

XS™
**EXTREME
SERVICE**

**G.E.T.
SYSTEMS**





HENSLEY EXTREME SERVICE

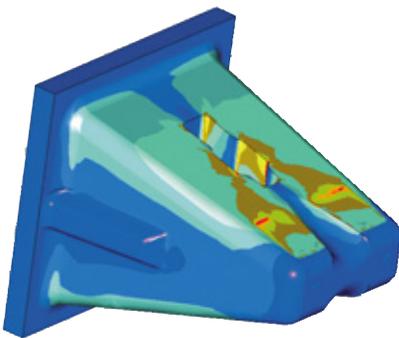
EXTREME STRENGTH

EXTREME DURABILITY

EXTREME PERFORMANCE

EXTREME PRODUCTIVITY

EXTREME STRENGTH



Hensley 330 Parabolic® Nose



Hensley XS25 Nose

22% STRONGER

The FEA analysis shown to the left confirms that the XS25 is 22% stronger than the X330 that has been used nationwide for over fifteen years.

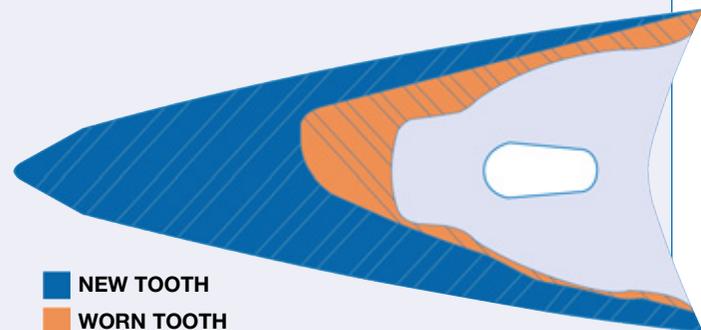
“The greater the nose strength, the longer lasting the system.” The XS System is stronger, with a smooth shape and rounded design that reduces areas of stress concentration under load. Stronger is better and the Hensley XS System is 22% stronger.

BETTER SHAPE, HIGHER CONSUMPTION RATIO — 60% CONSUMABLE STEEL

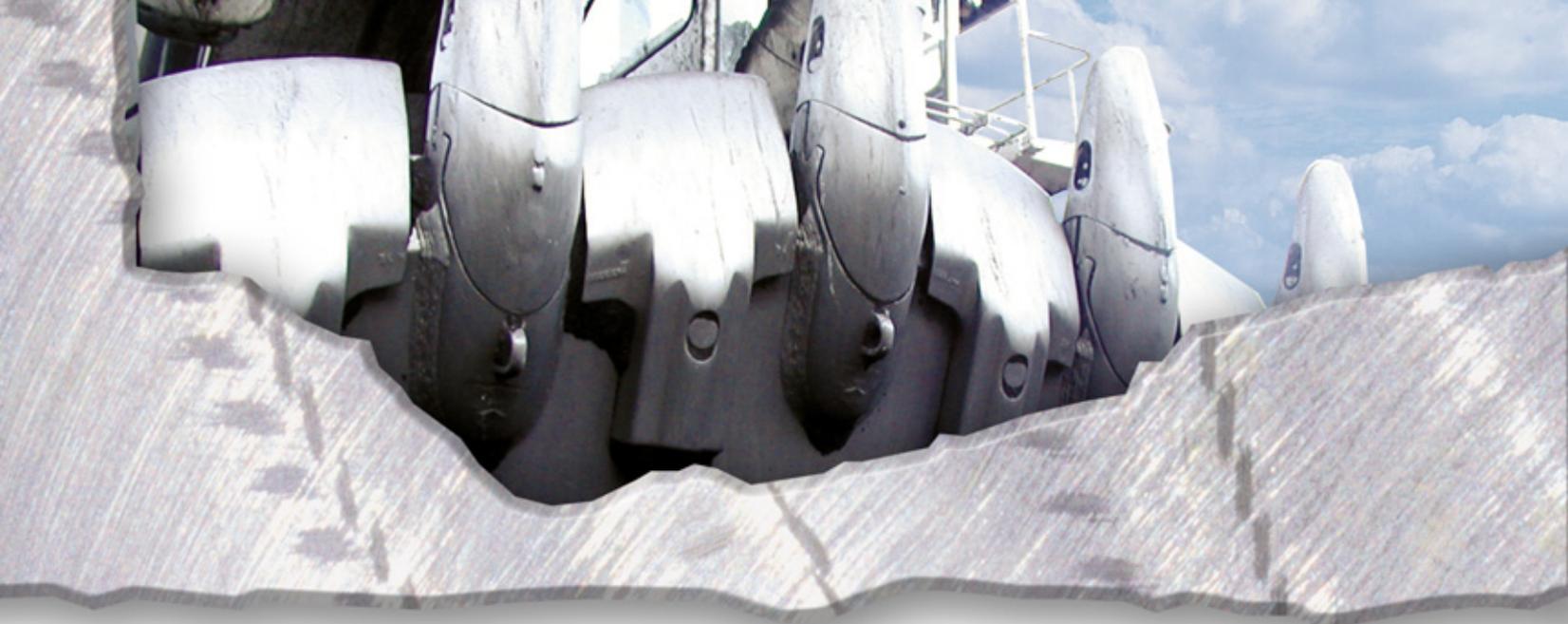
The best tooth design maximizes strength without adding unnecessary bulk. This results in more of the tooth being utilized and minimizes the material that is thrown away when the tooth is completely consumed. The Tooth Consumption Ratio indicates the percentage of available wear material of the whole tooth. The greater the ratio (percentage), the better the value. Hensley has designed the shape of the XS System teeth to maximize consumption ratios and product performance.

HENSLEY XS PROVIDES STRENGTH AND PERFORMANCE

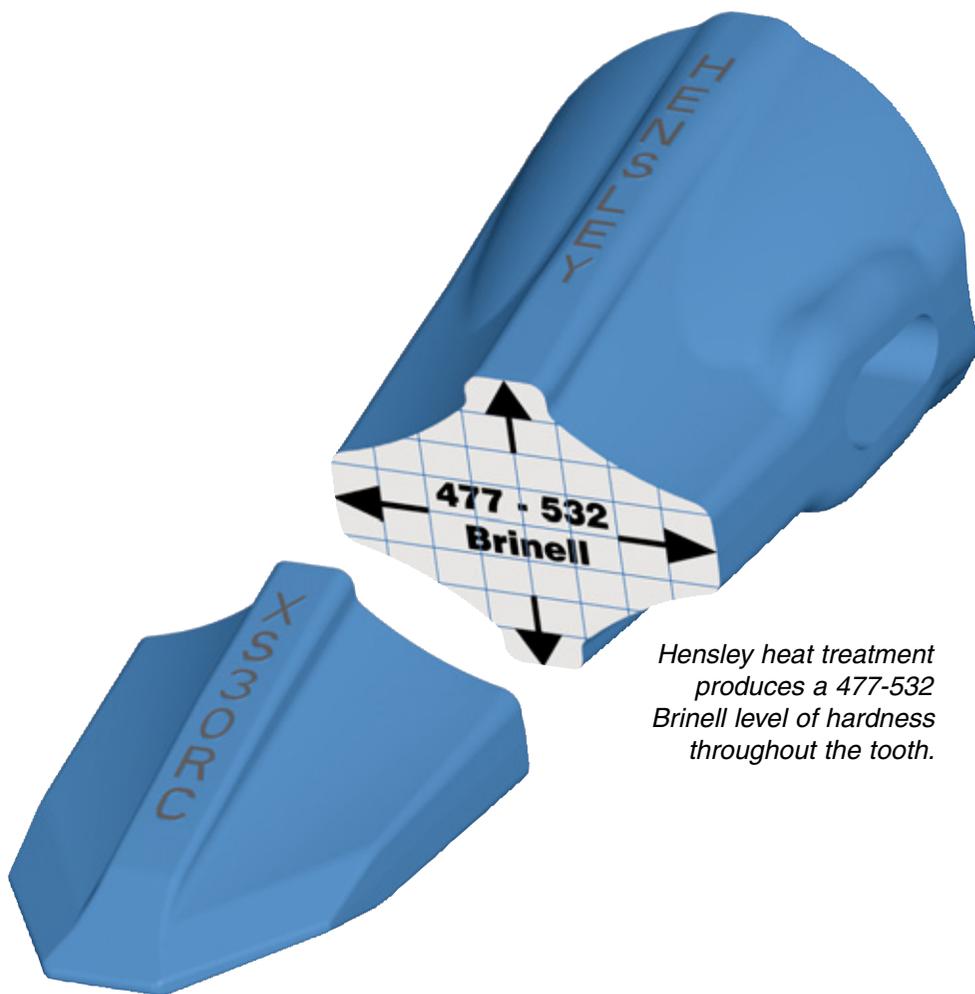
A 25 lb. tooth with a 40% consumption ratio would result in 15 lbs. of material being scrapped when the tooth is worn out. A 25 lb. tooth with a 60% consumption ratio, would only scrap 10 lbs. of material. Naturally, you want the tooth to remain sharp and penetrating as long as possible. The Hensley XS systems give you both strength and longer lasting performance.



The XS RC style tooth shown here offers a consumption ratio of 60%.



EXTREME DURABILITY



Hensley heat treatment produces a 477-532 Brinell level of hardness throughout the tooth.

HARDNESS RIGHT TO THE CORE

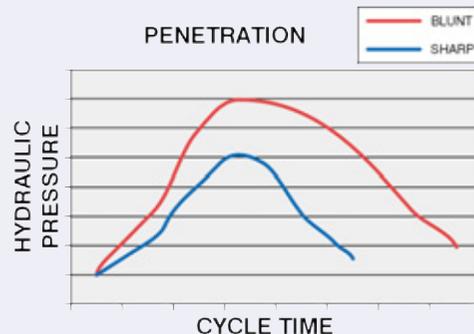
While other companies have teeth that are hard on the exterior, their interiors are often soft from inferior heat treatment. All Hensley XS

System teeth are heat treated to assure they meet critical specifications, not only on the surface but also right to the core.



BETTER PENETRATION REDUCES CYCLE TIMES

The XS System's streamlined design and self-sharpening teeth create better penetration. This reduces cycle times, requires less hydraulic pressure, improves fuel consumption and overall production.





EXTREME
STRENGTH

EXTREME
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EXTREME
PRODUCTIVITY

EXTREME PERFORMANCE

A SYSTEM SO GOOD IT'S PATENTED

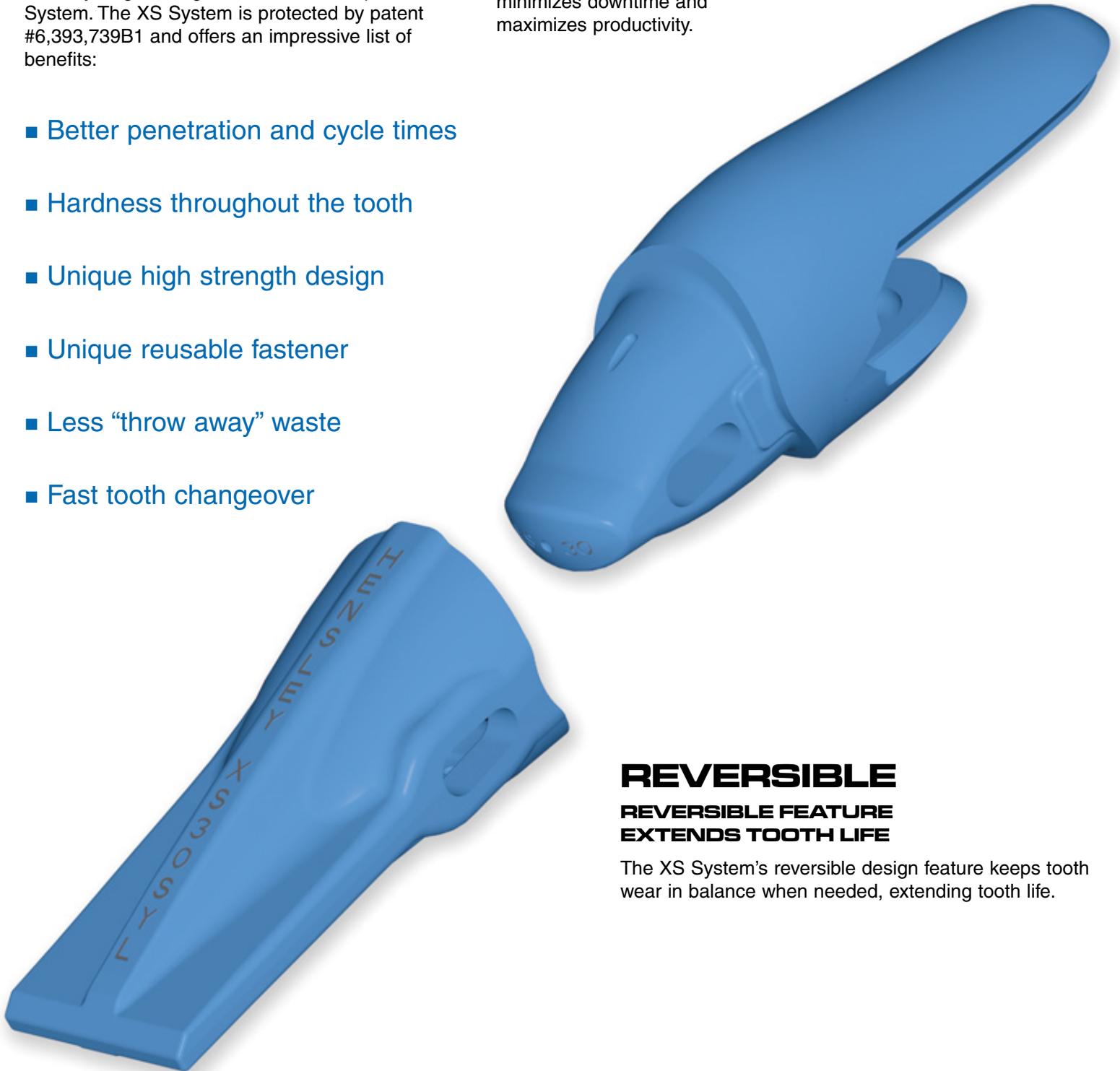
Years of research and testing have produced one of the most productive, cost effective and worry free systems available.

Hensley Engineering has created a unique G.E.T. System. The XS System is protected by patent #6,393,739B1 and offers an impressive list of benefits:

- Better penetration and cycle times
- Hardness throughout the tooth
- Unique high strength design
- Unique reusable fastener
- Less “throw away” waste
- Fast tooth changeover

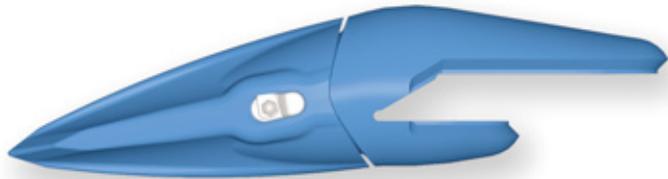
DESIGNED FOR VIRTUALLY EVERY APPLICATION

The XS System can handle applications from loose dirt to crushed concrete to the highest abrasive materials. Hensley's high quality steel and unique XS System design minimizes downtime and maximizes productivity.



REVERSIBLE REVERSIBLE FEATURE EXTENDS TOOTH LIFE

The XS System's reversible design feature keeps tooth wear in balance when needed, extending tooth life.



INNOVATIVE

**STATE-OF-THE-ART DESIGN PROVIDES
MAXIMUM PENETRATION**

Hensley's computer designed shape flows materials smoothly over the tooth, providing maximum penetration and longer system life.



REUSABLE

**SAVE TIME AND MONEY WITH
OUR REUSABLE FASTENER**

A fastener system that unlocks with only a 90-degree turn. Simple, functional and reusable!



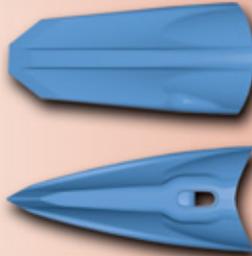
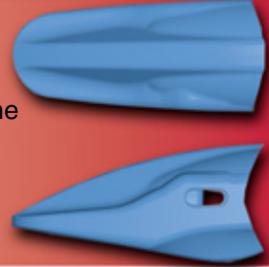


TOOTH APPLICATIONS

HEAVY DUTY HIGH ABRASION

RP2/RP3

The Rock Penetrator is a loader tooth for heavy-duty penetration. It has a non-centerline profile with a heavy flat bottom for abrasive conditions. The center rib provides strength and promotes sharpness.

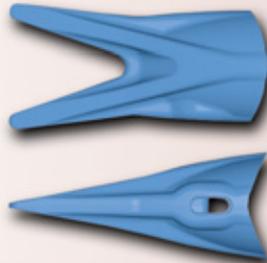
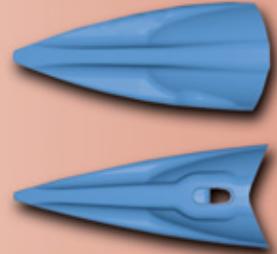


RC

The Rock Chisel is an excavator tooth, with a heavy-duty shape and additional wear material for abrasive, tough-digging conditions. Its profile wears sharp for long lasting penetration.

T

The Tiger is an excavator tooth shaped to provide maximum penetration. The ribs provide strength for tough digging conditions.

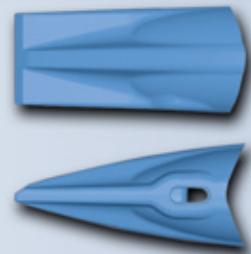


WT

The Twin Tiger is an excavator tooth, that provides maximum penetration and is used on corner adapters to cut bucket clearance.

SYL

This excavator tooth has a general purpose shape with ribs for support. Its profile wears sharp for long lasting penetration.



F

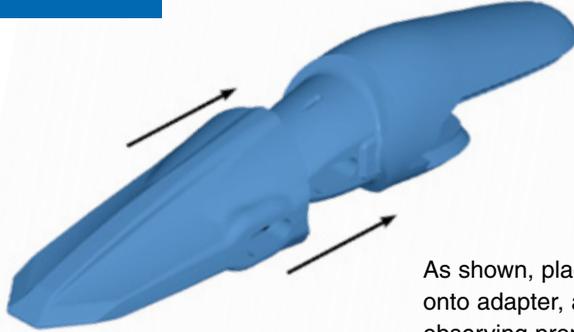
The Flare is an excavator tooth with a wide profile for general purpose cleanup and trench bottoms that include panels to provide strength for excavation.

LIGHT DUTY GENERAL PURPOSE



ADAPTER APPLICATIONS

STEP 1



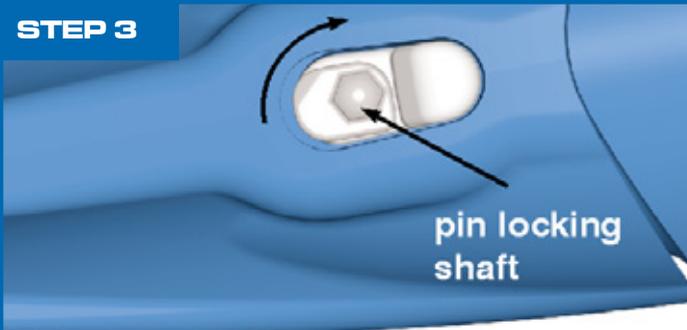
As shown, place tooth onto adapter, always observing proper safety procedures.

STEP 2



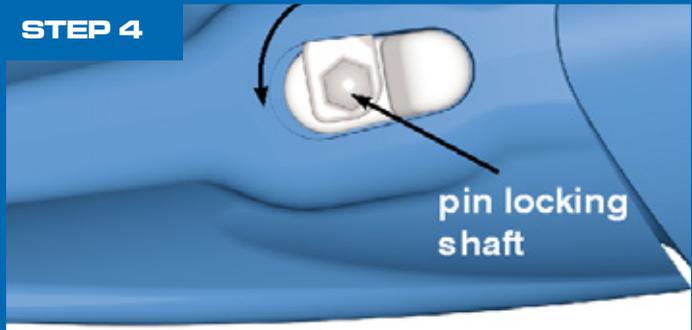
As shown above, insert fastener, making sure it is in the unlocked position.

STEP 3



Using the correct size socket, rotate the pin locking shaft 90° clockwise (as shown above) to finish the installation.

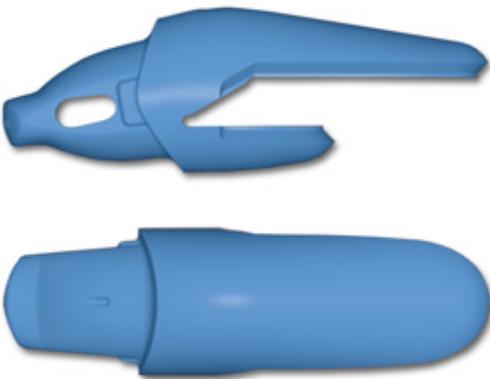
STEP 4



When removing the fastener, use the correct size socket to rotate the pin-locking shaft 90° counter-clockwise, as shown above. Repeat steps 1-3 for a new installation.

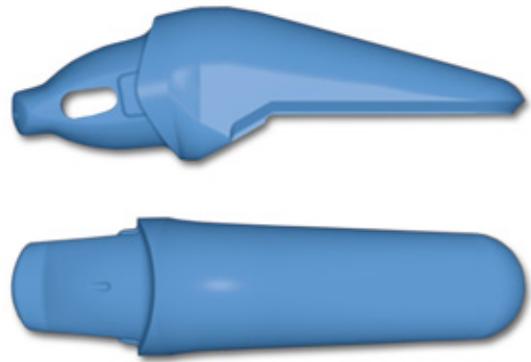
EASY INSTALLATION QUICK CHANGE-OUT

Easy and quick installation or replacement with minimal hammering is a great advantage of the XS System. It just takes minutes to change teeth. Simply unlock the fastener with a socket, put on a new tooth and you're ready to go back to work.



LEG AND A HALF ADAPTER

Available for straight or spade lips – general / heavy-duty excavator adapter and heavy duty loader adapter.



FLUSH MOUNT ADAPTER

Loader adapter for general purposes.



SERIES RECOMMENDATIONS

EXTREME PRODUCTIVITY

THE RIGHT SERIES FOR EXCAVATORS AND LOADERS

It is very important to be realistic when selecting the appropriate series for your use. Product failure is likely to result if you select a series that is too small for your machine or application. Always use the Extreme Service recommended series when your machine is designed for severe applications.

STANDARD / HEAVY DUTY

Select Standard/Heavy Duty when the load is very light to moderate with only limited "high load" use. Materials should be light and loose, well shot, fracturable to medium or even heavy shot materials that break into manageable sizes when excavated. Large slabs of rock require Extreme Service recommendations.

EXTREME SERVICE

Select Extreme Service when the load on the machine is high and you are nearing the maximum capabilities of your machine. Materials such as heavy unshot rock or slabs that require the full force of the machine to break out require Extreme Service recommendations.

These recommendations are based on operating weight (for excavators) or breakout force (for loaders). Your selection should always be based on the majority of the work to be done by the machine. Anytime the percentage of work done approaches 50% select the more severe application.

EXCAVATORS		XS SERIES RECOMMENDATION BASED ON OPERATING WEIGHT (LBS.)*		
SERIES	STANDARD / HEAVY DUTY		EXTREME SERVICE	
	START	END	START	END
04	0	9,700	0	7,275
05	9,700	15,700	7,275	11,775
10	15,700	22,000	11,775	16,500
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
115	262,600	413,700	196,950	310,275
145	413,700	595,200	310,275	446,400
250	595,200	775,000	446,400	581,250
340	775,000	980,000	581,250	800,000

LOADERS		XS SERIES RECOMMENDATION BASED ON BREAK OUT FORCE (LBS.)*		
SERIES	STANDARD / HEAVY DUTY		EXTREME SERVICE	
	START	END	START	END
04	0	8,800	0	7,040
05	8,800	19,000	7,040	15,200
10	19,000	25,300	15,200	20,240
15	25,300	36,800	20,240	29,440
20	36,800	55,000	29,440	44,000
25	55,000	71,700	44,000	57,360
30	71,700	87,800	57,360	70,240
40	87,800	108,300	70,240	86,640
50	108,300	130,000	86,640	104,000
70	130,000	157,800	104,000	126,240
85	157,800	199,000	126,240	159,200
115	199,000	247,000	159,200	197,600
145	247,000	295,000	-	-



HENSLEY INDUSTRIES, INC.

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CUSTOMER SERVICE

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All other locations – (972) 406-6262

www.hensleyind.com



Safety First: Hensley Industries recommends that you use a soft-faced hammer and ANSI (Z87.1) approved eye protection when using our products.

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