

Bar Peeling Catalogue

2023-2024 Version



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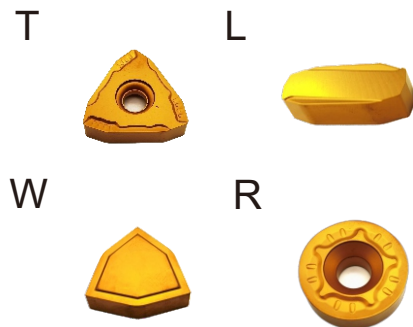


Materials	Grades	Standard ISO	Coating	Discriptions
P	HP251S	P25	PVD	PVD coating grade, with good toughness of ultra fine particle carbide, TiAlN based nano coating, suitable for stable working conditions of carbon steel and alloy processing.
	HP251C	P25	CVD	CVD coating grade, the use of plastic deformation resistance and good cutting edge strength of the matrix, fine alumina and the bottom micro-strong TiCN closely combined, cutting more stable. Suitable for semi-finishing to rough processing of steel parts.
	HP252C	P25	CVD	CVD coating grade, the use of plastic deformation resistance and good cutting edge strength of the matrix, fine alumina and the bottom micro-strong TiCN closely combined, cutting more stable. Suitable for semi-finishing to rough processing of steel parts.
	HP254C	P25	CVD	CVD coating grade, the use of plastic deformation resistance and good cutting edge strength of the matrix, fine alumina and the bottom micro-strong TiCN closely combined, cutting more stable. Suitable for semi-finishing to rough processing of steel parts.
	HP254U	P25	CVD	CVD coating grade, the use of plastic deformation resistance and good cutting edge strength of the matrix, fine alumina and the bottom micro-strong TiCN closely combined, cutting more stable. Suitable for semi-finishing to rough processing of steel parts.
	HP351C	P35	CVD	CVD coating grade, high strength, high red hard matrix, excellent wear resistance, suitable for high temperature alloy steel and other materials processing.
	HP354C	P35	CVD	CVD coating grade, high strength, high red hard matrix, excellent wear resistance, suitable for high temperature alloy steel and other materials processing.
M	HM251S	M25	PVD	PVD coating grade, ultra-fine grained cemented carbide, TiAlN based nano coating, with extremely high wear resistance, suitable for stainless steel processing under stable conditions.
	HM254S	M25	PVD	PVD coating grade, ultra-fine grained cemented carbide, TiAlN based nano coating, with extremely high wear resistance, suitable for stainless steel processing under stable conditions.
	HM351C	M35	CVD	CVD coating grade, high strength and anti-plastic deformation matrix, large margin and other unstable cutting can maintain good safety. Suitable for semi-finishing to rough processing of stainless steel.
	HM451C	M45	CVD	CVD coating grade, high strength and anti-plastic deformation matrix, large margin and other unstable cutting can maintain good safety. Suitable for semi-finishing to rough processing of stainless steel.
S	HS201C	S20	CVD	CVD coating grade, high strength, high red hard matrix, excellent wear resistance, suitable for high temperature alloy steel and other materials processing.
	HS202C	S20	CVD	CVD coating grade, high strength, high red hard matrix, excellent wear resistance, suitable for high temperature alloy steel and other materials processing.

T N M X 15 09 R - WPR3

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Insert shape



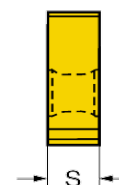
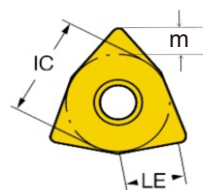
② Insert clearance angle

N=0°



③ Tolerance grade

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



④ Insert type

N-Without hole and chip breaker
X-Special type

⑦ Cutting direction

R-Right
L-Left

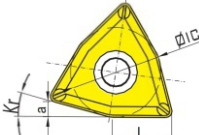
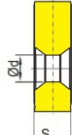






⑤ Cutting edge length


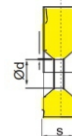
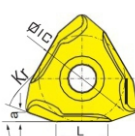
⑥ Thickness

06-6.35mm
08-8.00mm
09-9.52mm
10-10.00mm
11-11.25mm
12-12.75mm
13-13.00mm

⑧ Chip breaker

W-Wiper
P-Machiable material
R-Machining method
3-Chip breaker code

		     														unit: mm			
steel (P)		●	●	●		●	●												
stainless steel (M)									●	●	●								
non-metallic material (N)																			
superalloy (S)												●	●						
	Material												Size						
Type	HP251S	HP251C	HP252C	HP254C	HP254U	HP351C	HP354C	HM251S	HM254S	HM351C	HM451C	HS201C	HS202C	L	IC	S	d	Kr	a
TNMX3213-PR2		★	★								★			15.8	32	13	9	15	7.9
TNMX3112L/R-WSF				★			★							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-WSM												★	★	14.8	22.22	9.55	7.9	15	3.5
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

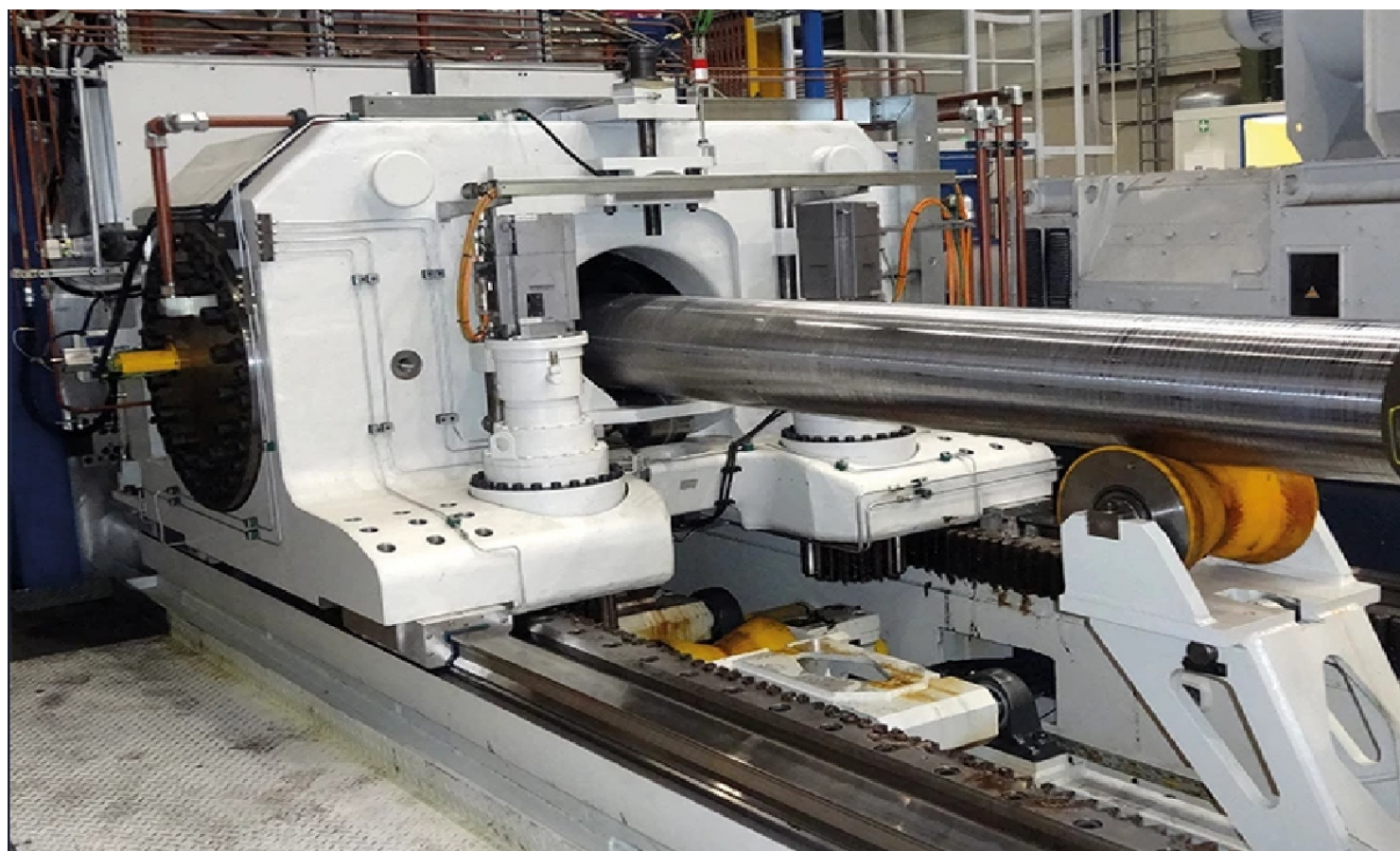
<div></div> <div>WPM</div>														unit: mm					
steel (P)		●	●	●		●													
stainless steel (M)											●								
non-metallic material (N)																			
superalloy (S)																			
	Material												Size						
Type	HP251S	HP251C	HP252C	HP254C	HP254U	HP351C	HP354C	HM251S	HM254S	HM351C	HM451C	HS201C	HS202C	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

★ First option, stock available

\$ Shortly available

[illegible]

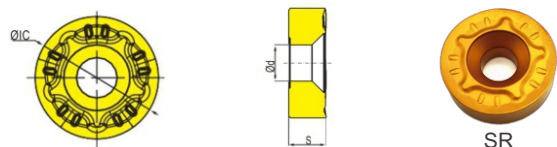
☆ Shortly available



<div>unit: mm</div>															
steel (P)			●				●					●			
stainless steel (M)															
cast iron (K)															
non-metallic material (N)															
superalloy (S)															
hardened material (H)															
	Material												Size		
Type	HP251S	HP251C	HP252C	HP254C	HP254U	HP351C	HP354C	HD152C	HM251S	HM254S	HM351C	HM451C	HS201C	HS202C	
LNKN211004L-WPR												★			
LNKN211006L-WPR												★			
LNKN301207L-WMR		★				★									
LNKN301207L/R-WPR		★				★									
LNKN371812L/R-WPR								★							

★ First option, stock available

☆ Shortly available



unit: mm

steel (P)		●				●										
stainless steel (M)											●					
cast iron (K)																
non-metallic material (N)																
superalloy (S)																
hardened material (H)																
	Material												Size			
Type	HP251S	HP251C	HP252C	HP254C	HP254U	HP351C	HP354C	HM251S	HM254S	HM351C	HM454U	HS201C	HS202C	R	d	S
RCMX3209MO-BPR		★									★			32.0	9.6	8.52
RNMH3812MO-SR						★								38.1	12.5	12.8

★ First option, stock available

☆ Shortly available

Type	Photo	Grade
TNGL1407R		P25
TNGL1407L		P25

We can customize for you

HNMH	NNUX	NNUX2
YOCR	ZNUX1006X L21.67*W10*H6.5	03100-100 L61.5*W10*H8.0

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