



H&L Mesabi proudly serves Minnesota, Wisconsin & Upper Michigan as the premier custom wear specialist in construction, governmental and mining applications

## H&L Mesabi Bucket Teeth Guide



H&L Mesabi provides a variety of bucket teeth and adapters, lip and wing shrouds, as well as lip assembly packages.

**Tooth Type**  
**Tooth Size**  
**Tooth Profile**

**HLMESABI.COM**

## Step 1: Identify Tooth Type

Determining tooth type is best accomplished by identifying its fastening system.



**ESCO**  
SUPER-V®



**ESCO**  
HELILOK®



**ESCO**  
CONICAL®



**HENSLEY**  
PARABOLIC®



**UNIFORGE**















**ESCO**  
MaxDRP®

**CAT**  
J-Series®

## Step 2: Identify Tooth Size

Deciphering tooth and adapter size depends on the type and size of the machine.

Excavators (mt) Loaders (yd)	<7 <2	7-10 2	10-15 3	15-20 4	20-25 5	25-30 6	35-40 7	40-50 8	50-60 9	
<b>ULTRALOK®</b>		U20	U25	U30	U35	U40	U45	U55	U60	
<b>SUPER-V®</b>	V17/18	V19	V23	V29	V33	V39	V43	V51	V59	
<b>HELILOK®</b>	17	19	21	27		37	47	57		
<b>CONICAL®</b>	18	25	30	35	40	45	50	55	65	
<b>MaxDRP®</b>	200		250	300	350	400	450	550	600	
<b>UNIFORGED®</b>	230	240	252	272	31		32	33		
<b>XS®</b>	XS5	XS10	XS15	XS20	XS25	XS30	XS40	XS50	XS70	
<b>PARABOLIC®</b>	X156	X160 X162	X220 X225	X290 X310	X330	X370 X400	X410	X450 X475	X500	
<b>DURA® Para Style</b>	DX156		DX220	DX290	DX330	DX370 DX400	DX410	DX450	DX500	
<b>DURA® H&amp;L Style</b>	D23	D24	D25	D27						
<b>DURA® Cat Style</b>	D200	D220	D250	D300	D350	D400	D450	D550	D600	
<b>J Series®</b>	J200	J225	J250	J300	J350	J400	J460	J550	J600	
<b>Excavators (mt) Loaders (yd)</b>	<7 <2	7-10 2	10-15 3	15-20 4	20-25 5	25-30 6	35-40 7	40-50 8	50-60 9	

# Step 3: Identify Tooth Profile

Choosing a tooth or adapter profile depends on the application.



## Hydraulic Excavators and Face Shovels

**S** – The S is a standard point, an excellent choice for excavators and wheel loaders in general purpose applications. Designed to wear sharp for penetration, and features a center rib for greater strength.



**C** – The C is a chisel point primarily for use on excavators. The design provides good penetration and extra wear metal in tough applications. The heavy-duty rib and unique tear-drop relief in the bottom keeps the point sharp throughout its wear life.



**P** – The P is a pick point for extremely hard to penetrate materials, and is primarily designed for excavators but can be used on wheel loaders. Top and bottom ribs provide strength and ensures the point stays sharp.



**T** – The T is a twin pick point for maximum performance in hard to penetrate materials. The unique configuration minimizes the chance of rocks wedging between the tines; and is designed for use in the corner positions in conjunction with P style points to cut clearance for the buckets sides. The corner teeth can be switched to maximize wear life.



**F** – The F is a flared point for general purpose digging and continuous edge applications – an excellent choice for trench bottoms and foundation excavations. The wide blade maximizes bucket capacity.



**H** – The H is a heavy point for extremely abrasive applications and is primarily designed for excavators. Additional wear metal provides long point life. The heavy-duty rib and unique tear-drop relief in the bottom help to maintain sharpness as the point wears.

## Wheel Loaders



**AP** – The AP is a heavy-duty penetration point for wheel loaders with added wear metal for highly abrasive applications. The beveled tip design ensures sharpness, and the top center rib helps maintain the sharpness. An integral bottom wear shoe provides long life.



**A** – The A point is designed for optimum wear on wheel loaders working in extreme abrasion applications. The beveled tip and top contoured panel ensures excellent bucket loading. The full length bottom wear shoe provides maximum wear life and ensures a smooth floor to minimize the chance of tire damage.



## ADAPTERS

Excavator

Loader



Top Mount



Flush Mount



Bolt-on



Corner Mount