

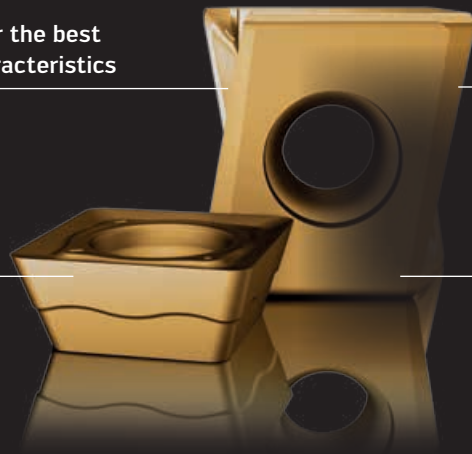
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YOU HAVE HIGH EXPECTATIONS – WE CAN OFFER LONG TOOL LIFE.

Smooth rake face for the best possible friction characteristics

Optimum wear detection on rake face and flank face



Tough cutting edge for maximum process reliability

Latest coating technology for long tool life and excellent cutting data

Tiger-tec[®]Gold

Your challenges spur us on to exceed our own expectations

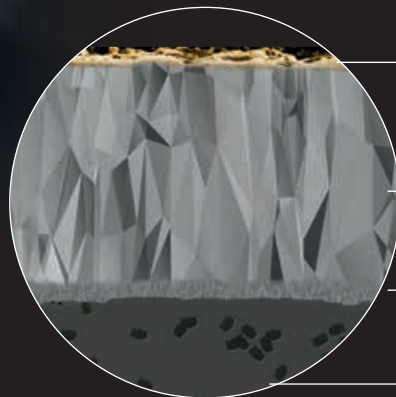
As an innovative company, we are often asked how we manage to produce fascinating and often groundbreaking products and technologies time and time again. The answer begins with a question we put to ourselves: How can we at Walter help you design your machining process to make it even more efficient?

Our answer is: By making your objectives our own, as your product is the best starting point for our development work.

And the result of this development strategy is remarkable: With Tiger-tec[®] Gold, we are providing you with a new technology that meets the most exacting requirements placed on machining.



HOW CAN YOU TURN AN OUTSTANDING LAYER INTO A PERFECT COATING? WITH SUPERIOR PROPERTIES.



TiN
Best friction characteristics
and wear detection

TiAlN
Resistant to abrasion, hairline cracks,
plastic deformation, oxidation

TiN
Excellent layer binding

Carbide substrate
High level of toughness

Schematic diagram

Tiger-tec® Gold was developed to make your production process even more reliable and efficient

At the core of Walter's new indexable insert grade lies a particularly tough carbide substrate. Although much less material is used on the outer area, this makes it all the more advantageous: In addition to the geometry of the indexable insert, it is the coating that really makes the crucial difference.

With the new WKP35G milling grade, manufactured using the innovative ultra low pressure method (ULP-CVD), you can benefit from tomorrow's technology right now.

The superior properties of Tiger-tec® Gold are based on several related factors

The standout feature is the extremely tough and resistant TiAlN layer, with an extremely high aluminum content. This is located directly underneath the TiN top layer and protects the substrate against abrasion, thermal cracks, plastic deformation and oxidation. The eye-catching, gold-colored top layer enables outstanding wear detection and boasts impressive friction characteristics. Another, TiN layer is located between the carbide substrate and the TiAlN layer, ensuring excellent bonding of the layers.

Tiger-tec® Gold – the new technology platform from Walter. Go for better, go for Gold.

NEW

THE GRADE

- New WKP35G Tiger-tec® Gold milling grade: CVD-coated all-round grade
- TiAlN as the main component: High aluminum content for outstanding wear characteristics
- Produced using the innovative ultra low pressure method (ULP-CVD)
- Gold-colored top layer made of TiN
- Excellent combination of wear resistance and toughness for milling

THE APPLICATION

- For roughing steel and cast iron workpieces
- For moderate to high cutting speeds
- For dry milling or use with coolant



Now also in:
Tiger-tec® Gold

Tiger-tec® Gold

Fig.: Walter BLAXX M3024 heptagon milling cutter



Watch the product trailer:
Scan this QR code or go directly
to <http://goo.gl/Nkvf6o>

BENEFITS FOR YOU

- Optimized wear characteristics for a significantly longer tool life
- Optimum cutting data due to a reduction in visible wear rate
- Maximum process reliability thanks to the tough cutting edge
- Gold-colored top layer provides optimum wear detection

THE INDEXABLE INSERT

WKP35G – available for the following tools:

- All tools in the M4000 family
- Walter BLAXX milling cutters
- Xtra-tec® range of cutters

Indexable inserts –
selected examples from the range:



LNMX...-F27T



SDGT...-D57



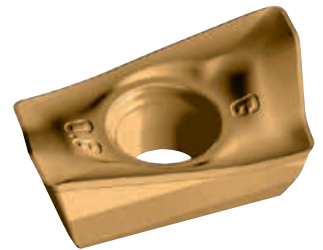
LNGX...-L55



XNMU...-F27



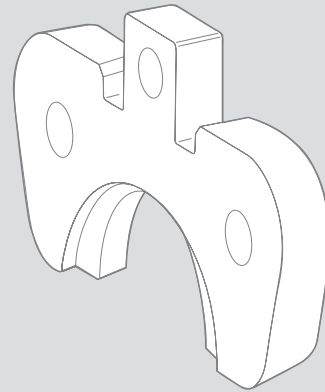
SNMX...-F57



ADMT...-G56

APPLICATION EXAMPLE

Tiger-tec® Gold – third field test

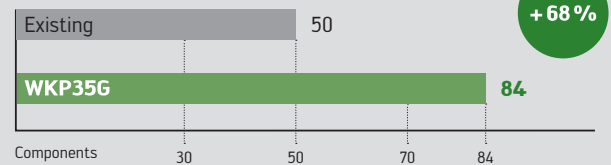


Workpiece: Mounting
Material: 4140 Steel – ISO P
Machine: Chiron FZ 18K W / SK 40
Operation: Roughing
Tool: M4042.B22.050.Z05.15
Insert: ADMT160608R-F56
Grade: WKP35G

Cutting data:

	Existing	WKP35G
Number of teeth	5	5
Cutting speed v_c	620 SFM	620 SFM
Feed per tooth f_z	0.004 inch	0.004 inch
Feed rate v_f	23.7 inch/min	23.7 inch/min
DOC a_p	0.006–0.185 inch	0.006–0.185 inch
WOC a_e	0.984–1.417 inch	0.984–1.417 inch

Comparison: Tool life



Walter M4000 – High performance made universal.

SYSTEM EXPANSION

THE SYSTEM INSERTS

- 15° clearance angle
- Ground support face: Improves the seating of the inserts in the insert seat and reduces vibration

Square indexable inserts:

- Can be used in face, shoulder, routing, helical, chamfer and T-slot milling cutters
- Four cutting edges
- Circumference-sintered design for maximum cost efficiency
- Circumference fully ground with facets (90°) for excellent component surface finishes

Rhombic indexable inserts:

- Can be used in routing cutters and helical milling cutters
- Two cutting edges
- Circumference-sintered design for maximum cost efficiency

System insert SD ...

- Square, positive basic shape
- Range of grades and geometries for all applications



Shoulder milling cutter
M4132



High-feed milling cutter
M4002

Powered by
Tiger-tec® Silver

Now also in:
Tiger-tec® Gold

Can now also be equipped with the new
WKP35G Tiger-tec® Gold grade for even
longer tool life on steel and cast iron.

BENEFITS FOR YOU

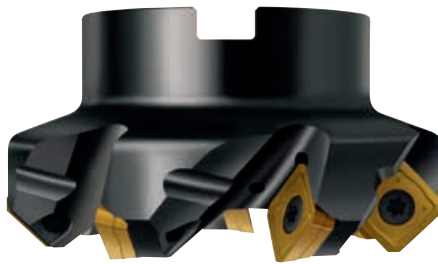
- More cost-effective due to reduced procurement and inventory expenditure due to system inserts which can be used universally
- Two or four cutting edges per indexable insert
- Resource-saving thanks to CO₂-compensated production through climate protection projects
- Low power requirement thanks to highly positive geometries
- CVD-coated grades (WKP25S, WKP35S and WKP35G) for steel and cast iron machining as well as for machining stainless steels and difficult-to-cut materials (WSM45X)
- PVD-coated grades (WKK25S, WSM35S and WSP45S) for machining steel and cast iron, stainless steels and difficult-to-cut materials

NEW FLANK FACE DESIGN FOR FASTER IDENTIFICATION

The number of waves on the flank face indicates the geometry: The more waves there are, the more positive the geometry of the indexable insert. This means that the geometry can be identified at a glance.

Leading insert LD...

- Rhombic, positive basic shape
- Different grades and geometries



Face milling cutter
M4003



Chamfer milling cutter
M4574




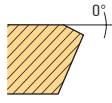

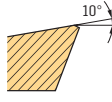

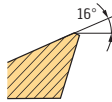

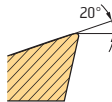

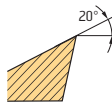
T-slot milling cutter
M4575



Routing cutter
M4792



Helical milling cutters
M4256/M4257/M4258

Geometry example	Areas of application	Main cutting edge section	Material groups							Tool families
			P	M	K	N	S	H	O	
	A57 – The special one <ul style="list-style-type: none"> - For unfavorable machining conditions - Maximum cutting edge stability - High feed rates - Straight border (no wave on the flank face) 		••		••					M4002
	D57 – The stable one <ul style="list-style-type: none"> - For average machining conditions - Can be used universally - One wave on the flank face 		••	••	••		••			M4003 M4132
	F57 – The universal one <ul style="list-style-type: none"> - For good machining conditions - Low cutting forces - Medium feed rates - Two waves on the flank face 		••	••	••		••			M4256 M4257
	G77 – The special one <ul style="list-style-type: none"> - For machining titanium materials - Low cutting forces - High level of accuracy - Three waves on the flank face 		•	••			••			M4258 M4574 M4575
	G88 – The sharp one <ul style="list-style-type: none"> - For machining aluminum - Low cutting forces - Sharp cutting edges - Three waves on the flank face 						••		•	M4792

Four cutting edges for one-of-a-kind surfaces.

NEW

THE TOOL

- Face milling cutter with 45° approach angle and four-edged system insert
- Diameter range 20–160 mm (or 1–6")
- Available with parallel shank and bore adaption
- Two insert sizes: SD..09T3.. and SD..1204..
- Depth of cut 4.5/6.5 mm

THE APPLICATION

- Face milling of steel, cast iron, stainless steels, non-ferrous metals and difficult-to-cut materials
- Roughing, semi-finishing and finishing



Now also in:
Tiger-tec®Gold

Walter M4000 face milling cutter

Fig.: M4003

BENEFITS FOR YOU

- High degree of cost efficiency thanks to system insert which can be used universally
- Reduced procurement and inventory expenditure
- Four cutting edges per indexable insert
- Reduction of machining steps by combining roughing and finishing
- Resource-saving thanks to CO₂-compensated production through climate protection projects
- Low power requirement thanks to highly positive geometries

Walter Green

THE INDEXABLE INSERTS

- Square system inserts with facets
- 15° clearance angle
- Circumference-sintered design for maximum cost efficiency
- Circumference fully ground design for maximum precision
- Different geometries available (see p. 175)
- Three CVD-coated grades:
WKP25S, WKP35G and WSM45X
- Three PVD-coated grades:
WKK25S, WSM35S and WSP45S

Now also in:

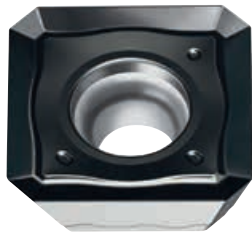
Tiger-tec®Gold



SDGT...-F57
WKP35G

Powered by

Tiger-tec®Silver



SDGT...-F57
WKP25S



SDMW...-A57
WKP35G



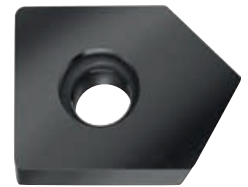
SDMT...-D57
WKP35G



SDGT...G77
WSP45S



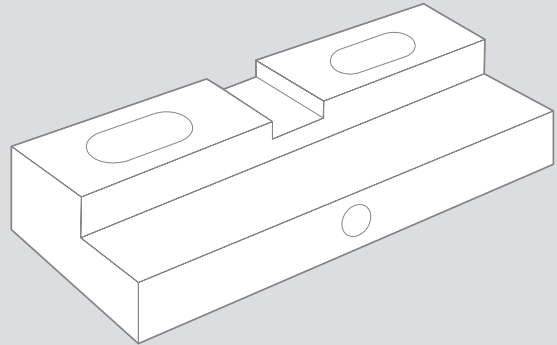
SDHT...-G88
WK10



SDHX...-A88
WHH15

APPLICATION EXAMPLE

Toolholder, face milling top side

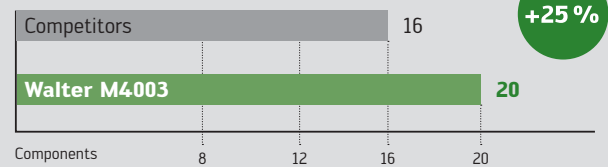


Material: Structural steel – (1.0045), ISO P
Tool: M4003-063-B22-10-4.5
Insert: SDMT09T3AZN-F57
Grade: WKP35G

Cutting data:

	Competitors	Walter M4003
Number of teeth	8	10
Cutting speed v_c	656 SFM	721 SFM
Feed per tooth f_z	0.006 inch	0.006 inch
Feed rate v_f	36.3 inch/min	65.6 inch/min
WOC a_e	0.079 inch	0.079 inch
DOC a_p	1.772 inch	1.772 inch

Comparison: Tool life



Ordering information
from page 230.

Watch the product animation:
Scan this QR code or go directly to
<http://goo.gl/87MZLm>



Optimum cost efficiency thanks to maximum number of cutting edges.

NEW

THE TOOL

- Copy milling cutter with 12 mm round inserts
- Recommended depth of cut 4 mm
- Diameter range 32–63 mm (or 2–2.5")
- Available with modular ScrewFit interface or bore adaption

THE APPLICATION

- Perfect for helirough and z-level machining on turbine blades
- For face milling
- For steel, stainless steels and difficult-to-cut materials

THE INDEXABLE INSERTS

- Eight cutting edges per indexable insert with negative basic shape
- Indexing using flank face
- Sintered design RNMX1206M0-..
- D57 and F67 geometries in the WSP45S grade



Walter copy milling cutter

Fig.: M2471

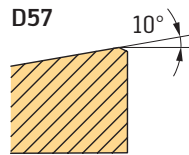
BENEFITS FOR YOU

- Excellent cost efficiency thanks to high metal removal rate, even on low-performance machines
- Lower cutting material costs as there are eight cutting edges per insert
- High level of process reliability thanks to stable indexable inserts
- Soft cutting action thanks to positive cutting edge geometry
- PVD-coated WSP45S grade can be used without coolant, with MQL and for wet machining (emulsion)

THE GEOMETRIES

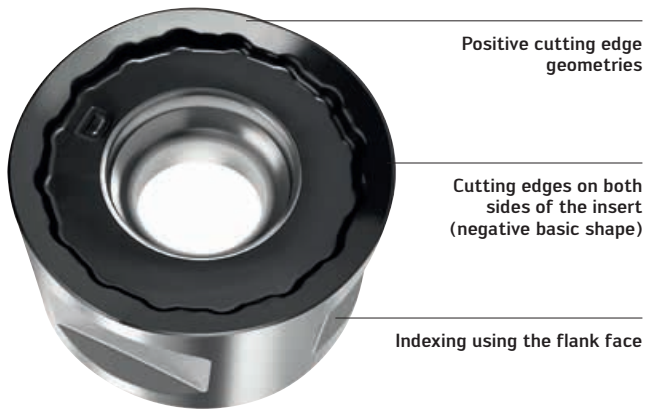
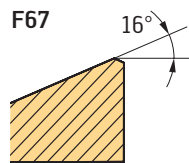
D57 – The universal one

- Average machining conditions
- Can be used universally



F67 – The easy-cutting one

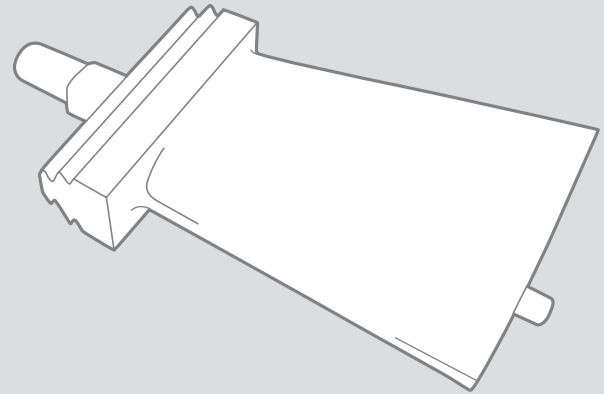
- For good machining conditions
- Low cutting forces
- Medium feed rates



RNMX1206M0-D57 indexable insert

APPLICATION EXAMPLE

Helirough milling a turbine blade

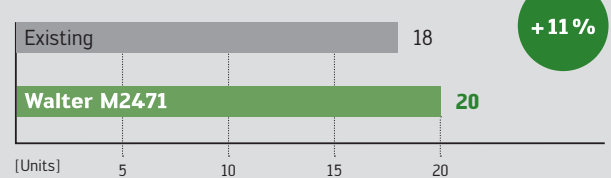


Material: Martensitic Stainless Steel (1.4923), ISO P
Tool: M2471, Ø 50, Z5
Insert: RNMX1206M0-F67
Grade: WSP45S

Cutting data:

	Existing	Walter
Cutting speed v_c	918 SFM	918 SFM
Number of revolutions n	1782 rpm	1782 rpm
Feed per tooth f_z	0.016 inch	0.016 inch
Feed rate v_f	140 inch/min	140 inch/min
DOC a_p	0.118 inch	0.118 inch
WOC a_e	1.25 inch	1.25 inch

Comparison: Number of grooves [units]



Watch the product animation:
 Scan this QR code or go directly to
<http://goo.gl/mMPeMo>



90° shoulders with eight-edged indexable insert.

NEW

THE TOOL

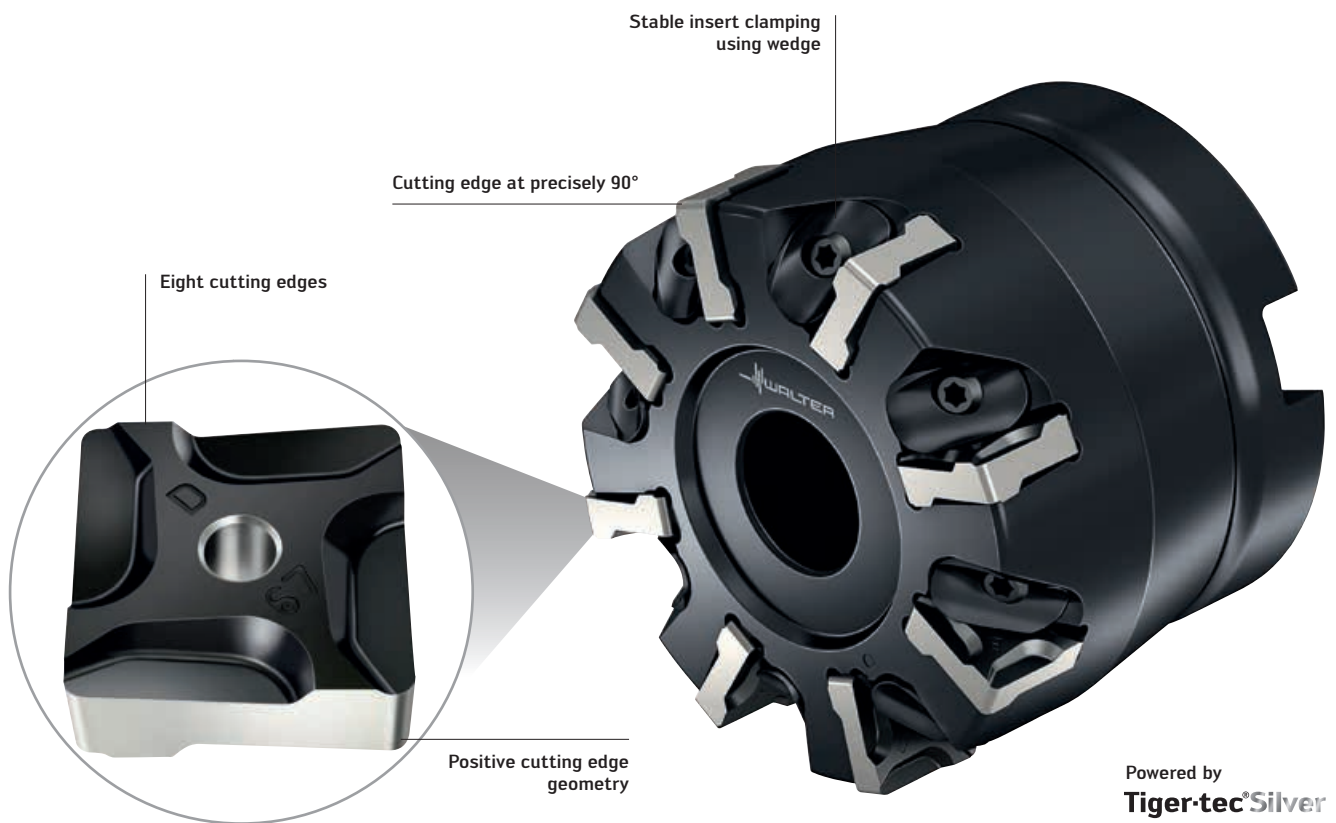
- Face/shoulder milling cutter with 90° lead angle
- Depth of cut 6.5 mm
- Diameter 50–160 mm (or 2–6 inch)

THE APPLICATION

- For all cast iron workpieces (e.g. GG25, GG26Cr, CGI, etc.)
- For face and shoulder milling
- For roughing and finishing
- Areas of use: Automotive industry, general mechanical engineering, etc.

THE INDEXABLE INSERTS

- Eight cutting edges per insert with negative basic shape
- Roughing inserts with corner radius and facet
- Tiger-tec® Silver cutting tool materials for maximum tool life
- Insert type SNEF120408R...



Multi-tooth finishing face milling cutter

Fig.: M2136

BENEFITS FOR YOU

- High level of process reliability thanks to stable, negative, wedge-clamped indexable inserts
- Low cutting tool material costs thanks to indexable inserts with eight edges
- Soft cutting action due to positive cutting edge geometry
- Maximum productivity on account of the Tiger-tec® Silver cutting tool materials which can be used universally



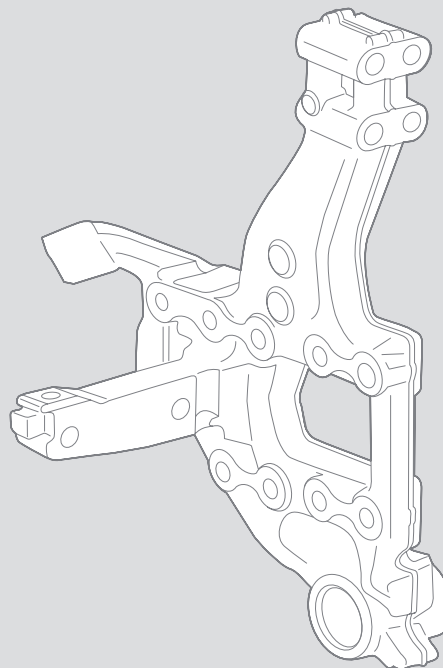
M2136
Ø 80 mm, Z = 12



M2136
Ø 160 mm, Z = 24

APPLICATION EXAMPLE

Component, face milling top side

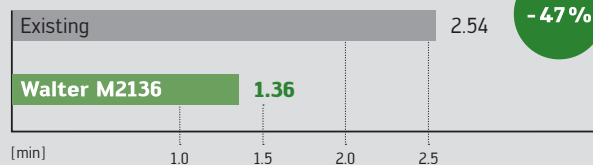


Material: Durabar 65-45-12 (GGG50 - 0.7050), ISO K
Tool: M2136, Ø 80, Z12
Insert: SNEF120408R-B67
Grade: WKP25S

Cutting data:

	Existing	M2136 Walter
Number of teeth	7	12
Cutting speed v_c	741 SFM	741 SFM
Feed per tooth f_z	0.012 inch	0.009 inch
Feed rate v_f	70.8 inch/min	92.5 inch/min
DOC a_p	0.118–0.197 inch	0.118–0.197 inch
WOC a_e	2.953 inch	2.953 inch

Comparison: Machining time [min]



Cost-effective face milling with high process reliability.

NEW TO THE RANGE

NEW ADDITION TO THE PRODUCT RANGE

- Indexable insert size XNMMU0906..
- Maximum depth of cut 6 mm
- Indexable inserts in Tiger-tec® Gold

THE INDEXABLE INSERTS

For roughing:

XN.U0705.. and XNMMU0906..

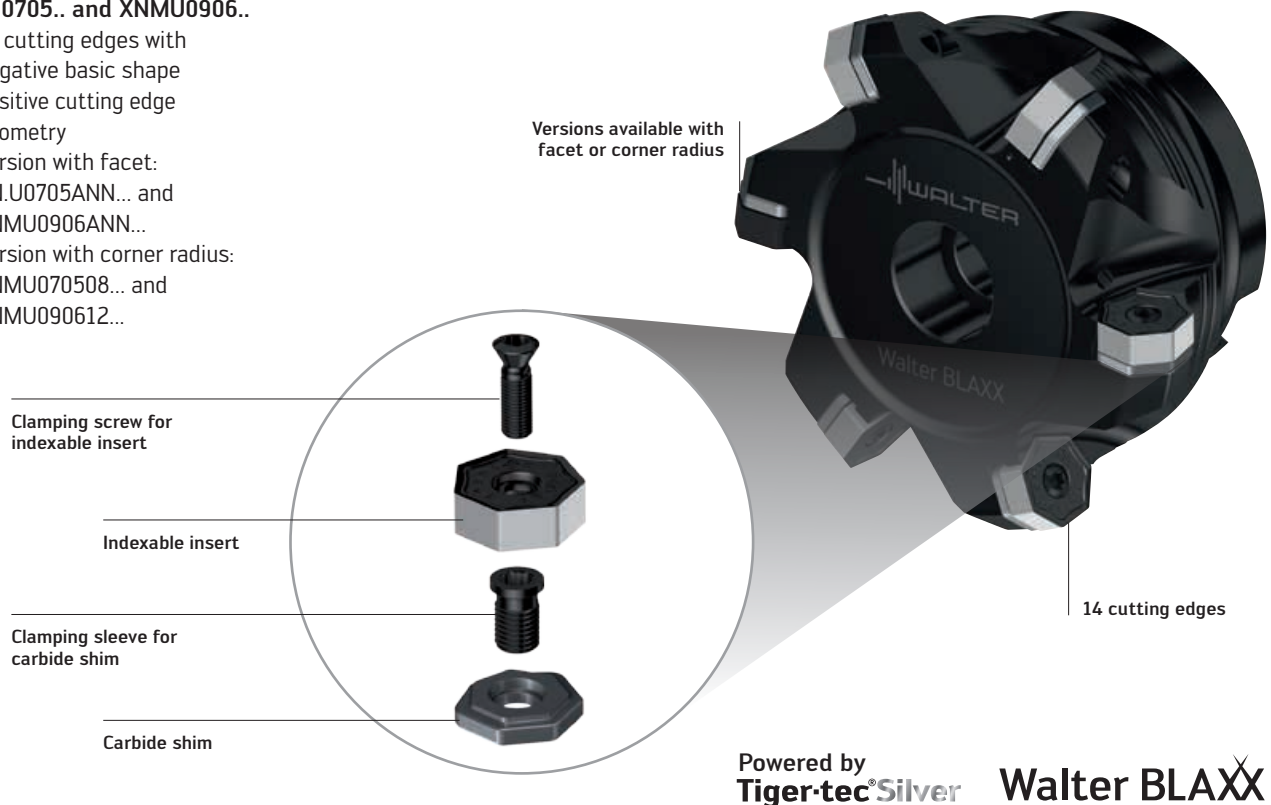
- 14 cutting edges with negative basic shape
- Positive cutting edge geometry
- Version with facet: XN.U0705ANN... and XNMMU0906ANN...
- Version with corner radius: XNMMU070508... and XNMMU090612...

THE APPLICATION

- Face milling in all steel and cast iron workpieces as well as in stainless steels
- Perfect for machining components in the mass production industry, components such as turbochargers
- Areas of use: General mechanical engineering and other sectors

THE TOOL

- Walter BLAXX 45° face milling cutter
- Maximum depth of cut 4 or 6 mm
- Diameter range 40–160 mm (or 3/4–6 inch)
- Protected against corrosion and wear by Walter BLAXX surface treatment



Walter BLAXX heptagon face milling cutter

Fig.: M3024

Ordering information from page 222.



Watch product animation: Scan this QR code or go directly to <http://goo.gl/hqcRVZ>

BENEFITS FOR YOU

- Excellent cost efficiency thanks to high metal removal rate, even on low-performance machines
- Soft cutting action thanks to positive cutting edge geometry
- Low cutting material costs thanks to 14 cutting edges per insert
- High level of process reliability thanks to stable, negative indexable inserts
- Carbide shim provides an optimum support face and a high feed per tooth

Reliable cutting off and slitting – in aluminum.

NEW TO THE RANGE

NEW ADDITION TO THE PRODUCT RANGE

- Indexable insert with new SK8 geometry – aluminum machining at its sharpest
- Uncoated grade: WK1
- Low cutting forces due to sharp cutting edge

THE INDEXABLE INSERTS

- Single-edged indexable insert
- Cutting widths:
1.5 / 2.0 / 3.0 / 4.0 / 5.0 mm
- Available with CE4, SF5, CE6 and SK8 geometries

THE APPLICATION

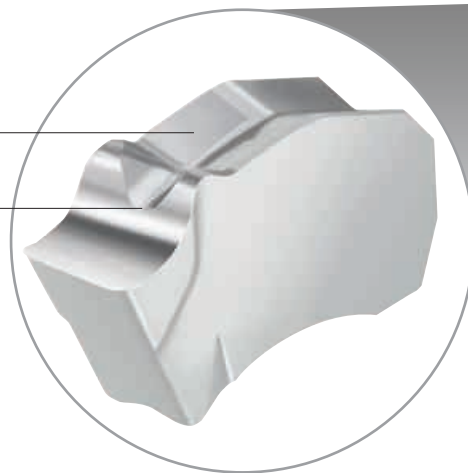
- Cutting off and slitting of aluminum, steel and cast iron, stainless steels, non-ferrous metals and difficult-to-cut materials
- Areas of use: General mechanical engineering, automotive industry, aerospace industry, etc.

THE TOOL

- Walter BLAXX F5055 slitting cutter
- Diameter range 63–250 mm
- Positive, self locking insert clamping in the body - easy to use
- Optimized top clamp with extremely high retaining forces

Prism-shaped
insert support face

Compatible with
SX grooving system



Powered by
Tiger-tec[®] Silver Walter **BLAXX**

Walter SX indexable insert

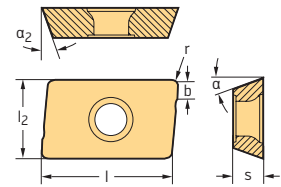
Fig.: SX-...SK8..

BENEFITS FOR YOU






- Optimal process reliability as the machining force is introduced into the most rigid part of the insert seat
- High level of radial and axial runout accuracy
- User-friendly indexable insert self-clamping system
- Low inventory costs thanks to universal system inserts (can be used in slitting cutters and groove turning holders)

Ordering information
from page 220.

Positive rhombic ADGT Tiger-tec® Gold

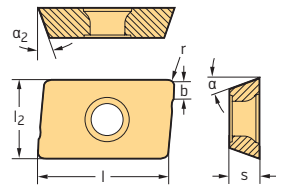


Indexable inserts



Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	α ₂	r inch	b inch	P					M			K				N		S			
										HC					HC			HC				HC	HW	HC			
										WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45
 ADGT0803PER-D51	G	2	.266	.375	.132	15°	20°	.016	.047	☉	☉	☉	☉		☉			☉	☉	☉				☉	☉		
ADGT1204PER-D51	G	2	.331	.535	.187	15°	20°	.031	.047	☉	☉	☉	☉		☉			☉	☉	☉				☉	☉		
ADGT1606PER-D51	G	2	.425	.689	.242	15°	20°	.031	.063	☉	☉	☉	☉		☉			☉	☉	☉				☉	☉		
ADGT1807PER-D51	G	2	.571	.748	.276	15°	17°	.047	.071	☉	☉	☉	☉		☉			☉	☉	☉				☉	☉		
 ADGT0803PER-D56	G	2	.266	.375	.132	15°	20°	.016	.047				☉		☉											☉	☉
ADGT1204PER-D56	G	2	.331	.535	.187	15°	20°	.031	.047	☉	☉	☉	☉		☉			☉	☉	☉					☉	☉	
ADGT1606PER-D56	G	2	.425	.689	.242	15°	20°	.031	.063	☉	☉	☉	☉		☉			☉	☉	☉					☉	☉	
ADGT1807PER-D56	G	2	.571	.748	.276	15°	17°	.047	.071	☉	☉	☉	☉		☉			☉	☉	☉					☉	☉	
 ADGT10T3PER-D67	G	2	.285	.445	.150	15°	15°	.031	.047			☉	☉		☉											☉	☉
ADGT10T316R-D67	G	2	.285	.445	.150	15°	15°	.063	.047			☉	☉		☉											☉	☉
ADGT10T325R-D67	G	2	.285	.445	.150	15°	15°	.098	.039			☉	☉		☉											☉	☉
ADGT10T330R-D67	G	2	.285	.445	.150	15°	15°	.118	.031			☉	☉		☉											☉	☉
ADGT10T332R-D67	G	2	.285	.445	.150	15°	15°	.126	.031			☉	☉		☉											☉	☉
ADGT1204PER-D67	G	2	.331	.535	.187	15°	20°	.031	.047			☉	☉		☉											☉	☉
ADGT120416R-D67	G	2	.331	.535	.187	15°	20°	.063	.039			☉	☉		☉											☉	☉
ADGT120430R-D67	G	2	.331	.535	.187	15°	20°	.118	.031			☉	☉		☉											☉	☉
ADGT1606PER-D67	G	2	.425	.689	.242	15°	20°	.031	.063			☉	☉		☉											☉	☉
ADGT160616R-D67	G	2	.425	.689	.242	15°	20°	.063	.039			☉	☉		☉											☉	☉
ADGT160630R-D67	G	2	.425	.689	.242	15°	20°	.118	.031			☉	☉		☉											☉	☉
 ADGT0803PER-F56	G	2	.266	.375	.132	15°	20°	.016	.047				☉		☉											☉	☉
ADGT080308R-F56	G	2	.266	.375	.132	15°	20°	.031	.047				☉		☉											☉	☉
ADGT120404R-F56	G	2	.331	.535	.187	15°	20°	.016	.047				☉		☉											☉	☉
ADGT1204PER-F56	G	2	.331	.535	.187	15°	20°	.031	.047				☉		☉											☉	☉
ADGT120430R-F56	G	2	.331	.535	.187	15°	20°	.118	.031				☉		☉											☉	☉
ADGT120440R-F56	G	2	.331	.535	.187	15°	20°	.157	.016				☉		☉											☉	☉
ADGT1606PER-F56	G	2	.425	.689	.242	15°	20°	.031	.063				☉		☉											☉	☉
ADGT160612R-F56	G	2	.425	.689	.242	15°	20°	.047	.063				☉		☉											☉	☉
ADGT160616R-F56	G	2	.425	.689	.242	15°	20°	.063	.055				☉		☉											☉	☉
ADGT160620R-F56	G	2	.425	.689	.242	15°	20°	.079	.055				☉		☉											☉	☉
ADGT160632R-F56	G	2	.425	.689	.242	15°	20°	.126	.047				☉		☉											☉	☉
ADGT160640R-F56	G	2	.425	.689	.242	15°	20°	.157	.039				☉		☉											☉	☉
ADGT160650R-F56	G	2	.425	.689	.242	15°	20°	.197	.016				☉		☉											☉	☉
ADGT160660R-F56	G	2	.425	.689	.242	15°	20°	.236	.016				☉		☉											☉	☉
 ADGT10T3PER-G77	G	2	.285	.445	.150	15°	15°	.031	.047				☉		☉											☉	☉
ADGT1204PER-G77	G	2	.331	.535	.187	15°	20°	.031	.047				☉		☉											☉	☉
ADGT1606PER-G77	G	2	.425	.689	.242	15°	20°	.031	.047				☉		☉											☉	☉

HC = Coated carbide
HW = Uncoated carbide

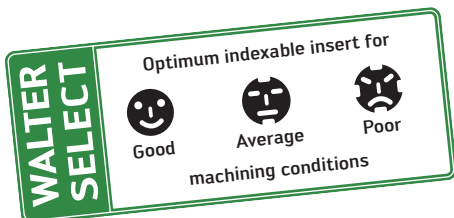
Positive rhombic ADHT / ADKT Tiger-tec® Gold



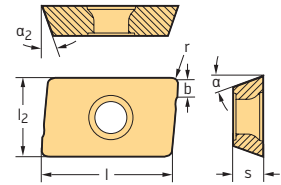
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	α ₂	r inch	b inch	P					M			K				N		S			
										WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45
 ADHT0803PER-G88	H	2	.266	.375	.132	15°	20°	.016	.047													☺	☺				
ADHT0803PEL-G88	H	2	.266	.375	.132	15°	20°	.016	.047													☺	☺				
ADHT10T3PER-G88	H	2	.285	.445	.150	15°	15°	.031	.047													☺	☺				
ADHT1204PER-G88	H	2	.331	.535	.187	15°	20°	.031	.047													☺	☺				
ADHT1204PEL-G88	H	2	.331	.535	.187	15°	20°	.031	.047													☺	☺				
ADHT120416R-G88	H	2	.331	.535	.187	15°	20°	.063	.039													☺	☺				
ADHT120416L-G88	H	2	.331	.535	.187	15°	20°	.063	.039													☺	☺				
ADHT120425R-G88	H	2	.331	.535	.187	15°	20°	.098	.031													☺	☺				
ADHT120425L-G88	H	2	.331	.535	.187	15°	20°	.098	.031													☺	☺				
ADHT120430R-G88	H	2	.331	.535	.187	15°	20°	.118	.031													☺	☺				
ADHT120430L-G88	H	2	.331	.535	.187	15°	20°	.118	.031													☺	☺				
ADHT120440R-G88	H	2	.331	.535	.187	15°	20°	.157	.016													☺	☺				
ADHT120440L-G88	H	2	.331	.535	.187	15°	20°	.157	.016													☺	☺				
ADHT1606PER-G88	H	2	.425	.689	.242	15°	20°	.031	.063													☺	☺				
ADHT1606PEL-G88	H	2	.425	.689	.242	15°	20°	.031	.063													☺	☺				
ADHT160616R-G88	H	2	.425	.689	.242	15°	20°	.063	.055													☺	☺				
ADHT160616L-G88	H	2	.425	.689	.242	15°	20°	.063	.055													☺	☺				
ADHT160625R-G88	H	2	.425	.689	.242	15°	20°	.098	.047													☺	☺				
ADHT160625L-G88	H	2	.425	.689	.242	15°	20°	.098	.047													☺	☺				
ADHT160630R-G88	H	2	.425	.689	.242	15°	20°	.118	.047													☺	☺				
ADHT160640R-G88	H	2	.425	.689	.242	15°	20°	.157	.039													☺	☺				
ADHT160640L-G88	H	2	.425	.689	.242	15°	20°	.157	.039													☺	☺				
 ADKT0803PER-F56	K	2	.266	.375	.132	15°	20°	.016	.047	☺	☺	☺			☺						☺	☺				☺	
ADKT0803PEL-F56	K	2	.266	.375	.132	15°	20°	.016	.047			☺	☺			☺					☺	☺				☺	
ADKT10T3PER-F56	K	2	.285	.445	.150	15°	15°	.031	.047	☺	☺	☺			☺						☺	☺				☺	
ADKT1204PER-F56	K	2	.331	.535	.187	15°	20°	.031	.047	☺	☺	☺			☺						☺	☺				☺	
ADKT1204PEL-F56	K	2	.331	.535	.187	15°	20°	.031	.047			☺	☺			☺					☺	☺				☺	
ADKT1606PER-F56	K	2	.425	.689	.242	15°	20°	.031	.063	☺	☺	☺			☺						☺	☺				☺	
ADKT1606PEL-F56	K	2	.425	.689	.242	15°	20°	.031	.063			☺	☺			☺					☺	☺				☺	

HC = Coated carbide
HW = Uncoated carbide



Positive rhombic
ADMT
Tiger-tec® Gold



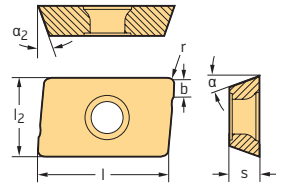
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	α ₂	r inch	b inch	P					M				K				S						
										HC					HC				HC				HC						
										WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSM45X	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X	WSP45S	WSP45		
ADMT080304R-D56	M	2	.266	.375	.132	15°	20°	.016	.047	☺	☺	☺	☺	☺			☺		☺	☺	☺	☺			☺				
ADMT120408R-D56	M	2	.331	.535	.187	15°	20°	.031	.047	☺	☺	☺	☺	☺			☺		☺	☺	☺	☺			☺				
ADMT160608R-D56	M	2	.425	.689	.242	15°	20°	.031	.063	☺	☺	☺	☺	☺			☺		☺	☺	☺	☺			☺				
ADMT180712R-D56	M	2	.571	.748	.276	15°	17°	.047	.071	☺	☺	☺	☺	☺			☺		☺	☺	☺	☺			☺				



HC = Coated carbide

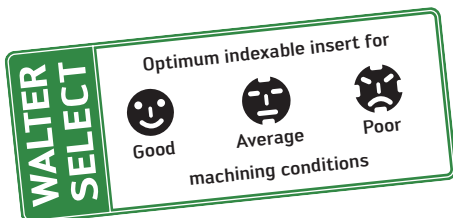
**Positive rhombic
ADMT**
Tiger-tec® Gold



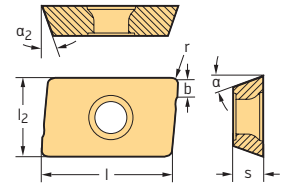
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	α ₂	r inch	b inch	P					M				K					S				
										HC					HC				HC				HC					
										WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSM45X	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X	WSP45S	WSP45	
ADMT080302R-F56	M	2	.266	.375	.132	15°	20°	.008	.047																			
ADMT080304R-F56	M	2	.266	.375	.132	15°	20°	.016	.047	☺	☹	☹	☹	☹					☺	☺	☺	☹	☹	☹	☹	☹	☹	☹
ADMT080304L-F56	M	2	.266	.375	.132	15°	20°	.016	.047																			
ADMT080308R-F56	M	2	.266	.375	.132	15°	20°	.031	.047					☹														☹
ADMT080308L-F56	M	2	.266	.375	.132	15°	20°	.031	.047																			
ADMT080312R-F56	M	2	.266	.375	.132	15°	20°	.047	.039																			
ADMT080316R-F56	M	2	.266	.375	.132	15°	20°	.063	.039																			
ADMT080320R-F56	M	2	.266	.375	.132	15°	20°	.079	.039																			
ADMT10T304R-F56	M	2	.285	.445	.150	15°	15°	.016	.047																			
ADMT10T308R-F56	M	2	.285	.445	.150	15°	15°	.031	.047	☺	☹	☹	☹	☹					☺	☺	☺	☹	☹	☹	☹	☹	☹	☹
ADMT10T312R-F56	M	2	.285	.445	.150	15°	15°	.047	.047																			
ADMT10T316R-F56	M	2	.285	.445	.150	15°	15°	.063	.047																			
ADMT10T320R-F56	M	2	.285	.445	.150	15°	15°	.079	.039																			☹
ADMT10T325R-F56	M	2	.285	.445	.150	15°	15°	.098	.039																			
ADMT10T330R-F56	M	2	.285	.445	.150	15°	15°	.118	.031																			
ADMT10T332R-F56	M	2	.285	.445	.150	15°	15°	.126	.031																			
ADMT120404R-F56	M	2	.331	.535	.187	15°	20°	.016	.047																			
ADMT120408R-F56	M	2	.331	.535	.187	15°	20°	.031	.047	☺	☹	☹	☹	☹					☺	☺	☺	☹	☹	☹	☹	☹	☹	☹
ADMT120408L-F56	M	2	.331	.535	.187	15°	20°	.031	.047																			
ADMT120412R-F56	M	2	.331	.535	.187	15°	20°	.047	.047																			
ADMT120416R-F56	M	2	.331	.535	.187	15°	20°	.063	.039																			
ADMT120416L-F56	M	2	.331	.535	.187	15°	20°	.063	.039																			
ADMT120420R-F56	M	2	.331	.535	.187	15°	20°	.079	.039																			
ADMT120425R-F56	M	2	.331	.535	.187	15°	20°	.098	.031																			
ADMT120425L-F56	M	2	.331	.535	.187	15°	20°	.098	.031																			
ADMT120430R-F56	M	2	.331	.535	.187	15°	20°	.118	.031																			
ADMT120430L-F56	M	2	.331	.535	.187	15°	20°	.118	.031																			
ADMT120432R-F56	M	2	.331	.535	.187	15°	20°	.126	.031																			
ADMT120440R-F56	M	2	.331	.535	.187	15°	20°	.157	.016																			
ADMT120440L-F56	M	2	.331	.535	.187	15°	20°	.157	.016																			
ADMT160608R-F56	M	2	.425	.689	.242	15°	20°	.031	.063	☺	☹	☹	☹	☹					☺	☺	☺	☹	☹	☹	☹	☹	☹	☹
ADMT160608L-F56	M	2	.425	.689	.242	15°	20°	.031	.063																			
ADMT160612R-F56	M	2	.425	.689	.242	15°	20°	.047	.063																			
ADMT160616R-F56	M	2	.425	.689	.242	15°	20°	.063	.055																			
ADMT160616L-F56	M	2	.425	.689	.242	15°	20°	.063	.055																			
ADMT160620R-F56	M	2	.425	.689	.242	15°	20°	.079	.055																			
ADMT160625R-F56	M	2	.425	.689	.242	15°	20°	.098	.047																			
ADMT160625L-F56	M	2	.425	.689	.242	15°	20°	.098	.047																			



HC = Coated carbide



Positive rhombic ADMT Tiger-tec® Gold

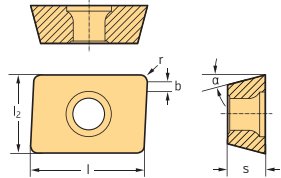


Indexable inserts



Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	α ₂	r inch	b inch	P HC					M HC				K HC				S HC											
										WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSM45X	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X	WSP45S	WSP45							
 ADMT160630R-F56	M	2	.425	.689	.242	15°	20°	.118	.047	⊗	⊗	⊗	⊗		⊗	⊗	⊗				⊗	⊗	⊗	⊗										
ADMT160630L-F56	M	2	.425	.689	.242	15°	20°	.118	.047	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT160632R-F56	M	2	.425	.689	.242	15°	20°	.126	.047	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT160640R-F56	M	2	.425	.689	.242	15°	20°	.157	.039	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT160640L-F56	M	2	.425	.689	.242	15°	20°	.157	.039	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT160650R-F56	M	2	.425	.689	.242	15°	20°	.197		⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT160660R-F56	M	2	.425	.689	.242	15°	20°	.236		⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT180712R-F56	M	2	.571	.748	.276	15°	17°	.047	.071	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
 ADMT080304R-G56	M	2	.266	.375	.132	15°	20°	.016	.047	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT10T308R-G56	M	2	.285	.445	.150	15°	15°	.031	.047	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT10T316R-G56	M	2	.285	.445	.150	15°	15°	.063	.047			⊗										⊗	⊗	⊗	⊗									
ADMT10T325R-G56	M	2	.285	.445	.150	15°	15°	.098	.039			⊗										⊗	⊗	⊗	⊗									
ADMT10T332R-G56	M	2	.285	.445	.150	15°	15°	.126	.031			⊗										⊗	⊗	⊗	⊗									
ADMT120408R-G56	M	2	.331	.535	.187	15°	20°	.031	.047	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										
ADMT160608R-G56	M	2	.425	.689	.242	15°	20°	.031	.063	⊗	⊗	⊗	⊗								⊗	⊗	⊗	⊗										

HC = Coated carbide

Positive rhombic LDMW / LDMT Tiger-tec® Gold

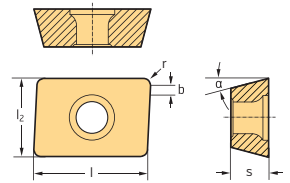


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	r inch	b inch	P HC				M HC		K HC				S HC																
									WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSP45S														
 LDMW08T204R-A57	M	2	0.240	0.350	0.102	15°	0.016	0.031	⊗	⊗	⊗	⊗					⊗	⊗	⊗	⊗															
LDMW14T308R-A57	M	2	0.381	0.555	0.161	15°	0.031	0.047	⊗	⊗	⊗	⊗					⊗	⊗	⊗	⊗															
LDMW170408R-A57	M	2	0.464	0.679	0.194	15°	0.031	0.063	⊗	⊗	⊗	⊗					⊗	⊗	⊗	⊗															
 LDMT08T204R-D51	M	2	0.240	0.350	0.102	15°	0.016	0.031	⊗	⊗	⊗	⊗					⊗	⊗	⊗	⊗															
LDMT14T308R-D51	M	2	0.381	0.555	0.161	15°	0.031	0.047	⊗	⊗	⊗	⊗					⊗	⊗	⊗	⊗															
LDMT170408R-D51	M	2	0.464	0.679	0.194	15°	0.031	0.063	⊗	⊗	⊗	⊗					⊗	⊗	⊗	⊗															

HC = Coated carbide

Positive rhombic LDMW / LDMT Tiger-tec® Gold

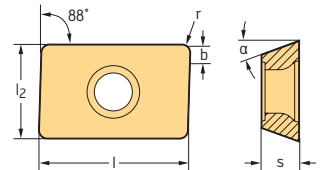


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	r inch	b inch	P				M		K				S	
									HC				HC		HC				HC	
									WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S
LDMT08T204R-D57	M	2	0.240	0.350	0.102	15°	0.016	0.031	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LDMT14T308R-D57	M	2	0.381	0.555	0.161	15°	0.031	0.047	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LDMT170408R-D57	M	2	0.464	0.679	0.194	15°	0.031	0.063	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LDMT08T204R-F57	M	2	0.240	0.350	0.102	15°	0.016	0.031	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LDMT14T308R-F57	M	2	0.381	0.555	0.161	15°	0.031	0.047	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LDMT170408R-F57	M	2	0.464	0.679	0.194	15°	0.031	0.063	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		

HC = Coated carbide

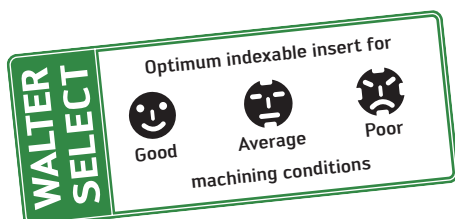
Positive rhombic LPGW / LPGT / LPMW / LPMT Tiger-tec® Silver



Indexable inserts

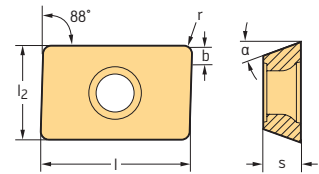
Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	r inch	b inch	P				M		K				S	
									HC				HC		HC				HC	
									WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WSM35S
LPGW070304R-A57	G	2	0.250	0.313	0.125	11°	0.016	0.047	⊕	⊕					⊕	⊕				
LPGW15T308R-A57	G	2	0.375	0.591	0.156	11°	0.031	0.055	⊕	⊕					⊕	⊕				
LPGW150412R-A57	G	2	0.500	0.625	0.187	11°	0.047	0.063	⊕	⊕					⊕	⊕				
LPGT070304R-F55	G	2	0.250	0.313	0.125	11°	0.016	0.047	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LPGT15T308R-F55	G	2	0.375	0.591	0.156	11°	0.031	0.055	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LPGT150412R-F55	G	2	0.500	0.625	0.187	11°	0.047	0.063	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		
LPGT1506PPR-F57	G	2	0.500	0.625	0.250	11°	0.047	0.063	⊕	⊕					⊕	⊕				
LPMW070304TR-A27	M	2	0.250	0.313	0.125	11°	0.016		⊕	⊕					⊕	⊕				
LPMW15T308TR-A27	M	2	0.375	0.591	0.156	11°	0.031		⊕	⊕					⊕	⊕				
LPMW150412TR-A27	M	2	0.500	0.625	0.187	11°	0.047		⊕	⊕					⊕	⊕				
LPMW150612TR-A27	M	2	0.500	0.625	0.250	11°	0.047		⊕	⊕					⊕	⊕				

HC = Coated carbide





Positive rhombic LPGW / LPGT / LPMW / LPMT

Tiger-tec® Silver



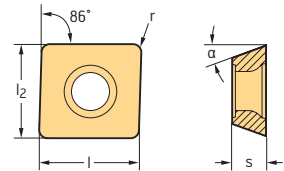
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	r inch	b inch	P				M		K			S	
									HC				HC		HC			HC	
									WKP255	WKP355	WSP455	WSP45	WSM355	WSP455	WSP45	WAK15	WKK255	WKP255	WKP355
 LPMT070304R-D51	M	2	0.250	0.313	0.125	11°	0.016	0.047	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LPMT15T308R-D51	M	2	0.375	0.591	0.156	11°	0.031	0.055	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LPMT150412R-D51	M	2	0.500	0.625	0.187	11°	0.047	0.063	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
LPMT150612R-D51	M	2	0.500	0.625	0.250	11°	0.047		☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺
 LPMT150612R-D57	M	2	0.500	0.625	0.250	11°	0.047		☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺







HC = Coated carbide

Positive rhombic MPHX / MPHW / MPHT / MPMX / MPMT

Tiger-tec® Silver



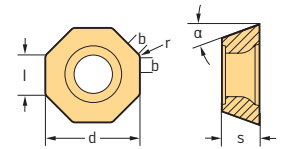
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	r inch	P				M		K			N	S	
								HC				HC		HC			HC	HC	
								WKP255	WKP355	WSP455	WSP45	WSM355	WSP455	WSP45	WAK15	WKK255	WKP255	WKP355	WXN15
 MPHX060304-A57	H	2	0.250	0.250	0.125	11°	0.016	☺	☺				☺	☺	☺				
MPHX080305-A57	H	2	0.327	0.327	0.125	11°	0.020	☺	☺				☺	☺	☺				
 MPHW120408-A57	H	2	0.500	0.500	0.187	11°	0.031	☺	☺				☺	☺	☺				
 MPHX060304-G88	H	2	0.250	0.250	0.125	11°	0.016									☺			
MPHX080305-G88	H	2	0.327	0.327	0.125	11°	0.020									☺			
 MPHT120408-G88	H	2	0.500	0.500	0.187	11°	0.031									☺			
 MPMX060304-F57	M	2	0.250	0.250	0.125	11°	0.016	☺	☺			☺			☺			☺	
MPMX080305-F57	M	2	0.327	0.327	0.125	11°	0.020	☺	☺			☺			☺			☺	
 MPMT120408-F57	M	2	0.500	0.500	0.187	11°	0.031	☺	☺	☺	☺			☺			☺	☺	

HC = Coated carbide

Positive octagonal ODHW / ODHT / ODMT / ODMW

Tiger-tec® Silver



Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	d inch	s inch	α	r inch	b inch	P			M			K			N			S		
									HC			HC			HC			CN			HC HW		
									WKP25S	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WSN10	WXN15	WK10	WSM35S	WSM45X
ODHW050408-A57	H	8	0.207	0.500	0.187	15°	0.031		☒	☒													
ODHW060512-A57	H	8	0.259	0.625	0.219	15°	0.047		☒	☒													
ODHW050412-A57	H	8	0.207	0.500	0.187	15°	0.047											☒					
ODHW060516-A57	H	8	0.259	0.625	0.219	15°	0.063											☒					
ODHT050408-F57	H	8	0.207	0.500	0.187	15°	0.031			☒	☒											☒	
ODHT060512-F57	H	8	0.259	0.625	0.219	15°	0.047			☒	☒											☒	
ODHT0504ZZN-F57	H	8	0.207	0.500	0.187	15°	0.031	0.047	☒	☒	☒											☒	
ODHT0605ZZN-F57	H	8	0.259	0.625	0.219	15°	0.031	0.063	☒	☒	☒											☒	
ODHW0504ZZN-A57	H	8	0.207	0.500	0.187	15°	0.031	0.047	☒	☒													
ODHW0605ZZN-A57	H	8	0.259	0.625	0.219	15°	0.031	0.063	☒	☒													
ODHT0504ZZN-G77	H	8	0.207	0.500	0.187	15°	0.031	0.063		☒												☒	
ODHT0605ZZN-G77	H	8	0.259	0.625	0.219	15°	0.031	0.063		☒												☒	
ODHT0605ZZN-G88	H	8	0.259	0.625	0.219	15°	0.031	0.063													☒	☒	
ODHT0504ZZN-G88	H	8	0.207	0.500	0.187	15°	0.031	0.047													☒	☒	
ODMT050408-D57	M	8	0.207	0.500	0.187	15°	0.031		☒	☒	☒											☒	
ODMT060512-D57	M	8	0.259	0.625	0.219	15°	0.047		☒	☒	☒											☒	
ODMT0504ZZN-D57	M	8	0.207	0.500	0.187	15°	0.031	0.047	☒	☒	☒	☒	☒	☒								☒	
ODMT0605ZZN-D57	M	8	0.259	0.625	0.219	15°	0.031	0.063	☒	☒	☒	☒	☒	☒								☒	
ODMW050408T-A27	M	8	0.207	0.500	0.187	15°	0.031		☒	☒													
ODMW060508T-A27	M	8	0.259	0.625	0.219	15°	0.031		☒	☒													
ODMW050408-A57	M	8	0.207	0.500	0.187	15°	0.031		☒	☒													
ODMW060508-A57	M	8	0.259	0.625	0.219	15°	0.031		☒	☒													

HC = Coated carbide
 CN = Silicon nitride Si₃N₄
 HW = Uncoated carbide

WALTER SELECT

Optimum indexable insert for

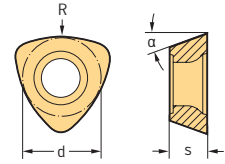
☒
Good

☒
Average



☒
Poor

machining conditions

Positive triangular P26315 / P26325 Tiger-tec® Silver

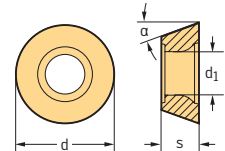


Indexable inserts



Designation	Tolerance class	Number of cutting edges	d inch	s inch	α	R inch	P				M			K			S		
							HC				HC			HC			HC		
							WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSP45S
 P26315R09.52	M	3	0.266	0.109	14°	0.375													
P26315R10	M	3	0.266	0.109	14°	0.394													
P26315R12	M	3	0.335	0.125	14°	0.492													
P26315R12.7	M	3	0.335	0.125	14°	0.500													
P26315R15	M	3	0.413	0.156	14°	0.591													
P26315R15.87	M	3	0.413	0.156	14°	0.625													
P26315R16	M	3	0.413	0.156	14°	0.630													
P26315R19.05	M	3	0.500	0.187	11°	0.750													
P26315R20	M	3	0.500	0.187	11°	0.787													
P26315R25	M	3	0.500	0.187	11°	0.984													
P26315R25.4	M	3	0.500	0.187	11°	1.000													
P26315R31	M	3	0.500	0.187	11°	1.240													
 P26325R25	M	3	0.512	0.219	14°	0.984													
P26325R31	M	3	0.532	0.220	14°	1.240													

HC = Coated carbide

Positive round ROGX / ROHX / ROMX Tiger-tec® Silver



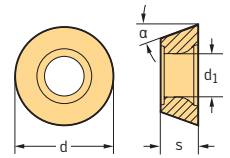
Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	s inch	α	d ₁ inch	P				M			K			S		
							HC				HC			HC			HC		
							WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSM45X	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WSM35S
 ROGX0803M0-G77	G	4	0.315	0.125	11°	0.134													
ROGX10T3M0-G77	G	4	0.394	0.156	11°	0.173													
ROGX1204M0-G77	G	4	0.472	0.187	11°	0.173													
ROGX1605M0-G77	G	6	0.630	0.219	15°	0.217													
 ROHX10T3M0T-A27	H	4	0.394	0.156	11°	0.173													
ROHX1204M0T-A27	H	4	0.472	0.187	11°	0.173													
ROHX1605M0T-A27	H	6	0.630	0.219	15°	0.217													
ROHX2006M0T-A27	H	8	0.787	0.250	15°	0.256													

HC = Coated carbide

/ ★ New addition to the product range

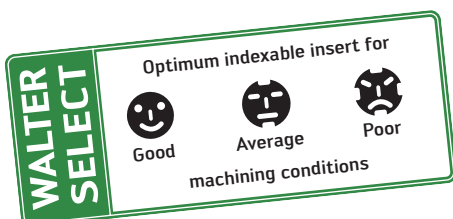
Positive round
ROGX / ROHX / ROMX
Tiger-tec® Silver



Indexable inserts

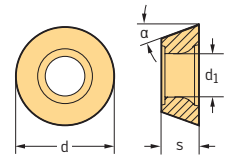
Designation	Tolerance class	Number of cutting edges	d inch	s inch	α	d1 inch	P				M				K				S			
							HC				HC				HC				HC			
							WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSM45X	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSM45X	WSP45S	WSP45
ROGX0803M0-D57	H	4	0.315	0.125	11°	0.134	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROGX10T3M0-D57	H	4	0.394	0.156	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROGX1204M0-D57	H	4	0.472	0.187	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROGX1605M0-D57	H	6	0.630	0.219	15°	0.217	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROGX2006M0-D57	H	8	0.787	0.250	15°	0.256	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROHX0803M0-D67	H	4	0.315	0.125	11°	0.134	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROHX10T3M0-D67	H	4	0.394	0.156	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROHX1204M0-D67	H	4	0.472	0.187	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROHX1605M0-D67	H	6	0.630	0.219	15°	0.217	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROHX10T3M0-F67	H	4	0.394	0.156	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROHX1204M0-F67	H	4	0.472	0.187	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX0803M0-D57	M	4	0.315	0.125	11°	0.134	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX10T3M0-D57	M	4	0.394	0.156	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX1204M0-D57	M	4	0.472	0.187	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX1605M0-D57	M	6	0.630	0.219	15°	0.217	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX2006M0-D57	M	8	0.787	0.250	15°	0.256	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX10T3M0-D67	M	4	0.394	0.156	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX1204M0-D67	M	4	0.472	0.187	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX10T3M0-F67	M	4	0.394	0.156	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
ROMX1204M0-F67	M	4	0.472	0.187	11°	0.173	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

HC = Coated carbide



Positive round RDGT / RDHW / RDMW / RDMT

Tiger-tec® Silver

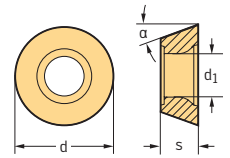


Indexable inserts

Designation	Tolerance class	d inch	s inch	α	d ₁ inch	P			M		K			N		S		H	O	
						HC			HC		HC			HC	HW	HC		HC	HF	
						WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	WHH15	WMG40
	RDGT0803M0-G85	G	0.315	0.125	15°	0.134														☺
	RDGT10T3M0-G85	G	0.394	0.156	15°	0.173														☺
	RDGT1204M0-G85	G	0.472	0.187	15°	0.173														☺
	RDGT1605M0-G85	G	0.630	0.219	15°	0.217														☺
	RDGT2006M0-G85	G	0.787	0.250	15°	0.256														☺
	RDGT0803M0-G88	G	0.315	0.125	15°	0.134							☺	☺						
	RDGT10T3M0-G88	G	0.394	0.156	15°	0.173							☺	☺						
	RDGT1204M0-G88	G	0.472	0.187	15°	0.173							☺	☺						
	RDGT1605M0-G88	G	0.630	0.219	15°	0.217							☺	☺						
	RDGT2006M0-G88	G	0.787	0.250	15°	0.256							☺	☺						
	RDHW0803M0T-A27	H	0.315	0.125	15°	0.134	☺	☺				☺	☺							
	RDHW10T3M0T-A27	H	0.394	0.156	15°	0.173	☺	☺				☺	☺							
	RDHW1204M0T-A27	H	0.472	0.187	15°	0.173	☺	☺				☺	☺							
	RDHW1605M0T-A27	H	0.630	0.219	15°	0.217	☺	☺				☺	☺							
	RDHW2006M0T-A27	H	0.787	0.250	15°	0.256	☺	☺				☺	☺							
	RDHW0803M0-A57	H	0.315	0.125	15°	0.134	☺				☺	☺								☺
	RDHW10T3M0-A57	H	0.394	0.156	15°	0.173	☺				☺	☺								☺
	RDHW1204M0-A57	H	0.472	0.187	15°	0.173	☺				☺	☺								☺
	RDHW1605M0-A57	H	0.630	0.219	15°	0.217	☺				☺	☺								☺
	RDHW2006M0-A57	H	0.787	0.250	15°	0.256	☺				☺	☺								☺
	RDMW0803M0T-A27	M	0.315	0.125	15°	0.134	☺	☺				☺	☺							
	RDMW10T3M0T-A27	M	0.394	0.156	15°	0.173	☺	☺				☺	☺							
	RDMW1204M0T-A27	M	0.472	0.187	15°	0.173	☺	☺				☺	☺							
	RDMW1605M0T-A27	M	0.630	0.219	15°	0.217	☺	☺				☺	☺							
	RDMW2006M0T-A27	M	0.787	0.250	15°	0.256	☺	☺				☺	☺							
	RDMT0803M0-D57	M	0.315	0.125	15°	0.134	☺	☺	☺	☺		☺	☺				☺	☺		
	RDMT10T3M0-D57	M	0.394	0.156	15°	0.173	☺	☺	☺	☺		☺	☺				☺	☺		
	RDMT1204M0-D57	M	0.472	0.187	15°	0.173	☺	☺	☺	☺		☺	☺				☺	☺		
	RDMT1605M0-D57	M	0.630	0.219	15°	0.217	☺	☺	☺	☺		☺	☺				☺	☺		
	RDMT2006M0-D57	M	0.787	0.250	15°	0.256	☺	☺	☺	☺		☺	☺				☺	☺		

HC = Coated carbide
 HW = Uncoated carbide
 HF = Uncoated fine-grained carbide

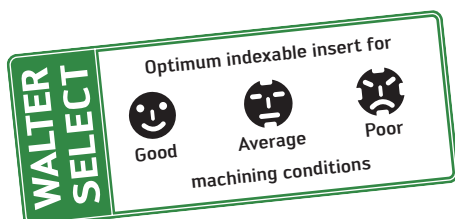
**Positive round
RDGX / RDHX / RDMX
Tiger-tec® Silver**



Indexable inserts

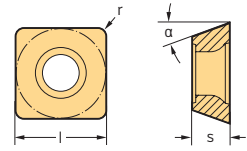
Designation	Tolerance class	d inch	s inch	α	d ₁ inch	P		M		K			S		H	O
						HC		HC		HC			HC	HC	HF	
						WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSP45S
	RDGX07T1M0-G85	G	0.276	0.078	15°	0.110										☺
	RDGX0702M0-G85	G	0.276	0.063	15°	0.110										☺
	RDGX1003M0-G85	G	0.394	0.125	15°	0.173										☺
	RDGX12T3M0-G85	G	0.472	0.156	15°	0.173										☺
	RDGX1604M0-G85	G	0.630	0.187	15°	0.217										☺
	RDHX1003M0T-A27	H	0.394	0.125	15°	0.173	☺	☺								
	RDHX12T3M0T-A27	H	0.472	0.156	15°	0.173	☺	☺								
	RDHX1604M0T-A27	H	0.630	0.187	15°	0.217	☺	☺								
	RDHX2006M0T-A27	H	0.787	0.250	15°	0.217	☺	☺								
	RDHX0501M0-A57	H	0.197	0.063	15°	0.087	☺									☺
	RDHX07T1M0-A57	H	0.276	0.078	15°	0.110	☺									☺
	RDHX0702M0-A57	H	0.276	0.063	15°	0.110										☺
	RDHX1003M0-A57	H	0.394	0.125	15°	0.173	☺									☺
	RDHX12T3M0-A57	H	0.472	0.156	15°	0.173	☺									☺
	RDHX1604M0-A57	H	0.630	0.187	15°	0.217	☺									☺
	RDMX1003M0T-A27	M	0.394	0.125	15°	0.173	☺	☺								
	RDMX12T3M0T-A27	M	0.472	0.156	15°	0.173	☺	☺								
	RDMX1604M0T-A27	M	0.630	0.187	15°	0.217	☺	☺								

HC = Coated carbide
HF = Uncoated fine-grained carbide



Positive square SDGT / SDHT / SDMW / SDMT

Tiger-tec® Gold

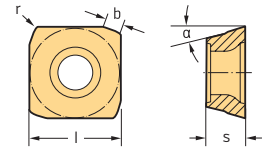


Indexable inserts


Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	P				M			K				N	S			
							HC				HC			HC				HW	HC			
							WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSM45X	WSP45S
	SDHT06T204-G88	H	4	0.250	0.109	15°	0.016															
	SDHT09T308-G88	H	4	0.375	0.156	15°	0.031															
	SDHT120408-G88	H	4	0.500	0.187	15°	0.031															
	SDMW06T204-A57	M	4	0.250	0.109	15°	0.016	☞	☞	☞												
	SDMW09T308-A57	M	4	0.375	0.156	15°	0.031	☞	☞	☞												
	SDMW120408-A57	M	4	0.500	0.187	15°	0.031	☞	☞	☞												
	SDMT06T204-D51	M	4	0.250	0.109	15°	0.016	☞	☞	☞	☞											☞
	SDMT09T308-D51	M	4	0.375	0.156	15°	0.031	☞	☞	☞	☞											☞
	SDMT120408-D51	M	4	0.500	0.187	15°	0.031	☞	☞	☞	☞											☞
				0.000	0.000		0.000															
	SDMT06T204-D57	M	4	0.250	0.109	15°	0.016	☞	☞	☞	☞	☞										☞
	SDMT09T308-D57	M	4	0.375	0.156	15°	0.031	☞	☞	☞	☞	☞										☞
	SDMT120408-D57	M	4	0.500	0.187	15°	0.031	☞	☞	☞	☞	☞										☞
	SDMT06T204-F57	M	4	0.250	0.109	15°	0.016	☞	☞	☞	☞	☞	☞									☞
	SDMT06T208-F57	M	4	0.250	0.109	15°	0.031		☞		☞											☞
	SDMT06T212-F57	M	4	0.250	0.109	15°	0.047		☞	☞	☞	☞	☞									☞
	SDMT09T308-F57	M	4	0.375	0.156	15°	0.031	☞	☞	☞	☞	☞	☞									☞
	SDMT09T312-F57	M	4	0.375	0.156	15°	0.047		☞		☞											☞
	SDMT09T316-F57	M	4	0.375	0.156	15°	0.063		☞		☞											☞
	SDMT09T320-F57	M	4	0.375	0.156	15°	0.079		☞	☞	☞	☞	☞									☞
	SDMT120408-F57	M	4	0.500	0.187	15°	0.031	☞	☞	☞	☞	☞	☞	☞								☞
	SDMT120412-F57	M	4	0.500	0.187	15°	0.047		☞		☞											☞
	SDMT120416-F57	M	4	0.500	0.187	15°	0.063		☞		☞											☞
	SDMT120420-F57	M	4	0.500	0.187	15°	0.079		☞		☞											☞
	SDMT120425-F57	M	4	0.500	0.187	15°	0.098		☞	☞	☞	☞	☞									☞

HC = Coated carbide
HW = Uncoated carbide

Positive square SDMT Tiger-tec® Gold

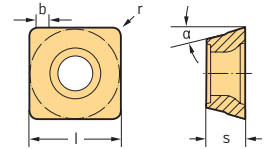


Indexable inserts


Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P				M		K				S	
								HC				HC		HC				HC	
								WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S
 SDMT06T2ZDR-D57	M	4	0.252	0.109	15°	0.016	0.047	☒	☒	☒	☒	☒							☒
SDMT09T3ZDR-D57	M	4	0.374	0.156	15°	0.031	0.047	☒	☒	☒	☒	☒							☒
SDMT1204ZDR-D57	M	4	0.500	0.187	15°	0.031	0.071	☒	☒	☒	☒	☒							☒

HC = Coated carbide

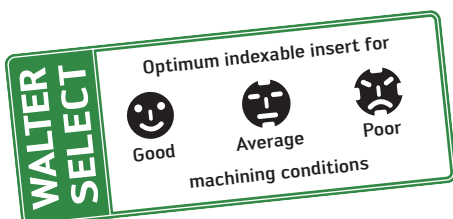
Positive square SDGT Tiger-tec® Gold



Indexable inserts

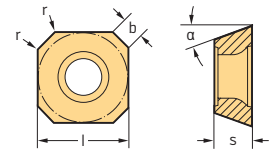
Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P				M		K				S	
								HC				HC		HC				HC	
								WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S
 SDGT06T2PDR-D57	G	4	0.252	0.109	15°	0.016	0.047	☒	☒	☒	☒	☒							☒
SDGT09T3PDR-D57	G	4	0.374	0.156	15°	0.031	0.047	☒	☒	☒	☒	☒							☒
SDGT1204PDR-D57	G	4	0.500	0.187	15°	0.031	0.063	☒	☒	☒	☒	☒							☒

HC = Coated carbide









Positive square SDMW / SDMT / SDGT

Tiger-tec® Gold



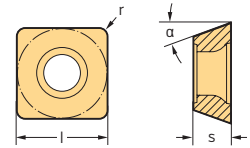
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P				M			K				N	S				
								HC	HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HC	HC			
								WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WK10	WSM35S	WSM45X	WSP45S	
 SDMW09T3AZN-A57	M	4	0.374	0.156	15°	0.012	0.047	☺	☺						☺	☺	☺	☺						
SDMW1204AZN-A57	M	4	0.500	0.187	15°	0.012	0.055	☺	☺						☺	☺	☺	☺						
 SDMT09T3AZN-D57	M	4	0.374	0.156	15°	0.012	0.047	☺	☺	☺	☺	☺	☺			☺	☺	☺				☺	☺	
SDMT1204AZN-D57	M	4	0.500	0.187	15°	0.012	0.055	☺	☺	☺	☺	☺	☺	☺		☺	☺	☺				☺	☺	☺
 SDMT09T3AZN-F57	M	4	0.374	0.156	15°	0.012	0.055	☺	☺	☺	☺	☺	☺	☺			☺	☺				☺	☺	☺
SDMT1204AZN-F57	M	4	0.500	0.187	15°	0.012	0.071	☺	☺	☺	☺	☺	☺	☺			☺	☺				☺	☺	☺
 SDGT09T3AZN-F57	G	4	0.374	0.156	15°	0.012	0.055	☺	☺	☺	☺	☺	☺	☺	☺		☺	☺				☺	☺	☺
SDGT1204AZN-F57	G	4	0.500	0.187	15°	0.012	0.071	☺	☺	☺	☺	☺	☺	☺	☺		☺	☺				☺	☺	☺
 SDGT09T3AZN-G77	G	4	0.374	0.156	15°	0.012	0.047				☺		☺											☺
SDGT1204AZN-G77	G	4	0.500	0.187	15°	0.012	0.055				☺		☺											☺
 SDHT09T3AZN-G88	H	4	0.374	0.156	15°	0.012	0.047														☺			
SDHT1204AZN-G88	H	4	0.500	0.187	15°	0.012	0.055														☺			

HC = Coated carbide
HW = Uncoated carbide

Positive square SPGT / SPHT / SPMW / SPMT / SDHW

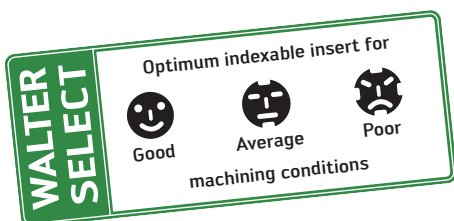
Tiger-tec® Silver



Indexable inserts

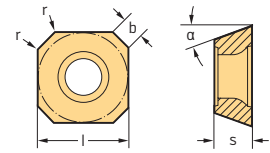
Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	P				M			K			N			S				
							HC				HC			HC			CN	HC	HW	HC				
							WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WSN10	WXN15	WK10	WSM35S	WSP45S	WSP45	
SPGT120606-F57	G	4	0.500	0.250	11°	0.024	☒	☒	☒	☒	☒				☒						☒	☒		
SPHT060304-G88	H	4	0.250	0.125	11°	0.016																☒	☒	
SPHT09T308-G88	H	4	0.375	0.156	11°	0.031																☒	☒	
SPHT120408-G88	H	4	0.500	0.187	11°	0.031																☒	☒	
SPMW060304T-A27	M	4	0.250	0.125	11°	0.016	☒	☒							☒	☒								
SPMW09T308T-A27	M	4	0.375	0.156	11°	0.031	☒	☒							☒	☒								
SPMW120408T-A27	M	4	0.500	0.187	11°	0.031	☒	☒							☒	☒								
SPMW120606T-A27	M	4	0.500	0.250	11°	0.024	☒	☒							☒	☒								
SPMW060304-A57	M	4	0.250	0.125	11°	0.016	☒	☒							☒	☒								
SPMW09T308-A57	M	4	0.375	0.156	11°	0.031	☒	☒							☒	☒								
SPMW120408-A57	M	4	0.500	0.187	11°	0.031	☒	☒							☒	☒								
SPMT060304-D51	M	4	0.250	0.125	11°	0.016	☒	☒	☒	☒	☒	☒			☒	☒						☒	☒	☒
SPMT09T308-D51	M	4	0.375	0.156	11°	0.031	☒	☒	☒	☒	☒	☒			☒	☒						☒	☒	☒
SPMT120408-D51	M	4	0.500	0.187	11°	0.031	☒	☒	☒	☒	☒	☒			☒	☒						☒	☒	☒
SPMT120606-D51	M	4	0.500	0.250	11°	0.024	☒	☒	☒			☒			☒	☒							☒	
SPMT120606-D57	M	4	0.500	0.250	11°	0.024	☒	☒	☒			☒			☒	☒							☒	
SPMT060304-F55	M	4	0.250	0.125	11°	0.016	☒	☒	☒	☒	☒	☒	☒		☒	☒						☒	☒	☒
SPMT09T308-F55	M	4	0.375	0.156	11°	0.031	☒	☒	☒	☒	☒	☒	☒		☒	☒						☒	☒	☒
SPMT120408-F55	M	4	0.500	0.187	11°	0.031	☒	☒	☒	☒	☒	☒	☒		☒	☒						☒	☒	☒
SDHW09T312-A57	H	4	0.375	0.156	15°	0.047									☒									

HC = Coated carbide
CN = Silicon nitride Si₃N₄
HW = Uncoated carbide














Positive square SPGT / SPKT / SPMW / SPMT / SDGT

Tiger-tec® Silver

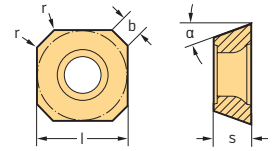


Indexable inserts






Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P				M			K			N		S				
								WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45	
 SPGT1204AEN-K88	G	4	0.500	0.187	11°		0.059											☺	☺					
 SPKT1204AZN	K	4	0.500	0.187	11°		0.055	☺	☺	☺	☺	☺	☺	☺	☺						☺	☺	☺	
 SPKT1504AZN	K	4	0.626	0.187	11°		0.067	☺														☺	☺	☺
 SPMW1204AETN-A27	M	4	0.500	0.187	11°	0.5	0.055	☺	☺															
 SPMW1204AEN-A57	M	4	0.500	0.187	11°	0.5	0.055	☺	☺						☺									
 SPMT1204AEN	M	4	0.500	0.187	11°	0.5	0.055	☺	☺	☺	☺	☺	☺	☺	☺							☺	☺	☺
 SDGT09T3AEN-F57	G	4	0.374	0.156	15°	0.3	0.047	☺	☺	☺	☺	☺	☺	☺								☺	☺	☺
 SDGT09T3AEN-G88	G	4	0.374	0.156	15°	0.3	0.047														☺	☺		
 SDHW09T3AEN-A57	H	4	0.374	0.156	15°	0.3	0.047	☺	☺						☺									
 SDMW09T3AETN-A27	M	4	0.374	0.156	15°	0.5	0.047	☺	☺															
 SDMW09T3AEN-A57	M	4	0.374	0.156	15°	0.5	0.047	☺	☺						☺									

HC = Coated carbide
HW = Uncoated carbide

Positive square
SPGT / SPKT / SPMW / SPMT / SDGT
Tiger-tec® Silver



Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P				M			K			N		S			
								HC				HC			HC			HC	HW	HC			
								WKP255	WKP355	WSP455	WSP45	WSM355	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45
 SDMT09T3AEN-D57	M	4	0.374	0.156	15°	0.020	0.047	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	
 SEHW1204AFN	H	4	0.500	0.187	20°	0.031	0.079	☹	☹				☹	☹	☹								
 SEHW1504AFN	H	4	0.626	0.187	20°	0.031	0.083	☹	☹				☹	☹	☹								
 SEHT1204AFN	H	4	0.500	0.187	20°	0.031	0.079	☹	☹	☹	☹	☹	☹		☹	☹	☹	☹	☹	☹	☹	☹	☹
 SEHT1204AFN-K88	H	4	0.500	0.187	20°	0.031	0.071									☹							

HC = Coated carbide
HW = Uncoated carbide

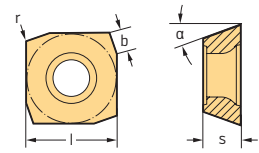
WALTER SELECT

Optimum indexable insert for



☺ Good ⚖ Average ☹ Poor

machining conditions

Positive square
SPJW / SPGT
Tiger-tec® Silver

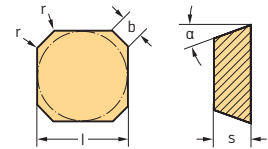


Indexable inserts




Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P				M			K			S		
								HC				HC			HC			HC		
								WKP255	WKP355	WSP455	WSP45	WSM355	WSP455	WSP45	WAK15	WKK255	WKP255	WKP355	WSM355	WSP455
 SPJW1204EDR	J	4	0.500	0.187	11°		0.055	☞	☞				☞	☞	☞					
SPJW1504EDR	J	4	0.626	0.187	11°		0.059	☞	☞				☞	☞	☞					
 SPGT1204EDR-F55	G	4	0.500	0.187	11°	0.020	0.051	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	☞	

HC = Coated carbide

Positive square
SEKN / SEKR / SEMR
Tiger-tec® Silver

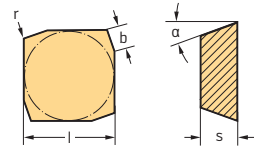


Indexable inserts






Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P			M		K			S	
								HC			HC		HC			HC	
								WKP255	WKP355	WSP455	WSM355	WSP455	WAK15	WKK255	WKP255	WKP355	WSM355
 SEKN1203AFN	K	4	0.500	0.125	20°	0.025	0.075	☞	☞			☞	☞	☞			
SEKN1504AFN	K	4	0.626	0.187	20°	0.014	0.079	☞	☞			☞	☞	☞			
 SEKR1203AFTN	K	4	0.500	0.125	20°	0.017	0.075	☞	☞				☞				
SEKR1204AFN	K	4	0.500	0.187	20°	0.013	0.075	☞	☞				☞				
 SEMR1203AFTN	M	4	0.500	0.125	20°	0.020	0.075	☞	☞				☞				

HC = Coated carbide

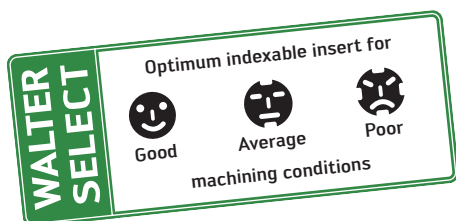
Positive square
SPFN / SPFR / SPKN / SPMN
Tiger-tec® Silver



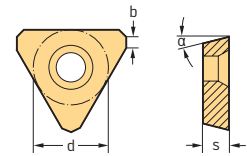
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	α	r inch	b inch	P			M		K				S	
								HC			HC		HC				HC	
								WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSP45S
 SPFN1204EDN	F	4	0.500	0.187	11°	0.020	0.067	☞	☞				☞					
SPFN1204ZPN	F	4	0.500	0.187	11°	0.031	0.067	☞	☞					☞	☞			
 SPFR1204EDR	F	4	0.500	0.187	11°	0.020	0.079	☞	☞				☞		☞			
 SPFR1204ZPR	F	4	0.500	0.187	11°	0.031	0.067	☞	☞				☞		☞			
SPFR1204ZPN	F	4	0.500	0.187	11°	0.031	0.067		☞						☞			
 SPKN1203EDR	K	4	0.500	0.125	11°		0.055	☞	☞						☞			
SPKN1204EDR	K	4	0.500	0.187	11°		0.055	☞	☞			☞		☞	☞			
SPKN1504EDR	K	4	0.626	0.187	11°		0.059		☞						☞			
 SPMN1203EDR	M	4	0.500	0.125	11°	0.008	0.055		☞						☞			

HC = Coated carbide



Positive triangular TPAW / TPJW Tiger-tec® Silver

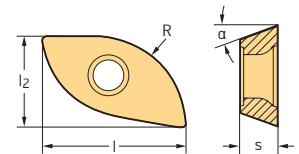


Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	s inch	α	b inch	P			M		K			S	
							HC			HC		HC			HC	
							WKP255	WKP355	WSP455	WSM355	WSP455	WAK15	WKK255	WKP255	WKP355	WSM355
 TPAW1604PPN TPAW2204PPN	A	3	0.375	0.187	11°	0.047	★	★					★	★		
	A	3	0.500	0.187	11°	0.047		★					★	★		
 TPJW1604PPN TPJW2204PPN	J	3	0.375	0.187	11°	0.047	★	★			★		★	★		
	J	3	0.500	0.187	11°	0.047		★			★		★	★		

HC = Coated carbide

Positive form inserts XDGT / XDMT Tiger-tec® Silver

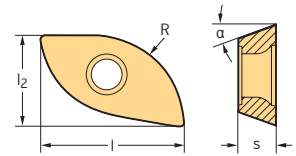


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	R inch	P			M		K			S	
								HC			HC		HC			HC	
								WKP255	WKP355	WSP455	WSP45	WSM355	WSP455	WSP45	WAK15	WKK255	WKP255
 XDGT1303080R-D57 XDGT16T3100R-D57 XDGT2004125R-D57 XDGT2405150R-D57 XDGT2506160R-D57 XDGT3207200R-D57 XDGT4009250R-D57	G	2	0.335	0.517	0.118	15°	0.315	★	★	★					★	★	
	G	2	0.354	0.627	0.147	15°	0.394	★	★	★					★	★	
	G	2	0.445	0.785	0.184	15°	0.492	★	★	★					★	★	
	G	2	0.531	0.943	0.221	15°	0.591	★	★	★					★	★	
	G	2	0.567	1.006	0.236	15°	0.630	★	★	★					★	★	
	G	2	0.709	1.258	0.295	15°	0.787	★	★	★					★	★	
	G	2	0.886	1.573	0.370	15°	0.984	★	★	★					★	★	
 XDGT1303079R-D57 XDGT16T3095R-D57 XDGT2004127R-D57 XDGT2506159R-D57 XDGT3207191R-D57 XDGT4009254R-D57	G	2	0.335	0.517	0.118	15°	0.309	★	★	★					★	★	
	G	2	0.354	0.627	0.147	15°	0.375	★	★	★					★	★	
	G	2	0.445	0.785	0.184	15°	0.500	★	★	★					★	★	
	G	2	0.567	1.006	0.236	15°	0.625	★	★	★					★	★	
	G	2	0.709	1.258	0.295	15°	0.750	★	★	★					★	★	
	G	2	0.886	1.573	0.370	15°	1.000	★	★	★					★	★	

HC = Coated carbide

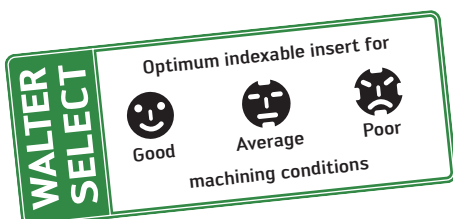
Positive form inserts XDGT / XDMT Tiger-tec® Silver



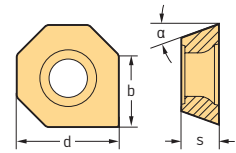
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	α	R inch	P HC				M HC			K HC				S HC		
								WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSP45S	WSP45
								Good	Average	Poor	Good	Average	Poor	Good	Average	Poor	Good	Average	Poor		
	XDMT1303080R-F55	M	2	0.335	0.517	0.118	15°	0.315	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		
	XDMT16T3100R-F55	M	2	0.354	0.627	0.147	15°	0.394	Good	Good	Good	Good	Average	Good	Good	Good	Good	Good	Good		
	XDMT2004125R-F55	M	2	0.445	0.785	0.184	15°	0.492	Good	Good	Good	Good	Average	Good	Good	Good	Good	Good	Good		
	XDMT2405150R-F55	M	2	0.531	0.943	0.221	15°	0.591	Good	Good	Good	Good	Average	Good	Good	Good	Good	Good	Good		
	XDMT2506160R-F55	M	2	0.567	1.006	0.236	15°	0.630	Good	Good	Good	Good	Average	Good	Good	Good	Good	Good	Good		
	XDMT3207200R-F55	M	2	0.709	1.258	0.295	15°	0.787	Good	Good	Good	Good	Average	Good	Good	Good	Good	Good	Good		
	XDMT4009250R-F55	M	2	0.886	1.573	0.370	15°	0.984	Good	Good	Good	Good	Average	Good	Good	Good	Good	Good	Good		
	XDMT1303079R-F55	M	2	0.335	0.517	0.118	15°	0.309	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		
	XDMT16T3095R-F55	M	2	0.354	0.627	0.147	15°	0.375	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		
	XDMT2004127R-F55	M	2	0.445	0.785	0.184	15°	0.500	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		
	XDMT2506159R-F55	M	2	0.567	1.006	0.236	15°	0.625	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		
	XDMT3207191R-F55	M	2	0.709	1.258	0.295	15°	0.750	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		
	XDMT4009254R-F55	M	2	0.886	1.573	0.370	15°	1.000	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good		




HC = Coated carbide



Finishing inserts ODHX Tiger-tec® Silver



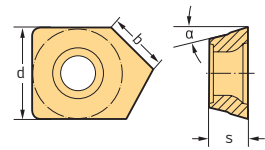
Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	s inch	α	b inch	P		M		K			S		H	O	
							HC		HC		HC			HC		HC	HC	
							WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSP45S	WHH15
 ODHX0504ZZR-A57 ODHX0605ZZR-A57	H	1	0.500	0.187	15°	0.283	☞	☞			☞					☞	☞	
	H	1	0.625	0.219	15°	0.370	☞				☞		☞				☞	☞
 ODHX0605ZZN-A57	H	8	0.625	0.219	15°	0.236					☞						☞	☞
 ODHX0605ZZN-A88	H	8	0.625	0.219	15°	0.236					☞						☞	☞

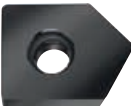
 * ZZN for $\kappa = 43^\circ$ only

HC = Coated carbide

Positive square SDHX Tiger-tec®

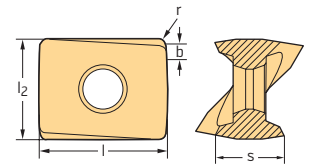


Indexable inserts



Designation	Tolerance class	Number of cutting edges	d inch	s inch	α	b inch	P		M		K			S		H	O	
							HC		HC		HC			HC		HC	HC	
							WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WSM35S	WSP45S	WHH15
 SDHX09T3AZR-A88 SDHX1204AZR-A88	H	1	0.375	0.156	15°	0.220					☞						☞	☞
	H	1	0.500	0.187	15°	0.295					☞							☞

HC = Coated carbide

Negative rhombic LNGX Tiger-tec® Gold

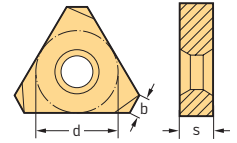


Indexable inserts

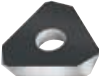


Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	b inch	P					M			K				N		S				
								HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HW	HC	HC	HC					
								WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45	
 LNGX130708R-L55	G	4	0.433	0.535	0.305	0.031	0.047	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	
LNGX130712R-L55	G	4	0.433	0.535	0.305	0.047	0.039	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	
LNGX130716R-L55	G	4	0.433	0.535	0.305	0.063	0.035	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	
LNGX130720R-L55	G	4	0.433	0.535	0.305	0.079	0.028	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	☺
LNGX130725R-L55	G	4	0.433	0.535	0.305	0.098	0.024	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	☺
LNGX130730R-L55	G	4	0.433	0.535	0.305	0.118	0.028	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺	☺
 LNGX130708R-L88	G	4	0.433	0.535	0.305	0.031	0.047															☺	☺			
LNGX130720R-L88	G	4	0.433	0.535	0.305	0.079	0.028															☺	☺			
LNGX130730R-L88	G	4	0.433	0.535	0.305	0.118	0.028															☺	☺			

HC = Coated carbide
HW = Uncoated carbide

Wendelnovex® inserts P2352 / P23522 / P2372 Tiger-tec® Silver

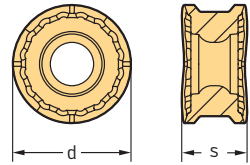


Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	s inch	b inch	P		M		K				N		S			
						HC	HC	HC	HC	HC	HC	HW	HC	HC					
						WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	
 P2352-1R	A	6	0.591	0.177	0.043	☺	☺				☺		☺	☺					
P2352-2R	A	6	0.709	0.177	0.043	☺	☺						☺	☺					
 P23522-1R	A	6	0.591	0.177	0.043	☺	☺						☺	☺					
 P2372-1R	A	6	0.591	0.177	0.043	☺	☺						☺	☺					

HC = Coated carbide
HW = Uncoated carbide

Negative round RNMX Tiger-tec® Silver

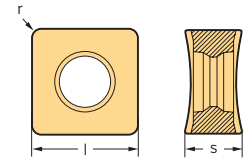


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	d inch	s inch	P		M		K			N		S	
						HC		HC		HC			HC	HW	HC	
						WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10
	RNMX1206M0-D57	M	4	0.472	0.255											
	RNMX1206M0-F67	M	4	0.472	0.255											

HC = Coated carbide
HW = Uncoated carbide

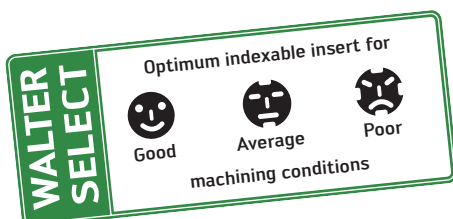
Negative square SNGX / SNMX Tiger-tec® Gold



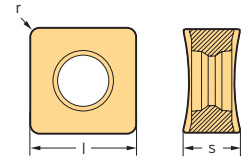
Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l inch	s inch	r inch	P		M		K			N		S	
							HC		HC		HC			HC	HW	HC	
							WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S
	SNGX120512-F57	G	8	0.500	0.252	0.047											
	SNMX120512-D27	M	8	0.500	0.252	0.047											
	SNMX120520-D27	M	8	0.500	0.252	0.079											
	SNMX160620-D27	M	8	0.630	0.307	0.079											
	SNMX160640-D27	M	8	0.630	0.307	0.157											
	SNMX120512-F27	M	8	0.500	0.252	0.047											
	SNMX160620-F27	M	8	0.630	0.307	0.079											

HC = Coated carbide
HW = Uncoated carbide



Negative square SNGX / SNMX Tiger-tec® Gold

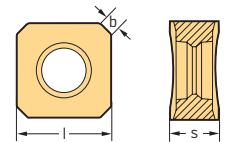


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	r inch	P					M		K				N		S	
						HC					HC		HC				HC	HW	HC	
						WKP25S	WKP35G	WKP35S	WSP45S	WSP45S	WSP45S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S
	SNMX120512-F57	M	8	0.500	0.252	0.047	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNMX120520-F57	M	8	0.500	0.252	0.079	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNMX160620-F57	M	8	0.630	0.307	0.079	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNMX160640-F57	M	8	0.630	0.307	0.157	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNMX120512-F67	M	8	0.500	0.252	0.047	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	

HC = Coated carbide
HW = Uncoated carbide

Negative square SNGX / SNHX / SNMX Tiger-tec® Gold



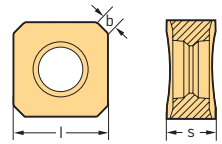
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	b inch	P					M		K				N		S	
						HC					HC		HC				HC	HW	HC	
						WKP25S	WKP35G	WKP35S	WSP45S	WSP45S	WSP45S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S
	SNGX1205ANN-D27	G	8	0.500	0.252	0.059	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1606ANN-D27	G	8	0.630	0.303	0.071	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1205ANN-F27	G	8	0.500	0.252	0.059	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1606ANN-F27	G	8	0.630	0.303	0.071	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1205ANN-F57	G	8	0.500	0.252	0.059	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1606ANN-F57	G	8	0.630	0.303	0.071	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1205ANN-F67	G	8	0.500	0.252	0.059	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	
	SNGX1606ANN-F67	G	8	0.630	0.303	0.071	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	





HC = Coated carbide
HW = Uncoated carbide

Negative square SNGX / SNHX / SNMX

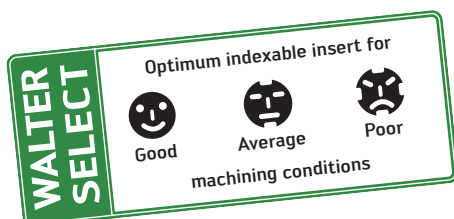
Tiger-tec® Gold



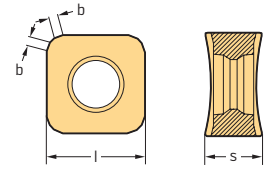
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	b inch	P					M			K				N		S		
						HC					HC			HC				HC	HW	HC		
						WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S
 SNHX1205ANN-K88	H	8	0.500	0.252	0.059													☺	☺			
 SNMX1205ANN-F27	M	8	0.500	0.252	0.059	☺	☺							☺	☺							
 SNMX1205ANN-F57	M	8	0.500	0.252	0.059	☺	☺	☺						☺	☺	☺	☺					
 SNMX1205ANN-F67	M	8	0.500	0.252	0.059	☺	☺							☺	☺	☺						

HC = Coated carbide
HW = Uncoated carbide



Negative square
SNGX
Tiger-tec® Gold

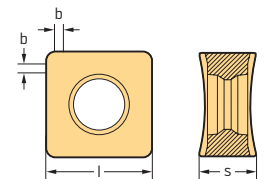


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	b inch	P					M			K				N		S					
						WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45		
SNGX1205ENN-F27	G	8	0.500	0.252	0.047	☺		☹																	
SNGX1205ENN-F57	G	8	0.500	0.252	0.047	☺	☹	☹	☹		☹	☹												☹	☹
SNGX1205ENN-F67	G	8	0.500	0.252	0.047	☺	☹		☹		☹	☹		☺										☹	☹

HC = Coated carbide
HW = Uncoated carbide

Negative square
SNGX
Tiger-tec® Gold



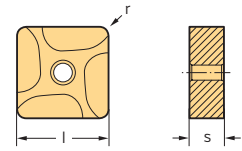
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	b inch	P					M		K				N		S						
						WKP25S	WKP35G	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S				
SNGX1205ZNN-F27	G	8	0.500	0.252	0.047	☺		☹																	
SNGX1205ZNN-F57	G	8	0.500	0.252	0.047	☺	☹	☹	☹	☹	☹													☹	☹
SNGX1205ZNN-F67	G	8	0.500	0.252	0.047	☺		☹	☹	☹	☹		☺											☹	☹

HC = Coated carbide
HW = Uncoated carbide

☹ ☹ ☹ / ★ New addition to the product range

Negative square SNEF Tiger-tec® Silver

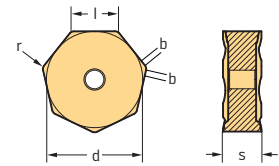


Indexable inserts

	Designation	Tolerance class	Number of cutting edges	l inch	s inch	r inch	b inch	P			M		K			N		S			
								HC	HC	HC	HC	HC	HC	HW	HC	HC					
								WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	
	SNEF120408R-B67	E	8	0.500	0.187	0.031	0.083	☺	☺					☺	☺	☺					
	SNEF120408R-D67	E	8	0.500	0.187	0.031	0.083	☺	☺				☺	☺	☺						

HC = Coated carbide
HW = Uncoated carbide

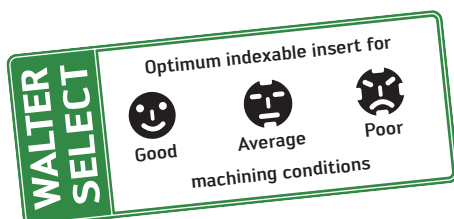
Negative heptagonal XNHF Tiger-tec® Silver



Indexable inserts

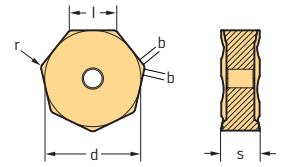
	Designation	Tolerance class	Number of cutting edges	d inch	l inch	s inch	r inch	b inch	P			M		K			N		S			
									HC	HC	HC	HC	HC	HC	HW	HC	HC					
									WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	
	XNHF070508-D27	H	14	0.571	0.276	0.228	0.031								☺	☺	☺					
	XNHF090612-D27	H	14	0.750	0.354	0.250	0.047								☺	☺	☺					
	XNHF070508-D57	H	14	0.571	0.276	0.228	0.031								☺	☺	☺					
	XNHF090612-D57	H	14	0.750	0.354	0.250	0.047								☺	☺	☺					
	XNHF070508-D67	H	14	0.571	0.276	0.228	0.031							☺	☺	☺						
	XNHF090612-D67	H	14	0.750	0.354	0.250	0.047							☺	☺	☺						

HC = Coated carbide
HW = Uncoated carbide






Negative heptagonal XNMF

Tiger-tec® Silver



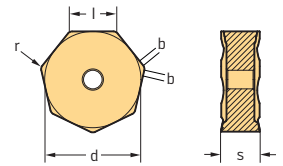
Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	l inch	s inch	r inch	b inch	P			M		K			N		S		
								HC			HC		HC			HC	HW	HC		
								WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S
 XNMF070508-D27	M	14	0.571	0.276	0.228	0.031								☺	☺	☺				
 XNMF070508-D57	M	14	0.571	0.276	0.228	0.031								☺	☺	☺				
 XNMF070508-F57	M	14	0.571	0.276	0.228	0.031								☺	☺	☺				







HC = Coated carbide
HW = Uncoated carbide

Negative heptagonal XNHF

Tiger-tec® Silver



Indexable inserts

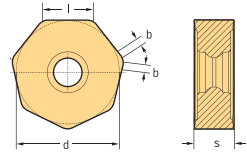
Designation	Tolerance class	Number of cutting edges	d inch	l inch	s inch	r inch	b inch	P			M		K			N		S		
								HC			HC		HC			HC	HW	HC		
								WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S
 XNHF0705ANN-D27	H	14	0.571	0.276	0.228	0.031	0.043							☺	☺	☺				
 XNHF0906ANN-D27	H	14	0.750	0.354	0.250	0.031	0.055							☺	☺	☺				
 XNHF0705ANN-D57	H	14	0.571	0.276	0.228	0.031	0.043							☺	☺	☺				
 XNHF0906ANN-D57	H	14	0.750	0.354	0.250	0.031	0.055							☺	☺	☺				
 XNHF0705ANN-D67	H	14	0.571	0.276	0.228	0.031	0.043							☺	☺	☺				
 XNHF0906ANN-D67	H	14	0.750	0.354	0.250	0.031	0.055							☺	☺	☺				

HC = Coated carbide
HW = Uncoated carbide











☺ / ★ New addition to the product range

Negative heptagonal XNGU / XNMU

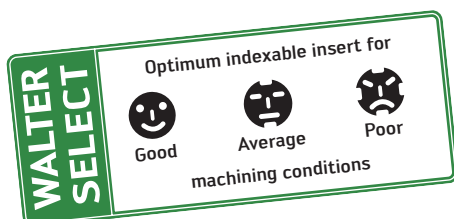
Tiger-tec® Gold



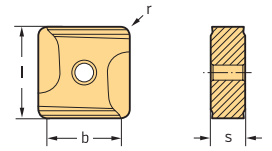
Indexable inserts

Designation	Tolerance class	Number of cutting edges	d inch	l inch	s inch	r inch	b inch	P				M		K			N		S	
								HC				HC		HC			HC	HW	HC	
								WKP255	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10
 XNGU0705ANN-F57	G	14	0.571	0.275	0.181	0.031	0.043	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNGU0705ANN-F67	G	14	0.571	0.275	0.181	0.031	0.043	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU0705ANN-F27	M	14	0.571	0.275	0.181	0.031	0.043	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU0906ANN-F27	M	14	0.750	0.361	0.231	0.031	0.055	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU0705ANN-F57	M	14	0.571	0.275	0.181	0.031	0.043	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU0906ANN-F57	M	14	0.750	0.361	0.231	0.031	0.055	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU0705ANN-F67	M	14	0.571	0.275	0.181	0.031	0.043	☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU0906ANN-F67	M	14	0.750	0.361	0.231	0.031	0.055	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU070508-F57	M	14	0.571	0.275	0.181	0.031		☺	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
 XNMU090612-F57	M	14	0.750	0.361	0.231	0.047		☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹

HC = Coated carbide
HW = Uncoated carbide



Finishing inserts SNEF Tiger-tec®



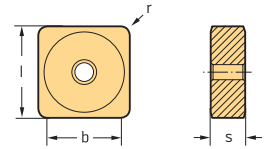
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l inch	s inch	r inch	b inch	P			M		K			N		S		H
							WKP25S	WKP35S	WSP45S	WSP35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S
SNEF1204PNR-B67	E	4	0.500	0.187	0.031	0.425													



HC = Coated carbide
HW = Uncoated carbide

Finishing inserts SNEF Tiger-tec®



Indexable inserts

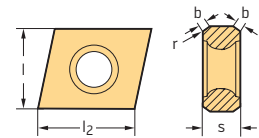
Designation	Tolerance class	Number of cutting edges	l inch	s inch	r inch	b inch	P			M		K			N		S		H
							WKP25S	WKP35S	WSP45S	WSP35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S
SNEF1204PNN-A27	E	8	0.500	0.187	0.047	0.406													



HC = Coated carbide
HW = Uncoated carbide

Tangential rhombic CNHQ / CNHU / CNMU

Tiger-tec® Silver



Indexable inserts

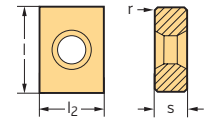
Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	b inch	P				M		K			N		S	
								HC				HC		HC			HC	HW	HC	
								WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10
 CNHQ0805PPN-A57T	H	2	0.354	0.315	0.197	0.031	0.047	☞	☞				☞	☞	☞					
CNHQ1206PPN-A57T	H	2	0.512	0.472	0.256	0.031	0.059	☞	☞				☞	☞	☞					
CNHQ1608PPN-A57T	H	2	0.591	0.630	0.315	0.047	0.071	☞						☞	☞					
 CNHU0805PPN-D57T	H	2	0.354	0.315	0.197	0.031	0.047	☞	☞	☞	☞			☞	☞				☞	
CNHU1206PPN-D57T	H	2	0.512	0.472	0.256	0.031	0.059	☞	☞	☞	☞			☞	☞				☞	
CNHU1608PPN-D57T	H	2	0.591	0.630	0.315	0.047	0.071	☞		☞				☞	☞				☞	
 CNMU080508-D57T	M	2	0.354	0.315	0.197	0.031		☞	☞	☞	☞			☞	☞			☞	☞	
CNMU120608-D57T	M	2	0.512	0.472	0.256	0.031		☞	☞	☞	☞			☞	☞			☞	☞	
CNMU160812-D57T	M	2	0.591	0.630	0.315	0.047		☞	☞	☞	☞			☞	☞			☞	☞	

Note: l₂ = Cutting width



HC = Coated carbide
HW = Uncoated carbide

Tangential rhombic LNMU

Tiger-tec® Silver



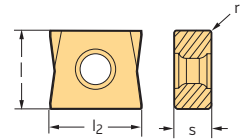
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	P				M		K			N		S	
							HC				HC		HC			HC	HW	HC	
							WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S
 LNMU150812T-F27T	M	4	0.551	0.591	0.315	0.047	☞	☞					☞	☞					
LNMU201012T-F27T	M	4	0.630	0.787	0.315	0.047	☞	☞					☞	☞					
 LNMU150812-F57T	M	4	0.551	0.591	0.315	0.047	☞	☞	☞	☞			☞	☞				☞	
LNMU201012-F57T	M	4	0.630	0.787	0.394	0.047	☞	☞	☞	☞			☞	☞				☞	





HC = Coated carbide
HW = Uncoated carbide

Tangential rhombic LNHU / LNMU

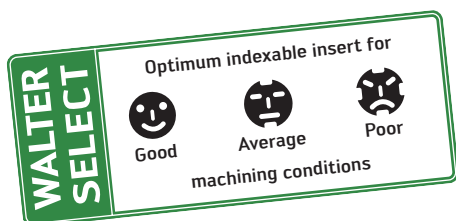
Tiger-tec® Silver



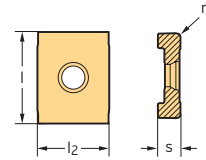
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	P				M		K			N		S	
							HC				HC		HC			HC	HW	HC	
							WKP255	WKP355	WSP455	WSP45	WSM355	WSP455	WSP45	WAK15	WKK255	WKP255	WKP355	WXN15	WK10
 LNHU080304-B57T	H	4	0.354	0.315	0.138	0.016	☺	☺	☺	☺			☺	☺	☺				
LNHU080404-B57T	H	4	0.370	0.315	0.177	0.016	☺	☺	☺				☺	☺	☺				
LNHU100508-B57T	H	4	0.484	0.394	0.217	0.031	☺	☺	☺				☺	☺	☺				
LNHU120608-B57T	H	4	0.547	0.472	0.256	0.031	☺	☺	☺				☺	☺	☺				
LNHU160812-B57T	H	4	0.665	0.630	0.315	0.047	☺	☺	☺				☺	☺	☺				
 LNHU080304-F57T	H	4	0.354	0.315	0.138	0.016	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNHU080404-F57T	H	4	0.370	0.315	0.177	0.016	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNHU100508-F57T	H	4	0.484	0.394	0.217	0.031	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNHU120608-F57T	H	4	0.547	0.472	0.256	0.031	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNHU160812-F57T	H	4	0.665	0.630	0.315	0.047	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
 LNMU080304-B57T	M	4	0.354	0.315	0.138	0.016	☺	☺	☺				☺	☺	☺				
LNMU080404-B57T	M	4	0.370	0.315	0.177	0.016	☺	☺	☺				☺	☺	☺				
LNMU100508-B57T	M	4	0.484	0.394	0.217	0.031	☺	☺	☺				☺	☺	☺				
LNMU120608-B57T	M	4	0.547	0.472	0.256	0.031	☺	☺	☺				☺	☺	☺				
LNMU160812-B57T	M	4	0.665	0.630	0.315	0.047	☺	☺	☺				☺	☺	☺				
 LNMU080304-F57T	M	4	0.354	0.315	0.138	0.016	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNMU080404-F57T	M	4	0.370	0.315	0.177	0.016	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNMU100508-F57T	M	4	0.484	0.394	0.217	0.031	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNMU120608-F57T	M	4	0.547	0.472	0.256	0.031	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺
LNMU160812-F57T	M	4	0.665	0.630	0.315	0.047	☺	☺	☺	☺	☺	☺	☺	☺	☺			☺	☺

HC = Coated carbide
HW = Uncoated carbide



Tangential rhombic LNHX / LNMX Tiger-tec® Silver

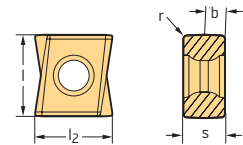


Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	P				M			K			N		S				
							HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HC						
							WKP25S	WKP35S	WSP45S	WSP45	WSM35S	WSP45S	WSP45	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S	WSP45	
LNHX070204-D57T	H	4	0.276	0.354	0.094	0.016	☺	☺						☺	☺	☺	☺						
LNHX070204-F57T	H	4	0.276	0.354	0.094	0.016	☺	☺	☺	☺	☺	☺	☺		☺	☺	☺				☺	☺	☺
LNMX070204-D57T	M	4	0.276	0.354	0.094	0.016	☺	☺						☺	☺	☺	☺						
LNMX070204-F57T	M	4	0.276	0.354	0.094	0.016	☺	☺	☺	☺	☺	☺	☺		☺	☺	☺				☺	☺	☺

HC = Coated carbide
HW = Uncoated carbide

Tangential rhombic LNHU / LNMU Tiger-tec® Gold



Indexable inserts

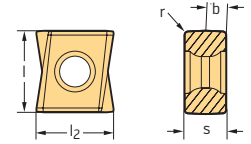
Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	b inch	P				M			K			N		S			
								HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HC					
								WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WXN15	WK10	WSM35S	WSP45S	
LNHU090404R-L55T	H	4	0.335	0.354	0.177	0.016	0.059	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺
LNHU090408R-L55T	H	4	0.335	0.354	0.177	0.031	0.043	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺
LNHU090412R-L55T	H	4	0.335	0.354	0.177	0.047	0.031		☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU090416R-L55T	H	4	0.335	0.354	0.177	0.063			☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU090420R-L55T	H	4	0.335	0.354	0.177	0.079			☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU130608R-L55T	H	4	0.472	0.512	0.268	0.031	0.087	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				☺	☺
LNHU130612R-L55T	H	4	0.472	0.512	0.268	0.047	0.075		☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU130616R-L55T	H	4	0.472	0.512	0.268	0.063	0.059		☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU130620R-L55T	H	4	0.472	0.512	0.268	0.079	0.047		☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU130625R-L55T	H	4	0.472	0.512	0.268	0.098	0.028		☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU130630R-L55T	H	4	0.472	0.512	0.268	0.118			☺	☺	☺	☺	☺				☺	☺				☺	☺
LNHU130632R-L55T	H	4	0.472	0.512	0.268	0.126			☺	☺	☺	☺	☺				☺	☺				☺	☺

HC = Coated carbide
HW = Uncoated carbide

☺ / ★ New addition to the product range

Tangential rhombic LNHU / LNMU

Tiger-tec® Gold



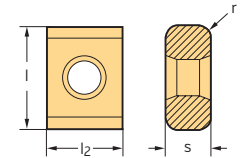
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	b inch	P				M		K			N		S	
								HC				HC		HC			HC	HW	HC	
								WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKP25S	WKP25S	WKP35G	WKP35S	WXN15	WK10
	LNHU160708R-L55T	H	4	0.610	0.630	0.283	0.031	0.091	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	LNHU160712R-L55T	H	4	0.610	0.630	0.283	0.047	0.075	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	LNHU160716R-L55T	H	4	0.610	0.630	0.283	0.063	0.063	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	LNHU160720R-L55T	H	4	0.610	0.630	0.283	0.079	0.047	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	LNHU160725R-L55T	H	4	0.610	0.630	0.283	0.098	0.031	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	LNMU130608R-L55T	H	4	0.472	0.512	0.268	0.031	0.087	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
	LNHU090404R-L65T	H	4	0.335	0.354	0.177	0.016	0.059				☉	☉							☉
	LNHU130608R-L65T	H	4	0.472	0.512	0.268	0.031	0.087				☉	☉							☉
	LNHU160708R-L65T	H	4	0.610	0.630	0.283	0.031	0.091				☉	☉							☉
	LNHU090404R-L85T	H	4	0.335	0.354	0.177	0.016	0.059									☉	☉		
	LNHU130608R-L85T	H	4	0.472	0.512	0.268	0.031	0.087									☉	☉		
	LNHU160708R-L85T	H	4	0.610	0.630	0.283	0.031	0.091									☉	☉		

HC = Coated carbide
HW = Uncoated carbide

Tangential rhombic P44280 / P44290

Tiger-tec® Silver



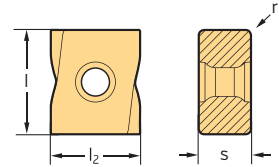
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	P				M		K			N		S	
							HC				HC		HC			HC	HW	HC	
							WKP25	WKP25S	WKP35S	WSP45S	WSM35S	WSM35	WSP45S	WAK15	WKP25S	WKP25S	WKP35S	WXN15	WK10
	P44280-1R08-D57	H	8	0.375	0.500	0.217	0.031	☉	☉			☉	☉					☉	☉
	P44280-1R10-D57	H	8	0.375	0.500	0.217	0.039	☉	☉			☉	☉					☉	☉
	P44280-1R125-D57	H	8	0.375	0.500	0.217	0.049	☉	☉			☉	☉					☉	☉
	P44280-1R15-D57	H	8	0.375	0.500	0.217	0.059	☉	☉			☉	☉					☉	☉
	P44280-1R20-D57	H	8	0.375	0.500	0.217	0.079	☉	☉			☉	☉					☉	☉
	P44280-2R25-D57	H	8	0.375	0.500	0.250	0.098	☉	☉			☉	☉					☉	☉
	P44280-2R30-D57	H	8	0.375	0.500	0.250	0.118	☉	☉			☉	☉					☉	☉
	P44280-2R40-D57	H	4	0.375	0.500	0.250	0.157	☉	☉			☉	☉					☉	☉
	P44290-1R08-D57	M	8	0.375	0.500	0.217	0.031	☉	☉			☉	☉					☉	☉
	P44290-1R10-D57	M	8	0.375	0.500	0.217	0.039	☉	☉			☉	☉					☉	☉
	P44290-1R125-D57	M	8	0.375	0.500	0.217	0.049	☉	☉			☉	☉					☉	☉
	P44290-1R20-D57	M	8	0.375	0.500	0.217	0.079	☉	☉			☉	☉					☉	☉
	P44290-2R25-D57	M	8	0.375	0.500	0.250	0.098	☉	☉			☉	☉					☉	☉
	P44290-2R30-D57	M	8	0.375	0.500	0.250	0.118	☉	☉			☉	☉					☉	☉
	P44290-2R40-D57	M	4	0.375	0.500	0.250	0.157	☉	☉			☉	☉					☉	☉



HC = Coated carbide
HW = Uncoated carbide

Tangential rhombic LNMX

Tiger-tec® Gold



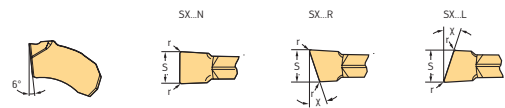
Indexable inserts

Designation	Tolerance class	Number of cutting edges	l ₂ inch	l inch	s inch	r inch	P					M		K				N		S	
							HC					HC		HC				HC	HW	HC	
							WKP255	WKP356	WKP355	WSP455	WSM355	WSP455	WAK15	WKK255	WKP255	WKP356	WKP355	WXN15	WK10	WSM355	WSP455
 LNMX201012R-F27T	M	4	0.671	0.787	0.394	0.047	☹	☹	☹				☹	☹	☹	☹					
 LNMX201012R-F57T	M	4	0.671	0.787	0.394	0.047	☺	☹	☹		☹		☹	☹	☹					☹	










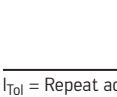




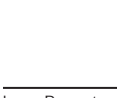
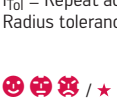
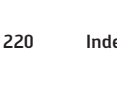

HC = Coated carbide
HW = Uncoated carbide

Slitting SX cutting inserts

Tiger-tec® Silver



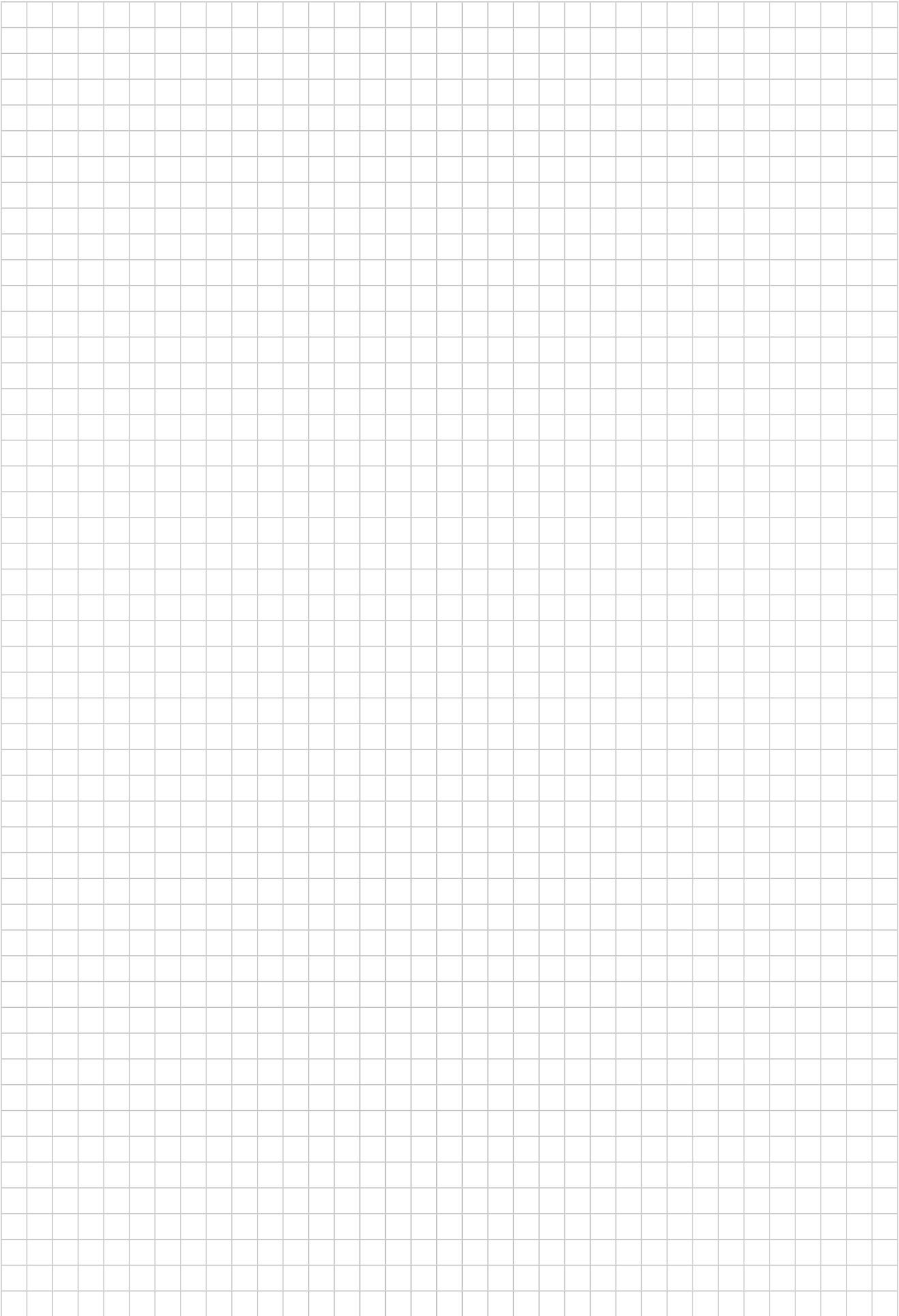
Cutting inserts

Designation	s inch	r inch	S _{Tol} inch	P					M					K				N			S				
				HC					HC					HC				HC	HW	HC	HC				
				WKP235	WKP255	WKP355	WSP455	WSM235	WSM335	WSM355	WSM435	WSP455	WAK15	WKP235	WKK255	WKP255	WKP355	WXN15	WK10	WK1	WSM235	WSM335	WSM355	WSM435	WSP455
 SX-1E150N01-SF5	0.059	0.006	±0.002																						
 SX-2E200N02-SF5	0.079	0.008	±0.002																						
 SX-3E300N02-SF5	0.118	0.008	±0.002																						
 SX-4E400N02-SF5	0.157	0.008	±0.002																						
 SX-5E500N04-SF5	0.197	0.016	±0.002																						
 SX-1E150N01-CE4	0.059	0.006	±0.002	☺																					
 SX-2E200N02-CE4	0.079	0.008	±0.002	☺																					
 SX-3E300N02-CE4	0.118	0.008	±0.002	☺																					
 SX-4E400N02-CE4	0.157	0.008	±0.002	☺																					
 SX-5E500N04-CE4	0.197	0.016	±0.002	☺																					
 SX-1E150N01-CF6	0.059	0.006	±0.002																						
 SX-2E200N02-CF6	0.079	0.008	±0.002																						
 SX-3E300N02-CF6	0.118	0.008	±0.002																						
 SX-1E150N01-SK8	0.059	0.004	±0.001																						
 SX-2E200N02-SK8	0.079	0.008	±0.001																						
 SX-3E300N02-SK8	0.118	0.008	±0.001																						
 SX-4E400N02-SK8	0.157	0.008	±0.001																						
 SX-5E500N04-SK8	0.197	0.016	±0.001																						
SX-6E600N04-SK8	0.236	0.016	±0.001																						

l_{Tol} = Repeat accuracy when changing indexable insert
Radius tolerance r_{Tol} = ± 0.002 inch (± 0.05 mm)

HC = Coated carbide
HW = Uncoated carbide

☹ ☹ ☹ / ★ New addition to the product range

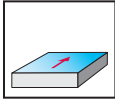
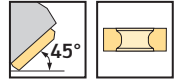


Heptagon face milling cutter

M3024 inch

XNMU0906 ..

Walter BLAXX



	P	M	K	N	S	H	O
M3024	●●	●	●●	●	●	●	●

Tool	Designation	D _c inch	D _a inch	d ₁ inch	l ₄ inch	L _c inch	Z	lbs	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	★ M3024.064-B26-05-06	2.500	3.006	1.000	1.575	0.236	5	1.1	5	XNMU0906 ..
	★ M3024.076-B26-06-06	3.000	3.506	1.000	1.969	0.236	6	2.2	6	
	★ M3024.102-B31-07-06	4.000	4.506	1.250	1.969	0.236	7	4.2	7	
	★ M3024.127-B38-08-06	5.000	5.506	1.500	2.480	0.236	8	7.7	8	
	★ M3024.152-B38-09-06	6.000	6.506	1.500	2.480	0.236	9	13.4	9	

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _c [inch]		2.500–6.000
	Shim for indexable insert	AP800-XN0906
	Clamping screw for shim	FS2091 (SW 5)
	Clamping screw for insert Tightening torque	FS2112 (Torx 20IP) 44 in lb

Accessories

D _c [inch]		2.500–6.000
	Torque screwdriver. analog	FS2002
	Torque screwdriver. digital Tightening torque	FS2248 9–53 in lb
	Interchangeable blade	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)
	Key for shim screw	ISO2936-5 (SW 5)

Indexable inserts

Designation	r inch	b inch	P		M		K				N		S		
			HC		HC		HC				HC	HW	HC		
			WKP25S	WKP35S	WKP35G	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WKP35G	WXN15	WK10
XNMU090612-F57	0.047		☺	☺	☺	☺			☺	☺	☺				
XNMU0906ANN-F27	0.031	0.055	☺	☺				☺	☺	☺	☺				
XNMU0906ANN-F57	0.031	0.055	☺	☺	☺	☺			☺	☺	☺				
XNMU0906ANN-F67	0.031	0.055	☺	☺					☺	☺	☺				

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

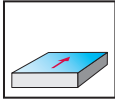
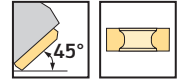
●● Primary application

● Other application

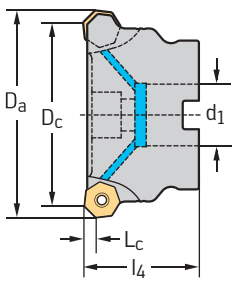
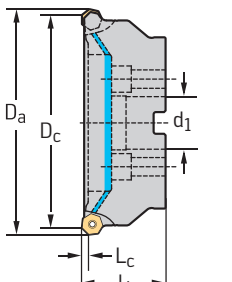


Heptagon face milling cutter M3024

XNMU0906 ..
Walter BLAXX



	P	M	K	N	S	H	O
M3024	●●	●	●●	●	●	●	●

Tool	Designation	D _c mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	★ M3024-063-B22-05-06	63	76	22	40	6	5	0.5	5	XNMU0906 ..
	★ M3024-080-B27-06-06	80	93	27	50	6	6	1.1	6	
	★ M3024-100-B32-07-06	100	113	32	50	6	7	1.8	7	
	★ M3024-125-B40-08-06	125	138	40	63	6	8	3.3	8	
Parallel bore DIN 138 transverse keyway 	★ M3024-160-B40-09-06	160	173	40/40 B	63	6	9	5.4	9	XNMU0906 ..

Bodies and assembly parts are included in the scope of delivery.

Assembly parts		
D _c [mm]	63–160	
	Shim for indexable insert	AP800-XN0906
	Clamping screw for shim	FS2091 (SW 5)
	Clamping screw for insert Tightening torque	FS2112 (Torx 20IP) 5.0 Nm

Accessories			
D _c [mm]	63–125	160	
	Torque screwdriver. analog Tightening torque	FS2003 1.5–5.0 Nm	FS2003 1.5–5.0 Nm
	Torque screwdriver. digital Tightening torque	FS2248 1.0–6.0 Nm	FS2248 1.0–6.0 Nm
	Interchangeable blade	FS2015 (Torx 20IP)	FS2015 (Torx 20IP)
	Screwdriver	FS1486 (Torx 20IP)	FS1486 (Torx 20IP)
	Key for shim screw	ISO2936-5 (SW 5)	ISO2936-5 (SW 5)
	Gasket		O-R 96X4
	Sealing disc set (incl. gasket and screws)		FS936 COMPLETE SET

Indexable inserts			P				M		K				N		S	
Designation	r mm	b mm	HC				HC		HC				HC	HW	HC	
			WKP25S	WKP35S	WKP35G	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WKP35G	WXN15	WK10	WSM35S
XNMU090612-F57	1.2		⊕	⊕	⊕	⊕	⊕									
XNMU0906ANN-F27	0.8	1.4	⊕	⊕	⊕	⊕				⊕	⊕	⊕				
XNMU0906ANN-F57	0.8	1.4	⊕	⊕	⊕	⊕				⊕	⊕	⊕				
XNMU0906ANN-F67	0.8	1.4	⊕	⊕	⊕	⊕				⊕	⊕	⊕				

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

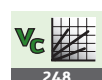
Very good

Good

Moderate

●● Primary application

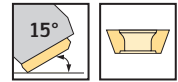
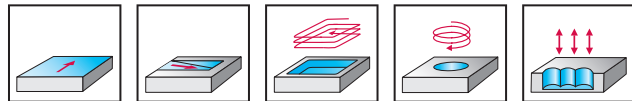
● Other application



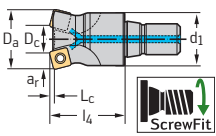
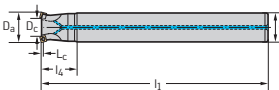
High-feed face milling cutter M4002



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4002	●●	●●	●●	●●	●●	●	●

Tool	Designation	D _c mm	D _a * mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	M4002-020-T18-02-01	8	20	T18	30		1	5.7	2	0.1	2	SDM . 06T2 ..
	M4002-025-T22-02-01.5	8	25	T22	40		1.5	8.4	2	0.1	2	SDM . 09T3 ..
	M4002-025-T22-03-01	13	25	T22	35		1	5.7	3	0.1	3	SDM . 06T2 ..
	M4002-032-T28-03-01.5	15	32	T28	40		1.5	8.4	3	0.2	3	SDM . 09T3 ..
	M4002-032-T28-04-01	20	32	T28	40		1	5.7	4	0.2	4	SDM . 06T2 ..
	M4002-035-T28-03-01.5	18	35	T28	40		1.5	8.4	3	0.2	3	SDM . 09T3 ..
	M4002-035-T28-03-01	23	35	T28	40		1	5.7	3	0.2	3	SDM . 06T2 ..
	M4002-035-T28-04-01	23	35	T28	40		1	5.7	4	0.2	4	SDM . 09T3 ..
	M4002-040-T36-04-01.5	23	40	T36	40		1.5	8.4	4	0.3	4	SDM . 06T2 ..
	M4002-040-T36-05-01	28	40	T36	40		1	5.7	5	0.4	5	SDM . 09T3 ..
Parallel shank 	M4002-042-T36-03-01.5	25	42	T36	40		1.5	8.4	3	0.3	3	SDM . 06T2 ..
	M4002-042-T36-04-01	30	42	T36	40		1	5.7	4	0.4	4	SDM . 09T3 ..
	M4002-042-T36-05-01	30	42	T36	40		1	5.7	5	0.4	5	SDM . 06T2 ..
	M4002-020-A20-02-01	8	20	20	30	200	1	5.7	2	0.5	2	SDM . 06T2 ..
	M4002-025-A25-03-01	13	25	25	35	200	1	5.7	3	0.8	3	SDM . 06T2 ..
	M4002-032-A32-04-01	20	32	40	40	250	1	5.7	4	1.5	4	SDM . 06T2 ..

* Measured using SDM.06T204, SDM.09T308, SDM.120408
Bodies and assembly parts are included in the scope of delivery.

Assembly parts			
Type	SDM . 06T2 ..	SDM . 09T3 ..	
Clamping screw for insert Tightening torque	FS2084 (Torx 7IP) 0.9 Nm	FS2266 (Torx 10IP) 2.0 Nm	

Accessories			
Type	SDM . 06T2 ..	SDM . 09T3 ..	
Torque screwdriver. analog Tightening torque	FS2001 0.4–1.2 Nm	FS2003 1.5–5.0 Nm	
Torque screwdriver. digital Tightening torque		FS2248 1.0–6.0 Nm	
Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)	
Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)	

Designation	r mm	b mm	P				M			K			S			
			HC				HC			HC			HC			
			WKP255	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X
SDMT06T2ZDR-D57	0.4	1.2		☒	☒	☒										☒
SDMT09T3ZDR-D57	0.8	1.2		☒	☒	☒										☒
SDMT09T308-D57																
SDMT09T308-F57																
SDMT06T204-D57	0.4		☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
SDMT06T204-F57	0.4		☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
SDMT06T212-F57	1.2			☒	☒	☒	☒	☒			☒	☒	☒	☒	☒	☒
SDMW06T204-A57	0.4		☒	☒	☒						☒	☒	☒			☒
SDMT09T308-D57	0.8		☒	☒	☒	☒		☒		☒	☒	☒	☒			☒
SDMT09T308-F57	0.8		☒	☒	☒	☒		☒		☒	☒	☒	☒			☒
SDMT09T320-F57	2			☒	☒	☒	☒				☒	☒	☒	☒	☒	☒
SDMW09T308-A57	0.8		☒	☒	☒					☒	☒	☒	☒			☒

For SD..120425 indexable inserts. the circumference of the body must be reworked
 $R_{(body)} = r_{(indexable\ insert)}$

HC = Coated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

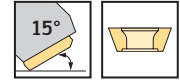
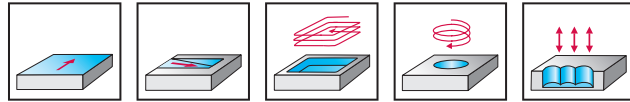
●● Primary application

● Other application

High-feed face milling cutter M4002



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4002	●	●	●	●	●	●	●

Tool	Designation	D _c mm	D _a * mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	a _r mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	M4002-040-B16-05-01	28	40	16	40		1	5.7	5	0.2	5	SDM . 06T2 ..
	M4002-042-B16-04-01.5	25	42	16	40		1.5	8.4	4	0.2	4	SDM . 09T3 ..
	M4002-042-B16-04-01	30	42	16	40		1	5.7	4	0.2	4	SDM . 06T2 ..
	M4002-042-B16-05-01	30	42	16	40		1	5.7	5	0.2	5	SDM . 06T2 ..
	M4002-050-B22-04-02	27	50	22	40		2	11.4	4	0.3	4	SDM . 1204 ..
	★ M4002-050-B22-05-02	27	50	22	40		2	11.4	5	0.3	5	SDM . 1204 ..
	M4002-050-B22-05-01.5	33	50	22	40		1.5	8.4	5	0.3	5	SDM . 09T3 ..
	M4002-050-B22-07-01	38	50	22	40		1	5.7	7	0.4	7	SDM . 06T2 ..
	M4002-052-B22-03-02	29	52	22	40		2	11.4	3	0.3	3	SDM . 1204 ..
	M4002-052-B22-04-02	29	52	22	40		2	11.4	4	0.3	4	SDM . 1204 ..
	★ M4002-052-B22-05-02	29	52	22	40		2	11.4	5	0.3	5	SDM . 1204 ..
	M4002-052-B22-04-01.5	35	52	22	40		1.5	8.4	4	0.4	4	SDM . 09T3 ..
	M4002-052-B22-05-01.5	35	52	22	40		1.5	8.4	5	0.4	5	SDM . 09T3 ..
	M4002-052-B22-06-01	40	52	22	40		1	5.7	6	0.4	6	SDM . 06T2 ..
	M4002-052-B22-07-01	40	52	22	40		1	5.7	7	0.4	7	SDM . 06T2 ..
	M4002-063-B22-05-02	40	63	22	50		2	11.4	5	0.6	5	SDM . 1204 ..
	★ M4002-063-B22-06-02	40	63	22	50		2	11.4	6	0.5	6	SDM . 1204 ..
	M4002-063-B22-06-01.5	46	63	22	50		1.5	8.4	6	0.8	6	SDM . 09T3 ..
	M4002-063-B22-08-01	51	63	22	50		1	5.7	8	0.6	8	SDM . 06T2 ..
	M4002-066-B27-04-02	43	66	27	50		2	11.4	4	0.8	4	SDM . 1204 ..
	M4002-066-B27-05-02	43	66	27	50		2	11.4	5	0.8	5	SDM . 1204 ..
	★ M4002-066-B27-06-02	43	66	27	50		2	11.4	6	0.7	6	SDM . 1204 ..
	M4002-066-B27-05-01.5	49	66	27	50		1.5	8.4	5	0.8	5	SDM . 09T3 ..
	M4002-066-B27-06-01.5	49	66	27	50		1.5	8.4	6	0.8	6	SDM . 09T3 ..
	M4002-066-B27-07-01	54	66	27	50		1	5.7	7	0.8	7	SDM . 06T2 ..
	M4002-066-B27-08-01	54	66	27	40		1	5.7	8	0.8	8	SDM . 06T2 ..
	M4002-080-B27-06-02	57	80	27	50		2	11.4	6	1.3	6	SDM . 1204 ..
	★ M4002-080-B27-08-02	57	80	27	50		2	11.4	8	1.2	8	SDM . 1204 ..
	M4002-085-B27-05-02	62	85	27	50		2	11.4	5	1.5	5	SDM . 1204 ..
	M4002-085-B27-06-02	62	85	27	50		2	11.4	6	1.4	6	SDM . 1204 ..
★ M4002-085-B27-08-02	62	85	27	50		2	11.4	8	1.4	8	SDM . 1204 ..	
M4002-100-B32-07-02	77	100	32	60		2	11.4	7	2.6	7	SDM . 1204 ..	
★ M4002-100-B32-09-02	77	100	32	60		2	11.4	9	2.5	9	SDM . 1204 ..	
M4002-125-B40-08-02	102	125	40	60		2	11.4	8	3.0	8	SDM . 1204 ..	

* Measured using SDM.06T204. SDM.09T308. SDM.120408

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

Type	SDM . 06T2 ..	SDM . 09T3 ..	SDM . 1204 ..
Clamping screw for insert Tightening torque	FS2084 (Torx 7IP) 0.9 Nm	FS2266 (Torx 10IP) 2.0 Nm	FS1453 (Torx 15IP) 3.5 Nm

Accessories

Type	SDM . 06T2 ..	SDM . 09T3 ..	SDM . 1204 ..
Torque screwdriver. analog Tightening torque	FS2001 0.4–1.2 Nm	FS2003 1.5–5.0 Nm	FS2003 1.5–5.0 Nm
Torque screwdriver. digital Tightening torque		FS2248 1.0–6.0 Nm	FS2248 1.0–6.0 Nm
Interchangeable blade	FS2011 (Torx 7IP)	FS2268 (Torx 10IP)	FS2014 (Torx 15IP)
Screwdriver	FS2088 (Torx 7IP)	FS2267 (Torx 10IP)	FS1485 (Torx 15IP)

Indexable inserts

Designation	r mm	b mm	P				M			K			S			
			HC				HC			HC			HC			
			WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WSM35S	WSM45X
SDMT06T2ZDR-D57	0.4	1.2		☒	☒	☒		☒								☒
SDMT09T3ZDR-D57	0.8	1.2		☒	☒	☒		☒								☒
SDMT1204ZDR-D57	0.8	1.8		☒	☒	☒		☒								☒
SDMT09T308-D57																
SDMT09T308-F57																
SDMT06T204-D57	0.4		☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
SDMT06T204-F57	0.4		☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
SDMT06T212-F57	1.2			☒	☒	☒	☒	☒			☒	☒	☒	☒	☒	☒
SDMW06T204-A57	0.4		☒	☒	☒						☒	☒				
SDMT09T308-D57	0.8		☒	☒	☒	☒		☒		☒	☒	☒	☒	☒	☒	☒
SDMT09T308-F57	0.8		☒	☒	☒	☒		☒		☒	☒	☒	☒	☒	☒	☒
SDMT09T320-F57	2			☒	☒	☒	☒	☒			☒	☒	☒	☒	☒	☒
SDMW09T308-A57	0.8		☒	☒	☒						☒	☒				
SDMT120408-D57	0.8		☒	☒	☒	☒		☒		☒	☒	☒	☒	☒	☒	☒
SDMT120408-F57	0.8		☒	☒	☒	☒		☒		☒	☒	☒	☒	☒	☒	☒
SDMT120425-F57	2.5			☒	☒	☒	☒	☒			☒	☒	☒	☒	☒	☒
SDMW120408-A57	0.8		☒	☒	☒						☒	☒				

For SD..120425 indexable inserts, the circumference of the body must be reworked
 $R_{(body)} = r_{(indexable\ insert)}$

HC = Coated carbide

WALTER
SELECT

Stability of machine, workpiece
and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

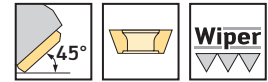
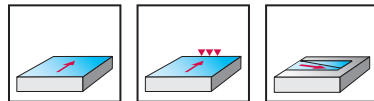
Face milling cutter

M4003 inch

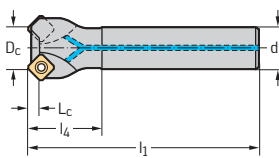
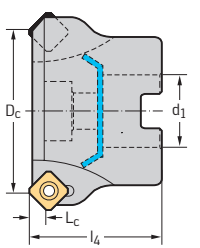
SD .. 09T3AZN



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4003	●	●	●	●	●	●	●

Tool	Designation	D _c inch	d ₁ inch	l ₄ inch	l ₁ inch	L _c inch	Z	lbs	No. of indexable inserts	Type
Parallel shank 	★ M4003.019-A19-02-4.5	0.750	3/4	1.378	4.331	0.177	2	0.7	2	SD .. 09T3AZN SDHX09T3AZR
	★ M4003.026-A26-03-4.5	1.000	1	1.378	4.331	0.177	3	1.1	3	
	★ M4003.031-A31-04-4.5	1.250	1 1/4	1.378	4.331	0.177	4	1.5	4	
Parallel bore DIN 138 transverse keyway 	★ M4003.031-B13-04-4.5	1.250	1/2	1.575		0.177	4	0.4	4	SD .. 09T3AZN SDHX09T3AZR
	★ M4003.038-B19-04-4.5	1.500	1/2	1.575		0.177	4	0.7	4	
	★ M4003.051-B19-06-4.5	2.000	3/4	1.575		0.177	6	0.9	6	
	★ M4003.064-B26-07-4.5	2.500	1	1.969		0.177	7	2.0	7	
	★ M4003.076-B26-08-4.5	3.000	1	1.969		0.177	8	2.4	8	
	★ M4003.102-B38-09-4.5	4.000	1 1/2	2.480		0.177	9	6.4	9	

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _c [inch]		0.750–4.000
	Clamping screw for insert Tightening torque	FS2266 (Torx 10IP) 2.0 Nm

Accessories

D _c [inch]		0.750–4.000
	Torque screwdriver. analog	FS2004
	Torque screwdriver. digital Tightening torque	FS2248 1.0–6.0 Nm
	Interchangeable blade	FS2268 (Torx 10IP)
	Screwdriver	FS2267 (Torx 10IP)

Indexable inserts

Designation	r mm	b mm	P				M			K				N		S			H	O		
			HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HC	HC	HC	HC	HC					
			WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WNN15	WK10	WSM35S	WSM45X	WSP45S	WHH15	WXM15	
SDHX09T3AZR-A88		5.6								☹											☹	☹
SDGT09T3AZN-F57	0.3	1.4	☹	☹		☹	☹		☹	☹		☹	☹				☹		☹			
SDGT09T3AZN-G77	0.3	1.2				☹			☹											☹		
SDHT09T3AZN-G88	0.3	1.2													☹	☹						
SDMT09T3AZN-D57	0.3	1.2	☹	☹		☹	☹		☹			☹	☹				☹		☹			
SDMT09T3AZN-F57	0.3	1.4	☹	☹		☹			☹	☹		☹	☹						☹	☹		
SDMW09T3AZN-A57	0.3	1.2	☹	☹					☹	☹		☹	☹									

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application



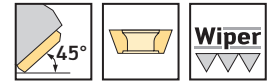
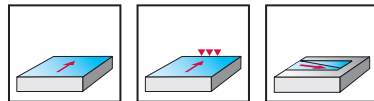
Face milling cutter

M4003 inch

SD .. 1204AZN



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4003	●	●	●	●	●	●	●

Tool	Designation	D _c inch	d ₁ inch	l ₄ inch	l ₁ inch	L _c inch	Z	lbs	No. of indexable inserts	Type
Parallel shank 	★ M4003.026-A26-02-6.5	1.000	1.000	1.378	4.331	0.256	2	1.1	2	SD .. 1204AZN SDHX1204AZR
	★ M4003.031-A31-03-6.5	1.250	1.250	1.378	4.331	0.256	3	1.5	3	
	★ M4003.038-A31-04-6.5	1.500	1.250	1.378	4.331	0.256	4	1.8	4	
Parallel bore DIN 138 transverse keyway 	★ M4003.038-B19-03-6.5	1.500	0.500	1.575		0.256	3	0.7	3	SD .. 1204AZN SDHX1204AZR
	★ M4003.051-B19-04-6.5	2.000	0.750	1.575		0.256	4	0.9	4	
	★ M4003.064-B26-05-6.5	2.500	1.000	1.969		0.256	5	2.0	5	
	★ M4003.076-B26-06-6.5	3.000	1.000	1.969		0.256	6	2.4	6	
	★ M4003.102-B38-07-6.5	4.000	1.500	2.480		0.256	7	6.4	7	
Parallel bore DIN 138 transverse keyway 	★ M4003.127-B38-08-6.5	5.000	1.500	2.480		0.256	8	8.2	8	
Parallel bore DIN 138 transverse keyway 	★ M4003.152-B38-09-6.5	6.000	1.500	2.480		0.256	9	11.5	9	SD .. 1204AZN SDHX1204AZR

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _c [inch]		1.000–6.000
	Clamping screw for insert Tightening torque	FS1453 (Torx 15IP) 31 in lb

Accessories

D _c [inch]		1.000–6.000
	Torque screwdriver. analog	FS2004
	Torque screwdriver. digital Tightening torque	FS2248 9–53 in lb
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	r inch	b inch	P		M		K				N		S		H	O						
			HC	HC	HC	HC	HC	HC	HC	HW	HC	HC	HC	HC								
			WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WNN15	WK10	WSM35S	WSM45X	WSP45S	WHH15	WXM15	
SDHX1204AZR-A88		0.295								☹											☹	☹
SDGT1204AZN-F57	0.012	0.071	☹	☹						☹												
SDGT1204AZN-G77	0.012	0.055				☹																
SDHT1204AZN-G88	0.012	0.055													☹	☹						
SDMT1204AZN-D57	0.012	0.055	☹	☹						☹												
SDMT1204AZN-F57	0.012	0.071	☹	☹						☹												
SDMW1204AZN-A57	0.012	0.055	☹	☹						☹												

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

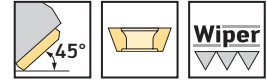
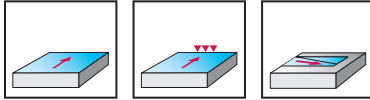
•• Primary application

• Other application

Face milling cutter M4003 SD .. 09T3AZN



– Four cutting edges per indexable insert



	P	M	K	N	S	H	O
M4003	●	●	●	●	●	●	●

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel shank 	★ M4003-020-A20-02-4.5	20	20	35	110	4.5	2	0.3	2	SD .. 09T3AZN SDHX09T3AZR
	★ M4003-025-A25-03-4.5	25	25	35	110	4.5	3	0.4	3	
	★ M4003-032-A32-04-4.5	32	32	35	110	4.5	4	0.7	4	
Parallel bore DIN 138 transverse keyway 	★ M4003-032-B16-04-4.5	32	16	40		4.5	4	0.2	4	SD .. 09T3AZN SDHX09T3AZR
	★ M4003-032-B16-05-4.5	32	16	40		4.5	5	0.2	5	
	★ M4003-040-B16-04-4.5	40	16	40		4.5	4	0.3	4	
	★ M4003-040-B16-06-4.5	40	16	40		4.5	6	0.3	6	
	★ M4003-050-B22-06-4.5	50	22	40		4.5	6	0.5	6	
	★ M4003-050-B22-08-4.5	50	22	40		4.5	8	0.5	8	
	★ M4003-063-B22-07-4.5	63	22	40		4.5	7	0.6	7	
	★ M4003-063-B22-10-4.5	63	22	40		4.5	10	0.6	10	
	★ M4003-080-B27-08-4.5	80	27	40		4.5	8	1.1	8	
	★ M4003-080-B27-12-4.5	80	27	50		4.5	12	1.1	12	
	★ M4003-100-B32-09-4.5	100	32	50		4.5	9	1.9	9	
★ M4003-100-B32-14-4.5	100	32	50		4.5	14	1.9	14		

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _c [mm]		20–100
	Clamping screw for insert Tightening torque	FS2266 (Torx 10IP) 2.0 Nm

Accessories

D _c [mm]		20–100
	Torque screwdriver. analog Tightening torque	FS2003 1.5–5.0 Nm
	Torque screwdriver. digital Tightening torque	FS2248 1.0–6.0 Nm
	Interchangeable blade	FS2268 (Torx 10IP)
	Screwdriver	FS2267 (Torx 10IP)

Indexable inserts

Designation	r mm	b mm	P		M		K		N		S		H	O							
			HC	HW	HC	HW	HC	HW	HC	HW	HC	HW									
 SDHX09T3AZR-A88		5.6	WKP25S	WKP35G	WKP35S	WSP45S	WSM35S	WSM45X	WSP45S	WAK15	WKK25S	WKP25S	WKP35G	WKP35S	WNN15	WK10	WSM35S	WSM45X	WSP45S	WHH15	WXM15
 SDGT09T3AZN-F57	0.3	1.4	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
SDGT09T3AZN-G77	0.3	1.2			☹		☹												☹		
SDHT09T3AZN-G88	0.3	1.2									☹	☹									
SDMT09T3AZN-D57	0.3	1.2	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
SDMT09T3AZN-F57	0.3	1.4	☹	☹	☹		☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹
SDMW09T3AZN-A57	0.3	1.2	☹	☹					☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹	☹

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

😊
Good

😐
Moderate

•• Primary application

• Other application

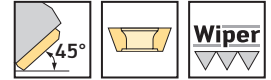
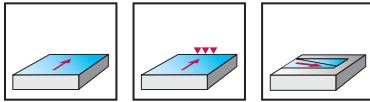
Face milling cutter

M4003

SD .. 1204AZN



– Four cutting edges per indexable insert




	P	M	K	N	S	H	O
M4003	●	●	●	●	●	●	●





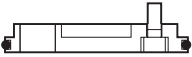
Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	l ₁ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel shank 	★ M4003-025-A25-02-6.5	25	25	35	110	6.5	2	0.5	2	SD .. 1204AZN SDHX1204AZR
	★ M4003-032-A32-03-6.5	32	32	35	110	6.5	3	0.7	3	
	★ M4003-040-A32-04-6.5	40	32	35	110	6.5	4	0.8	4	
Parallel bore DIN 138 transverse keyway 	★ M4003-040-B16-03-6.5	40	16	40		6.5	3	0.3	3	SD .. 1204AZN SDHX1204AZR
	★ M4003-040-B16-04-6.5	40	16	40		6.5	4	0.3	4	
	★ M4003-050-B22-04-6.5	50	22	40		6.5	4	0.5	4	
	★ M4003-050-B22-05-6.5	50	22	40		6.5	5	0.5	5	
	★ M4003-063-B22-05-6.5	63	22	40		6.5	5	0.6	5	
	★ M4003-063-B22-07-6.5	63	22	40		6.5	7	0.6	7	
	★ M4003-080-B27-06-6.5	80	27	50		6.5	6	1.2	6	
	★ M4003-080-B27-09-6.5	80	27	50		6.5	9	1.2	9	
	★ M4003-100-B32-07-6.5	100	32	50		6.5	7	1.9	7	
	★ M4003-100-B32-11-6.5	100	32	50		6.5	11	1.9	11	
Parallel bore DIN 138 transverse keyway 	★ M4003-125-B40-08-6.5	125	40	63		6.5	13	3.4	8	SD .. 1204AZN SDHX1204AZR
	★ M4003-125-B40-13-6.5	125	40	63		6.5	9	3.4	13	
	★ M4003-160-B40-09-6.5	160	40/40 B	63		6.5	15	4.3	9	
	★ M4003-160-B40-15-6.5	160	40/40 B	63		6.5	15	4.3	15	

Bodies and assembly parts are included in the scope of delivery.

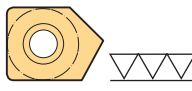

Assembly parts

D _c [mm]	25-160
 Clamping screw for insert Tightening torque	FS1453 (Torx 15IP) 3.5 Nm

Accessories

D _c [mm]	25-125	160
 Torque screwdriver. analog Tightening torque	FS2003 1.5-5.0 Nm	FS2003 1.5-5.0 Nm
 Torque screwdriver. digital Tightening torque	FS2248 1.0-6.0 Nm	FS2248 1.0-6.0 Nm
 Interchangeable blade	FS2014 (Torx 15IP)	FS2014 (Torx 15IP)
 Screwdriver	FS1485 (Torx 15IP)	FS1485 (Torx 15IP)
 Gasket		O-R 96X4
 Sealing disc set (incl. gasket and screws)		FS936 COMPLETE SET

Indexable inserts

Designation	r mm	b mm	P				M			K				N		S			H	O	
			HC	HC	HC	HC	HC	HC	HC	HC	HC	HW	HC	HC	HC	HC	HC	HC			
 SDHX1204AZR-A88		7.5																			
 SDGT1204AZN-F57	0.3	1.8	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
SDGT1204AZN-G77	0.3	1.4			⊗				⊗										⊗		
SDHT1204AZN-G88	0.3	1.4													⊗	⊗					
SDMT1204AZN-D57	0.3	1.4	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
SDMT1204AZN-F57	0.3	1.8	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
SDMW1204AZN-A57	0.3	1.4	⊗	⊗							⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

😊
Very good

😐
Good

😞
Moderate

●● Primary application

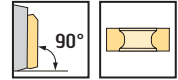
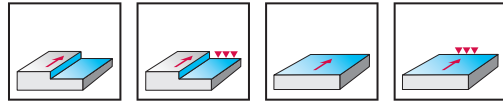
● Other application



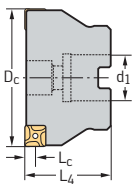
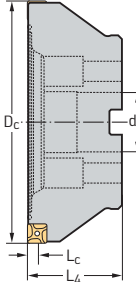
Close pitch cutter
M2136 inch
SNEF120408R



– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M2136			●●				

Tool	Designation	D _c inch	d ₁ inch	l ₄ inch	L _c inch	Z	lbs	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	★ M2136.051-B19-06-06	2.000	0.750	1.969	0.256	6	1.6	6	SNEF120408R
	★ M2136.064-B19-08-06	2.500	0.750	1.969	0.256	8	2.4	8	
	★ M2136.076-B26-12-06	3.000	1.000	1.969	0.256	12	2.9	12	
	★ M2136.102-B31-16-06	4.000	1.250	1.969	0.256	16	4.1	16	
	★ M2136.127-B38-20-06	5.000	1.500	2.480	0.256	20	10.8	20	
Parallel bore DIN 138 transverse keyway 	★ M2136.152-B38-24-06	6.000	1.500	2.480	0.256	24	15.3	24	SNEF120408R

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _c [inch]		2.000–6.000
	Clamping wedge	FK377
	Clamping screw for clamping wedge	FS2185

Accessories

D _c [inch]		2.000–6.000
	Torque screwdriver. analog	FS2002
	Torque screwdriver. digital Tightening torque	FS2248 9–53 In lb
	Interchangeable blade	FS2268 (Torx 10IP)
	Screwdriver	FS2267 (Torx 10IP)

Indexable inserts

Designation	r inch	b inch	P		M		K				N		S		
			HC	HC	HC	HC	HC	HW	HC	HW	HC	HC			
			WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S	WSP45S
SNEF120408R-B67	0.031	0.083	☺	☹					☹	☹	☹				
SNEF120408R-D67	0.031	0.083	☺	☹				☺	☹	☹					

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

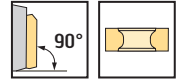
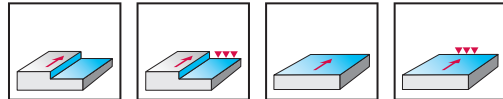
• Other application



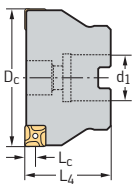
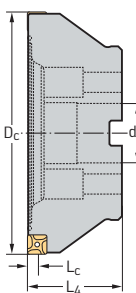
Close pitch cutter M2136 SNEF120408R



– Eight cutting edges per indexable insert



	P	M	K	N	S	H	O
M2136			●●				

Tool	Designation	D _c mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
Parallel bore DIN 138 transverse keyway 	★ M2136-050-B22-06-06	50	22	50	6.5	6	0.69	6	SNEF120408R
	★ M2136-063-B22-08-06	63	22	50	6.5	8	1.05	8	
	★ M2136-080-B27-12-06	80	27	50	6.5	12	1.34	12	
	★ M2136-100-B32-16-06	100	32	50	6.5	16	1.57	16	
	★ M2136-125-B40-20-06	125	40	63	6.5	20	3.53	20	
Parallel bore DIN 138 transverse keyway 	★ M2136-160-B40-24-06	160	40/40 B	63	6.5	24	6.71	24	SNEF120408R

Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _c [mm]		50-160
	Clamping wedge	FK377
	Clamping screw for clamping wedge	FS2185

Accessories

D _c [mm]		50-160
	Torque screwdriver. analog Tightening torque	FS2003 1.5-5.0 Nm
	Torque screwdriver. digital Tightening torque	FS2248 1.0-6.0 Nm
	Interchangeable blade	FS2268 (Torx 10IP)
	Screwdriver	FS2267 (Torx 10IP)

Indexable inserts

Designation	r mm	b mm	P		M		K		N		S		
			HC		HC		HC		HC	HW	HC		
			WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10
SNEF120408R-B67	0.8	2.1	☺	☹									
SNEF120408R-D67	0.8	2.1	☺	☹			☺	☹	☹				

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

☺
Very good

☹
Good

☹
Moderate

•• Primary application

• Other application

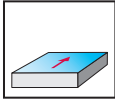
Copy milling cutter with round inserts

M2471 inch

RNMX1206M0

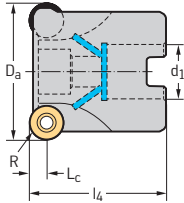


- Perfect for helirough and z-level machining on turbine blades
- Eight cutting edges per indexable insert, with indexing surfaces



	P	M	K	N	S	H	O
M2471	●●	●●	●●	●●	●●	●●	●●

Tool	Designation	R	D _a	d ₁	l ₄	L _c	Z	lbs	No. of indexable inserts	Type
		inch	inch	inch	inch	inch				
Parallel bore DIN 138 transverse keyway	★ M2471.051-B19-05-06	0.236	2.000	0.750	1.575	0.236	5	0.7	5	RNMX1206M0
	★ M2471.064-B26-07-06	0.236	2.500	1.000	1.969	0.236	7	1.3	7	



Bodies and assembly parts are included in the scope of delivery.

Assembly parts

D _a [inch]		2.000–2.500
	Clamping screw for insert Tightening torque	FS1453 (Torx 15IP) 31 in lb

Accessories

D _a [inch]		2.000–2.500
	Torque screwdriver. analog	FS2004
	Torque screwdriver. digital Tightening torque	FS2248 9–53 in lb
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)

Indexable inserts

Designation	d inch	P		M		K			N		S		
		HC		HC		HC			HC	HW	HC		
		WKP255	WKP355	WSP455	WSM355	WSP455	WAK15	WKK255	WKP255	WKP355	WXN15	WK10	WSM355
	RNMX1206M0-D57												
	0.472												
	RNMX1206M0-F67												
	0.472												

HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement

Very good

Good

Moderate

●● Primary application

● Other application

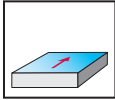
Copy milling cutter with round inserts

M2471

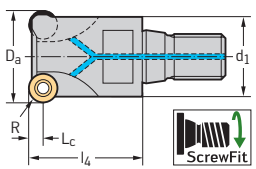
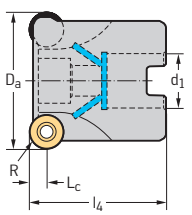
RNMX1206M0



- Perfect for helirough and z-level machining on turbine blades
- Eight cutting edges per indexable insert, with indexing surfaces




	P	M	K	N	S	H	O
M2471	●●	●●	●	●	●●	●	●





Tool	Designation	R mm	D _a mm	d ₁ mm	l ₄ mm	L _c mm	Z	kg	No. of indexable inserts	Type
ScrewFit 	★ M2471-032-T28-03-06	6	32	T28	40	6	3	0.2	3	RNMX1206M0
	★ M2471-040-T36-04-06	6	40	T36	40	6	4	0.3	4	
Parallel bore DIN 138 transverse keyway 	★ M2471-050-B22-05-06	6	50	22	40	6	5	0.3	5	RNMX1206M0
	★ M2471-052-B22-05-06	6	52	22	40	6	5	0.3	5	
	★ M2471-063-B22-07-06	6	63	22	40	6	7	0.4	7	

Bodies and assembly parts are included in the scope of delivery.








Assembly parts

D _a [mm]		32–63
	Clamping screw for insert Tightening torque	FS1453 (Torx 15IP) 3.5 Nm

Accessories

D _a [mm]		32–63
	Torque screwdriver. analog Tightening torque	FS2003 1.5–5.0 Nm
	Torque screwdriver. digital Tightening torque	FS2248 1.0–6.0 Nm
	Interchangeable blade	FS2014 (Torx 15IP)
	Screwdriver	FS1485 (Torx 15IP)


Indexable inserts


Designation	d mm	P		M		K			N		S		
		HC		HC		HC			HC	HW	HC		
		WKP25S	WKP35S	WSP45S	WSM35S	WSP45S	WAK15	WKK25S	WKP25S	WKP35S	WXN15	WK10	WSM35S
 RNMX1206M0-D57	12												
RNMX1206M0-F67	12												


HC = Coated carbide
HW = Uncoated carbide

WALTER SELECT

Stability of machine, workpiece and clamping arrangement


Very good


Good


Moderate

•• Primary application

• Other application

Cutting data for roughing WKP35G

Material group	Overview of the main material groups and code letters		Brinell hardness HB	Tensile strength R_m N/mm ²	Machining group ¹	= Cutting data for wet machining = Dry machining is possible		Cutting material grades	
								Starting values for cutting speed v_c [SFM]	
								HC Face/shoulder milling WKP35G a_e / D_c^*	
							1/1 1/2	1/5	
P	Non-alloyed steel	C ≤ 0.25%	Annealed	125	428	P1	● ●●	820	980
		C > 0.25 ... ≤ 0.55%	Annealed	190	639	P2	● ●●	720	850
		C > 0.25 ... ≤ 0.55%	Heat-treated	210	708	P3	● ●●	710	820
		C > 0.55%	Annealed	190	639	P4	● ●●	720	850
		C > 0.55%	Heat-treated	300	1013	P5	● ●●	520	590
		Free cutting steel (short-chipping)	Annealed	220	745	P6	● ●●	690	790
	Low-alloyed steel		Annealed	175	591	P7	● ●●	720	890
			Heat-treated	300	1013	P8	● ●●	560	620
			Heat-treated	380	1282	P9	● ●●	430	490
			Heat-treated	430	1477	P10	● ●●	360	430
	High-alloyed steel and high-alloyed tool steel		Annealed	200	675	P11	● ●●	430	520
			Hardened and tempered	300	1013	P12	● ●●	260	300
			Hardened and tempered	400	1361	P13	● ●●	230	260
	Stainless steel		Ferritic/martensitic, annealed	200	675	P14	● ●●	460	520
			Martensitic, heat-treated	330	1114	P15	● ●●	300	360
M	Stainless steel	Austenitic, quench hardened	200	675	M1	●● ●			
		Austenitic, precipitation hardened (PH)	300	1013	M2	●● ●			
		Austenitic/ferritic, duplex	230	778	M3	●● ●			
K	Malleable cast iron	Ferritic	200	675	K1	● ●●	520	620	
		Pearlitic	260	867	K2	● ●●	460	560	
	Grey cast iron	Low tensile strength	180	602	K3	● ●●	980	1080	
		High tensile strength/austenitic	245	825	K4	● ●●	620	720	
	Cast iron with spheroidal graphite	Ferritic	155	518	K5	● ●●	660	720	
		Pearlitic	265	885	K6	● ●●	430	490	
	GGV (CGI)		200	675	K7	● ●●	430	520	
N	Aluminum wrought alloys	Cannot be hardened	30	-	N1	●●			
		Hardenable, hardened	100	343	N2	●●			
	Cast aluminum alloys	≤ 12% Si, cannot be hardened	75	260	N3	●●			
		≤ 12% Si, hardenable, hardened	90	314	N4	●●			
		> 12% Si, cannot be hardened	130	447	N5	●●			
	Magnesium alloys		70	250	N6	●●			
	Copper and copper alloys (bronze/brass)	Non-alloyed, electrolytic copper	100	343	N7	●●			
		Brass, bronze, red brass	90	314	N8	●●			
		Cu-alloys, short-chipping	110	382	N9	●●			
		High-strength, Ampco	300	1013	N10	●●			
S	Heat-resistant alloys	Fe-based	Annealed	200	675	S1	●●		
			Hardened	280	943	S2	●●		
		Ni or Co base	Annealed	250	839	S3	●●		
			Hardened	350	1177	S4	●●		
			Cast	320	1076	S5	●●		
	Titanium alloys	Pure titanium	200	675	S6	●●			
		α and β alloys, hardened	375	1262	S7	●●			
		β alloys	410	1396	S8	●●			
	Tungsten alloys		300	1013	S9	●●			
	Molybdenum alloys		300	1013	S10	●●			
H	Hardened steel	Hardened and tempered	50 HRC	-	H1	●●			
		Hardened and tempered	55 HRC	-	H2	●●			
		Hardened and tempered	60 HRC	-	H3	●●			
	Hardened cast iron	Hardened and tempered	55 HRC	-	H4	●●			
O	Thermoplastics	Without abrasive fillers			O1	●● ●	1310	1310	
	Thermosetting plastics	Without abrasive fillers			O2	●● ●	980	980	
	Glass fiber reinforced plastic	GFRP			O3				
	Carbon fiber reinforced plastic	CFRP			O4				
	Aramid fiber reinforced plastic	AFRP			O5				
	Graphite (technical)		80 Shore		O6	●●			

- Recommended application (the specified cutting data is regarded as starting values for the recommended application)
- Possible application, reduce cutting data by 30–50%

¹ The classification of the machining groups can be found in the Walter General Catalog 2012 from page H 8 onwards.

² Cutting data can also be used without coolant.

* $a_e / D_c = 1 / 10$, $v_c = 10\%$ higher than 1 / 5

HC = Coated carbide

The specified cutting data are average recommended values.
For special applications, adjustment is recommended.

Cutting material grades								
Starting values for cutting speed v_c [SFM]								
HC								
Shoulder milling with full effective porcupine milling cutters WKP35G a_e / D_c^*		Slot milling with half effective porcupine milling cutters WKP35G a_e / D_c^*		Circular interpolation milling WKP35G a_e / D_c^*		Slot milling with slotting cutters WKP35G a_e / D_c^*		
1/2	1/5	1/1	1/5	1/1	1/5	1/4*	1/10	
640	820	640	820	720	890	640	820	
560	710	560	710	660	750	560	710	
510	620	510	620	690	750	520	670	
560	710	560	710	660	750	520	660	
430	480	430	480	460	520	430	480	
490	690	490	690	620	720	520	670	
560	710	560	710	660	790	560	710	
430	480	430	480	490	560	410	480	
280	330	280	330	360	430	280	310	
260	300	260	300	260	330	260	300	
330	390	330	390	390	460	330	390	
210	250	210	250	260	300	210	260	
200	230	200	230	230	260	200	230	
340	390	340	390	390	460	340	430	
200	230	200	230	200	230	200	280	
490	560	490	560	360	390	460	510	
390	460	390	460	430	520	440	480	
520	590	520	590	890	980	520	590	
390	460	390	460	490	590	390	460	
460	490	460	490	590	660	460	490	
340	380	340	380	390	460	360	390	
490	560	490	560	390	490	390	440	
1310	1310	1310	1310	980	980	1310	1310	
980	980	980	980	1310	1310	980	980	

Feed determination (starting values)

Cutter type		M2136	M2471		
Material group	<p>Feed per tooth f_{z0} for $a_e = D_c$ $a_p = a_{p \max} = L_c$</p>				
	Lead angle κ	90°			
	Page	238	242		
		f_{z0} [inch]	f_{z0} [inch]		
		f_{z0} [mm]	2.00–6.00	32–40	2.00–2.50
	Tool \emptyset or \emptyset range [inch]	50–160	32–40	40–63	
	Tool \emptyset or \emptyset range [mm]	50–160	32–40	40–63	
	Maximum depth of cut $a_{p \max} = L_c$ [inch]	0.256	0.236	0.236	
P	Non-alloyed steel ¹		0.007	0.009	
	Low-alloyed steel		0.007	0.006	
	High-alloyed steel and tool steel		0.005	0.006	
	Stainless steel		0.004	0.004	
M	Stainless steel ²		0.004	0.004	
K	Malleable cast iron	0.008			
	Grey cast iron	0.010			
	Cast iron with spheroidal graphite	0.008			
	GGV (CGI)	0.006			
N	Aluminum wrought alloys				
	Cast aluminum alloys				
	Magnesium alloys				
	Copper and copper alloys (bronze/brass)				
S	Heat-resistant alloys		0.004	0.004	
	Titanium alloys		0.004	0.004	
	Tungsten alloys		0.004	0.004	
	Molybdenum alloys		0.004	0.004	
H	Hardened steel				
	Hardened cast iron				
O	Thermoplastics				
	Plastic, carbon fiber reinforced Graphite (technical)				
Insert types		SENF1204..	RNMX1206..	RNMX1206..	
Correction factor K_{a_e}	$a_e / D_c = 1/1-1/2$	1.0	1.0	1.0	
	$1/5$	1.1	1.2	1.2	
	For the feed per tooth depending on the ratio of cut width a_e to cutter diameter D_c	$1/10$	1.2	1.5	1.5
	$1/20$	1.3	1.8	1.8	
	$1/50$		2.0	2.0	
Correction factor K_{a_p}	$a_p = 1$		1.5	1.6	
	2		1.2	1.3	
	3		1.0	1.1	
	4		1.0	1.0	
	6				
$f_z = f_{z0} \cdot K_{a_e} \cdot K_{a_p}$	8				
	$a_{p \max} = L_c$				

¹ and cast steel

² and austenitic/ferritic

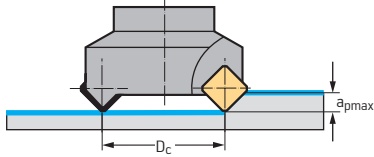
^{*} only possible if $a_p < 0.75 \times D_c$
^{**} Only with $a_e/D_c < 1/5$

The specified feed rates are average recommended values.
For special applications, adjustment is recommended.

M3024	M4003		F5055		
90°	45°		90°		
222	230	232	266 (Product innovations 15-1)		
f _{Z0} [inch]	f _{Z0} [inch]	f _{Z0} [inch]	f _{Z0} [inch]		
2.50-6.00	0.75-4.00	1.00-6.00			
63-160	20-100	25-160	63-160	63-250	63-250
0.236	0.177	0.256	0.079	0.118	0.157
0.017	0.008	0.010	0.003	0.004	0.005
0.015	0.006	0.008	0.003	0.004	0.004
0.013	0.006	0.008	0.003	0.004	0.004
0.009	0.005	0.006	0.002	0.003	0.004
0.007	0.004	0.005	0.002	0.003	0.004
0.013	0.008	0.010	0.003	0.004	0.004
0.022	0.010	0.012	0.003	0.004	0.005
0.017	0.008	0.010	0.003	0.004	0.004
0.011	0.007	0.008			
	0.005	0.006	0.003	0.004	0.004
	0.005	0.006	0.003	0.004	0.004
	0.004	0.005	0.003	0.004	0.004
	0.004	0.005	0.003	0.004	0.004
	0.004	0.005			
	0.004	0.005			
	0.004	0.005			
	0.004	0.006			
		0.006			
	0.004				
XNMU0906..	SD..09T3AZN..	SD..1204AZN..			
1.0	1.0	1.0	1.5	1.5	1.5
1.1	1.1	1.1	1.8	1.8	1.8
1.2	1.2	1.2	2.5	2.5	2.5
1.3	1.3	1.3	3.3	3.3	3.3
			5.8	5.8	5.8

Application information for M4003 face milling cutter

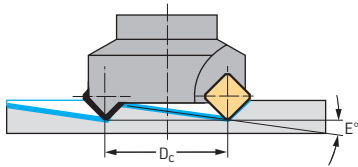
Face milling

 Max. milling depth a_p [mm]


	SD .. 09T3AZN	SP .. 1204AZN
a_p	4.5	6.5

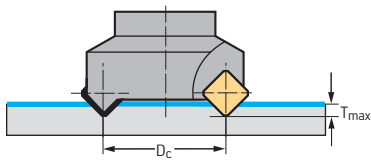
Ramping

Maximum feed angle E [°]



D_c [mm]	Metric		Inch		
	SD..09T3AZN..	SD..1204AZN..	D_c [inch]	SD..09T3AZN..	SD..1204AZN..
20	23.2		0.75	25.0	
25	16.9	25.9	1	16.5	25.3
32	12.1	17.9	1.25	12.3	18.1
40	9.1	13.2	1.5	9.7	14.0
50	7.0	9.8	2	6.8	9.6
63	5.3	7.4	2.5	5.3	7.3
80	4.0	5.6	3	4.3	5.9
100	3.1	4.3	4	3.1	4.2
125		3.4	5		3.3
160	6.8	2.6	6		2.7

Vertical plunging

 Max. plunging depth T_{max} [inch]


	SD..09T3AZN..	SD..1204AZN..
T_{max}	0.177	0.236

