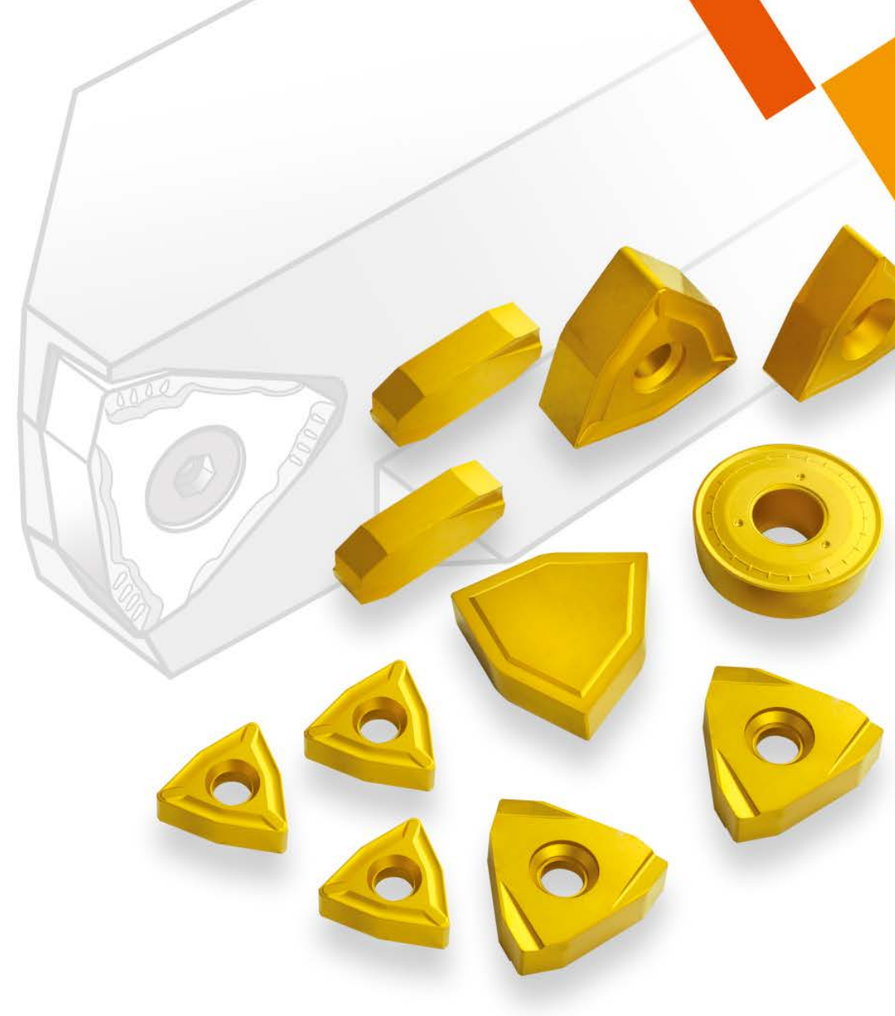
Welcome to link
You will get our latest information

WEIKEDUO

Inserts for Bar Peeling



Zhuzhou Weikeduo Cemented Carbide Co.. LTD.

ADDRESS: Building B, Smart Cube, No. 460, Jinshan Road, Hetang Zhuzhou City, Hunan Province,China

Phone: +86 137 8633 2019 +86 186 7080 5093

Wechat&WhatsApp: +86 137 8633 2019 +86 177 0056 1536

Email: cathy@weikeduocarbide.com

admin@weikeduocarbide.com

The centerless lathe peeling tool (Inserts for Bar Peeling) is used for turning operations on round bars, tubes, and coiled wire rods made of steel (e.g., stainless steel, bearing steel,alloy steel, spring steel), copper, titanium, magnesium, aluminum, and other materials. It can rapidly remove surface defects such as cracks, oxidized layers, or decarburized layers, producing high-precision, high-quality bright-finished bars, tubes, and wires. Its efficiency is several to over ten times higher than conventional processes.

VKD Tools Material recommendation

Grade	Machining objects
VKD251P	ISO-P PVD-coated grades, featuring ultra-fine grain carbide substrates with excellent toughness and TiAlN-based nano-coatings, are designed for machining carbon steels and alloy steels under stable working conditions.
VKD251M	ISO-M PVD coating grade, ultra-fine particle carbide, TiAlN-based nano-coating, has extremely high wear resistance and is suitable for stainless steel processing under stable working conditions.
VKD451M	ISO-M PVD coating grade, high strength and plastic deformation resistance substrate, TiAlN-based nano-coating, suitable for stainless steel processing with high requirements on edge safety such as intermittent processing.
VKD204S	ISO-S PVD coating grade, high strength, high red hardness substrate, suitable for processing high temperature resistant alloy steel and other materials.
VKD254P	ISO-P CVD coating grade, using a substrate with good plastic deformation resistance and edge strength, fine-grained Al_2O_3 and the underlying fine and tough TiCN are closely combined, making cutting more stable. Suitable for semi-finishing to rough machining of steel parts.
VKD201M	ISO-M CVD coating grade, ultra-fine particle cemented carbide, with high temperature resistant TiCN coating, can achieve wear resistance and stable cutting, suitable for high hardness stainless steel processing such as double-free stainless steel.
VKD451U	ISO-M CVD coating grade, high strength and plastic deformation resistant substrate, large allowance and other unstable cutting can maintain good safety. Suitable for semi-finishing to rough machining of stainless steel.
VKD201S	ISO-S CVD coating grade, high strength, high red hardness substrate, excellent wear resistance, suitable for processing high temperature resistant alloy steel and other materials.

VKD insert naming convention

T N M X 15 09 R - WPR3
❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽

❶ Shape

T

L

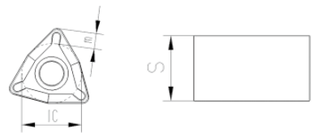
W

R

❷ Rear Angle N=0°

❸ Tolerance

	m	S	IC
G	± 0.025	± 0.13	± 0.025
M	± 0.08– ± 0.20	± 0.13	± 0.05– ± 0.15



❹ Insert Type

N- No holes and no grooves
X- Special Types

❺ Cutting edge length

❻ Thickness

06-6.35mm
08-8mm
09-9.52mm
10-10mm
11-11.25mm
12-12.75mm
13-13mm

❼ Cutting direction

R- Right
L - Left

❽ Groove code

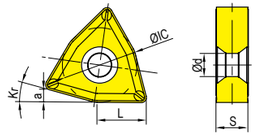
W—Wiper
P —Processing materials
R —Processing Category
3 —Groove Code

Code-T

PR2

WSM

WPR*



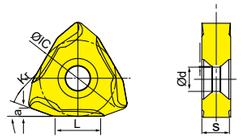
unit: mm

Steel (P)							●									
Stainless steel (M)	●	●		●					●							
Non-ferrous Metals (N)																
Heat Resistance Material(S)										●						

	Grade										Dimension					
Model	VKD251P	VKD251A	VKD201M	VKD251M	VKD451M	VKD204S	VKD254P	VKD201C	VKD451U	VKD201S	L	IC	S	d	Kr	a
TNMX3213-PR2							★		★		15.8	32	13	9	15°	7.9
TNMX3112L-WSM							☆		☆	★	15.8	31.75	12.75	9	15°	7.6
TNMX1106L/R-WPR	★	☆		★			☆				11.0	15.87	6.41	6.4	15°	2.4
TNMX1509L/R-WPR1							★		★	☆	14.8	22.22	9.55	7.9	15°	3.5
TNMX1509L/R-WPR2							★		★	☆	14.8	22.22	9.55	6.9	15°	3.5
TNMX1509L/R-WPR3							★		★	☆	14.8	22.15	9.75	7.9	15°	3.7

WPM

WPR



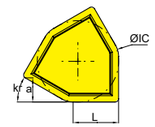
unit: mm

Steel (P)			●		●											
Stainless steel(M)	●	●	●													
Cast Iron (K)					●											
Non-ferrous Metals (N)																
Heat Resistance Material(S)								●								
High Hardness Materials(H)					●											

	Grade								Dimension					
Model	VKD251P	VKD201M	VKD451M	VKD204S	VKD254P	VKD201C	VKD451U	VKD201S	L	IC	S	d	Kr	a
TNMX2208L/R-WPM	★	★	★		★				15.24	22.1	8	7.1	20°	2.5
TNMX2208L/R-WPR	★	★	★		★				15.24	22.1	8	7.1	20°	2.5

★The main brands are in stock ☆Alternative grades

Code-W



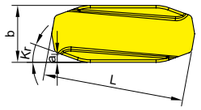
unit: mm

Steel (P)					●											
Stainless steel(M)			●				●									
Cast Iron (K)																
Non-ferrous Metals (N)																
Heat Resistance Material(S)								●								
High Hardness Materials(H)																

	Grade								Dimension					
Model	VKD251P	VKD201M	VKD451M	VKD204S	VKD254P	VKD201C	VKD451U	VKD201S	L	IC	S	d	Kr	a
WNGF28M9-WR			☆		★	★		★	16	28.6	9.55		30°	8.5
WNGF28M9					★	★		★	16	28.6	9.55		30°	8.5

★The main brands are in stock ☆Alternative grades

Code-L

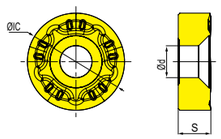


unit: mm

Steel (P)					●									
Stainless steel (M)		●	●											
Cast Iron (K)														
Non-ferrous Metals (N)														
Heat Resistance Material (S)								●						
High Hardness Materials (H)														

	Grade								Dimension					
Model	VKD251P	VKD201M	VKD451M	VKD204S	VKD254P	VKD201C	VKD451U	VKD201S	L	S	b	d	Kr	a
LNKN211004L-WPR		★							21	10	4.5		20°	1.3
LNKN211006L-WPR		★							21	10	6.0		20°	1.3
LNKN301207L-WMR					★				30.6	12	7.8		20°	2.4
LNKN301207L/R-WPR					★	★		☆	30.6	12	7.8		20°	2.4
LNKN371812L/R-WMR			★		★				36.4	18	12.45		20°	2.7

Code-R



unit: mm

Steel (P)	●										
Stainless steel (M)							●				
Cast Iron (K)											
Non-ferrous Metals (N)											
Heat Resistance Material (S)								●			
High Hardness Materials (H)											

	Grade								Dimension		
Model	VKD251P	VKD201M	VKD451M	VKD204S	VKD254P	VKD201C	VKD451U	VKD201S	R	d	S
RCMX3209MO-BPR	★						★		32.0	9.6	8.52
RNMH3812MO-SR		★						★	38.1	12.5	12.8

★The main brands are in stock ☆Alternative grades