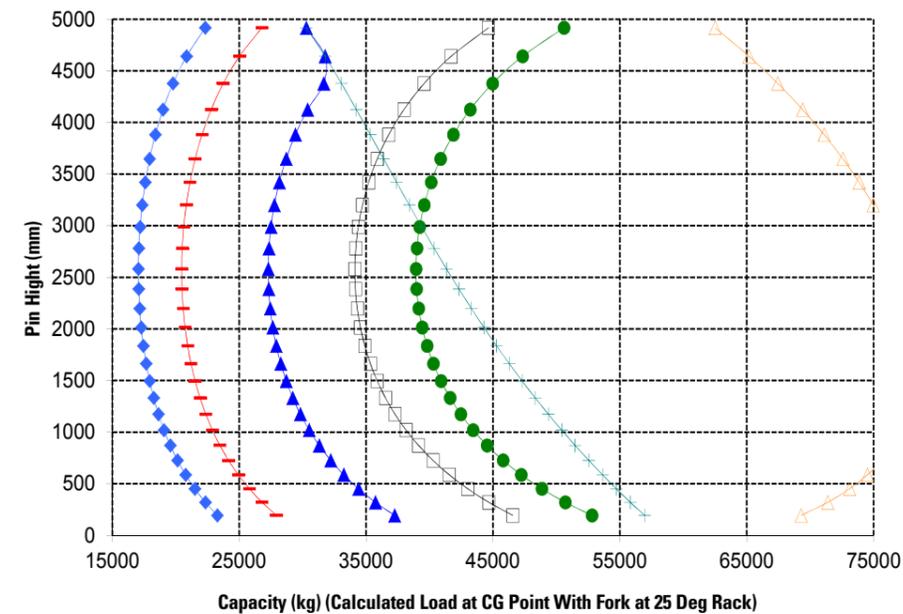
- ◆ Payload (SAE J1197)
- Payload (CEN EN 474-3 - Rough Terrain)
- ▲ Payload (CEN EN 474-3 - Firm & Level)
- ◻ Static Tipping Load - Articulated
- Static Tipping Load - Straight
- + Hydraulic Lift Capacity
- △ Hydraulic Tilt Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L5 Bridgestone Bias Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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Tool Specifications

	980H/K/M	986	988
Quick Coupler 1			
Width	1675 mm	1715 mm	2000 mm
Height	800 mm	838 mm	1030 mm
Weight	1190 kg	1252 kg	Only for use with 988 G / H 1638 kg
			2000 mm
			858 mm
			Only for use with 988 K 1604 kg
		Can pick up 988 tools however : it is not recommended	
Quick Coupler 2			
	K/M Series		
Width	1442 mm		
Height	841 mm		
Weight	1004 kg		
Wedges	2x		
Breaker Tine			
Tine width	250 mm	On request	300mm
Thicknes	200 mm		250mm
Length	1100 mm		1200mm
Capacity	100 Tons at 500 mm		70 Tons at 900mm
REQUIRES	Coupler Block Handling 980		Coupler Block Handling 988
Fork 1			
Tine Width	305mm,	300 mm	400 mm
Tine Thickness	105 mm	145 mm	150 mm
Width over the tines	1415mm	1400 mm	1611 mm
Tine Length	1505 mm	1745 mm	1960 mm
Capacity	30 Tons at 750 mm	53 Ton at 600 mm	78 tons at 600 mm, 52 tons at 900 mm
Weight	1786 kg	2626 kg	3897 kg
Requires	Coupler Block Handling	Coupler Block Handling 986	Coupler Block Handling 988
Fork 2			
	K/M Series		
Tine Width	300 mm	N.A.	N.A.
Tine Thickness	115 mm		
Width over the tines	1485 mm		
Tine Length	1871 mm		
Capacity	33 Tons at 600 mm		
Weight	1786 kg		
Requires	445-2520 Quick Coupler		
Clearing Rake			
Length	6000MM	On request	8000mm
Weight	3393 kg		5000 kg
Requires	Coupler Block Handling 980		Coupler Block Handling 988
Rock Bucket 1			
Capacity	5.1 CUM	5.35 CUM	6.9 CUM
Weight	4200 kg	4415 kg	5962 kg
Width	3645 mm	3812 mm	4020 mm
		8x K110 Teeth tips not included	8 long adapter, K130 Tips not included
Requires	Coupler Block Handling 980	Coupler Block Handler 986	Coupler Block Handling 988
Rock Bucket 2			
	K/M Series		
Capacity	4.4 CUM	N.A.	N.A.
Weight	3338 kg		
Width	3492 mm		
Requires	445-2520 Quick Coupler		
Marble Bucket			
Capacity	4.8 CUM	On request	6.6 CUM
Weight	3800 kg		5816 kg
	with a spade-shape edge		with a spade-shape edge
Requires	Coupler Block Handling 980		Coupler Block Handling 988
Block Bucket			
Capacity	6.8 CUM	On request	9.0 CUM
Weight	4500 kg		6000 kg
	with a V-shape edge for optimal block handling 90 degrees bucket opening		with a V-shape edge for optimal block handling 90 degrees bucket opening
Requires	Coupler Block Handling 980		Coupler Block Handling 988

Block Handling Application overview

	Prying loose blocks	Transporting blocks	Push and pull loose slabs from wall	Loading rock and overburden	Loading and tilting Marble blocks	Loading very large blocks
Breaket tine						
Fork						
Rake						
Rock Bucket						
Marble Bucket						
Block Bucket						



Clearing Rake

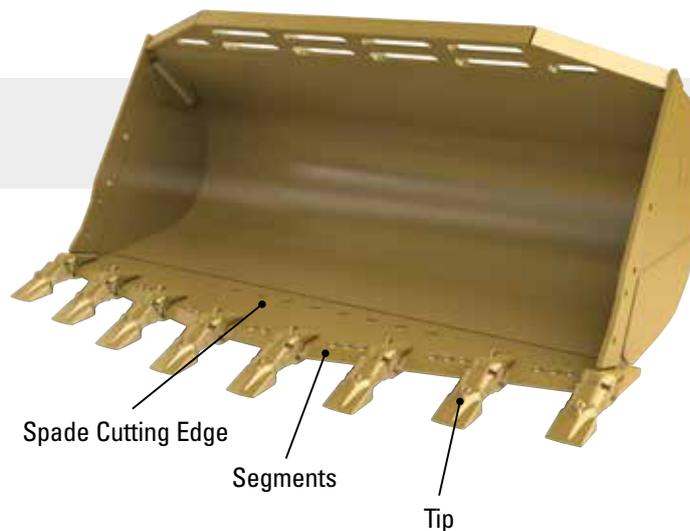


Fork

Block Handling Bucket Ground Engaging Tools and wear parts

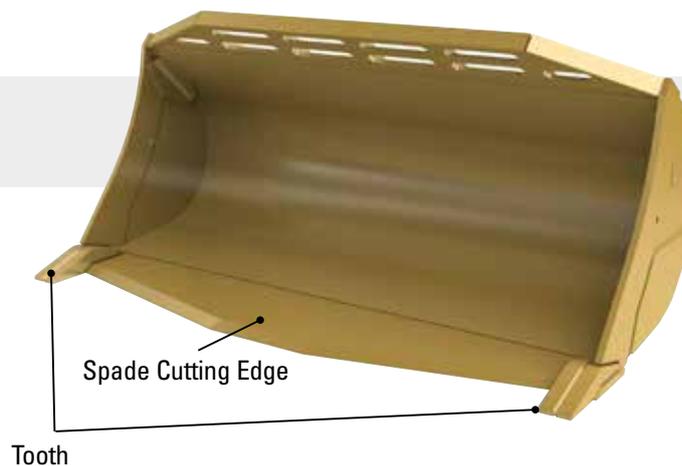
Rock bucket

980	986H	988
1x Edge segment	8x Tooth K110	8x K130 tips and 1x segment group
3x Edge Segment RH	1x Cutting edge Spade	
3x Edge Segment LH		
8x Tip Long J450/J460		
2x Edge Cutting		



Marble bucket

980	988
1x Tooth RH	2x Plate teeth RH
1x Tooth LH	2x Plate teeth LH
1x Edge Cutting	1x Edge Cutting



Block bucket

980	988
1x Edge Cutting	1x Edge Cutting

