



**EMPIRE  
BUCKET, INC.**

BUILDERS OF THE ORIGINAL EMPIRE BUCKET

1360 Livingstone Road • Hudson, Wisconsin 54016  
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# HYDRAULIC & STATIONARY THUMBS

**SPECIFICALLY  
DESIGNED  
TO MATCH YOUR  
BUCKET TIP RADIUS  
AND TOOTH  
SPACING TO  
ACCOMMODATE  
EXACT PICKING AND  
SORTING NEEDS  
FOR ANY JOB.**



All T1 and HX400 construction.  
Replaceable, bronze bushing for extended wear life.  
Hinge pin rotates with bucket to eliminate wear to bucket bores.  
Each thumb is specifically designed for the bucket.  
Thumbs are designed for convenient stow position in mounting bracket.

Empire Bucket will custom design our thumb to match your specific need!  
 Special picking or sorting needs? Empire will design a thumb to match your bucket width,  
 tip radius and tooth spacing!

Empire's Hydraulic Thumbs will give you a strong, positive grip on your load  
 and will quickly stow when needed - out of your work zone.

Our custom design provides you with the largest possible working range!

Empire's Mechanical Link Thumbs are a low-cost option for an excavator  
 that doesn't have stick hydraulics, or for occasional use.

### Specifications for Typical Empire Thumbs

Excavator Weight Class	Hydraulic Thumbs				Mechanical Link Thumbs			
	2 Tine Standard Width		Wide Thumbs -3 or 4 Tine		2 Tine Standard		Wide Thumbs -3 or 4	
	Std Mount	w/Coupler	Std Mount	w/Coupler	Std Mount	w/Coupler	Std Mount	w/Coupler
14,000 - 21,000#	Typical Weight: 500# Hydraulic Cylinder Size: 4" x 24"				400#	420#	450#	
21,001 - 28,000#	Typical Weight: 600# Hydraulic Cylinder Size: 4.5" x 30"				575#	600#	750#	
28,001 - 36,000#	Typical Weight: 800# Hydraulic Cylinder Size: 4.5" x 30"				650#	700#	900#	
36,001 - 48,000#	Typical Weight: 1000# Hydraulic Cylinder Size: 5" x 36"				900#	950#	1150#	
48,001 - 60,000#	Typical Weight: 1250# Hydraulic Cylinder Size: 5" x 36"				1100#	1150#	1400#	
60,001 - 75,000#	Typical Weight: 1500# Hydraulic Cylinder Size: 6" x 42"				1250#	1350#	1600#	
75,001 - 90,000#	Typical Weight: 2000# Hydraulic Cylinder Size: 6" x 42"				1800#	2000#	2000#	
90,001 - 125,000#	Typical Weight: 3000# Hydraulic Cylinder Size: 6" x 48"				2650#	2900#	3000#	

Empire Thumbs are made using high grade composite materials T-1 and Hardox  
 and typically include greasable, replaceable bronze bushings for long wear life.  
 Hinge pin rotates with the bucket, reducing wear to bucket bores.

### Mounting Information

Empire Thumbs are supplied with mounting pins, mechanical link or hydraulic cylinder,  
 and a mounting pad that must be welded to the excavator stick.

Hydraulic thumbs require a control valve and hydraulic lines that include a relief valve in the thumb circuit.

