



GROUP SCHUMACHER

radura®

DURABLE. SELF-SHARPENING. PRECISE.

PrimeLine

Straw Chopper Blades

with wear protection coating

radura®PARTS | EN | 2025

ChoppingTECHNOLOGY

# radura® PrimeLine Straw Chopper Blades

# Longer Service Life

Straw chopper blades experience the highest load at the outer edge of the blade. In this area, the cutting edges are exposed to heavy wear and become rounded. The tungsten carbide coating protects the edge from rounding. Sharpness remains constant over many operating hours.

### Advantages at a glance:

- Outstanding durability
- Consistent edge sharpness
- Excellent chopping quality



### Standard: Straw Chopper Blades

Induction hardened cutting edges

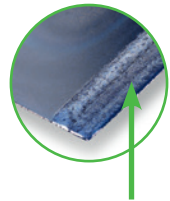


Edges begin to round off due to wear



### radura® PrimeLine Straw Chopper Blades

The **rear side** of the blade is **coated** with embedded tungsten carbide particles.



The coating lasts longer and forms the cutting edge.

### Tungsten Carbide Coating

- ▶ Exceptionally high wear resistance
- ▶ Longer service life of the blade

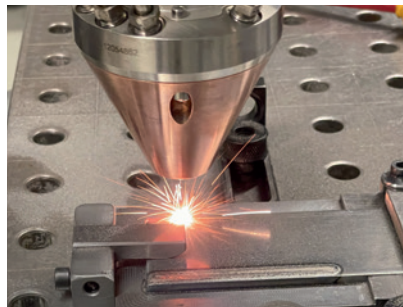
## Laser Cladding

### Wear protection with highest precision

PrimeLine ensures clean cuts in straw choppers. The blade produces a uniform cut length and improves straw distribution. This creates a homogeneous chopping pattern that accelerates decomposition and facilitates subsequent soil cultivation.

#### Technical facts:

- Coating with embedded tungsten carbide particles
- Robust application using laser cladding technology
- The base material retracts faster than the coating, improving the self-sharpening effect
- Depending on operating conditions, blade service life can more than double
- Constantly precise cuts with stable engine performance



## Chopping quality and efficiency in operation



### Fine chopping pattern, strong performance

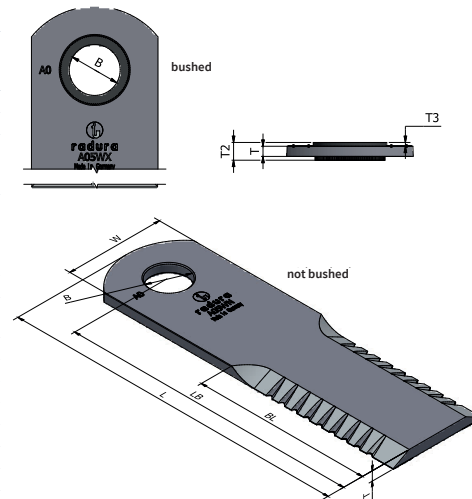
The PrimeLine straw chopper blade series features a special tungsten carbide wear protection coating. This coating is applied using a laser cladding process. The result is a hard, abrasion-resistant surface with a self-sharpening effect.

#### Advantages in use:

- Consistent chopping quality and even distribution
- Long-lasting sharp cutting edge
- Reduced fuel consumption
- Very long service life compared to standard blades – extended change intervals

## PrimeLine Blade Portfolio – Variants and Dimensions

Part no. radura PrimeLine	Serration	Bushed	Total length (L)	Width (W)	Thickness (T)	Depth with socket (T2)	Bushing protrusion (T3)	Bore diameter (B)	Bore spacing (LB)	Wading length (BL)	Suitable for radura BasicLine No.	Suitable for OEM ref. no.
A03L5			173	50	4			20,1	150	90	42255	7557860, 7368720
A03L6	X		173	50	4			20,1	150	90	51582.10	7557860, 75557840
A05XU			173	50	4			18,1	150	90	42246	Z53454, Z48237, 746813, 84037551, 80743557, 743557, 8210750, 06001720/1/2/3/4, 4330253791, 020422463, 0654 6847, D49017800, 28 801 405 003
A05XV	X		173	50	4			18,1	150	90	51513 42232 42250	322326450, D49062900, 2070000500, 28144Z, 28274025, 28274036, 28274041, 16018725, 16018724, 89833966, 815911, 9510635, 84065059, 89815911, Z55610, Z77601
A05XW		X	175	50	4	7	1,5	20,1	150	90	52870	7557871
A05XX	X	X	175	50	4	7	1,5	20,1	150	90	53043	7558750
A05Y4			173	50	4,5			20,1	150	90	51007	D49080066, 44000, HF44280, 320999350, 840196200, Z103376
A05Y5	X		173	50	4,5			20,1	150	90		
A05XY		X	175	50	4	7	1,5	20,1	150	90	51071	7558740
A05XZ	X	X	175	50	4,5	7	2,5	20,1	150	110	51010	D49074600, 87593795
A05WM			173	50	5			18,1	150	90	42249	Z42176, 222500, 60-0170-42-01-2
A05WP	X		190	50	5			19,2	165	110	A00XA	HXE15871, KXE10256
A05Y3			190	50	5			19,2	165	110		
A05Y2			173	50	5			20,1	150	90		
A05WN	X		173	50	5			20,1	150	90	52945	Z105500, 87318316



# Perfect Harvest.

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