

# EVER PADS

Gen-E Milling Teeth - Milling and Wear Solutions



OUR PROMISE

Quality • Service • Integrity

## GEN-E MILLING TEETH

### CARBIDE TIP

#### CHALLENGE

Premature failure during asphalt milling due to inferior carbide tip compounds and milling teeth manufacturing processes.

#### SOLUTION

EVERPADS tungsten carbide tips with two major advantages: 1) Tips are shaped and structured in a high pressure atmosphere with the most advanced sintering furnace, and 2) raw materials are procured from a leading world provider, resulting in high-quality tips to withstand the increased cutting force of milling operations.

### STEEL BODY

#### CHALLENGE

Partial wear in milling teeth causes a shorter lifespan for machines due to poor rotation capability and wear resistance.

#### SOLUTION

EVERPADS Gen-E Milling Teeth have a high wear-resistance alloy steel body with a proprietary wave-shape design for increased rotational efficiency, better protection for the tool holder, and a longer lifespan for milling teeth.

### WEAR PLATES

#### CHALLENGE

Inadequate wear resistance of asphalt milling teeth wear plates causes unbalanced shaking and damage to the tool holder due to spacing issues between the wear plate and the steel body.

#### SOLUTION

The EVERPADS Gen-E Wear Plate, a wave-shaped wear plate, provides greater hardness, lower wear, good elasticity, high-temperature resistance, and high rotation performance, with a thickness of 4mm and 48mm in diameter, covering the tool holder for better crushing protection and increased service life.

### CLAMPING SLEEVE

#### CHALLENGE

Milling teeth falling off the tool holder during pavement milling reduces friction force, and increases wear resistance, giving way to poor consistency and tension precision, affecting the smooth rotation of teeth.

#### SOLUTION

EVERPADS uses special material with advanced heat treatment to create precise and long-term tension of the milling teeth in the tool holder, creating an optimal space for milling teeth to rotate smoothly in the tool holder, preventing the teeth from falling off during the planning and effectively reducing friction force and increasing wear resistance.





## CHOOSE THE RIGHT TOOLS, DO THE BEST JOB!

Road Milling Teeth	Small milling machines			Compact milling machines	Large milling machines
	0.35m	0.5m	1m rear		
		W 35 DC, W 35 Ri	W 50, W 50 H, W 55 H, W 50 DC, W 50 R, W 60 R	W 60, W 100 (L), W 100 (H), W 100 R, W 130 H	W 100 F, W 120 F, W 130 F, W 100 CF, W 120 CF, W 130 CF, W 150, W 150 CF
T4W	◆ ◆	◆ ◆	◆	◇	◇
T5W	◇	◆	◆ ◆	◆	◇
T6W	◇	◇	◆	◆ ◆	◆
T7WS	◇	◇	◇	◆	◆ ◆
T7WH	◇	◇	◇	◆	◆ ◆
T8WS	◇	◇	◇	◇	◆
T1-13W	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆
T7WR-22	◇	◇	◇	◆	◆ ◆



Highly recommendable



Recommendable



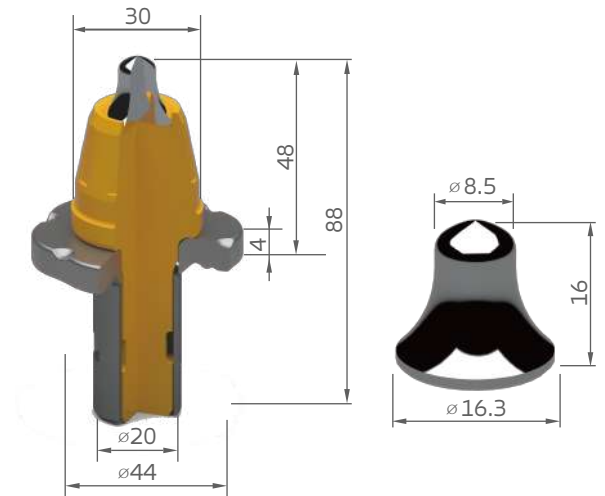
Conditionally recommendable

## EVERPADS GEN-E MILLING TEETH DETAIL

T4W

Part no. 1311016

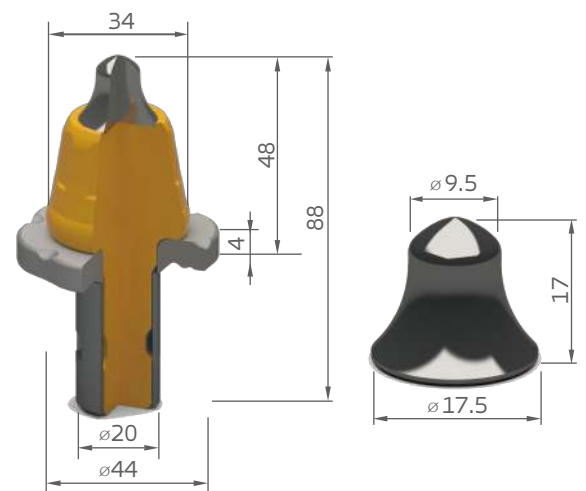
Base diameter tip	16.3 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height tip	16 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	8.5 mm



T5W

Part no. 1311007

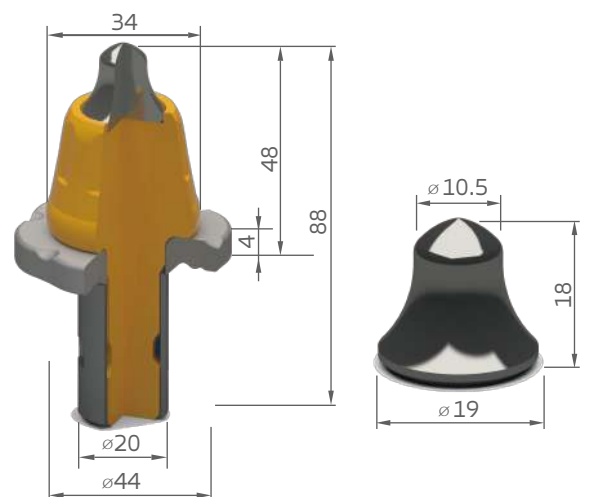
Base diameter tip	17.5 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height tip	17 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	9.5 mm



T6W

Part no. 1311010

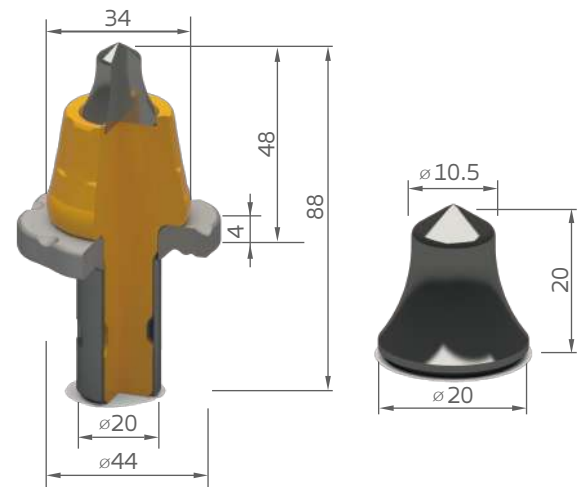
Base diameter tip	19 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height tip	18 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	10.5 mm



## T7WS

Part no. 1311019

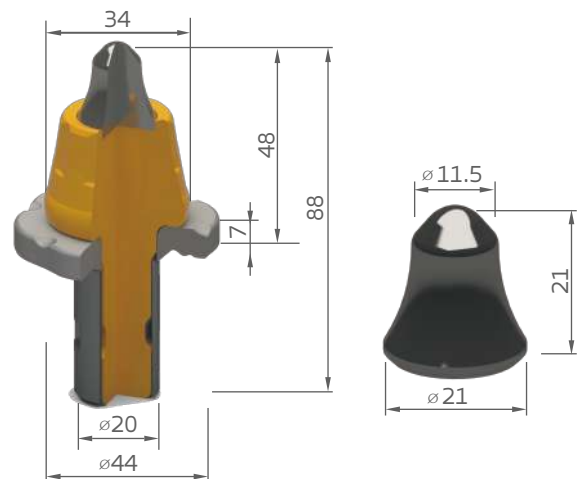
Base diameter tip	20 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height tip	20 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	10.5 mm



## T7WH

Part no. 1311021

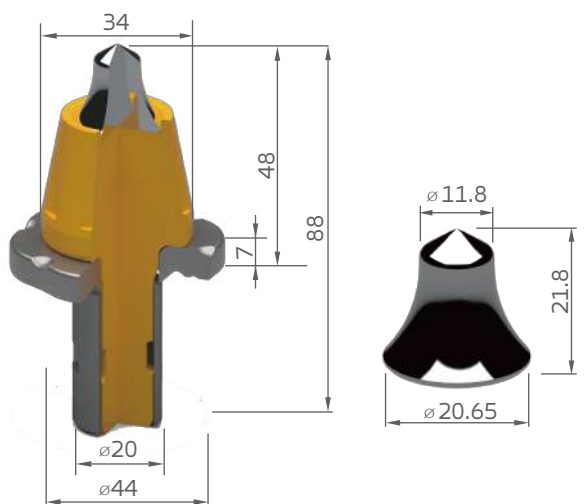
Base diameter tip	21 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height tip	21 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	11.5 mm



## T8WS

Part no. 1311037

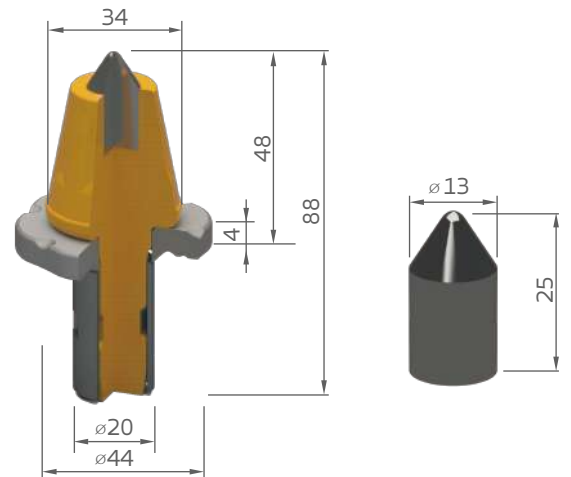
Base diameter tip	21.8 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height tip	20.65 mm
Height wear plate	7 mm
Diameter wear plate	44 mm
Upper diameter tip	11.8 mm



## T1-13W

Part no. 1311032

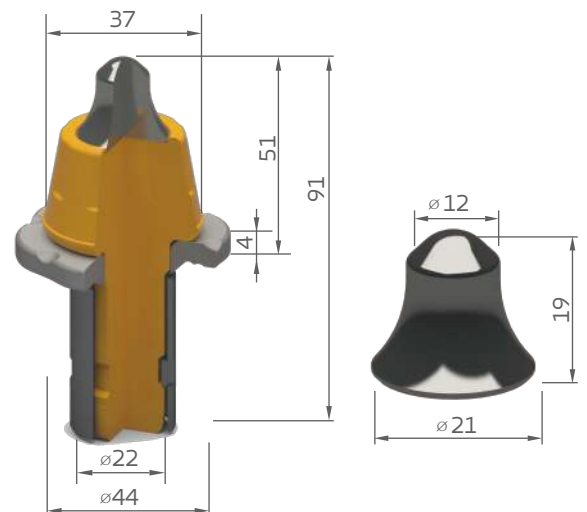
Base diameter tip	25 mm
Diameter shank	20 mm
Height head	48 mm
Height pick	88 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	13 mm



## T7WR-22

Part no. 1311023

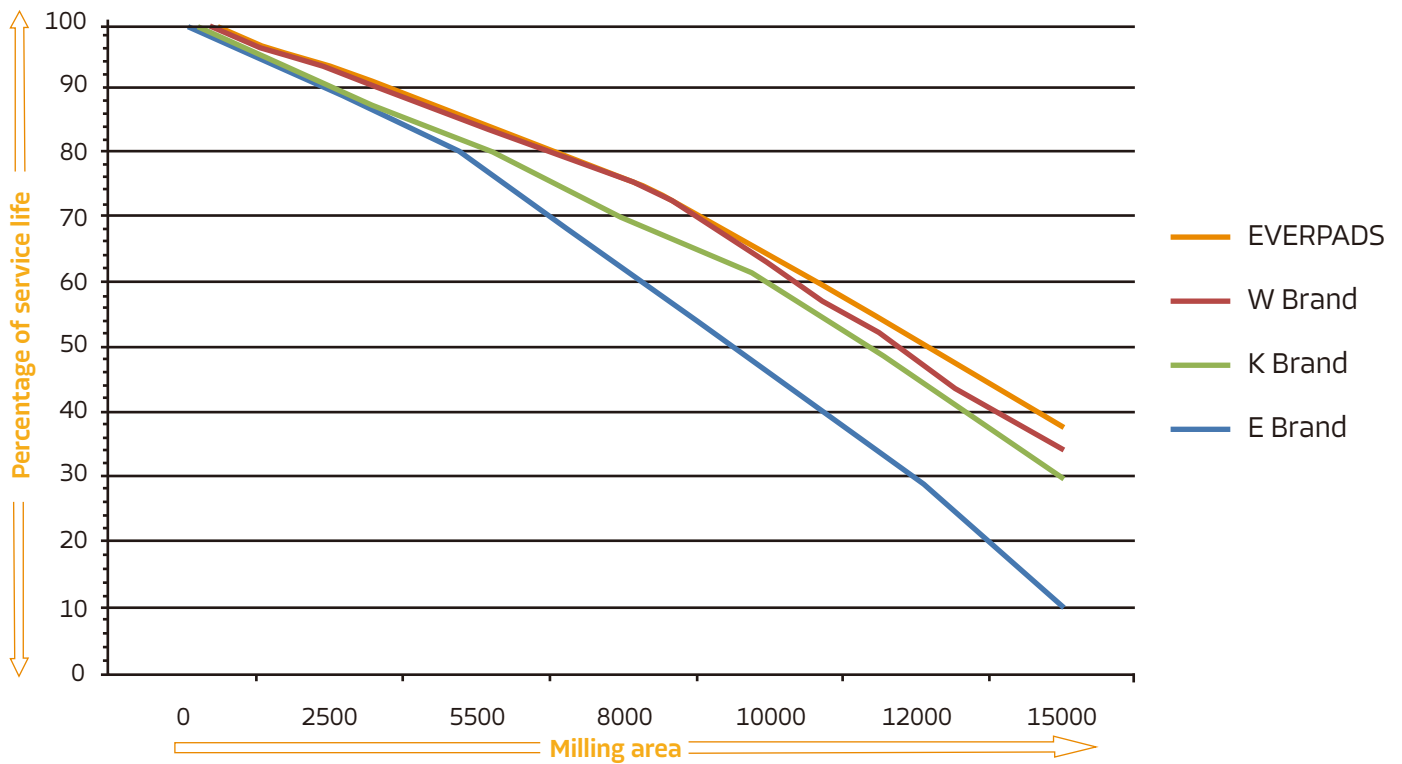
Base diameter tip	19 mm
Diameter shank	22 mm
Height head	51 mm
Height pick	91mm
Height tip	21 mm
Height wear plate	4 mm
Diameter wear plate	44 mm
Upper diameter tip	12 mm



## COMPARISON OF WELL-KNOWN CUTTING TOOLS

	EVERPADS	K Brand	W Brand	E Brand
Model	T7WS	25	7	9
Efficiency	100%	80%	70%	70%
Avg. Life (*)	13000m <sup>2</sup>	9000m <sup>2</sup>	12000m <sup>2</sup>	8000m <sup>2</sup>
Price (%)	82%	97%	100%	96%

\* Test Condition → Pavement: Mid-Hard AC, Milling Depth: 10cm.



## CASE STUDY - DA LIAN ASPHALT CONSTRUCTION

**Construction Project:** Highway pavement removal

**Machine:** W250

**Milling Drum:** 2.2 meter

**Milling Teeth:** T7WS\*170

**Milling depth:** 10cm

Da Lian Construction Company is one of the biggest milling construction companies in Taiwan. There are 14 cold milling machines in their fleet. It spreads out all over the country.



The construction was located at Freeway No.3 (Da-Jia Section), which required experienced operators and a good-condition machine; however, the job began at 8 o'clock in the morning.



“EVERPADS T7W is a very well-function product, and its endurance tested the amount of time. There was nothing to be worried about at the very first 7000m<sup>2</sup>,” said Mr. Chen. T7W works an excellent job on high-horsepower cold milling machines.



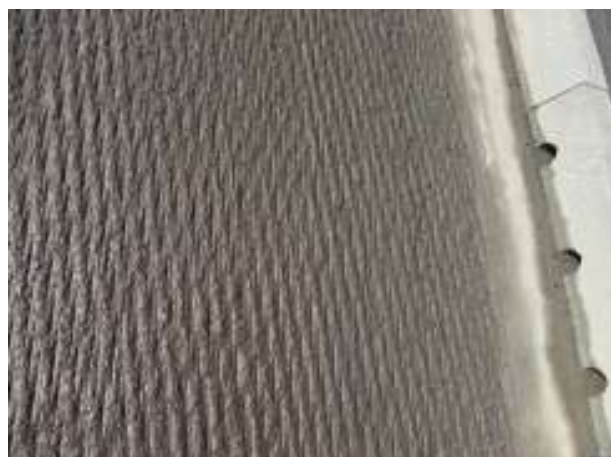
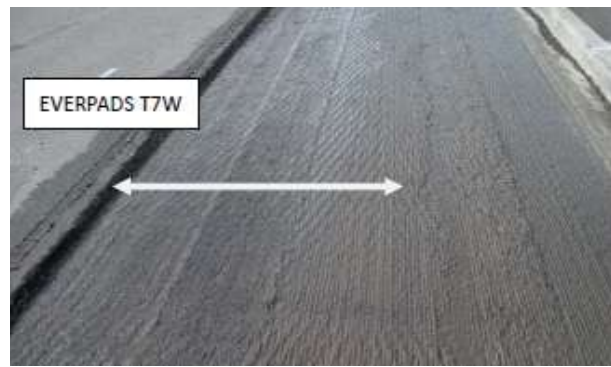




## T7W 15000m<sup>2</sup> 10cm

As what we expected to see, after the first 15000 m<sup>2</sup>, 188 pieces of EVERPADS T7W were getting the job done without any premature failure.

“I’m the biggest milling company in Taiwan, If I say it is ok, then it’s ok, and now you can tell everyone in Taiwan that I’m using EVERPADS T7W!” Mr. Chen said proudly, the president of Da Lian. The deal is done!



## Cold Milling Machine Info.

Brand	Engine Power	Drum Width	Charge Head	Status of the machine
<b>W brand</b>	<b>963 PS</b>	<b>2.2m</b>	Mr. Chen	USED
Previous cutting tools	<b>W brand 6 series</b>			

## Cutting Tool Info.

Brand	Model	Quantity	Installation	Note
<b>EVERPADS</b>	<b>T7W</b>	<b>188</b>	<b>Full loaded</b>	

## Info of the Construction

Date	Weather	Road Hardness	m <sup>2</sup>	Depth
<b>2021/9/23</b>	<b>32°C /Sunny</b>	<b>Mid-hard</b>	<b>7000m<sup>2</sup></b>	<b>10cm</b>
<b>2021/9/24</b>	<b>32°C /Sunny</b>	<b>Mid-hard</b>	<b>8000m<sup>2</sup></b>	<b>10cm</b>
Worn-out	<b>0</b>			
Total Square Measure	<b>15000m<sup>2</sup></b>			

Note: In Taiwan, the amount of daily duty for the road milling is usually at about 8000m<sup>2</sup> to 12000m<sup>2</sup>.





## Gen-E Milling Teeth - Milling and Wear Solutions

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