

# Limited Time Savings on Long Edge End Mills

## 90° Long Edge Helical End Mill

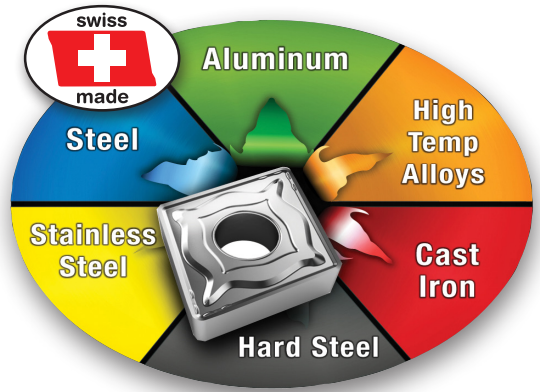
For heavy-duty roughing including: slotting, profiling, deep shoulder cutting and ramping



See other side of flyer for tool specs, to find the right tool for your specific application.

### Features

- Made from H13 tool steel for high performance
- Special nickel-based coating protects against rust and prolongs tool life
- Coolant thru tool design
- Use with APKT1003 inserts for best results in all materials

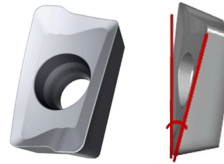


One insert cuts **ALL THESE** materials

Changing materials? Don't change inserts!

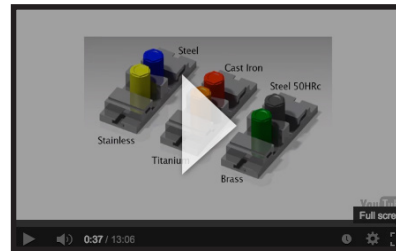
Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

### High-Performance APKT1003 Insert



- Increased helix angle for a smoother cut
- More accurate 90° shoulder
- Produces better surface finishes

### Watch our All-Material Inserts in action!



<http://ow.ly/FhPBk>

90° Long Edge Helical Cutter – Each package comes with one cutter and the listed quantity of inserts.

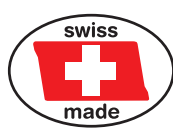
Order No.	End Mill	Description	Qty. Inserts	Inserts	Description	Reg. Price	Sale	You Save!
NP-089	1651238	IEM90-.75-1.15-CW.75-10	50	3154411	APKT 1003 PDTR-LT30	\$763.00	\$449.00	<b>\$314.00</b>
NP-090	1662251	IEM90-1.00-1.50-CW1.00-10	50	3154411	APKT 1003 PDTR-LT30	\$850.00	\$499.00	<b>\$351.00</b>
NP-091	1672237	IEM90-1.25-1.86-CW1.25-10	50	3154411	APKT 1003 PDTR-LT30	\$973.00	\$549.00	<b>\$424.00</b>

Customer Rewards for YOU!



<http://ow.ly/CfSPS>

Learn about our insert technology



<http://ow.ly/Cg1GC>

Get your speeds & feeds



<http://ow.ly/CfTe6>

Visit Techniks Cutting Tools online



<http://ow.ly/CfT54>

# Techniks Long Edge Helical Cutter



Our helical stacked long edge cutter is an excellent choice for rough profile or semi-finish milling.

Our long edge helical cutters improve performance in heavy milling applications and feature a positive rake angle for reduced spindle loads and softer cuts.

Now you can get the best roughing cutter and insert combination available and save some money too.

## Applications

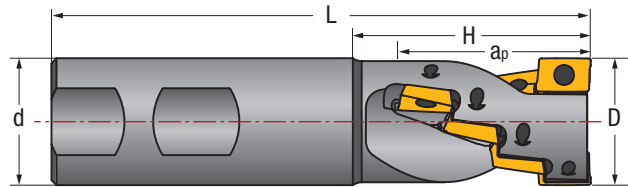
- For heavy-duty roughing including: slotting, profiling, deep shoulder cutting and ramping
- A great choice for steels, stainless, cast iron, hardened steels, high-temp alloys and aluminum

## Benefits

- High-helix design allows high feed rates and reduced cutting forces
- Very stable in the cut thanks to positive rake angles

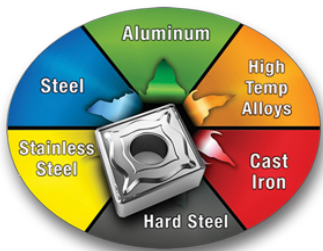


Backed by Techniks' 100% Satisfaction Guarantee.



## 90° Long Edge Helical Cutter

Part No.	Description	D	a <sub>p</sub>	Flutes	Inserts	H	L	d	Shank
1651238	IEM90-.75-1.15-CW.75-10	.75	1.15	1	4	1.43	3.50	.75	Weldon
1662251	IEM90-1.00-1.50-CW1.00-10	1.00	1.47	2	8	1.87	4.25	1.00	Weldon
1672237	IEM90-1.25-1.86-CW1.25-10	1.25	1.86	2	12	2.12	4.50	1.25	Weldon



Cuts **ALL THESE** Materials



Learn More



<http://ow.ly/RNTXK>

## High-Performance APKT1003 Insert

- Best insert for roughing. Cuts all steels, cast iron, exotics and aluminum
- Use our recommended speeds & feeds when changing materials and keep the same insert

Get Your  
Speeds & Feeds



<http://ow.ly/RL4wQ>

# Get a **FREE High Feed End Mill or Face Mill**

**Buy 20 inserts at our special reduced price!  
Get a free high feed end mill or face mill!**



One insert cuts **ALL THESE** materials

## All-Material Inserts Features

- Up to 60% faster machining
- Interchangeable with XDLT inserts
- Positive clearance optimized for helical ramping



**Save 30%**

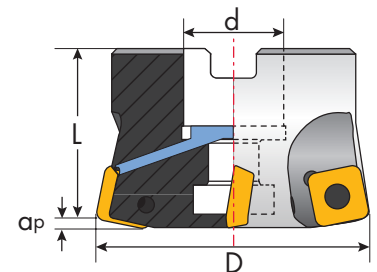
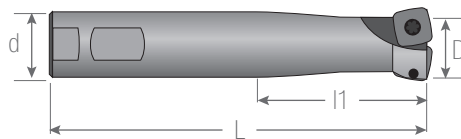
No limits on orders – ask about volume discounts.  
Offer good while supplies last.

Part No.	Description	Qty. Inserts	Reg. Each	Sale Each	Sale Price (20)	You Save!
2503095	End Mill Inserts-SDKX0904HF-LT30	20	\$14.70	\$10.29	\$205.80	<b>\$88.20</b>
2503096	Face Mill Inserts-SDKX1205HF-LT30	20	\$18.10	\$12.67	\$253.40	<b>\$108.60</b>

## Select your end mills or face mills:

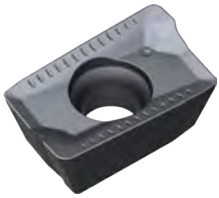
### Benefits

- Higher feed rates for faster cutting
- Less radial cutting forces
- Coolant-thru for excellent chip evacuation

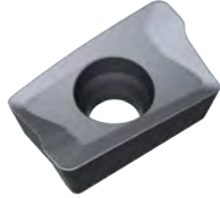


Part No.	Description	D	d	Pockets	L	l1	Ap max	R.Prog
6602119	End Mill-SDHF 1.00-1.00CW-5.00-2-09	1.00	1.00	2	5	2.36	.059	.079
6602120	End Mill-SDHF 1.00-1.00CW-8.00-2-09	1.00	1.00	2	8	2.53	.059	.079
6602121	End Mill-SDHF 1.25-1.25CW-5.00-3-09	1.25	1.25	3	5	2.36	.059	.079
6602122	End Mill-SDHF 1.25-1.25CW-8.00-3-09	1.25	1.25	3	8	2.53	.059	.079
2928820	Face Mill-SDHF 2.00-.750C-4-12	2.00	.75	4	1.574	-	.098	.098
2828825	Face Mill-SDHF 2.50-.750C-5-12	2.50	.75	5	1.574	-	.098	.098
2938830	Face Mill-SDHF 3.00-1.000C-6-12	3.00	1.00	6	1.97	-	.098	.098
2948840	Face Mill-SDHF 4.00-1.250C-7-12	4.00	1.25	7	1.97	-	.098	.098

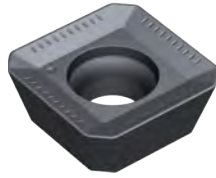
# Save Big on Techniks Top-Performing Inserts



ADKT



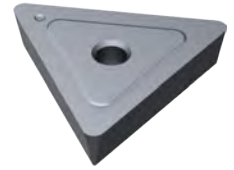
APKT



SDKT



SDKX



TPUN

Part No.	Description	Compatible With	Reg. Price	Sale	You Save!
1506065	ADKT1505PDTR-LT30	Iscar HM90 Cutters	\$9.60	\$6.50	<b>\$3.10</b>
3154422	APKT100304 PDTR LT30	Iscar HM90 Cutters	\$7.90	\$4.35	<b>\$2.65</b>
3154411	APKT1003PDTR-LT30	Iscar HM90 Cutters	\$7.90	\$4.35	<b>\$2.65</b>
1506075	APKT1604 PDTR-LT30	Ingersoll, Seco, Stellram Cutters	\$9.60	\$6.50	<b>\$3.10</b>
3254411	SDKT1204AETN-LT30	Walter Cutters	\$9.60	\$6.50	<b>\$3.10</b>
2503095	SDKX0904HF-LT30	Stellram High Feed Cutters	\$14.70	\$7.35	<b>\$4.90</b>
2503096	SDKX1205HF-LT30	Stellram High Feed Cutters	\$18.10	\$9.05	<b>\$5.60</b>
2506169	SEKT12T3AGSN-LT30	Sandvik R245 Cutters	\$9.60	\$6.50	<b>\$3.10</b>
3567745	TPKN43PDTR-LT30	Iscar 90 Degree Milling Cutters	\$10.45	\$7.00	<b>\$3.45</b>
3567761	TPUN322-LT30	Standard ISO Milling Insert	\$6.40	\$4.25	<b>\$2.15</b>

\*Prices shown are per insert. Sold only in packs of 10.

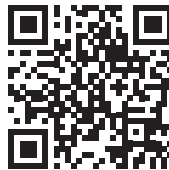
**Our inserts are compatible with a wide range of other cutter bodies.** Don't see what you need here? We carry one of the largest selections of inserts for all types of tooling and applications. *Contact us today!*



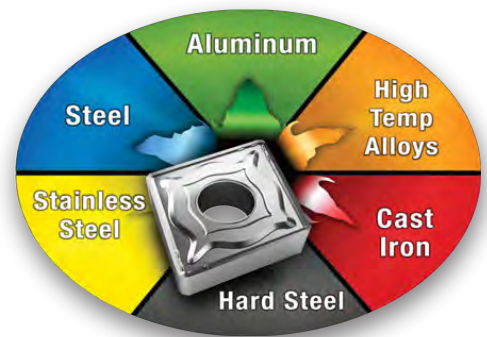
Get your speeds & feeds at <http://ow.ly/CfTe6> or scan the QR code



Watch our All-Material Inserts in action!



<http://ow.ly/CfTe6>



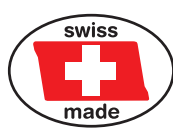
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Visit Techniks Cutting Tools online



<http://ow.ly/CfT54>

# Limited Time Savings on Techniks Turning Inserts

Techniks LT1000 insert grades feature our patented, specially formulated coating that provides unmatched performance in ALL materials.



Watch our video >>



CCMT



DCMT



TCMT



VCMT

## Positive Turning Inserts

### 80 Degree Diamonds

Part No.	Description	Operation	Regular	Sale
3668011	CCMT 21.51 NN-LT1000	finishing	\$7.74	<b>\$3.87</b>
3668021	CCMT 32.51 NN-LT1000	finishing	\$8.39	<b>\$4.19</b>
3668026	CCMT 32.52 NN-LT1000	general	\$8.39	<b>\$4.19</b>

### 55 Degree Diamonds

Part No.	Description	Operation	Regular	Sale
3768811	DCMT 21.51 NN-LT1000	finishing	\$7.74	<b>\$4.19</b>
3768821	DCMT 32.51 NN-LT1000	finishing	\$8.39	<b>\$4.19</b>
3768826	DCMT 32.52 NN-LT1000	general	\$8.39	<b>\$4.19</b>

### 60 Degree Triangles

Part No.	Description	Operation	Regular	Sale
3568831	TCMT 21.51 NN-LT1000	finishing	\$8.39	<b>\$4.19</b>
3568841	TCMT 21.52 NN-LT1000	general	\$8.39	<b>\$4.19</b>
3568851	TCMT 32.51 NN-LT1000	finishing	\$9.19	<b>\$4.59</b>
3568861	TCMT 32.52 NN-LT1000	general	\$9.19	<b>\$4.59</b>

### 35 Degree Diamonds

Part No.	Description	Operation	Regular	Sale
8608831	VCMT 331 NN-LT1000	finishing	\$12.88	<b>\$6.44</b>
8608836	VCMT 332 NN-LT1000	general	\$12.88	<b>\$6.44</b>



CNMG



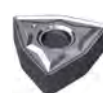
DNMG



TNMG



VNMG



WNMG

## Negative Turning Inserts

### 80 Degree Diamonds

Part No.	Description	Operation	Regular	Sale
6608011	CNMG 431 NN-LT1000	finishing	\$9.70	<b>\$4.85</b>
6608016	CNMG 432 NN-LT1000	general	\$9.70	<b>\$4.85</b>
6608026	CNMG 432 NX-LT1000	general	\$9.70	<b>\$4.85</b>
6608031	CNMP 432 NN-LT1000	general	\$9.70	<b>\$4.85</b>
6608021	CNMG 433 NN-LT1000	roughing	\$9.70	<b>\$4.85</b>
6608036	CNMP 433 NN-LT1000	medium-rough	\$9.70	<b>\$4.85</b>

### 55 Degree Diamonds

Part No.	Description	Operation	Regular	Sale
7608011	DNMG 331 NN-LT1000	finishing	\$9.70	<b>\$4.85</b>
7608016	DNMG 332 NN-LT1000	general	\$9.70	<b>\$4.85</b>
7608021	DNMG 431 NN-LT1000	finishing	\$12.88	<b>\$6.44</b>
7608026	DNMG 432 NN-LT1000	general	\$12.88	<b>\$6.44</b>
7608031	DNMG 433 NN-LT1000	roughing	\$12.88	<b>\$6.44</b>

### 60 Degree Triangles

Part No.	Description	Operation	Regular	Sale
3578011	TNMG 331 NN-LT1000	finishing	\$9.19	<b>\$4.59</b>
3578016	TNMG 332 NN-LT1000	general	\$9.19	<b>\$4.59</b>
3578021	TNMG 333 NN-LT1000	roughing	\$9.19	<b>\$4.59</b>
3578026	TNMP 332 NN-LT1000	finishing	\$9.19	<b>\$4.59</b>
3571934	TNMG 431 NN-LT1000	general	\$12.88	<b>\$6.44</b>
3571935	TNMG 432 NN-LT1000	general	\$12.88	<b>\$6.44</b>
3573013	TNMG 432 NX-LT1000	general	\$12.88	<b>\$6.44</b>
3571936	TNMG 433 NN-LT1000	roughing	\$12.88	<b>\$6.44</b>

### 35 Degree Diamonds

Part No.	Description	Operation	Regular	Sale
8608011	VNMG 331 NN-LT1000	finishing	\$12.88	<b>\$6.44</b>
8608016	VNMG 332 NN-LT1000	general	\$12.88	<b>\$6.44</b>

### 80 Degree Trigon

Part No.	Description	Operation	Regular	Sale
3461949	WNMG 331 NN-LT1000	finishing	\$9.19	<b>\$4.59</b>
3461950	WNMG 332 NN-LT1000	general	\$9.19	<b>\$4.59</b>
3463014	WNMG 332 NX-LT1000	general	\$9.19	<b>\$4.59</b>
4608011	WNMG 431 NN-LT1000	finishing	\$10.86	<b>\$5.43</b>
4608016	WNMG 432 NN-LT1000	general	\$10.86	<b>\$5.43</b>
4608023	WNMG 432 NM-LT1000	medium-rough	\$10.86	<b>\$5.43</b>
4608021	WNMG 432 NX-LT1000	general	\$10.86	<b>\$5.43</b>
4608026	WNMG 433 NN-LT1000	roughing	\$10.86	<b>\$5.43</b>
4608031	WNMP 432 NN-LT1000	finishing	\$10.86	<b>\$5.43</b>

## CHIP BREAKERS



**NN** --> Traditional chip breaker for Multi-Material applications, mainly roughing to semi-finishing  
**NX** --> New Multi-Material chip breaker, used for roughing to finishing, avoid severe interrupted cuts  
**...P** --> Positive chip breaker, for soft steels, austenitic SS and high temperature alloys - light cuts & finishing  
**NM** --> First choice for extreme roughing of alloy steels and cast irons

# Limited Time Savings on Face Mill Packages

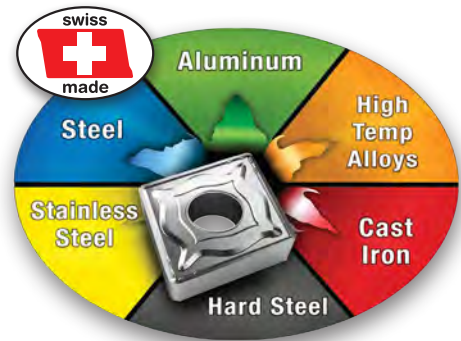
## 45° & 90° Face Mill Packages

For facing, plunging, ramping, and pocket milling



45° Face Mill packages includes SEKT inserts

90° Face Mill packages includes our new design high-helix APKT inserts for smoother cutting.



One insert cuts **ALL THESE** materials

Changing materials? Don't change inserts!

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

Watch our All-Material Inserts in action!



<http://ow.ly/FhPBk>

### 45° Face Mill Packages

Order No.	Face Mill	Description	Qty. Inserts	Inserts	Description	Reg. Price	Sale	You Save!
NP-001	2521234	FM45-2.00C-.750-4-13 (2"-CT)	40	2506169	SEKT12T3AGSN-LT30	\$644.00	\$384.00	<b>\$260.00</b>
NP-002	2531235	FM45-3.00C-1.25-6-13 (3"-CT)	60	2506169	SEKT12T3AGSN-LT30	\$960.00	\$576.00	<b>\$684.00</b>
NP-003	2541236	FM45-4.00C-1.25-7-13 (4"-CT)	70	2506169	SEKT12T3AGSN-LT30	\$1,120.00	\$672.00	<b>\$448.00</b>
NP-004	2551237	FM45-5.00C-1.50-8-13 (5"-CT)	80	2506169	SEKT12T3AGSN-LT30	\$1,344.00	\$768.00	<b>\$576.00</b>

### 90° Face Mill Packages

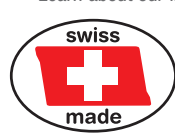
Order No.	Face Mill	Description	Qty. Inserts	Inserts	Description	Reg. Price	Sale	You Save!
NP-005	2621234	FM90-2.00C-.750-4-16 (2"-CT)	40	1506075	APKT1604PDTR-LT30	\$644.00	\$384.00	<b>\$260.00</b>
NP-006	2621244	FM90-2.00C-.750-5-16 (2"-CT)	50	1506075	APKT1604PDTR-LT30	\$805.00	\$480.00	<b>\$325.00</b>
NP-006.5	2621235	FM90-2.50C-1.00-5-16 (2.5"-CT)	50	1506075	APKT1604PDTR-LT30	\$816.00	\$430.00	<b>\$386.00</b>
NP-007	2631235	FM90-3.00C-1.25-6-16 (3"-CT)	60	1506075	APKT1604PDTR-LT30	\$960.00	\$576.00	<b>\$384.00</b>
NP-008	2641236	FM90-4.00C-1.25-7-16 (4"-CT)	70	1506075	APKT1604PDTR-LT30	\$1,120.00	\$672.00	<b>\$448.00</b>
NP-009	2651237	FM90-5.00C-1.50-8-16 (5"-CT)	80	1506075	APKT1604PDTR-LT30	\$1,344.00	\$768.00	<b>\$576.00</b>
NP-009.5	2621238	FM90-6.00-2.00-10-16 (6"-CT)	100	1506075	APKT1604PDTR-LT30	\$1,810.00	\$960.00	<b>\$850.00</b>

Customer Rewards for YOU!



<http://ow.ly/CfSPS>

Learn about our insert technology



<http://ow.ly/Cg1GC>

Get your speeds & feeds



<http://ow.ly/CfTe6>

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# Limited Time Savings on End Mill Packages

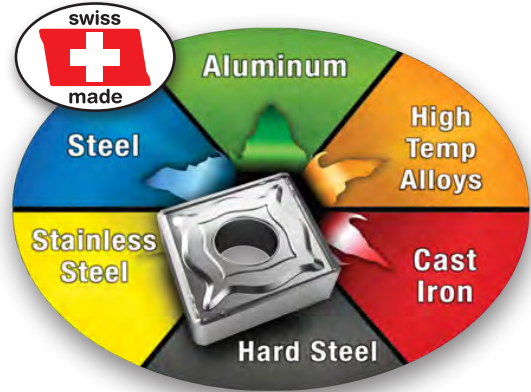
## Non-Coolant/Coolant-Thru End Mills

For facing, plunging, ramping, and pocket milling



APKT1003 inserts      APKT1604 inserts

Our new high-helix APKT inserts provide smoother cutting.



**One insert cuts ALL THESE materials**  
**Changing materials? Don't change inserts!**

*Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.*

### End Mill Packages: Non-Coolant

Order No.	End Mill	Description	Qty. Inserts	Inserts	Description	Reg. Price	Sale	You Save!
NP-010	1631234	IEM90-.500-.500-4.00-1-10 (1/2")	20	3154411	APKT1003PDTR-LT30	\$323.00	\$157.00	<b>\$166.00</b>
NP-011	1641235	IEM90-.625-.625-5.00-2-10 (5/8")	20	3154411	APKT1003PDTR-LT30	\$343.00	\$157.00	<b>\$186.00</b>
NP-011.5	1641236	IEM90-.625-.625-7.00-2-10	20	3154411	APKT1003PDTR-LT30	\$356.00	\$165.00	<b>\$191.00</b>
NP-012	1651236	IEM90-.750-.750-5.00-2-10 (3/4")	20	3154411	APKT1003PDTR-LT30	\$363.00	\$157.00	<b>\$206.00</b>
NP-013	1652336	IEM90-.750-.750CW-3.50-3-10	30	3154411	APKT1003PDTR-LT30	\$497.00	\$236.00	<b>\$261.00</b>
NP-013.5	1651237	IEM90-.750-.750-8.00-2-10	20	3154411	APKT1003PDTR-LT30	\$360.00	\$157.00	<b>\$203.00</b>
NP-014	1661237	IEM90-1.00-1.00-6.00-3-10 (1")	30	3154411	APKT1003PDTR-LT30	\$462.00	\$236.00	<b>\$226.00</b>
NP-014.5	1661238	IEM90-1.00-1.00-7.87-3-10	30	3154411	APKT1003PDTR-LT30	\$462.00	\$236.00	<b>\$226.00</b>
NP-014.7	1671239	IEM90-1.00-1.00-7.87-2-16	20	1506075	APKT1604PDTR-LT30	\$417.00	\$225.00	<b>\$192.00</b>
NP-015	1676238	IEM90-1.25-1.25-6.00-3-16 (1-1/4")	30	1506075	APKT1604PDTR-LT30	\$533.00	\$288.00	<b>\$245.00</b>
NP-016	1686239	IEM90-1.50-1.25-6.00-4-16 (1-1/2")	40	1506075	APKT1604PDTR-LT30	\$649.00	\$384.00	<b>\$265.00</b>

### End Mill Packages: Coolant-Thru

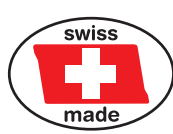
Order No.	End Mill	Description	Qty. Inserts	Inserts	Description	Reg. Price	Sale	You Save!
NP-017	1632234	IEM90-.500-.500C-4.00-1-10 (1/2"-CT-H13)	20	3154411	APKT1003PDTR-LT30	\$333.00	\$157.00	<b>\$176.00</b>
NP-018	1642235	IEM90-.625-.625C-5.00-2-10 (5/8"-CT-H13)	20	3154411	APKT1003PDTR-LT30	\$353.00	\$157.00	<b>\$196.00</b>
NP-019	1652236	IEM90-.750-.750C-5.00-2-10 (3/4"-CT-H13)	20	3154411	APKT1003PDTR-LT30	\$373.00	\$157.00	<b>\$216.00</b>
NP-020	1662237	IEM90-1.00-1.00C-6.00-3-10 (1"-CT-H13)	30	3154411	APKT1003PDTR-LT30	\$472.00	\$236.00	<b>\$236.00</b>
NP-021	1662250	IEM90-1.00-1.00CW-3.50-2-16 (1"-CT-W-H13)	20	1506075	APKT1604PDTR-LT30	\$392.00	\$170.00	<b>\$222.00</b>
NP-022	1672238	IEM90-1.25-1.25C-6.00-3-16 (1-1/4"-CT-H13)	30	1506075	APKT1604PDTR-LT30	\$543.00	\$255.00	<b>\$288.00</b>
NP-023	1682239	IEM90-1.50-1.25C-6.00-4-16 (1-1/2"-CT-H13)	40	1506075	APKT1604PDTR-LT30	\$659.00	\$340.00	<b>\$319.00</b>

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# Limited Time Savings on Turning Toolholders

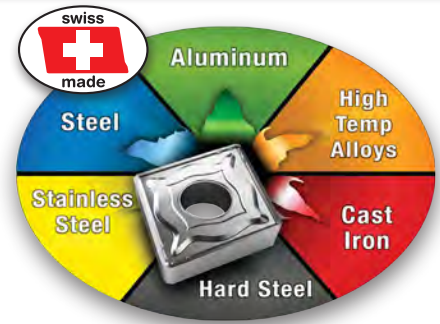
## Turning Toolholder Packages

For turning, facing and profiling



Features:

- 93° and 95° lead angles
- Uses two-sided inserts



One insert cuts **ALL THESE** materials  
Changing materials? Don't change inserts!

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

Watch our All-Material Inserts in action!



<http://ow.ly/FhPBk>

Each package includes one turning tool and 10 inserts.

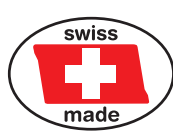
Order No.	Turning Tool Holder	Description	Shank Size	Qty Of Inserts	Insert	Description	Reg.Price	Sale	You Save!
NP-032	8669911	MCLNR-16-4D	1" Square	10	6607033	CNMG432NN-LT10	173.50	89.00	<b>84.50</b>
NP-033	8669912	MCLNL-16-4D	1" Square	10	6607033	CNMG432NN-LT10	173.50	89.00	<b>84.50</b>
NP-034	8679923	MDJNR16-3D	1" Square	10	7607065	DNMG332NN-LT10	173.50	89.00	<b>84.50</b>
NP-035	8679924	MDJNL16-3D	1" Square	10	7607065	DNMG332NN-LT10	173.50	89.00	<b>84.50</b>
NP-036	8679921	MDJNR16-4D	1" Square	10	7607073	DNMG432NN-LT10	202.00	99.00	<b>103.00</b>
NP-037	8679922	MDJNL16-4D	1" Square	10	7607073	DNMG432NN-LT10	202.00	99.00	<b>103.00</b>
NP-038	8699911	MTJNR16-3D	1" Square	10	3567721	TNMG332NN-LT10	169.00	89.00	<b>80.00</b>
NP-039	8699915	MTJNL16-3D	1" Square	10	3567721	TNMG332NN-LT10	169.00	89.00	<b>80.00</b>
NP-040	8699921	MTJNR16-4D	1" Square	10	3573036	TNMG432NN-LT10	202.50	99.00	<b>103.50</b>
NP-041	8699925	MTJNL16-4D	1" Square	10	3573036	TNMG432NN-LT10	202.50	99.00	<b>103.50</b>
NP-042	8689931	MVJNR-16-3D	1" Square	10	8607245	VNMG332NN-LT10	202.50	99.00	<b>103.50</b>
NP-043	8689932	MVJNL-16-3D	1" Square	10	8607245	VNMG332NN-LT10	202.50	99.00	<b>103.50</b>
NP-044	8649941	MWLN-16-4D	1" Square	10	4607261	WNMG432NN-LT10	184.00	89.00	<b>95.00</b>
NP-045	8649942	MWLN-16-4D	1" Square	10	4607261	WNMG432NN-LT10	184.00	89.00	<b>95.00</b>

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# Limited Time Savings on Drill Packages

## Indexable Drill Packages



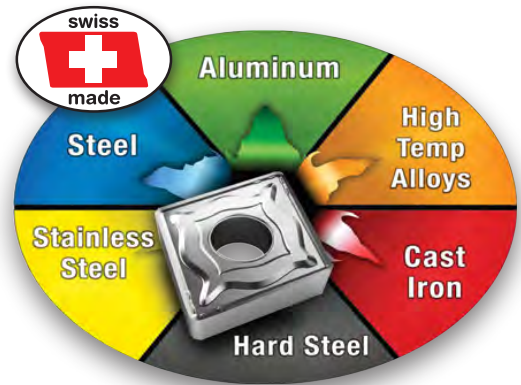
### Features:

- Made from H-13 tool steel and nickel-coated for long life
- Special O-ring design to help seal coolant

### Innovative WCMX All-Material Inserts



- Trigon geometry for drilling
- Strong cutting edges for high feeds
- Fits other brands



One insert cuts ALL THESE materials  
Changing materials? Don't change inserts!

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

Watch our All-Material Inserts in action!



<http://ow.ly/FhPBk>

Each package includes one drill and 10 inserts.

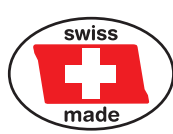
Order No.	Drill	Description	Drill Size	Drill Depth	Qty Of Inserts	Insert	Description	Reg. Price	Sale	You Save!
NP-046	1741234	4WD.625-.750C-2.50-3	5/8"	2.50"	10	3441111	WCMX030208R53-201	432.00	229.00	<b>203.00</b>
NP-047	1751244	4WD.750-.750C-3.00-3	3/4"	3.00"	10	3441111	WCMX030208R53-201	432.00	229.00	<b>203.00</b>
NP-048	1751254	4WD.875-1.00C-3.50-4	7/8"	3.50"	10	3441121	WCMX040208NN-LT30	469.00	249.00	<b>220.00</b>
NP-049	1761264	4WD1.00-1.00C-4.00-4	1"	4.00"	10	3441121	WCMX040208NN-LT30	469.00	249.00	<b>220.00</b>
NP-050	1771284	4WD1.25-1.25C-5.00-6	1-1/4"	5.00"	10	3441131	WCMX06T308NN-LT30	559.00	299.00	<b>260.00</b>
NP-051	1771294	4WD1.375-1.25C-5.50-6	1-3/8"	5.50"	10	3441131	WCMX06T308NN-LT30	679.00	359.00	<b>320.00</b>
NP-052	1781334	4WD1.50-1.25C-6.00-6	1-1/2"	6.00"	10	3441131	WCMX06T308NN-LT30	679.00	359.00	<b>320.00</b>
NP-053	1781354	4WD1.75-1.50C-7.00-6	1-3/4"	7.00"	10	3441131	WCMX06T308NN-LT30	759.00	399.00	<b>360.00</b>
NP-054	1781374	4WD2.00-1.50C-8.00-8	2"	8.00"	10	3441135	WCMX080412NN-LT30	829.00	439.00	<b>390.00</b>
NP-055	1791394	4WD2.25-1.50C-9.00-8	2-1/4"	9.00"	10	3441135	WCMX080412NN-LT30	919.00	489.00	<b>430.00</b>

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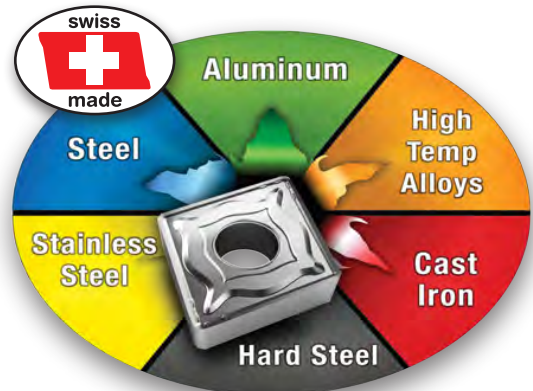


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# Limited Time Savings on High Feed Milling

## High Feed Face Mill & End Mill Packages

For facing, plunging, ramping, and pocket milling



One insert cuts **ALL THESE** materials  
Changing materials? Don't change inserts!

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

### Innovative SNKX All-Material Inserts



- Double-sided insert provides 8 cutting edges
- Strong helical edges reduces spindle load
- Fits other brands



### High-Feed Face Mill Packages – Coolant-Thru

Order No.	Face Mill	Description	Pockets	Qty. Inserts	Inserts	Description	Regular	Sale	You Save!
NP-024	9202123	HF-2.00-.750C-4SN9	4	40	2502115	SNKX09T3-HF-LT30	920.00	496.00	<b>424.00</b>
NP-025	9212124	HF-2.50-.075C-5SN9	4	50	2502115	SNKX09T3-HF-LT30	1,095.00	620.00	<b>475.00</b>
NP-026	9353123	HF-3.00-1.00C-6SN9	6	60	2502115	SNKX09T3-HF-LT30	1,335.00	744.00	<b>591.00</b>
NP-027	9474123	HF-4.00-1.25C-7SN9	7	70	2502115	SNKX09T3-HF-LT30	1,585.00	868.00	<b>717.00</b>

### High-Feed End Mill Packages – Coolant-Thru

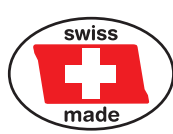
Order No.	End Mill	Description	Pockets	Qty. Inserts	Inserts	Description	Regular	Sale	You Save!
NP-028	6602118	HFEM-1.00-1.00CW-5.00-3SN9	3	30	2502115	SNKX09T3-HF-LT30	645.00	372.00	<b>273.00</b>
NP-029	6602117	HFEM-1.00-1.00CW-8.00-3SN9	3	30	2502115	SNKX09T3-HF-LT30	690.00	372.00	<b>318.00</b>
NP-030	6702119	HFEM-1.25-1.25CW-5.00-4SN9	4	40	2502115	SNKX09T3-HF-LT30	825.00	496.00	<b>329.00</b>
NP-031	6702120	HFEM-1.25-1.25CW-8.00-3SN9	3	30	2502115	SNKX09T3-HF-LT30	720.00	372.00	<b>348.00</b>

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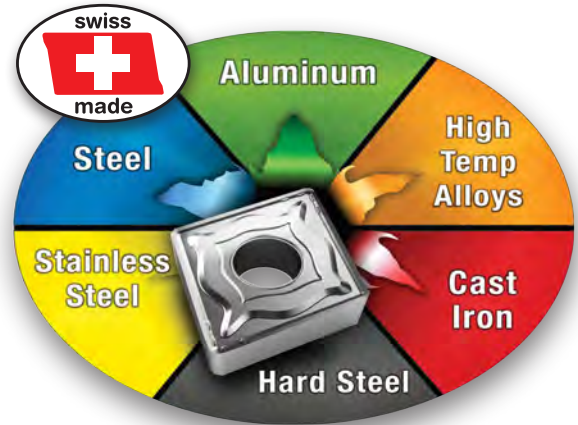
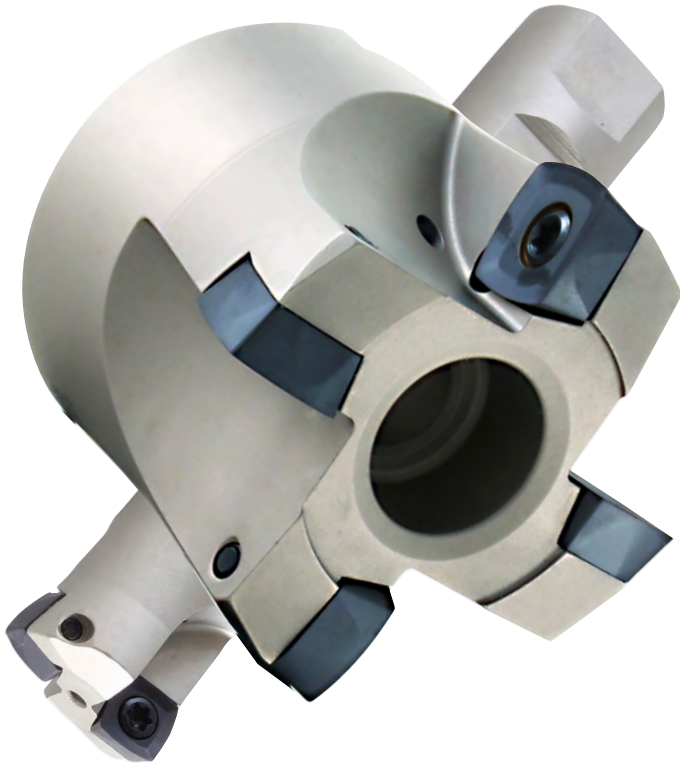


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# Package Savings on Techniks Milling Tools

## High Feed Milling Packages

For facing, plunging, ramping, and pocket milling



One insert cuts **ALL THESE** materials  
Changing materials? Don't change inserts!

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

### Innovative SDKX All-Material Inserts



- Positive clearance optimized for helical ramping
- Up to 60% faster machining
- Fits other brands



### Face Mill Packages: Coolant-thru

Order No.	Face Mill	Description	Qty. Inserts	Insert	Description	Reg. Price	Sale	You Save!
NP-077	2928820	SDHF 2.00-.750C-4-12	20	2503096	SDKX1205HF-LT30	\$690.00	\$379.00	<b>\$311.00</b>
NP-078	2928825	SDHF 2.50-.750C-5-12	20	2503096	SDKX1205HF-LT30	\$718.00	\$389.00	<b>\$329.00</b>
NP-079	2938830	SDHF 3.00-1.00C-6-12	20	2503096	SDKX1205HF-LT30	\$814.00	\$419.00	<b>\$395.00</b>
NP-080	2948840	SDHF 4.00-1.25C-7-12	20	2503096	SDKX1205HF-LT30	\$878.00	\$449.00	<b>\$429.00</b>

### End Mill Packages: Coolant-Thru

Order No.	Face Mill	Description	Qty. Inserts	Insert	Description	Reg. Price	Sale	You Save!
NP-085	6602119	SDHF 1.00-1.00CW-5.00-2-09	20	2503096	SDKX0904HF-LT30	\$474.00	\$286.00	<b>\$188.00</b>
NP-086	6602120	SDHF 1.00-1.00CW-8.00-2-09	20	2503096	SDKX0904HF-LT30	\$542.00	\$320.00	<b>\$222.00</b>
NP-087	6602121	SDHF 1.25-1.25CW-5.00-3-09	20	2503096	SDKX0904HF-LT30	\$486.00	\$293.00	<b>\$193.00</b>
NP-088	6602122	SDHF 1.25-1.25CW-8.00-3-09	20	2503096	SDKX0904HF-LT30	\$554.00	\$333.00	<b>\$221.00</b>

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# Limited Time Savings on Aluminum Milling

## Face Mill & End Mill Packages for Aluminum Milling

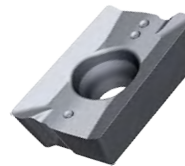


One insert cuts **ALL THESE** materials

Changing materials? **Don't change inserts!**

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

### APGT Aluminum Milling Inserts



- Special chromium-nitrate coating for aluminum & titanium milling
- Super positive rake angle
- Special chip breaker design



### 90° Face Mill Packages: Coolant-thru

Order No.	Face Mill	Description	Qty.Inserts	Insert	Description	Reg. Price	Sale	You Save!
NP-060	2621234	FM90-2.00C-.750-4-16	40	1506505	APGT1604PDER-ALU-LT05	\$678.00	\$418.00	<b>\$340.00</b>
NP-061	2621244	FM90-2.00C-.750-5-16	50	1506505	APGT1604PDER-ALU-LT05	\$847.50	\$523.00	<b>\$324.50</b>
NP-062	2631235	FM90-3.00C-1.25-6-16	60	1506505	APGT1604PDER-ALU-LT05	\$1,011.00	\$627.00	<b>\$384.00</b>
NP-063	2641236	FM90-4.00C-1.25-7-16	70	1506505	APGT1604PDER-ALU-LT05	\$1,179.50	\$732.00	<b>\$447.50</b>
NP-064	2651237	FM90-5.00C-1.50-8-16	80	1506505	APGT1604PDER-ALU-LT05	\$1,412.00	\$836.00	<b>\$576.00</b>

### 90° End Mill Packages: Coolant-Thru

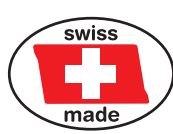
Order No.	Face Mill	Description	Qty.Inserts	Insert	Description	Reg. Price	Sale	You Save!
NP-065	1632234	IEM90-.500-.500C-4.00-1-10	20	1506501	APGT1003PDER-ALU-LT05	\$359.00	\$184.00	<b>\$175.00</b>
NP-066	1642235	IEM90-.625-.625C-5.00-2-10	20	1506501	APGT1003PDER-ALU-LT05	\$379.00	\$184.00	<b>\$175.00</b>
NP-067	1652336	IEM90-.750-.750CW-3.50-3-10	30	1506501	APGT1003PDER-ALU-LT05	\$491.00	\$276.00	<b>\$215.00</b>
NP-068	1652236	IEM90-.750-.750C-5.00-2-10	20	1506501	APGT1003PDER-ALU-LT05	\$444.00	\$184.00	<b>\$260.00</b>
NP-069	1662237	IEM90-1.00-1.00C-6.00-3-10	30	1506505	APGT1003PDER-ALU-LT05	\$511.00	\$276.00	<b>\$235.00</b>
NP-070	1662250	IEM90-1.00-1.00CW-3.50-2-16	20	1506505	APGT1604PDER-ALU-LT05	\$384.00	\$209.00	<b>\$175.00</b>
NP-071	1672238	IEM90-1.25-1.25C-6.00-3-16	30	1506505	APGT1604PDER-ALU-LT05	\$568.50	\$314.00	<b>\$254.50</b>
NP-072	1682239	IEM90-1.50-1.25C-6.00-4-16	40	1506505	APGT1604PDER-ALU-LT05	\$693.00	\$418.00	<b>\$275.00</b>

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# Limited Time Savings on Heavy Duty Face Mills

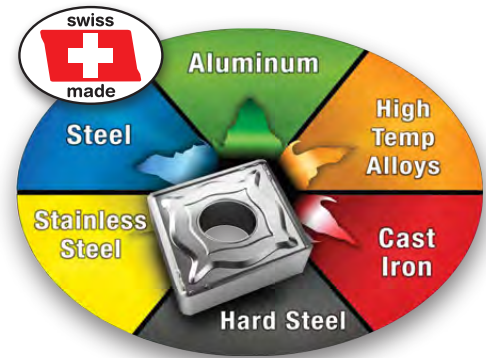
## Heavy Duty Face Mill Packages

For heavy cuts in steel, stainless steel, and cast iron



### Features:

- 45° positive rake angle
- Made from H-13 tool steel and nickel-coated for long life

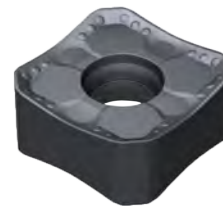


One insert cuts **ALL THESE** materials

Changing materials? Don't change inserts!

Simply run our inserts at the speeds & feeds on the back of the package for increased productivity AND reduced tool costs.

### Innovative SNKX All-Material Inserts



- Double-sided insert provides 8 cutting edges
- Strong helical edges reduces spindle load
- Fits other brands

Watch our All-Material Inserts in action!



<http://ow.ly/FhPBk>

Each package includes one face mill and 20 inserts.

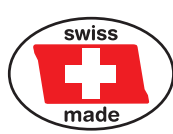
Order No.	Face Mill	Description	Pockets	Qty. Inserts	Insert	Description	Reg. Price	Sale	You Save!
NP-081	2531237	FM45-D3.00-1.25-5-16	5	20	2502205	SNKX1607-45-LT30	\$818.00	\$399.00	\$419
NP-082	2541238	FM45-D4.00-1.50-7-16	7	20	2502205	SNKX1607-45-LT30	\$974.00	\$499.00	\$475
NP-083	2551239	FM45-D5.00-1.50-8-16	8	20	2502205	SNKX1607-45-LT30	\$1,130.00	\$599.00	\$531
NP-084	2561240	FM45-D6.00-2.00-10-16	10	20	2502205	SNKX1607-45-LT30	\$1,482.00	\$699.00	\$783

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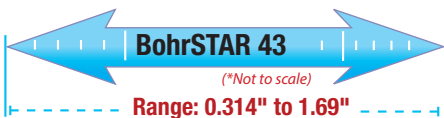
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# BohrSTAR Boring Kits – Range 3/4" - 8.27"

*Techniks accuracy and rigidity  
now in the kit sizes you need!*

## Features

- Dial adjustable 0.0001" increments
- Choose Rhombic or Triangular kits
- Includes everything you need\*  
(\*except toolholders – see other side)



Order No.	Description	Price
6991210	BohrSTAR43 Rhombic Kit	<b>\$1,530.00</b>
6991215	BohrSTAR43 Triangular Kit	<b>\$1,530.00</b>



Get more information about our BohrSTAR boring kits online at:  
<http://ow.ly/FNMQ4>



Order No.	Description	Price
6991220	BohrSTAR100 Rhombic Kit	<b>\$1,925.00</b>
6991235	BohrSTAR100 Triangular Kit	<b>\$1,925.00</b>

### Rhombic Kits Include:



- 1 Pc. EPMT 1.5\_
- 3 Pcs. CCMT 21.5\_
- 3 Pcs. CCMT 32.5\_

### Triangular Kits Include:



- 2 Pcs. TCMT 1.2\_
- 3 Pcs. TCMT 1.8\_
- 2 Pcs. TCMT 32.5\_

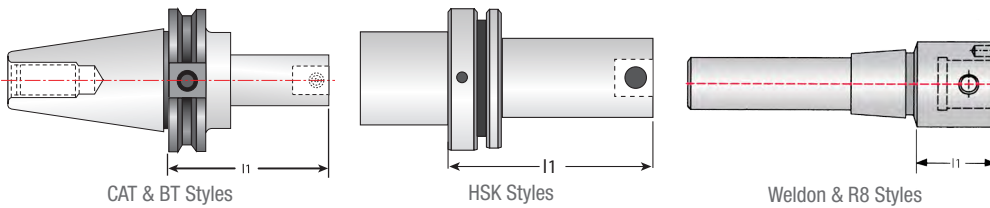


Order No.	Description	Price
6991230	BohrSTAR170 Rhombic Kit	<b>\$2,640.00</b>
6991250	BohrSTAR170 Triangular Kit	\$2,640.00



Order No.	Description	Price
6991245	BohrSTAR210 Rhombic Kit	<b>\$2,815.00</b>
6991240	BohrSTAR210 Triangular Kit	<b>\$2,815.00</b>

# BohrSTAR Boring Kits – Range 3/4" - 8.27"



## Features

- Exceed industry standards for taper accuracy and concentricity
- Use with BohrSTAR kits and 54mm extensions.

## BohrSTAR Kit Toolholders

Part No.	Spindle	Description	l1
6134310	CAT 40	CT-340-54-120	3.00"
6134315	CAT 40	CT-340-54-160	4.57"
6134320	CAT 40	CT-340-54-200	6.14"
6141305	CAT 50	CT-350-54-90	2.44"
6141310	CAT 50	CT-350-54-160	5.20"
6141315	CAT 50	CT-350-54-200	6.77"
6140400	BT 40	BT-340-54-90	2.13"
6140425	BT 40	BT-340-54-160	4.88"
6140450	BT 40	BT-340-54-200	6.46"

Toolholders come with coupling screw installed.  
Order 6811550 for replacements.

Part No.	Spindle	Description	l1
6150375	BT 50	BT-350-54-90	2.56"
6150400	BT 50	BT-350-54-160	5.31"
6150425	BT 50	BT-350-54-200	6.90"
6155635	HSK 63	HSK-63A-54-110	2.76"
6155105	HSK 100	HSK-100A-54-110	2.76"
6165343	Weldon	B-20-54-110-3/4	0.75"
6165103	Weldon	B-25-54-110-1.0	1.00"
6165144	Weldon	B-32-54-110-1-1/4	1.25"
6165123	Weldon	B-40-54-110-1-1/2	1.50"
6165805	R8	R8-54-110	1.50"



The coolant-thru extension directs coolant to the cutting zone for optimal stock removal rates.

## Extensions

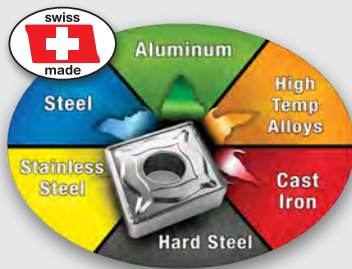
Part No.	Description	L
6555450	P-54-50	1.97"
6555475	P-54-75	2.95"

## Coolant-thru Spindle Extension

Part No.	Description	L
6565450	P-54-50R	1.97"

## Stock up on high-performance Techniks Inserts! Use Techniks LT10 or LT1000 grade inserts for extended insert life.

- New LT1000 PVD coating 3.5x thicker
- 250% longer tool life
- Great for exotics and stainless



One insert cuts **ALL THESE** materials

Watch our All-Material Inserts in action!



<http://ow.ly/FhPBk>

## Triangular Inserts for BohrSTAR Kits

Part No.	Description	Grade
3533010	TCMT 1.2(1).50	5615
3533020	TCMT 1.2(1)1	5625
3563311	TCMT 1.8(1.5)0 HF	251
3533033	TCMT 1.8(1.5)1 HM	251
3563388	TCMT 1.8(1.5)2 HM	251
3563399	TCMT 1.8(1.5)1 HF	251
3533030	TCMT 1.8(1.5)1 PF4	5625
3564438	TCMT 3(2.5)1 NN	LT 10
3568851	TCMT 3(2.5)1 NN	LT 1000
3564441	TCMT 3(2.5)2 NN	LT 10
3568861	TCMT 3(2.5)2 NN	LT 1000
3533090	TCMT 3(2.5)2 PM4	5625
3561774	TCMT 3(2.5)3 NN	LT 10
3561929	TCMT 3(2.5)3 NN	LT 1000

## Rhombic Inserts for BohrSTAR Kits

Part No.	Description	Grade
3663311	CCMT 2(1.5)0 HF	251
3664411	CCMT 2(1.5)1 NN	LT 10
3668011	CCMT 2(1.5)1 NN	LT 1000
3663399	CCMT 2(1.5)2 HM	251
3663344	CCMT 3(2.5)0 HF	251
3664413	CCMT 3(2.5)1 NN	LT 10
3668021	CCMT 3(2.5)1 NN	LT 1000
3664416	CCMT 3(2.5)2 NN	LT 10
3668026	CCMT 3(2.5)2 NN	LT 1000
3664419	CCMT 3(2.5)2 WM	LT 10
3934030	EPMT 1.5(3).5 PM5	5625

\* We recommend LT1000 grade inserts for maximum performance. LT1000 grade inserts feature advanced PVD coating that is 14 microns thick and last 250% longer than other inserts.