



# Cat<sup>®</sup> Bolt-together Buckets

*for Underground Mining Loaders*

*Designed specifically to reduce time and costs associated with transportation, assembly and rework procedures for underground mining, the Cat<sup>®</sup> bolt-together bucket is the solution to lower repair costs, reduced machine down time and higher machine productivity.*

## Operational Safety

- The Cat bolt-together bucket has the same strength and toughness you would expect of any Cat standard bucket, but requires no skilled maintenance operators for underground welding, resulting in lowered safety risks and quicker repair times.
- Multiple components allow for ease of the bucket transportation and assembly.
- Less frequency of bucket replacement, due to the higher wearing consumables e.g., edges, shrouds easier to replace as they simply bolt on.

## Optimized bucket design and strong bucket materials for higher durability and reduced service intervals.

- Bucket materials, design and fabrication are specially made for the demanding underground environment and abrasive materials to be moved.
  - Improved thicknesses on the bucket design provides improved strength and an increase in rigidity to the bucket assembly, aiding edge installation and removal.
  - Higher grade material (400BHN) is used for the bucket assembly components.
  - Higher grade wear protection Ground Engaging Tools (GET) on the removable shroud assembly.
- This bucket allows for more edge replacement cycles before the bucket assembly for major repairs. Improved wear life leads to improvement in cost saving and productivity.
- Bucket design also takes bucket weight into consideration, targeting a stronger bucket and balanced weight for overall machine performance improvements.
- Cat GET also offer great competitive advantages.

## Modularity Benefits





- Buckets are modular design and can be assembled quicker.
- Multiple Cat GET and attachments available with this bucket: Three Edge Options (Bolt-on Half Arrow [BOHA], Modular Weld-on [MWO], Durilock [Three Segment Options]), shroud segments, rock guard, resulting in reduced downtime and accelerated repair.
- Caterpillar offers the bucket and a full suite of GET options. Caterpillar and our Cat dealers offer one stop shop which means less accounts.
- All these GET and attachments are modular design – easy and quick to install and remove.

## Caterpillar Designed Bucket to suit Cat LHD

- Cat branded buckets are built in the same factory as our machines and go through the same strict quality controls.
- Best suit Cat machine balance, support better machine performance – penetrating, loading, support high breakout force.
- Multiple offerings to suit your unique mining application. The Cat bolt-together buckets are currently available for the Cat R1600H, R1700G, R1700 and R1700 XE loaders.
- The Cat bucket is supported by Cat Global dealer network.

# Cat® Bolt-together Buckets

## Bolt Together Bucket Specifications

Cat Loader Model	R1600H (R1600G*)		R1700G				R1700				R1700 XE		
	m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	m <sup>3</sup>	yd <sup>3</sup>	
<b>Bolt Together Bucket Capacity</b> *Non-current model	5.3	6.9	5.3	6.9	6.5	8.5	6.8	8.9	7.5	9.8	6.8	8.9	
<b>Bucket Group (Not Including Edge/GET Option)</b>													
	<b>Bucket Group Part number</b>	598-8733	590-0344	542-2260	561-1775	581-6671	561-1775						
	Bucket Assembly part number	598-8689	587-4904	481-4659	550-6735	564-7229	550-6735						
	Spill Guard part number	590-6310	587-6310	472-3416	561-1751	561-1751	561-1751						
	Wear protection shroud part number	587-4919/20	587-4919/20	481-4660/62	551-2551/52	566-5864/58	551-2551/52						
<b>Dimensions with various Base Edge Options</b>													
<b>Modular Weld-On GET</b>													
		<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>
	<b>Width</b>	3095	121.9	3095	121.9	3095	121.9	3096	121.9	3418	134.6	3096	121.9
	<b>Height</b>	1826	71.9	1826	71.9	1885	74.2	1969	77.5	1963	77.3	1969	77.5
	<b>Depth (Including GET segments)</b>	2347	92.4	2347	92.4	2598	102.3	2673	105.2	2638	103.9	2673	105.2
	Edge Group – Cutting part number	604-0194		604-0194		604-0194		604-0194		604-1345		604-0194	
<b>BOHA Segment</b>													
		<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>
	<b>Width</b>	3095	121.9	3095	121.9	3095	121.9	3096	121.9	3418	134.6	3096	121.9
	<b>Height</b>	1808	71.2	1808	71.2	1865	73.4	1942	76.5	1946	76.6	1942	76.5
	<b>Depth (Including GET segments)</b>	2308	90.9	2308	90.9	2560	100.8	2630	103.5	2564	100.9	2630	103.5
	Edge Group – Cutting part number	604-1316		604-1316		604-1316		604-1316		604-1331		604-1316	
	Edge Group – Segments part number	477-5573		586-5117		586-5117		586-5117		586-5118		586-5117	
<b>Durilock Shrouds</b>													
		<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>
	<b>Width</b>	—	—	3095	121.9	3095	121.9	3096	121.9	3418	134.6	3096	121.9
	<b>Height</b>	—	—	1795	70.7	1855	73.0	1938	76.3	1932	76.1	1938	76.3
	<b>Depth (Including GET segments)</b>	—	—	2347	92.4	2598	102.3	2668	105.0	2600	102.4	2668	105.0
	Edge Group – Cutting part number	—	—	604-0167		604-0167		604-0167		604-1966		604-0167	
	Protector Group (D50S) part number	—	—	507-8116		507-8116		507-8116		508-7838		507-8116	
	Protector Group (D50A) part number	—	—	583-3030		583-3030		583-3030		583-3034		583-3030	
	Protector Group (D50P) part number	—	—	583-3042		583-3042		583-3042		583-3046		583-3042	

**NOTE:** For more information about Cat Ground Engaging Tools for Underground Loaders, please refer to:  
 Cat® Mining Ground Engaging Tools Product Catalog – PEBJ0030  
 Cat® Mining Ground Engaging Tools Parts Catalog – PEBJ0031

**NOTE:** All Dimensions are for Shipping Purposes.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

AEXQ3466-00 (08-2022)  
(Global)

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