

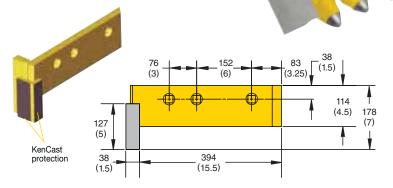
End Protectors

Dimensions below are shown in millimeters and (inches).

The heavy-duty design and tough steel supports of our end protectors resist breakage and bending in any road application. Our end protectors feature KenCast™ composite material that combines the wear resistance of Kennametal's exclusive tungsten

Kennametal recommends the use of our carbide end protectors for scarifier blades. carbide with the ductility of air-hardening steel.

For Severe-Duty Blades



■ End Protectors • Ordering Information

order number	r number catalog number bolt design		description	bolt dia mm	ameter in	approximate kg	unit weight lbs
for severe-duty blades:							
1821674	KCWB-0442	3-bolt design for severe-duty systems	right-hand end protector	19	.75	11	25
1821679	KCWB-0443	3-bolt design for severe-duty systems	left-hand end protector	19	.75	11	25





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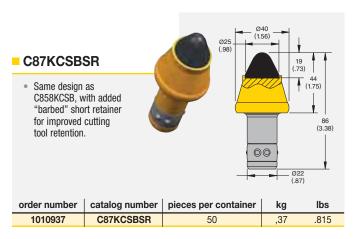


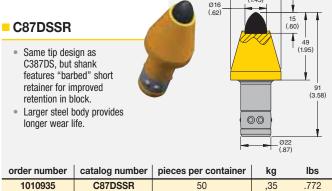
Dimensions below are shown in millimeters and (inches).

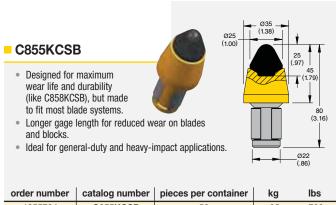
C87WFRKCSB Superior wear and rotation. Washer keeps out debris and improves rotation for longer bit life and less block wear. New full-sleeve retainer protects the inside of the bore to prevent uneven wear. Washer precompresses the retainer which makes it easier to install. Retainer grips tighter to prevent bit loss.

 Retainer grips tighter to prevent bit loss. 					
order number	catalog number	pieces per container	kg	lbs	
2041786	C87WFRKCSB	50	,38	.841	



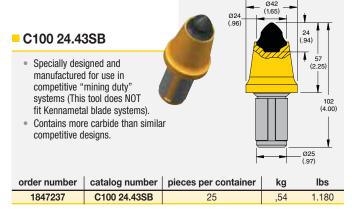


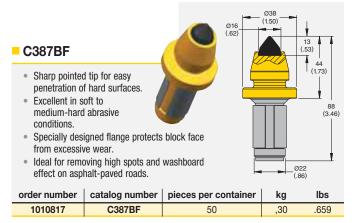




1855704	C855KCSB	50		,35	.780
■ C855LR			Ø16 (.62)	Ø35 (1.38)	17 A A
Sharp carbide tip.Fits Kennametal and competitive blade systems.					40 (1.57)

order number	catalog number	pieces per container	kg	lbs
1011001	C855LR	50	,25	.544



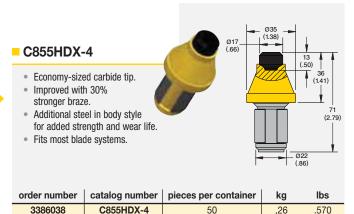


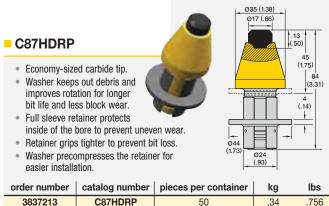
Ø22

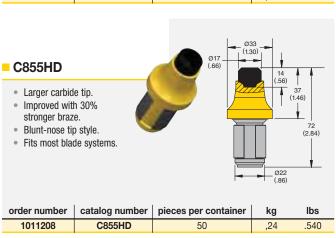
75 (2.95)

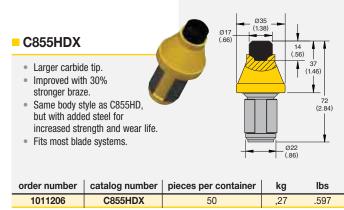


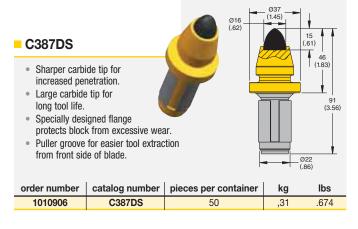
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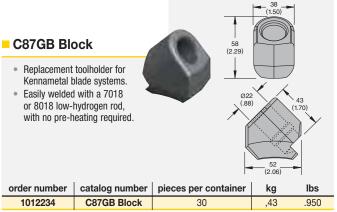












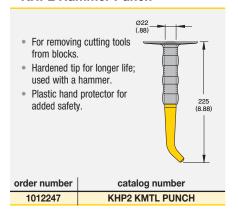


Extraction Tools

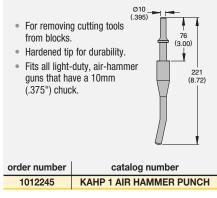
Make cutting tool changes easier and safer.

Dimensions below are shown in millimeters and (inches).

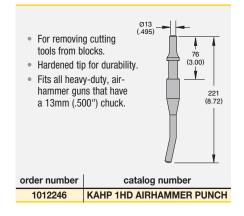
KHP2 Hammer Punch



KAHP1 Air-Hammer Punch



KAHP 1D Air-Hammer Punch



Retainers

LR87

 Replacement retainer for use with C387DS, AR15087, C387BF, KCWB-0448, and C87BF cutting tools.



order number	catalog number		
1011935	LR87 RETAINER		

C87SR

 Replacement retainer for use with C87KCSBSR and C87DSSR cutting tools.



order number	catalog number		
1012363	C87SR RETAINER		

LR858

 Replacement retainer for use with C858KCSB.



order number	catalog number		
1012089	LR858 RETAINER		

C100SB

 Replacement retainer for use with C100 24.43SB cutting tools.



order number	catalog number		
1851733	C100SB RETAINER		

RPR07 Retainer

 Replacement retainer for C87WFRKCSB.



order number	catalog number
1990418	RPR07

LR85

 Replacement retainer for use with C855DS, C855HD, C855HDX, C855LR, C855KCSB, and C855HDX-4 cutting tools.



order number	catalog number	
1012117	LR85 RETAINER	

SR Washer 44MM

 Replacement washer for C87WFRKCSB.



order number catalog number

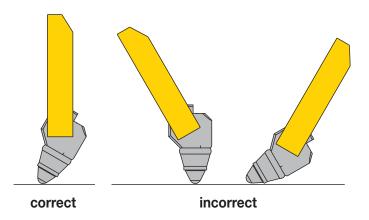
1992068 SR WASHER 44MM



Guidelines for Proper Use of Scarifier Blades

These guidelines are designed to help maximize Kennametal Scarifier Blade performance:

- 1. Kennametal recommends using only Grade 8, No. 3 head plow bolts and matching Grade 8 heavy hex nuts to install our scarifier blades.
- 2. Position and operate blades at a 90° angle to the road surface so cutting tools are at the proper cutting angle (see drawing).
- **3.** Carbide-tipped cutting tools should be used to penetrate a depth no greater than 25mm (1.00").
- Inspect the blade and cutting tools daily. Replace lost, worn, or broken cutting tools immediately.
- Inspect cutting tools daily by turning them with your hand to ensure they are rotating properly. Cutting tools that do not turn can usually be freed by several light taps with a soft-headed hammer. Clean cutting tool and block assemblies with a solvent cleaner when necessary to ensure proper rotation of the cutting tool. Do not use oil for this purpose. Oil will cause dirt to adhere to the cutting tool, preventing proper rotation.
- 6. Do not use these blades to remove large rocks or boulders. These blades are intended for use in scarifying roads to return them to their original aggregate condition. Using Kennametal scarifier blades to remove large rocks or boulders terminates and voids all warranties and obligations from Kennametal as manufacturer and supplier.
- 7. When transporting scarifier blades fitted with long-retainer cutting tools, be sure to roll the moldboard backward so the blade is horizontal and the cutting tools are pointed upward. This will prevent the cutting tools from vibrating out of the blade while in transit. This procedure is not necessary when using short-retainer cutting tools in the blade.
- 8. The travel speed of the grader may affect the performance of the blade. When working in heavy-impact applications, use a lower speed (such as second gear). This will reduce the risk of cutting tool breakage or blade damage.
- "Backdragging" is not recommended. This procedure increases the risk of breakage or loss of cutting tools and puts unnecessary stress on the blade, bolts, and moldboard.
- 10. Use Kennametal carbide end protectors in applications that subject the side of the blade to wear (like ditching). End protectors do not interfere with penetration and protect the ends of the blade from excessive wear.



To replace a worn or broken block:

- 1. Cut out the broken block, if necessary, and clean the recess to remove rust and loose material.
- 2. Align the new block at the appropriate attack angle and tack weld into position.
- **3.** Weld around the upper part of the block first on the front and back side of the blade.
- 4. Use Airco 7018M or equivalent welding material.
- **5.** Use a welding rod (stick) with a maximum 3mm (.125") diameter or a welding wire with a maximum 1mm (.052") diameter.
- 6. Angle the weld gun or rod to run a root pass along the block base where it meets the 13mm (.500") wide steel "tongue" between the blocks. Do not weld back and forth between the blocks. Run one pass on each side of the block in opposite directions to weld it to the blade.

