



Free Indexable Holder Promotions

Autumn 2026

Free Holder Promotion Includes:

- ✓ Indexable face mills & end mills
- ✓ Indexable drilling bodies
- ✓ Parting blades & holders
- ✓ Multi-Turn holders
- ✓ Internal & external threading holders
- ✓ Multifunctional grooving holders



Spade Drill

The most versatile drilling system in the world.

Reliable drilling solutions for accurate, efficient holemaking across a wide range of applications.

BUY 5+ INSERTS - GET A FREE SPADE DRILL HOLDER

cutwel PRO

SUPERCUT SPADE DRILL HOLDERS

For General Machining and Drilling Large Diameters with Longer Tool Life and High Productivity

- Available in diameters 9.5mm-114mm
- Inserts available in coated grades for steel, stainless steel, cast iron & aluminium
- Straight flute aids swarf evacuation in horizontal or short hole drilling
- Spiral flute aids swarf evacuation in vertical or deep hole drilling



Weldon Shank								
Insert Dia Range	Length	Flute	Shank Dia	Max Drill Depth	Overall Length	Order Code	Price	No. Inserts For Free Holder
9.5-11	Stub	Straight	16	19.1	89	P74Y0160	£109.30	5
	Short	Straight	20	31.8	103	P75Y0200	£130.37	5
	Standard	Spiral	20	60.3	131	P83Y0200	£143.48	6
	Extended*	Spiral	20	111.1	182	P84Y0200	£169.72	7
11.11-12.7	Stub	Straight	16	19.1	89	P74Z0160	£116.63	5
	Short	Straight	20	31.8	103	P75Z0200	£130.90	5
	Standard	Spiral	20	60.3	131	P83Z0200	£143.49	6
	Extended*	Spiral	20	111.1	182	P84Z0200	£170.31	7
13-17.5	Stub	Straight		22.2	89	P7400200	£139.53	5
	Short	Straight		34.9	105	P7500200	£125.71	5
	Standard	Spiral	20	63.5	134	P8300200	£151.95	6
	Extended*	Spiral		114.3	184	P8400200	£206.59	7
17.86-24	Stub	Straight		47.6	128	P7410250	£169.00	5
	Short	Straight		66.7	160	P7510250	£167.63	6
	Standard	Spiral	25	117.5	207	P8210250	£175.66	7
	Extended*	Spiral		168.3	258	P8310250	£198.54	8
24.61-35	Stub	Straight		269.9	360	P8410250	£276.20	8
	Short	Straight		57.2	146	P7420320	£187.79	5
	Standard	Spiral	32	85.7	186	P7520320	£187.79	5
	Extended*	Spiral		136.5	237	P8220320	£262.93	6
35.72-47.63	Stub	Straight		187.3	288	P8320320	£268.25	7
	Short	Straight		288.9	389	P8420320	£319.26	8
	Standard	Spiral	40	120.7	243	P7530400	£252.20	5
	Extended*	Spiral		165.1	287	P8230400	£324.38	6
48-65.09	Stub	Straight		209.6	332	P8330400	£353.41	7
	Short	Straight		349.3	471	P7830400	£451.04	8
	Standard	Spiral	40	130.2	249	P7540400	£260.23	5
	Extended*	Spiral		231.8	351	P8340400	£382.24	6

Morse Taper Shank								
Insert Dia Range	Length	Flute	Morse Taper	Max Drill Depth	Overall Length	Order Code	Price	No. Inserts For Free Holder
9.5-11	Short	Straight		31.8	160.3	P51Y0020	£129.73	5
	Standard	Spiral	2	60.3	188.9	P59Y0020	£143.48	6
	Extended*	Spiral		111.1	239.7	P60Y0020	£167.69	7
	Short	Straight		31.8	160.3	P51Z0020	£129.73	5
11.11-12.7	Standard	Spiral	2	60.3	188.9	P59Z0020	£143.48	6
	Extended*	Spiral		111.1	239.7	P60Z0020	£154.74	7
	Short	Straight		35	164.3	P5100020	£140.80	5
	Intermediate	Spiral	2	63.5	192.9	P5900020	£151.54	6
13-17.5	Standard	Spiral		114.3	243.7	P6000020	£206.57	7
	Extended*	Spiral		178	344.0	P6100020	£217.48	7
	Short	Straight		69.8	232.5	P5110030	£167.63	5
	Intermediate	Spiral	3	120.7	283.3	P5810030	£175.66	6
17.86-24	Standard	Spiral		171.5	334.2	P5910030	£198.54	7
	Extended*	Spiral		273.1	435.8	P6010030	£260.24	8
	Short	Straight		85.7	273.8	P5120040	£187.79	5
	Intermediate	Spiral	4	136.5	324.6	P5820040	£262.93	6
24.61-35	Standard	Spiral		187.3	375.4	P5920040	£265.74	7
	Extended*	Spiral		289	477.0	P6020040	£332.44	8
	Short	Straight		120.6	319.1	P5130040	£252.20	5
	Intermediate	Spiral	4	165.1	363.6	P5830040	£338.04	6
35.72-47.63	Standard	Spiral		209.5	408.0	P5930040	£329.17	7
	Extended*	Straight		349.3	547.7	P5430040	£479.06	8
	Short	Straight		130.1	363.5	P5140050	£260.24	5
	Standard	Spiral	5	231.8	465.1	P5940050	£382.25	6
48-65.09	Extended*	Straight		422.3	655.6	P5440050	£603.19	8
	Short	Straight		171.5	430.2	P5150050	£415.83	5
	Standard	Spiral	5	273.1	531.8	P5950050	£675.88	7
	Extended*	Straight		463.6	722.3	P5450050	£657.30	8
65.3-88	Short	Straight		171.5	439.7	P5170050	£515.00	5
	Standard	Spiral	5	273.1	541.3	P5970050	£804.84	7
	Extended*	Straight		555.6	823.9	P5470050	£938.99	8

*Extended holders MUST be pilot drilled to 1xD depth before use. The pilot hole must be the same diameter and drill point angle. We recommend using a shorter length spade drill for pilot drilling. Failing to follow this advice will likely cause the long length drill to break.



SPADE DRILL INSERTS

Available in HSSE or HSS-PM in Metric or Inch Sizes



- Self centering inserts provide extremely accurate drilling, even in deep holes
- Sizes above 65.30mm are M4 style inserts, please check table before ordering*

Holder Series	Insert Diameters	HSS 5% Cobalt (TiAlN) T15/M4			Powder Metal (TiAlN) M48		
		Order Prefix		Price	Order Prefix		Price
		Metric	Inch		Metric	Inch	
Y	9.5 - 11	S1165__	S1115__	£39.02	S1565__	S1515__	£44.89
Z	11.11 - 12.7	S1165__	S1115__	£39.02	S1565__	S1515__	£44.89
0	13 - 17.5	S1165__	S1115__	£43.96	S1565__	S1515__	£48.94
1	17.86 - 24	S1165__	S1115__	£47.94	S1565__	S1515__	£58.99
2	24.61 - 35	S1165__	S1115__	£58.99	S1565__	S1515__	£64.37
3	35.72 - 47.63	S1165__	S1115__	£78.62	-	-	-
4	48 - 65.09	S1165__	S1115__	£93.06	-	-	-
5*	65.30 - 88	S1465__	S1415__	£106.35	-	-	-
6*	90 - 114	S1465__	-	£159.42	-	-	-

Mammut SPMX U-Drill

The **BEST SELLING** Indexable U-Drill!

High-performance U-drilling solutions for reliable holemaking and efficient chip evacuation.



BUY 10+ INSERTS - GET A FREE SPMX DRILL

MAMMUT

SPMX U-DRILL

The BEST SELLING Indexable U-Drill!



Dia.	Shank	2xD Max Drill Depth			Dia.	Shank	3xD Max Drill Depth			Dia.	Shank	4xD Max Drill Depth			Inserts
		Order Code	Net Price	No. Inserts For Free Holder			Order Code	Net Price	No. Inserts For Free Holder			Order Code	Net Price	No. Inserts For Free Holder	
12.5	20	SP12.5-S20-2D	£49.46	10	12.5	20	SP12.5-S20-3D	£49.46	10	12.5	20	SP12.5-S20-4D	£55.88	SPMX05 SPMG05	
13	20	SP13-S20-2D	£49.46		13	20	SP13-S20-3D	£49.46		13	20	SP13-S20-4D	£55.88		
13.5	20	SP13.5-S20-2D	£49.46		13.5	20	SP13.5-S20-3D	£49.46		13.5	20	SP13.5-S20-4D	£55.88		
14	25	SP14-S25-2D	£49.46		14	25	SP14-S25-3D	£49.46		14	25	SP14-S25-4D	£55.88		
14.5	25	SP14.5-S25-2D	£49.46		14.5	25	SP14.5-S25-3D	£49.46		14.5	25	SP14.5-S25-4D	£55.88		
15	25	SP15-S25-2D	£49.46		15	25	SP15-S25-3D	£49.46		15	25	SP15-S25-4D	£55.88		
15.5	25	SP15.5-S25-2D	£49.46	10	15.5	25	SP15.5-S25-3D	£49.46	10	15.5	25	SP15.5-S25-4D	£55.88	SPMX06 SPMG06	
16	25	SP16-S25-2D	£49.46		16	25	SP16-S25-3D	£49.46		16	25	SP16-S25-4D	£55.88		
16.5	25	SP16.5-S25-2D	£49.46		16.5	25	SP16.5-S25-3D	£49.46		16.5	25	SP16.5-S25-4D	£55.88		
17	25	SP17-S25-2D	£49.46		17	25	SP17-S25-3D	£49.46		17	25	SP17-S25-4D	£55.88		
17.5	25	SP17.5-S25-2D	£49.46		17.5	25	SP17.5-S25-3D	£49.46		17.5	25	SP17.5-S25-4D	£55.88		
18	25	SP18-S25-2D	£49.46		18	25	SP18-S25-3D	£49.46		18	25	SP18-S25-4D	£55.88		
18.5	25	SP18.5-S25-2D	£49.46	10	18.5	25	SP18.5-S25-3D	£49.46	10	18.5	25	SP18.5-S25-4D	£55.88	SPMX07 SPMG07	
19	25	SP19-S25-2D	£49.46		19	25	SP19-S25-3D	£49.46		19	25	SP19-S25-4D	£55.88		
19.5	25	SP19.5-S25-2D	£56.61		19.5	25	SP19.5-S25-3D	£56.61		19.5	25	SP19.5-S25-4D	£63.06		
20	25	SP20-S25-2D	£56.61		20	25	SP20-S25-3D	£56.61		20	25	SP20-S25-4D	£63.06		
20.5	25	SP20.5-S25-2D	£60.91		20.5	25	SP20.5-S25-3D	£60.91		20.5	25	SP20.5-S25-4D	£63.06		
21	25	SP21-S25-2D	£60.91		21	25	SP21-S25-3D	£60.91		21	25	SP21-S25-4D	£67.36		
21.5	25	SP21.5-S25-2D	£60.91	10	21.5	25	SP21.5-S25-3D	£60.91	10	21.5	25	SP21.5-S25-4D	£67.36	SPMX09 SPMG09	
22	25	SP22-S25-2D	£60.91		22	25	SP22-S25-3D	£60.91		22	25	SP22-S25-4D	£67.36		
22.5	25	SP22.5-S25-2D	£60.91		22.5	25	SP22.5-S25-3D	£60.91		22.5	25	SP22.5-S25-4D	£67.36		
23	25	SP23-S25-2D	£60.91		23	25	SP23-S25-3D	£60.91		23	25	SP23-S25-4D	£67.36		
23.5	25	SP23.5-S25-2D	£60.91		23.5	25	SP23.5-S25-3D	£60.91		23.5	25	SP23.5-S25-4D	£67.36		
24	25	SP24-S25-2D	£60.91		24	25	SP24-S25-3D	£60.91		24	25	SP24-S25-4D	£67.36		
24.5	25	SP24.5-S25-2D	£60.91	10	24.5	25	SP24.5-S25-3D	£60.91	10	24.5	25	SP24.5-S25-4D	£67.36	SPMX11 SPMG11	
25	32	SP25-S32-2D	£60.91		25	32	SP25-S32-3D	£60.91		25	32	SP25-S32-4D	£67.36		
25.5	32	SP25.5-S32-2D	£60.91		25.5	32	SP25.5-S32-3D	£60.91		25.5	32	SP25.5-S32-4D	£67.36		
26	32	SP26-S32-2D	£60.91		26	32	SP26-S32-3D	£60.91		26	32	SP26-S32-4D	£67.36		
26.5	32	SP26.5-S32-2D	£60.91		26.5	32	SP26.5-S32-3D	£60.91		26.5	32	SP26.5-S32-4D	£67.36		
27	32	SP27-S32-2D	£60.91		27	32	SP27-S32-3D	£60.91		27	32	SP27-S32-4D	£67.36		
27.5	32	SP27.5-S32-2D	£60.91	10	27.5	32	SP27.5-S32-3D	£60.91	10	27.5	32	SP27.5-S32-4D	£67.36	SPMX14 SPMG14	
28	32	SP28-S32-2D	£60.91		28	32	SP28-S32-3D	£60.91		28	32	SP28-S32-4D	£67.36		
28.5	32	SP28.5-S32-2D	£60.91		28.5	32	SP28.5-S32-3D	£60.91		28.5	32	SP28.5-S32-4D	£67.36		
29	32	SP29-S32-2D	£60.91		29	32	SP29-S32-3D	£60.91		29	32	SP29-S32-4D	£67.36		
30	32	SP30-S32-2D	£79.66		30	32	SP30-S32-3D	£79.66		30	32	SP30-S32-4D	£88.09		
31	32	SP31-S32-2D	£92.76		31	32	SP31-S32-3D	£92.76		31	32	SP31-S32-4D	£101.18		
32	32	SP32-S32-2D	£92.76	10	32	32	SP32-S32-3D	£92.76	10	32	32	SP32-S32-4D	£101.18	SPMX14 SPMG14	
33	32	SP33-S32-2D	£92.76		33	32	SP33-S32-3D	£92.76		33	32	SP33-S32-4D	£101.18		
34	32	SP34-S32-2D	£92.76		34	32	SP34-S32-3D	£92.76		34	32	SP34-S32-4D	£101.18		
35	32	SP35-S32-2D	£92.76		35	32	SP35-S32-3D	£92.76		35	32	SP35-S32-4D	£101.18		
36	32	SP36-S32-2D	£92.76		36	32	SP36-S32-3D	£92.76		36	32	SP36-S32-4D	£101.18		
37	32	SP37-S32-2D	£92.76		37	32	SP37-S32-3D	£92.76		37	32	SP37-S32-4D	£101.18		
38	32	SP38-S32-2D	£92.76	20	38	32	SP38-S32-3D	£92.76	20	38	32	SP38-S32-4D	£101.18	SPMX14 SPMG14	
39	32	SP39-S32-2D	£92.76		39	32	SP39-S32-3D	£92.76		39	32	SP39-S32-4D	£101.18		
40	32	SP40-S32-2D	£103.07		40	32	SP40-S32-3D	£103.07		40	32	SP40-S32-4D	£111.52		
45	40	SP45-S40-2D	£117.11		45	40	SP45-S40-3D	£117.11		45	40	SP45-S40-4D	£125.55		
50	40	SP50-S40-2D	£117.11		50	40	SP50-S40-3D	£117.11		50	40	SP50-S40-4D	£125.55		
55	40	SP55-S40-2D	£182.83		55	40	SP55-S40-3D	£182.83		55	40	SP55-S40-4D	£182.83		
60	40	SP60-S40-2D	£199.44		60	40	SP60-S40-3D	£199.44		60	40	SP60-S40-4D	£199.44		



SPMX INDEXABLE INSERTS

- Premium quality for reliable tool life and performance
- High rake chipbreaker for excellent chip flow
- Optimised for accuracy and reduced tool failure



Drill Diameter	Insert Guide		Price
	Multi Purpose YG602	Stainless Steel ST-YG602	
12.5-15.5	SPMX050204-YG602	SPMX050204-ST-YG602	£8.66
16.0-22.0	SPMX060204-YG602	SPMX060204-ST-YG602	£8.66
22.5-27.5	SPMX07T308-YG602	SPMX07T308-ST-YG602	£10.59
28.0-33.0	SPMX090408-YG602	SPMX090408-ST-YG602	£10.59
34.0-40.0	SPMX110408-YG602	-	£11.90
45.0-60.0	SPMX140512-YG602	-	£11.90

King Drill

The **ULTIMATE** indexable U-Drill!

For tool life, reliability, accuracy and multi-material performance.

BUY 20+ INSERTS - GET A FREE KING DRILL

- Available in diameters 12mm-60.5mm in 0.5mm increments
- King Drill XL 61-100mm adjustable by 5mm, please contact us
- Inserts available in grades for steels, stainless steel, HRSA's, cast iron, aluminium & plastic
- Tool holders available in 2xD, 3xD, 4xD & 5xD max drill depths
- Through coolant
- Exceptionally accurate drilling compared to other indexable drills, even in deep holes
- High performance drilling of a wide range of materials
- Optimised insert design for inner & outer pocket lowers risk of tool failure & reduces insert wear

INSERTS FOR STEEL

PVD coated grades with PD chip breaker, optimised for performance drilling of carbon and alloy steel.

Recommended cutting speeds:

- Low carbon steel: 130-250 m/min
- High carbon steel: 80-200 m/min
- Low alloy steel: 50-160 m/min
- Pre-hardened steel: 50-150 m/min



Drill Dia	Grade Selection		Order Code		Price
	Outer	Inner	Outer Insert	Central Insert	
	PC3700	PC5300			
13-13.5	●	●	SPMT 040204-PD PC3700	XOMT 040204-PD PC5300	£14.15
14-16	●	●	SPMT 050204-PD PC3700	XOMT 050204-PD PC5300	
16.5-19.5	●	●	SPMT 060205-PD PC3700	XOMT 060204-PD PC5300	
20-23.5	●	●	SPMT 07T208-PD PC3700	XOMT 07T205-PD PC5300	
24-29.5	●	●	SPMT 090308-PD PC3700	XOMT 090305-PD PC5300	
30-35.5	●	●	SPMT 11T308-PD PC3700	XOMT 11T306-PD PC5300	
39-42.5	●	●	SPMT 130410-PD PC3700	XOMT 130406-PD PC5300	
43-50.5	●	●	SPMT 15M510-PD PC3700	XOMT 15M508-PD PC5300	
51-60.5	●	●	SPMT 180510-PD PC3700	XOMT 180508-PD PC5300	

INSERTS FOR ALUMINIUM / NON-FERROUS

Polished ground inserts dedicated for aluminium, copper, plastic & non-ferrous drilling.

Recommended cutting speeds:

- Aluminium: 250-350 m/min
- Copper alloys: 200-300 m/min
- Plastic: 250-400 m/min



Drill Dia	Grade Selection		Order Code		Price
	Outer	Inner	Outer Insert	Central Insert	
	H01				
13-13.5	●	●	SPET 040204-ND H01	XOET 040204-ND H01	£14.15
14-16	●	●	SPET 050204-ND H01	XOET 050204-ND H01	
16.5-19.5	●	●	SPET 060205-ND H01	XOET 060204-ND H01	
20-23.5	●	●	SPET 07T208-ND H01	XOET 07T205-ND H01	
24-29.5	●	●	SPET 090308-ND H01	XOET 090305-ND H01	
30-35.5	●	●	SPET 11T308-ND H01	XOET 11T306-ND H01	
39-42.5	●	●	SPET 130410-ND H01	XOET 130406-ND H01	
43-50.5	●	●	SPET 15M510-ND H01	XOET 15M508-ND H01	
51-60.5	●	●	SPET 180510-ND H01	XOET 180508-ND H01	

*For 5 x D reduce the cutting conditions by 30-40%. In interrupted cutting reduce feed by 30-50%

INSERTS FOR STAINLESS STEEL & EXOTICS (GENERAL DRILLING)

PVD coated grade with PD chip breaker, for general drilling of stainless steels, HRSA's and hardened steel.

Recommended cutting speeds:

- Stainless steel: 90-160 m/min
- Nickel alloy (e.g. Inconel): 30-100 m/min
- Titanium alloy: 40-80 m/min
- Hardened / tool steel: 30-120 m/min

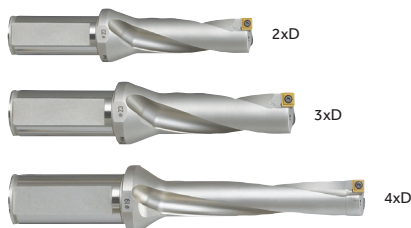


Drill Dia	Grade Selection		Order Code		Price
	Outer	Inner	Outer Insert	Central Insert	
	PC5300				
13-13.5	●	●	SPMT 040204-PD PC5300	XOMT 040204-PD PC5300	£14.15
14-16	●	●	SPMT 050204-PD PC5300	XOMT 050204-PD PC5300	
16.5-19.5	●	●	SPMT 060205-PD PC5300	XOMT 060204-PD PC5300	
20-23.5	●	●	SPMT 07T208-PD PC5300	XOMT 07T205-PD PC5300	
24-29.5	●	●	SPMT 090308-PD PC5300	XOMT 090305-PD PC5300	
30-35.5	●	●	SPMT 11T308-PD PC5300	XOMT 11T306-PD PC5300	
39-42.5	●	●	SPMT 130410-PD PC5300	XOMT 130406-PD PC5300	
43-50.5	●	●	SPMT 15M510-PD PC5300	XOMT 15M508-PD PC5300	
51-60.5	●	●	SPMT 180510-PD PC5300	XOMT 180508-PD PC5300	



KING DRILL (KED) INDEXABLE DRILL HOLDERS

- 2, 3 & 4xD max drill depth
- Available in 0.5mm increments Ø12-30mm, 1mm increments Ø30-60mm
- Through coolant



OPTIMISED FLUTE SYSTEM

2 COOLANT HOLES

Reduced cutting heat for improved chip control and tool life.

SPECIAL FLUTE SHAPE

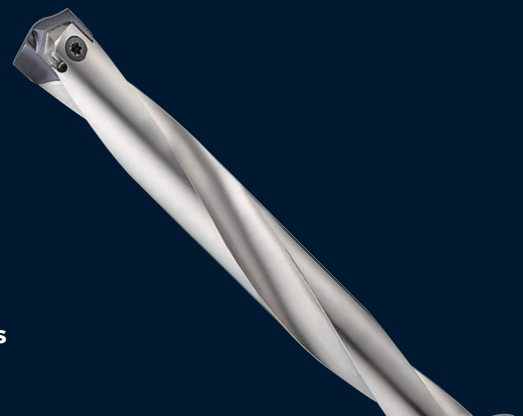
Increases the rigidity of the drill body and improves chip evacuation.

Dia	Shank	Order Code	Price	Order Code	Price	Order Code	Price	No. Inserts For Free Holder	Inserts
		2xD		3xD		4xD			
12	20	E2D-12020-04-P	£114.26	E3D-12020-04-P	£188.11	E4D-12020-04-P	£125.67	20	SPMT040204- __ XOMT040204- __
12.5		E2D-12520-04-P	£114.26	E3D-12520-04-P	£114.26	E4D-12520-04-P	£125.67	20	
13		E2D-13020-04-P	£134.74	E3D-13020-04-P	£134.74	E4D-13020-04-P	£148.20	20	
13.5		E2D-13520-04-P	£134.74	E3D-13520-04-P	£134.74	E4D-13520-04-P	£148.20	20	SPMT050204- __ XOMT050204- __
14		E2D-14020-05-P	£152.89	E3D-14020-05-P	£152.89	E4D-14020-05-P	£168.19	20	
14.5		E2D-14520-05	£129.65	E3D-14520-05-P	£152.89	E4D-14520-05-P	£168.19	20	
15		E2D-15020-05-P	£152.89	E3D-15020-05-P	£152.89	E4D-15020-05-P	£168.19	20	
15.5		E2D-15520-05	£129.65	E3D-15520-05-P	£152.89	E4D-15520-05-P	£168.19	20	
16		E2D-16020-05-P	£152.89	E3D-16020-05-P	£152.89	E4D-16020-05-P	£168.19	20	
16.6	25	E2D-16525-06-P	£152.89	E3D-16525-06-P	£152.89	E4D-16525-06-P	£168.19	20	SPMT060205- __ XOMT060204- __
17		E2D-17025-06-P	£152.89	E3D-17025-06-P	£152.89	E4D-17025-06-P	£168.19	20	
17.5		E2D-17525-06-P	£152.89	E3D-17525-06-P	£152.89	E4D-17525-06-P	£168.19	20	
18		E2D-18025-06-P	£152.89	E3D-18025-06-P	£152.89	E4D-18025-06-P	£168.19	20	
18.5		E2D-18525-06	£106.89	E3D-18525-06-P	£152.89	E4D-18525-06-P	£168.19	20	
19		E2D-19025-06-P	£152.89	E3D-19025-06-P	£152.89	E4D-19025-06-P	£168.19	20	
19.5		E2D-19525-06-P	£152.89	E3D-19525-06-P	£152.89	E4D-19525-06-P	£168.19	20	SPMT07T208- __ XOMT07T205- __
20		E2D-20025-07-P	£152.89	E3D-20025-07-P	£152.89	E4D-20025-07-P	£168.19	20	
20.5		E2D-20525-07	£163.66	E3D-20525-07-P	£163.66	E4D-20525-07-P	£168.20	20	
21		E2D-21025-07-P	£163.66	E3D-21025-07-P	£163.66	E4D-21025-07-P	£180.01	20	
21.5		E2D-21525-07-P	£163.66	E3D-21525-07-P	£163.66	E4D-21525-07-P	£180.01	20	
22		E2D-22025-07-P	£163.66	E3D-22025-07-P	£163.66	E4D-22025-07-P	£180.01	20	
22.5	32	E2D-22525-07-P	£163.66	E3D-22525-07-P	£163.66	E4D-22525-07-P	£180.01	20	SPMT090308- __ XOMT090305- __
23		E2D-23025-07-P	£163.66	E3D-23025-07-P	£163.66	E4D-23025-07-P	£180.01	20	
23.5		E2D-23525-07	£114.42	E3D-23525-07	£125.85	E4D-23525-07-P	£180.01	20	
24		E2D-24032-09-P	£163.66	E3D-24032-09-P	£163.66	E4D-24032-09-P	£180.01	20	
24.5		E2D-24532-09-P	£163.66	E3D-24532-09-P	£163.66	E4D-24532-09-P	£180.01	20	
25		E2D-25032-09-P	£163.66	E3D-25032-09-P	£163.66	E4D-25032-09-P	£180.01	20	SPMT11T308- __ XOMT11T306- __
25.5		E2D-25532-09	£150.23	E3D-25532-09-P	£177.16	E4D-25532-09-P	£194.90	20	
26		E2D-26032-09-P	£177.16	E3D-26032-09-P	£177.16	E4D-26032-09-P	£194.90	20	
26.5		E2D-26532-09-P	£176.48	E3D-26532-09-P	£177.16	E4D-26532-09-P	£194.90	20	
27		E2D-27032-09-P	£177.16	E3D-27032-09-P	£177.16	E4D-27032-09	£170.00	20	
27.5		E2D-27532-09-P	£176.48	E3D-27532-09-P	£176.48	E4D-27532-09	£160.38	20	SPMT130410- __ XOMT130406- __
28		E2D-28032-09-P	£177.16	E3D-28032-09-P	£177.16	E4D-28032-09-P	£194.90	20	
28.5		E2D-28532-09-P	£177.16	E3D-28532-09-P	£177.16	E4D-28532-09-P	£194.90	20	
29		E2D-29032-09-P	£177.16	E3D-29032-09-P	£177.16	E4D-29032-09-P	£194.90	20	
29.5		E2D-29532-09-P	£176.48	E3D-29532-09-P	£177.16	E4D-29532-09-P	£194.90	20	
30	40	E2D-30032-11-P	£177.16	E3D-30032-11-P	£177.16	E4D-30032-11-P	£194.90	20	SPMT15M510- __ XOMT15M508- __
31		E2D-31032-11-P	£199.99	E3D-31032-11-P	£199.99	E4D-31032-11-P	£219.99	20	
32		E2D-32032-11-P	£199.99	E3D-32032-11-P	£199.99	E4D-32032-11-P	£219.99	20	
33		E2D-33032-11-P	£199.99	E3D-33032-11-P	£199.99	E4D-33032-11-P	£219.99	20	
34		E2D-34032-11-P	£199.99	E3D-34032-11-P	£199.99	E4D-34032-11-P	£219.99	20	
35		E2D-35032-11-P	£199.99	E3D-35032-11-P	£199.99	E4D-35032-11-P	£219.99	20	SPMT180510- __ XOMT180508- __
36		E2D-36040-13-P	£210.84	E3D-36040-13-P	£210.84	E4D-36040-13-P	£231.94	20	
37		E2D-37040-13	£210.84	E3D-37040-13-P	£210.84	E4D-37040-13-P	£231.94	20	
38		E2D-38040-13-P	£210.84	E3D-38040-13-P	£210.84	E4D-38040-13-P	£231.94	20	
39		E2D-39040-13	£210.84	E3D-39040-13-P	£210.84	E4D-39040-13-P	£231.94	20	
40		E2D-40040-13-P	£210.84	E3D-40040-13-P	£210.84	E4D-40040-13-P	£231.94	20	SPMT180510- __ XOMT180508- __
41		E2D-41040-13-P	£226.54	E3D-41040-13-P	£226.54	E4D-41040-13-P	£249.19	30	
42		E2D-42040-13-P	£226.54	E3D-42040-13-P	£226.54	E4D-42040-13	£211.31	30	
43	40	E2D-43040-15-P	£226.54	E3D-43040-15	£197.57	E4D-43040-15-P	£249.19	30	
44		E2D-44040-15-P	£226.54	E3D-44040-15-P	£226.54	E4D-44040-15-P	£249.19	30	
45		E2D-45040-15-P	£226.54	E3D-45040-15-P	£226.54	E4D-45040-15-P	£249.19	30	
46		E2D-46040-15-P	£239.68	E3D-46040-15-P	£239.68	E4D-46040-15-P	£263.65	30	
47		E2D-47040-15-P	£239.68	E3D-47040-15-P	£239.68	E4D-47040-15	£223.58	30	
48		E2D-48040-15	£203.24	E3D-48040-15	£184.32	E4D-48040-15-P	£263.65	30	
49		E2D-49040-15-P	£239.68	E3D-49040-15-P	£239.68	E4D-49040-15-P	£263.65	30	SPMT180510- __ XOMT180508- __
50		E2D-50040-15-P	£239.68	E3D-50040-15-P	£239.68	E4D-50040-15-P	£263.65	30	
51		E2D-51040-18-P	£252.78	E3D-51040-18-P	£252.78	E4D-51040-18-P	£278.08	40	
52		E2D-52040-18-P	£252.78	E3D-52040-18-P	£252.78	E4D-52040-18-P	£278.08	40	
53		E2D-53040-18-P	£252.78	E3D-53040-18-P	£252.78	E4D-53040-18-P	£278.08	40	
54		E2D-54040-18-P	£252.78	E3D-54040-18-P	£252.78	E4D-54040-18-P	£278.08	40	
55	40	E2D-55040-18-P	£252.78	E3D-55040-18-P	£252.78	E4D-55040-18-P	£278.08	40	SPMT180510- __ XOMT180508- __
56		E2D-56040-18-P	£265.43	E3D-56040-18-P	£265.43	E4D-56040-18-P	£291.99	40	
57		E2D-57040-18-P	£265.43	E3D-57040-18-P	£265.43	E4D-57040-18-P	£291.99	40	
58		E2D-58040-18-P	£265.43	E3D-58040-18-P	£265.43	E4D-58040-18-P	£291.99	40	
59		E2D-59040-18-P	£265.43	E3D-59040-18-P	£265.43	E4D-59040-18-P	£291.99	40	
60		E2D-60040-18-P	£265.43	E3D-60040-18-P	£265.43	E4D-60040-18	£291.99	40	

i-Dream Drill

High performance solid carbide tipped drill.

The YG-1 i-Dream Drill is a replaceable insert carbide drilling system covering 12-31.75mm, offering a strong cost-to-performance ratio. It is well suited as an entry-level high-performance option for medium to large batch machining. Inserts and holders are available at a relatively low cost, keeping running costs down.



BUY 6+ INSERTS - GET A FREE i-DREAM DRILL HOLDER

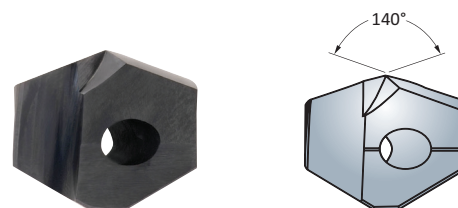


i-DREAM DRILL INSERTS

- Precision ground carbide inserts
- Cost saving alternative to carbide drills from 12mm
- Self centring with advanced drill point technology
- Inserts can be changed while the tool is in the machine
- First choice for production drilling environments

STEEL GEOMETRY: For carbon, alloy and tool steels or cast iron drilling

INOX GEOMETRY: First choice for stainless, exotics and soft long chipping steels



Inserts					
mm	inch	Steel	Price	INOX	Price
12	-	YA1A1200	£58.94	YA2C1200	£58.94
12.10	-	YA1A1210	£58.94	YA2C1210	
12.20	-	YA1A1220	£58.94	YA2C1220	
12.30	31/64	YA1A1230	£58.94	YA2C1230	
12.50	-	YA1A1250	£58.94	YA2C1250	
12.70	1/2	YA1A1270	£58.94	YA2C1270	
12.80	-	YA1A1280	£58.94	YA2C1280	
12.90	-	YA1A1290	£58.94	YA2C1290	
13	-	YA1A1300	£58.94	YA2C1300	
13.10	33/64	YA1A1310	£58.94	YA2C1310	£58.94
13.20	-	YA1A1320	£58.94	YA2C1320	
13.49	17/32	YA1A1349	£58.94	YA2C1349	
13.50	-	YA1A1350	£58.94	YA2C1350	
13.60	-	YA1A1360	£58.94	YA2C1360	
13.70	-	YA1A1370	£58.94	YA2C1370	
13.80	-	YA1A1380	£58.94	YA2C1380	
14	-	YB1A1400	£60.83	YB2C1400	£60.83
14.10	-	YB1A1410	£60.83	YB2C1410	
14.20	-	YB1A1420	£60.83	YB2C1420	
14.29	9/16	YB1A1429	£60.83	YB2C1429	
14.30	-	YB1A1430	£60.83	YB2C1430	
14.40	-	YB1A1440	£60.83	YB2C1440	
14.50	-	YB1A1450	£60.83	YB2C1450	
14.60	-	YB1A1460	£60.83	YB2C1460	
14.68	37/64	YB1A1468	£60.83	YB2C1468	
14.80	-	YB1A1480	£60.83	YB2C1480	£63.28
15	-	YB1A1500	£63.28	YB2C1500	
15.08	19/32	YB1A1508	£63.28	YB2C1508	
15.10	-	YB1A1510	£63.28	YB2C1510	
15.20	-	YB1A1520	£63.28	YB2C1520	
15.30	-	YB1A1530	£63.28	YB2C1530	
15.48	39/64	YB1A1548	£63.28	YB2C1548	
15.50	-	YB1A1550	£63.28	YB2C1550	
15.60	-	YB1A1560	£63.28	YB2C1560	
15.70	-	YB1A1570	£63.28	YB2C1570	
15.80	-	YB1A1580	£63.28	YB2C1580	£70.53
16	-	YC1A1600	£70.53	YC2C1600	
16.09	-	YC1A1609	£70.53	YC2C1609	
16.20	-	YC1A1620	£70.53	YC2C1620	
16.27	41/64	YC1A1627	£70.53	YC2C1627	
16.30	-	YC1A1630	£70.53	YC2C1630	

Inserts					
mm	inch	Steel	Price	INOX	Price
16.50	-	YC1A1650	£70.53	YC2C1650	£70.53
16.67	21/32	YC1A1667	£70.53	YC2C1667	
16.80	-	YC1A1680	£70.53	YC2C1680	
17	-	YC1A1700	£70.53	YC2C1700	
17.07	43/64	YC1A1707	£70.53	YC2C1707	
17.46	11/16	YC1A1746	£70.53	YC2C1746	
17.50	-	YC1A1750	£70.53	YC2C1750	
17.80	-	YC1A1780	£70.53	YC2C1780	
17.86	45/64	YC1A1786	£70.53	YC2C1786	
18	-	YD1A1800	£71.18	YD2C1800	£71.18
18.26	23/32	YD1A1826	£71.18	YD2C1826	
18.50	-	YD1A1850	£71.18	YD2C1850	
18.65	47/64	YD1A1865	£71.18	YD2C1865	
18.80	-	YD1A1880	£71.18	YD2C1880	
19	-	YD1A1900	£71.18	YD2C1900	
19.05	3/4	YD1A1905	£71.18	YD2C1905	
19.27	-	YD1A1927	£71.18	YD2C1927	
19.45	49/64	YD1A1945	£71.18	YD2C1945	
19.50	-	YD1A1950	£71.18	YD2C1950	£71.98
19.80	-	YD1A1980	£71.18	YD2C1980	
19.84	25/32	YD1A1984	£71.18	YD2C1984	
20	-	YE1A2000	£71.98	YE2C2000	
20.24	51/64	YE1A2024	£71.98	YE2C2024	
20.50	-	YE1A2050	£71.98	YE2C2050	
20.64	13/16	YE1A2064	£71.98	YE2C2064	
20.70	-	YE1A2070	£71.98	YE2C2070	
21	-	YE1A2100	£71.98	YE2C2100	
21.03	53/64	YE1A2103	£71.98	YE2C2103	£71.98
21.43	27/32	YE1A2143	£71.98	YE2C2143	
21.50	-	YE1A2150	£71.98	YE2C2150	
21.70	-	YE1A2170	£71.98	YE2C2170	
21.83	55/64	YE1A2183	£71.98	YE2C2183	
22	-	YF1A2200	£73.06	YF2C2200	
22.23	7/8	YF1A2223	£73.06	YF2C2223	
22.50	-	YF1A2250	£73.06	YF2C2250	
22.62	57/64	YF1A2262	£73.06	YF2C2262	
22.70	-	YF1A2270	£73.06	YF2C2270	£73.06
23	-	YF1A2300	£73.06	YF2C2300	
23.02	29/32	YF1A2302	£73.06	YF2C2302	
23.42	59/64	YF1A2342	£73.06	YF2C2342	
23.50	-	YF1A2350	£73.06	YF2C2350	
23.70	-	YF1A2370	£73.06	YF2C2370	
23.81	15/16	YF1A2381	£73.06	YF2C2381	

Inserts					
mm	inch	Steel	Price	INOX	Price
24	-	YG1A2400	£86.89	YG2C2400	£86.89
24.21	61/64	YG1A2421	£86.89	YG2C2421	
24.50	-	YG1A2450	£86.89	YG2C2450	
24.61	31/32	YG1A2461	£86.89	YG2C2461	
24.70	-	YG1A2470	£86.89	YG2C2470	
25	63/64	YG1A2500	£86.89	YG2C2500	
25.40	1	YG1A2540	£86.89	YG2C2540	
25.50	-	YG1A2550	£86.89	YG2C2550	
25.67	-	YG1A2567	£86.89	YG2C2567	
25.70	-	YG1A2570	£86.89	YG2C2570	£88.47
25.80	11/64	YG1A2580	£86.89	YG2C2580	
26	-	YH1A2600	£88.47	YH2C2600	
26.19	11/32	YH1A2619	£88.47	YH2C2619	
26.50	-	YH1A2650	£88.47	YH2C2650	
26.59	13/64	YH1A2659	£88.47	YH2C2659	
26.99	11/16	YH1A2699	£88.47	YH2C2699	
27	-	YH1A2700	£88.47	YH2C2700	
27.50	-	YH1A2750	£88.47	YH2C2750	
27.78	13/32	YH1A2778	£88.47	YH2C2778	£89.68
28	-	YI1A2800	£89.68	YI2C2800	
28.18	17/64	YI1A2818	£89.68	YI2C2818	
28.50	-	YI1A2850	£89.68	YI2C2850	
28.58	11/8	YI1A2858	£89.68	YI2C2858	
29	-	YI1A2900	£89.68	YI2C2900	
29.37	15/32	YI1A2937	£89.68	YI2C2937	
29.50	-	YI1A2950	£89.68	YI2C2950	
29.77	11/64	YI1A2977	£91.25	YI2C2977	
30	-	YJ1A3000	£91.25	YJ2C3000	£91.25
30.16	13/16	YJ1A3016	£91.25	YJ2C3016	
30.50	-	YJ1A3050	£91.25	YJ2C3050	
30.56	113/64	YJ1A3056	£91.25	YJ2C3056	
30.96	17/32	YJ1A3096	£91.25	YJ2C3096	
31	-	YJ1A3100	£91.25	YJ2C3100	
31.50	-	YJ1A3150	£91.25	YJ2C3150	
31.75	1 1/4	YJ1A3175	£91.25	YJ2C3175	



i-DREAM DRILL HOLDERS

- Solid carbide drill for high performance & accuracy
- Through coolant
- Available in 3xD, 5xD and 7xD drill depths



ø Range	Shank	Drill Depth	L1	L2	Order Code	Price	No. of Inserts For FREE Holder
12.00-12.30	20	3xD	36	112.4	ZH12003020	£118.82	6
		5xD	60	136.4	ZH12005020	£154.16	7
		7xD	84	160.4	ZH12007020	£158.78	8
12.50-12.90	20	3xD	37.5	113.4	ZH12503020	£120.71	6
		5xD	62.5	138.4	ZH12505020	£158.78	7
		7xD	87.5	163.4	ZH12507020	£167.20	8
13.00-13.49	20	3xD	39	115.4	ZH13003020	£120.71	6
		5xD	65	141.4	ZH13005020	£158.78	7
		7xD	91	167.4	ZH13007020	£167.20	8
13.50-13.89	20	3xD	40.5	116.4	ZH13503020	£120.71	6
		5xD	67.5	143.4	ZH13505020	£158.78	7
		7xD	94.5	170.4	ZH13507020	£167.20	8
14.00-14.40	20	3xD	42	118.9	ZH14003020	£120.71	6
		5xD	70	146.9	ZH14005020	£158.78	7
		7xD	98	174.9	ZH14007020	£167.20	8
14.50-14.80	20	3xD	43.5	120.9	ZH14503020	£120.71	6
		5xD	72.5	149.9	ZH14505020	£167.20	7
		7xD	101.5	178.9	ZH14507020	£182.92	8
15.00-15.48	20	3xD	45	122.9	ZH15003020	£120.71	6
		5xD	75	152.9	ZH15005020	£167.20	7
		7xD	105	182.9	ZH15007020	£182.96	8
15.50-15.87	20	3xD	46.5	123.9	ZH15503020	£120.76	6
		5xD	77.5	154.9	ZH15505020	£157.91	7
		7xD	108.5	185.9	ZH15507020	£172.82	8
16.00-16.30	20	3xD	48	125	ZH16003020	£114.06	6
		5xD	80	157	ZH16005020	£157.89	7
		7xD	112	189	ZH16007020	£172.78	8
16.50-16.80	20	3xD	49.5	127	ZH16503020	£115.78	6
		5xD	82.5	160	ZH16505020	£172.82	7
		7xD	115.5	193	ZH16507020	£186.80	8
17.00-17.46	20	3xD	51	128	ZH17003020	£115.78	6
		5xD	85	162	ZH17005020	£172.82	7
		7xD	119	196	ZH17007020	£186.80	8
17.50-17.86	20	3xD	52.5	130	ZH17503020	£115.78	6
		5xD	87.5	165	ZH17505020	£172.82	7
		7xD	122.5	200	ZH17507020	£186.80	8
18.00-18.26	25	3xD	54	140.3	ZH18003025	£115.78	6
		5xD	90	176.3	ZH18005025	£172.82	7
		7xD	126	212.3	ZH18007025	£186.80	8
18.50-18.80	25	3xD	55.5	141.3	ZH18503025	£115.78	6
		5xD	92.5	178.3	ZH18505025	£187.75	7
		7xD	129.5	215.3	ZH18507025	£199.99	8
19.00-19.45	25	3xD	57	144.3	ZH19003025	£115.78	6
		5xD	95	182.3	ZH19005025	£187.75	7
		7xD	133	220.3	ZH19007025	£199.99	8
19.50-19.84	25	3xD	58.5	145.3	ZH19503025	£115.78	6
		5xD	97.5	184.3	ZH19505025	£187.75	7
		7xD	136.5	223.3	ZH19507025	£199.99	8
20.00-20.24	25	3xD	60	145.5	ZH20003025	£115.78	6
		5xD	100	185.5	ZH20005025	£187.75	7
		7xD	140	225.5	ZH20007025	£199.99	8
20.50-20.70	25	3xD	61.5	147.5	ZH20503025	£140.35	6
		5xD	102.5	188.5	ZH20505025	£188.81	7
		7xD	143.5	229.5	ZH20507025	£212.63	8
21.00-21.43	25	3xD	63	149.5	ZH21003025	£141.19	6
		5xD	105	191.5	ZH21005025	£188.81	7
		7xD	147	233.5	ZH21007025	£212.63	8
21.50-21.83	25	3xD	64.5	150.5	ZH21503025	£141.19	6
		5xD	107.5	193.5	ZH21505025	£188.81	7
		7xD	150.5	236.5	ZH21507025	£225.52	8

ø Range	Shank	Drill Depth	L1	L2	Order Code	Price	No. of Inserts For FREE Holder
22.00-22.23	25	3xD	66	152.4	ZH22003025	£141.19	6
		5xD	110	196.4	ZH22005025	£188.81	7
		7xD	154	240.4	ZH22007025	£212.63	8
22.50-22.70	25	3xD	67.5	153.4	ZH22503025	£141.19	6
		5xD	112.5	198.4	ZH22505025	£201.18	7
		7xD	157.5	243.4	ZH22507025	£240.89	8
23.00-23.42	25	3xD	69	155.4	ZH23003025	£141.19	6
		5xD	115	201.4	ZH23005025	£201.18	7
		7xD	161	247.4	ZH23007025	£240.89	8
23.50-23.81	25	3xD	70.5	157.4	ZH23503025	£141.19	6
		5xD	117.5	204.4	ZH23505025	£201.18	7
		7xD	164.5	251.4	ZH23507025	£240.89	8
24.00-24.21	32	3xD	72	164.8	ZH24003032	£141.19	6
		5xD	120	212.8	ZH24005032	£201.18	7
		7xD	168	260.8	ZH24007032	£258.22	8
24.50-24.70	32	3xD	73.5	165.8	ZH24503032	£174.73	6
		5xD	122.5	214.8	ZH24505032	£213.51	7
		7xD	171.5	263.8	ZH24507032	£245.24	8
25.00-25.40	32	3xD	75	167.8	ZH25003032	£174.73	6
		5xD	125	217.8	ZH25005032	£213.51	7
		7xD	175	267.8	ZH25007032	£245.24	8
25.50-25.80	32	3xD	76.5	170.8	ZH25503032	£174.73	6
		5xD	127.5	221.8	ZH25505032	£213.51	7
		7xD	178.5	272.8	ZH25507032	£245.24	8
26.00-26.19	32	3xD	78	171.2	ZH26003032	£174.73	6
		5xD	130	223.2	ZH26005032	£213.51	7
		7xD	182	275.2	ZH26007032	£182.10	8
26.50-26.99	32	3xD	79.5	172.2	ZH26503032	£174.73	6
		5xD	132.5	225.2	ZH26505032	£242.57	7
		7xD	185.5	278.2	ZH26507032	£285.88	8
27.00-27.00	32	3xD	81	174.2	ZH27003032	£174.73	6
		5xD	135	228.2	ZH27005032	£180.12	7
		7xD	189	282.2	ZH27007032	£285.88	8
27.50-27.78	32	3xD	82.5	175.2	ZH27503032	£174.73	6
		5xD	137.5	230.2	ZH27505032	£242.57	7
		7xD	192.5	285.2	ZH27507032	£233.50	8
28.00-28.18	32	3xD	84	178.2	ZH28003032	£174.73	6
		5xD	140	234.2	ZH28005032	£242.57	7
		7xD	196	290.2	ZH28007032	£285.88	8
25.50-28.58	32	3xD	85.5	179.2	ZH28503032	£229.36	6
		5xD	142.5	236.2	ZH28505032	£242.57	7
		7xD	199.5	293.2	ZH28507032	£287.57	8
29.00-29.37	32	3xD	87	182.2	ZH29003032	£170.35	6
		5xD	145	240.2	ZH29005032	£242.59	7
		7xD	203	298.2	ZH29007032	£261.50	8
29.50-29.77	32	3xD	88.5	183.2	ZH29503032	£229.43	6
		5xD	147.5	242.2	ZH29505032	£242.59	7
		7xD	206.5	301.2	ZH29507032	£287.65	8
30.00-30.16	32	3xD	90	186	ZH30003032	£229.43	6
		5xD	150	246	ZH30005032	£242.59	7
		7xD	210	306	ZH30007032	£287.65	8
30.50-30.96	32	3xD	91.5	187	ZH30503032	£229.43	6
		5xD	152.5	248	ZH30505032	£180.13	7
		7xD	213.5	309	ZH30507032	£290.31	8
31.00-31.00	32	3xD	93	188	ZH31003032	£229.44	6
		5xD	155	250	ZH31005032	£242.66	7
		7xD	217	312	ZH31007032	£290.33	8
31.50-31.75	32	3xD	94.5	191	ZH31503032	£229.44	6
		5xD	157.5	254	ZH31505032	£242.66	7
		7xD	220.5	317	ZH31507032	£290.33	8

Alpha Mill 90° Milling

Supreme chip control & low cutting resistance.

Excellent all-round performance on steel, stainless steel, HRSA's, cast iron & aluminium.



BUY 20+ INSERTS - GET A FREE ALPHA MILL BODY



ALPHA MILL FACE MILL 90°

- Helical cutting 90° face mill
- High rake angle
- Lower cutting resistance
- Sharp cutting edge



ALPHA MILL END MILL 90°

- Helical cutting 90° end mill
- High rake angle
- Lower cutting resistance
- Sharp cutting edge



Dia	Teeth	Spigot	Max Depth Cut	Order Code	Price	No. Inserts For Free Holder	Inserts
40	10	16	5.6	T596	£127.98	20	APMT06
50	12	22	5.6	T597	£155.06	30	
63	14	22	5.6	T598	£182.12	40	
40	5	16	11	T250	£68.92	20	APMT11
50	6	22	11	T252	£73.84	20	
63	8	22	11	T254	£78.76	20	
80	8	27	11	T256	£105.82	30	
100	10	32	11	T258	£127.98	40	APMT16
50	5	22	16	T243	£68.92	20	
63	6	22	16	T245	£78.76	20	
80	7	27	16	T247	£91.06	30	
100	8	32	16	T249	£113.23	40	

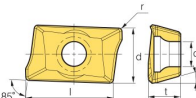
Dia	Teeth	Shank	Reach	Length	Max Depth Cut	Order Code	Price	No. Inserts For Free Holder	Inserts
12	3	12	25	80	5.6	S004	£61.53	20	APMT06
16	4	16	25	90	5.6	S005	£71.38	20	
20	4	20	30	110	5.6	S006	£95.81	20	
25	7	25	30	120	5.6	S007	£91.06	20	
32	8	32	35	120	5.6	S008	£103.36	20	APMT11
16	2	16	25	90	11	S228	£44.31	20	
20	2	20	30	100	11	S232	£51.69	20	
25	3	25	35	115	11	S236	£56.60	20	
32	4	32	40	125	11	S240	£64.00	20	APMT16
25	2	25	35	115	16	S245	£70.39	20	
32	3	32	40	125	16	S248	£75.81	20	
40	4	32	42	130	16	S250	£61.53	20	



ALPHA MILL INSERT SELECTION

- Excellent performance on steel, stainless steel, HRSA's and aluminium
- High rake angle
- Lower cutting resistance
- Sharp cutting edge



APMT Drawing	Dimensions (mm)		Insert Size	ISO Ref	Order Code					List Price	Offer Price
	l	r			Steel	Multi	Stainless	HRSA	Aluminium		
					PC3700	PC5300	PC9540	UNC840	H01		
	6	0.2	APMT060202	1-02-072214	1-02-038357	-	-	-	£13.17	£9.99	
		0.4	APMT0602PDSR	1-02-067128	1-02-037086	-	-	1-03-018735	£13.17	£9.99	
		0.8	APMT060208	1-02-072215	1-02-038358	-	-	1-03-020279	£13.17	£9.99	
		1.2	APMT060212	-	1-02-038359	-	-	-	£13.17	£9.99	
		1.6	APMT060216	-	1-02-038360	-	-	-	£13.17	£9.99	
	11.2	0.5	APMT11T3PDSR	1-02-067105	1-02-037089	1-02-074462	1-02-071026	1-03-018689	£13.17	£10.99	
		0.8	APMT11T308	1-02-071738	1-02-038368	1-02-073775	1-02-069688	1-03-020281	£13.17	£10.99	
		1.2	APMT11T312	1-02-072226	1-02-038369	-	-	-	£13.17	£10.99	
		1.6	APMT11T316	1-02-072227	1-02-038370	-	-	-	£13.17	£10.99	
		2.4	APMT11T324	1-02-072228	1-02-038372	-	-	-	£13.17	£10.99	
	16.4	0.4	APMT160404	-	1-02-042168	1-02-074464	-	-	£15.40	£11.99	
		0.8	APMT1604PDSR	1-02-067089	1-02-038374	1-02-074476	-	1-03-018153	£15.40	£11.99	
		1.0	APMT160410	1-02-072231	1-02-038375	-	-	-	£15.40	£11.99	
		1.6	APMT160416	1-02-072232	1-02-038376	-	-	-	£15.40	£11.99	
		2.4	APMT160424	1-02-072233	1-02-038377	-	-	-	£15.40	£11.99	

RM3 90° Milling

True perpendicularity in shoulder milling applications.

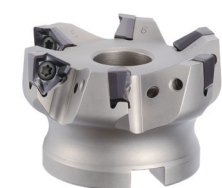
Strong insert design with 3-face clamping offers maximum stability and exceptional surface finish.

BUY 20+ INSERTS - GET A FREE RM3 MILL



RM3 FACE MILL 90°

- Perfect 90° square shoulder face mill
- Exceptionally low cutting resistance, low machine tool power requirement



Dia	Teeth	Spigot	Max Cut Depth	Order Code	Price	No. Inserts for Free Holder	Inserts
40	6	16	5.5	T853	£76.15	20	XNKT06
50	7	22		T854	£83.29	20	
63	8	22		T855	£99.96	20	
80	10	27		T856	£123.76	30	
40	4	16	8	T900	£57.12	20	XNKT08
50	5	22		T902	£66.64	20	
63	6	22		T904	£76.15	30	
80	7	27		T906	£88.06	30	
100	8	32		T907	£114.25	40	



RM3 END MILL 90°

- Perfect 90° square shoulder end mill
- Exceptionally low cutting resistance, low machine tool power requirement

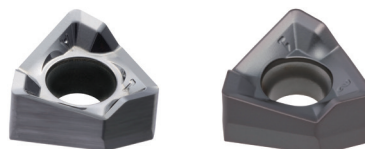


Dia	Teeth	Shank	Reach	Overall Length	Max Cut Depth	Order Code	Price	No. Inserts for Free Holder	Inserts
20	2	20	35	100	5.5	S834	£76.15	20	XNKT06
25	3	25	40	115		S838	£80.93	20	
32	4	32	42	125		S841	£80.93	20	
40	5	32	45	130		S842	£80.93	30	
32	3	32	42	125	8	S843	£73.31	20	XNKT08
40	3	32	42	130		S844	£78.55	30	



RM3 INSERT SELECTION

- Excellent performance on steel, stainless steel, HRSA's and aluminium
- True 90° square shoulder milling
- Lower cutting resistance
- Lower cost per edge



XNCT / XNKT Drawing	Dimensions (mm)		Insert Size	ISO Ref	Order Code					List Price	Offer Price
	l	r			Steel PC3700	Multi PC5300	Stainless PC9540	HRSA UNC840	Aluminium H01		
	5.7	0.5	XNCT06	XNCT / XNXT060405PN	1-02-072382	1-02-054253	1-02-072987	-	1-03-023333	£11.11	£9.99
		0.8	XNKT06	XNCT / XNXT060408PN	1-02-072087	1-02-066210	-	-	-	£11.11	£9.99
	8.2	0.4	XNCT08 XNKT08	XNCT / XNKT080504PN	1-02-072385	1-02-066401	1-02-074527	-	1-03-022420	£12.99	£11.99
		0.8		XNCT / XNKT080508PN	1-02-071627	1-02-052492	1-02-072814	1-02-072830	1-03-021492	£12.99	£11.99
		1.2		XNCT / XNKT080512PN	1-02-072388	1-02-057773	-	-	1-03-023074	£12.99	£11.99
		1.6		XNCT / XNKT080516PN	1-02-072389	1-02-057774	-	-	-	£12.99	£11.99
		2		XNCT / XNKT080520PN	-	1-02-057775	-	-	1-03-023075	£12.99	£11.99

HFM Mini High Feed Milling

High performance and high accuracy high feed milling from Ø8mm.

Increase productivity in small diameter machining with high feed per tooth and reinforced cutting edges.

BUY 20+ INSERTS - GET A FREE HOLDER



HFM MILL END MILL

- Ultra high metal removal rates



Dia	Teeth	Shank	Reach	Length	ap	Order Code	Price	No. Inserts for FREE Holder	Inserts
8	1	10	35	120		HFMS1008HR-1L10	£75.56	20	
10	2	8	25	100		HFMS1010HR-2M08	£73.47	20	
10	2	8	35	120		HFMS1010HR-2L08	£75.56	20	
10	2	10	35	120		HFMS1010HR-2L10	£75.56	20	
11	2	10	35	120		HFMS1011HR-2L10	£75.56	20	
12	3	10	25	105		HFMS1012HR-3M10	£79.32	20	
12	3	10	35	120		HFMS1012HR-3L10	£82.50	20	
13	3	12	40	120		HFMS1013HR-3L12	£82.50	20	
14	3	12	25	105		HFMS1014HR-3M12	£90.64	20	
14	3	12	40	120		HFMS1014HR-3L12	£93.24	20	LPMT04
15	4	12	40	120	<0.5	HFMS1015HR-4L12	£101.72	20	LPMW04
16	4	16	25	105		HFMS1016HR-4M16	£98.85	20	LPEW04
16	4	16	40	120		HFMS1016HR-4L16	£101.72	20	
17	4	16	20	80		HFMS1017HR-4S16	£95.07	20	
17	4	16	25	105		HFMS1017HR-4M16	£98.85	20	
18	4	16	40	120		HFMS1018HR-4L16	£101.72	20	
19	4	16	40	120		HFMS1019HR-4L16	£101.72	20	
20	4	20	40	120		HFMS1020HR-4L20	£101.72	20	
20	5	20	40	120		HFMS1020HR-5L20	£109.84	20	
21	5	20	25	105		HFMS1021HR-5M20	£106.79	30	
21	5	20	40	120		HFMS1021HR-5L20	£109.84	30	



HFM MILL END MILL WITH SCREWED SHANK

- Ultra high metal removal rates



Dia	Teeth	Reach	Length	Thread	ap	Order Code	Price	No. Inserts for FREE Holder	Inserts
8	1	17	32	M06		HFMM1008HR-M06	£91.30	20	
10	2	17	32	M06		HFMM1010HR-M06	£94.95	20	
11	2	17	32	M06		HFMM1011HR-M06	£94.95	20	
12	3	19	34	M6B		HFMM1012HR-M06	£108.61	20	
13	3	19	34	M6B		HFMM1013HR-M06	£108.61	20	
16	4	22	39	M08	<0.5	HFMM1016HR-M08	£124.27	20	LPMT04
17	4	22	39	M08		HFMM1017HR-M08	£136.68	30	LPMW04
20	5	25	46	M10		HFMM1020HR-M10	£156.36	30	LPEW04
25	6	27	51	M12		HFMM1025HR-M12	£178.88	30	
26	6	27	51	M12		HFMM1026HR-M12	£178.88	30	
32	8	30	60	M16		HFMM1032HR-M16	£212.83	40	
33	8	30	60	M16		HFMM1033HR-M16	£212.83	40	



HFM INSERTS

- PVD coated grades for steel, hardened steel, cast iron, stainless steel & HRSA's
- High accuracy machining



Drawing	Dimensions (mm)		ISO Ref	Chipbreaker	Order Code					List Price	Offer Price
	l	r			Steel	Multi	Stainless	Hardened Steel	HRSA		
					PC3700	PC5400	PC5300	PC2510	UNC840		
	1		LPMT040210R	MF (Finishing)	1-02-070260	1-02-056664	1-02-056663	1-02-059779	1-02-073074	£14.24	£12.99
	2		LPMT040220R	MF (Finishing)	1-02-070261	1-02-060313	1-02-060312	1-02-060314	1-02-073075		
	1	6.4	LPMW040210R	Plain	-	-	1-02-059305	1-02-059356	-	£14.23	£12.99
	2		LPMW040220R	Plain	-	-	1-02-060316	1-02-060317	-		
	1		LPEW040210R	Plain (Ground)	-	-	1-02-056657	1-02-058155	-	£14.28	£12.99
	2		LPEW040220R	Plain (Ground)	-	-	1-02-060319	1-02-060320	-		

HF4 High Feed Mill

Extreme metal removal capabilities with ultra-low cutting resistance.

Increase productivity in small diameter machining with high feed per tooth and reinforced cutting edges.

BUY 20+ INSERTS - GET A FREE HOLDER



HF4 FACE MILL

- Ultra-high performance high feed milling
- Choice of 2 insert sizes:
ENMX06 (HF4 MINI) & ENMX09 (HF4 MIDI)
- Ultra-thick insert with 4 cutting edges



Dia	Spigot	Teeth	Max Cut Depth	Order Code	Price	No. Inserts for FREE Holder	Inserts
40	16	6	1	YG-17000482	£208.45	20	ENMX06
50	22	6		YG-17000471	£220.65	20	
63	22	7		YG-17000754	£249.03	20	
50	22	4	1.5	YG-17000821	£183.71	20	ENMX09
63	22	5		YG-17000823	£213.85	20	
80	27	8		YG-17000755	£282.82	20	
100	32	10		YG-17000824	£366.25	30	
125	40	12		YG-17000825	£455.52	40	



HF4 END MILL

- Ultra-high performance high feed milling
- Choice of 2 insert sizes:
ENMX06 (HF4 MINI) & ENMX09 (HF4 MIDI)
- Ultra-thick insert with 4 cutting edges



Dia	Shank	Teeth	Reach	Length	Max Cut Depth	Order Code	Price	No. Inserts for FREE Holder	Inserts
16	16	2	20	100	0.9	YG-17000644	£98.44	20	ENMX06
16	16	2	50	150		YG-17000645	£104.13	20	
20	20	3	50	130	1	YG-17000463	£126.35	20	
20	20	3	80	160		YG-17000646	£142.66	20	
25	25	4	60	140		YG-17000647	£156.82	20	
25	25	4	80	180		YG-17000648	£165.98	20	
32	32	5	70	150		YG-17000649	£193.84	30	
32	32	5	100	200	1.5	YG-17000465	£218.45	30	ENMX09
25	25	2	70	150		YG-17000745	£109.37	20	
32	32	3	70	160		YG-17000748	£131.31	30	
40	32	5	40	180		YG-17000751	£182.71	30	



HF4 INSERTS

- PVD coated grades for steel, hardened steel, cast iron and stainless steel
- Highest strength due to thickness of inserts and wide flank face
- 4 cutting edges per insert



ENMX0604



ENMX0905

Drawing	Dimensions (mm)		Insert Size	ISO Ref	Order Code					List Price	Offer Price
	IC	S			Steel YG622	Multi YG612	Stainless ST-YG613	Hardened Steel TR-YG622	HRSA ST-YG904		
	6.3	4.21	ENMX06	ENMX0604	YG-12000553	YG-12000973	YG-12000625	YG-12000552	YG-12001184	£14.84	£9.99
	9	5.4	ENMX09	ENMX0905	YG-12000704	YG-12000824	YG-12000706	YG-12000629	YG-12001187	£17.81	£11.99

HRM Double High Feed Milling

Heavy duty high feed milling with double sided 6 corner inserts.

Economical high feed milling from 1mm depth of cut with various insert sizes and diameters up to 125mm.



BUY 20+ INSERTS - GET A FREE HOLDER



HRM DOUBLE HIGH FEED FACE MILL

- Double sided inserts with 6 cutting edges
- Ultra high metal removal rates
- WNMX09 & WNMX13 insert sizes



Dia (mm)	Teeth	Spigot (mm)	ap	Order Code	Price	No. Inserts for Free Holder	Inserts
40	4	16	1.5	T669	£58.77	20	WNMX09
50	5	22	1.5	T670	£68.15	20	WNMX09
63	6	22	1.5	T671	£76.56	20	WNMX09
80	6	27	1.5	T671-1	£82.79	20	WNMX09
100	7	32	1.5	T671-2	£91.77	30	WNMX09
63	4	22	2	T687	£57.42	20	WNMX13
80	5	27	2	T688	£76.56	20	WNMX13
100	6	32	2	T689	£114.86	30	WNMX13
125	7	40	2	T690	£139.57	30	WNMX13



HRM DOUBLE HIGH FEED END MILL

- Double sided inserts with 6 cutting edges
- Ultra high metal removal rates
- WNMX06, WNMX09 & WNMX13 insert sizes

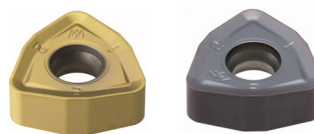


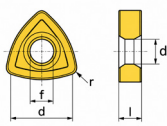
Dia (mm)	Teeth	Shank (mm)	Reach (mm)	Length (mm)	ap	Order Code	Price	No. Inserts for Free Holder	Inserts
16	2	16	70	150	1	S898	£71.50	20	WNMX06
17	2	16	20	150	1	S903	£76.56	20	WNMX06
20	2	20	100	180	1	S899	£71.88	20	WNMX06
21	2	20	20	180	1	S904	£71.50	20	WNMX06
25	3	25	60	140	1	S905	£78.78	20	WNMX06
25	3	25	80	180	1	S905	£78.78	20	WNMX06
26	3	25	30	140	1	S906	£85.21	20	WNMX06
25	2	25	60	140	1.50	S802	£77.30	20	WNMX09
26	2	25	60	140	1.50	S803	£76.56	20	WNMX09
32	3	32	70	150	1.50	S805	£78.99	20	WNMX09
33	3	32	70	150	1.50	S806	£78.60	20	WNMX09
40	4	32	50	150	1.50	S807	£87.56	30	WNMX09
32	2	32	120	200	2	S800	£71.48	20	WNMX13
40	3	32	50	150	2	S801	£49.95	30	WNMX13



HRM DOUBLE INSERT SELECTION

- 6 cutting edges, from £1.66 per edge
- Strong cutting edge for demanding applications
- Suitable for steel, stainless, pre-hardened steel, and HRSA's



WNMX Drawing	Dimensions (mm)		Insert Size	ISO Ref	Order Code				List Price	Offer Price
	l	r			Steel	Multi	Stainless	Hardened Steel PC2510		
					PC3700	PC5400	PC5300			
	6.335	1.2	WNMX06	WNMX060312ZNN	1-02-067139	1-02-051306	1-02-042197	1-02-059524	£12.67	£9.99
	9.53	1.60	WNMX09	WNMX09T316ZNN	1-02-067116	1-02-051307	1-02-036423	1-02-059526	£14.52	£12.99
	12.70	2	WNMX13	WNMX130520ZNN	1-02-070270	1-02-051308	1-02-036424	1-02-061342	£19.81	£13.99

Pro-X Milling System

**Next generation high speed aluminium machining
with ultra high metal removal & mirror finish.**

BUY 10+ INSERTS - GET A FREE HOLDER



PRO-X MILL FACE MILL 90° APPROACH

- Corner radius inserts from 0.4-3.2mm with 17mm maximum depth of cut (ap)
- For high speed aluminium machining
- Ultra high metal removal & mirror finish
- Sharp cutting edge guarantees high accuracy
- High rake inserts for improved chip control in long swarf applications



Dia	Teeth	Spigot	Overall Length	Max Cut Depth	Order Code	Price	No. Inserts for Free Holder	Inserts
40	3	16	40	17	T365	£50.93	20	XEKT19 0.4-3.2 Radius
50	4	22	50		T366	£166.50	20	
63	4	22	50		T367	£206.95	20	
80	5	27	50		T368	£232.30	20	
100	6	32	63		T369	£188.54	30	
125	7	40	63		T370	£239.96	30	



PRO-X MILL END MILL 90° APPROACH

- Corner radius inserts from 0.4-3.2mm with 17mm maximum depth of cut (ap)
- For high speed aluminium machining
- Ultra high metal removal & mirror finish
- Sharp cutting edge guarantees high accuracy
- High rake inserts for improved chip control in long swarf applications



Dia	Teeth	Shank	Reach	Overall Length	Max Cut Depth	Order Code	Price	No. Inserts for Free Holder	Inserts
20	1	20	60	130	17	S383	£85.70	10	XEKT19 0.4-3.2 Radius
20	1	20	60	200		S384	£90.60	20	
25	2	25	60	140		S385	£112.64	10	
25	2	25	60	200		S386	£77.38	20	
32	2	32	70	150		S387	£112.64	10	
32	2	32	70	220		S388	£122.43	20	
40	3	32	70	160		S389	£146.92	20	



PRO-X MILL INSERTS SELECTION

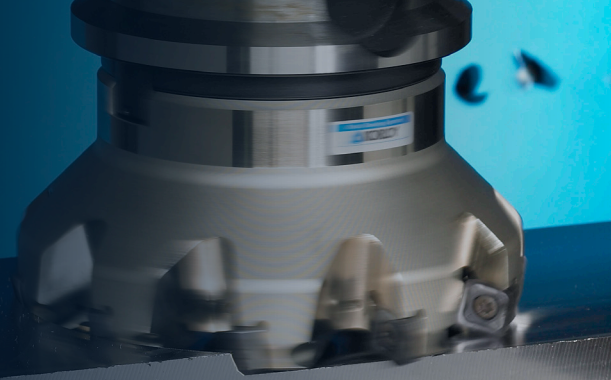
- Uncoated polished inserts with high rake prevents built up edge
- Excellent chip control
- Ground for supreme surface finish machining



XEKT	Dimensions				ISO Code	Order Code	List Price	Offer Price
	l	l1	r	d1		Non-Ferrous H01 (Uncoated)		
	18	1.4	0.4	4.4	XEKT19M504FR-MA	1-03-013570	£19.55	£17.99
	18	1	0.8		XEKT19M508FR-MA	1-03-013571		
	18	0.6	1.2		XEKT19M512FR-MA	1-03-013572		
	17.5	0.5	1.6		XEKT19M516FR-MA	1-03-013573		
	17.5	0.5	1.8		XEKT19M518FR-MA	1-03-014504		
	17.5	0.5	2		XEKT19M520FR-MA	1-03-013574		
	17	0.7	3		XEKT19M530FR-MA	1-03-013575		
	17	0.5	3.2		XEKT19M532FR-MA	1-03-013576		

Rich Mill RM8

45° face milling system with double sided inserts & 8 cutting edges.



BUY 20+ INSERTS - GET A FREE RM8 FACE MILL



RM8 FACE MILL 45°

- Double sided insert gives 8 usable cutting edges
- High rake angle provides low cutting resistance and smooth chip flow, even in high feed/large depth of cut applications
- Exceptional performance in 45° face milling from roughing to fine finishing with ultra strong inserts

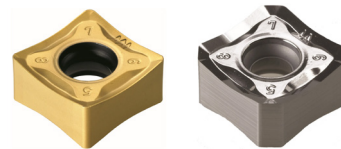


Dia.	Spigot	Teeth	Length	Max Cut Depth	Order Code	Price	No. Inserts for FREE Holder	Inserts
50	22	4	40	4.0	T320	£57.12	20	SNEX1206 SNMX1206
63	22	6	40		T322	£76.15	20	
80	27	7	50		T325	£88.06	20	
100	32	8	50		T330	£114.25	20	
125	40	10	63		T332	£154.71	30	
160	40	12	63		T334	£188.03	40	
200	60	14	63		T335	£268.94	50	



RM8 MILL INSERTS SELECTION

- Double sided insert gives 8 usable cutting edges
- High rake angle provides low cutting resistance and smooth chip flow, even in high feed/large depth of cut applications



SNMX/SNEX Drawing	Dimensions			Designation	Finish	Order Code					List Price	Offer Price
	Max Cut Depth	Insert Thickness	Type			Multi Purpose PC5300	Carbon & Alloy Steel PC3700	Stainless Steel PC9530	HRSA & Stainless PC5400	Aluminium & Copper H01		
	6.0	6.35	Std 45°	SNMX1206ANN-MM	Coated	1-02-037111	1-02-072176	1-02-026730	1-02-051296	-	£17.28	£14.99
			Ground 45°	SNEX1206ANN-MA	Polished Uncoated	-	-	-	-	1-03-014776	£16.30	£14.99

FM10 36° Face Mill

Combines multi-corner performance with high feed capabilities.

BUY 20+ INSERTS - GET A FREE FM10 FACE MILL



FM10 (PNMU) FACE MILL 36°

- 36° approach with high feed rates
- High depths of cut
- Stable cutting performance

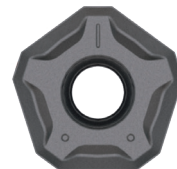


ØD	Ød	Teeth	H	Order Code	Price	No. of Inserts for FREE Holder	Inserts
50	22	4	40	YG-17000774	£266.10	20	PNMU 1206
63	22	5	40	YG-17000775	£312.92	20	
80	27	8	50	YG-17000466	£435.30	20	
100	32	10	50	YG-17000467	£537.90	20	
125	40	10	63	YG-17000786	£637.30	30	



FM10 (PNMU) INSERTS SELECTION

- Double sided insert gives 8 usable cutting edges
- High rake angle provides low cutting resistance and smooth chip flow, even in high feed/large depth of cut applications



PNMU Drawing	R	IC	S	ISO Code	Order Code				List Price	Offer Price
					Steel YG712	Multi Purpose YG602	Stainless Steel YG613	Cast Iron YG5020		
	0.8	1.4	5.84	PNMU1206ZNN	12000596	12000535	12000760	12000534	£15.20	£11.99

FMR-P Button Mill

Button insert indexable milling system for copy milling or roughing applications.

BUY 20+ INSERTS - GET A FREE HOLDER



FMR-P BUTTON INSERT FACE MILL

- Button insert style face mill
- Insert sizes: 10mm & 12mm
- For rough milling, high metal removal or copy milling



Holder Dia	Spigot	Teeth	Insert Diameter	Max Depth Cut	Order Code	Price	No. Inserts for FREE Holder	Inserts
40	16	5	10	5	T706	£68.56	20	RPCT10
50	22	6			T707	£78.36	20	RPMT10
63	22	6			T708	£76.56	20	RPMW10
80	27	7			T709	£93.31	30	
50	22	5	12	6	T711	£66.99	20	RPCT12
63	22	5			T712	£81.78	20	RPMT12
80	27	6			T713	£89.23	30	RPMW12
100	32	7			T714	£105.29	30	



FMR-P BUTTON INSERT END MILL

- Button insert style end mill
- Insert sizes: 8mm, 10mm & 12mm
- For rough milling, high metal removal or copy milling

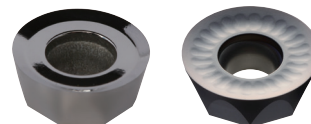


Holder Dia	Shank	Teeth	Reach	Length	Insert Diameter	Max Depth Cut	Order Code	Price	No. Inserts for FREE Holder	Inserts
16	16	2	35	130	8	4	R310	£62.75	20	
18	16	2	35	150			R311	£72.30	20	RPMT08
20	20	3	35	130			R312	£71.79	20	RMPW08
25	25	4	35	150			R313	£83.25	30	
20	20	2	40	120	10	5	R316	£62.22	20	
25	25	2	40	120			R317	£60.01	20	
25	25	2	60	160			R318	£70.94	20	RPCT10
32	32	4	40	125			R319	£69.54	20	RPMT10
32	25	4	60	200			R320	£88.71	20	RPMW10
40	32	4	35	150			R321	£84.23	30	
25	25	2	60	160	12	6	R325	£73.04	20	RPCT12
32	32	3	60	160			R326	£76.56	20	RPMT12
40	32	4	35	150			R327	£83.25	30	RPMW12



FMR-P INSERTS SELECTION

- Flat contact face for clamping prevents the insert rotating in the holder, ensuring multiple uses per insert
- High rake positive 11° cutting angle
- Low cutting resistance
- Specific cutting edge and chipbreaker geometries for different materials



RPCT/RPMT/RPMW Drawing	Insert Diameter	Designation	Chip Breaker	Chipbreaker Application	Steel PC3700	Multi Purpose PC5300	HRSA & Stainless PC5400	Hardened Steel PC2510	Aluminium & Plastic H01	List Price	Offer Price
	10	RPCT10T3M0-MA	MA	Aluminium / Non-Ferrous machining	-	-	-	-	1-03-019875	£11.56	£8.99
	12	RPCT1204M0-MA			-	-	-	-	1-03-019832	£14.71	£9.99
	8	RPMT0803M0S-MM	MM	General machining, stronger cutting edge	-	1-02-052792	-	-	-	£8.49	£7.99
	10	RPMT10T3M0S-MM			1-02-072296	1-02-052762	1-02-052763	-	-	£11.61	£8.99
	12	RPMT1204M0S-MM			1-02-071721	1-02-052335	1-02-052338	1-02-064161	-	£13.45	£9.99
	8	RPMW0803M0E1	Plain	High hardness material machining	-	1-02-052794	1-02-052795	-	-	£8.49	£7.99
	10	RPMW10T3M0E1			-	1-02-053855	1-02-053856	1-02-063551	-	£11.61	£8.99
	12	RPMW1204M0S1			-	1-02-052336	1-02-052339	1-02-061346	-	£13.05	£9.99

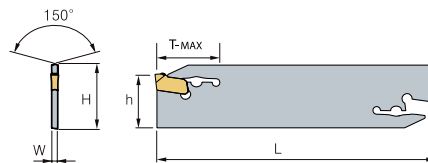
Sawman-X Parting

The 1st choice system for high performance parting off and stable deep grooving.

BUY 20 INSERTS - GET A FREE SAWMAN-X BLADE/HOLDER

SAWMAN-X PARTING BLADE

- Exceptional chip control in high feed parting
- Stable performance during large depth of cut
- 3 point clamping design secures the insert, preventing pull out
- Reduced vibration increases stability during machining
- Insert wrench included with blade

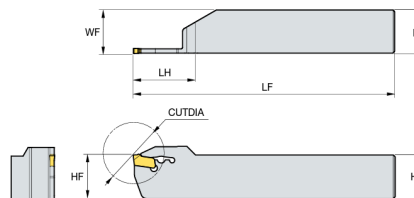


H Blade Height	h	L	W	T-Max	Insert Width	Designation	Parting Blade Order Code	Price	No. of Inserts for FREE Blade	Insert Order Code	Wrench (Spare)
26	21	110	1.6	25	2mm	KSPB 2026	1-06-056533	£80.15	20	KSP200-020	CW08
			2.4	36	3mm	KSPB 3026	1-06-057070	£80.15	20	KSP300-020	
			3.2	36	4mm	KSPB 4026	1-06-056534	£80.15	20	KSP400-025	
32	25	150	1.6	26	2mm	KSPB 2032	1-06-056563	£80.15	20	KSP200-020	
			2.4	60	3mm	KSPB 3032	1-06-056564	£80.15	20	KSP300-020	
			3.2	60	4mm	KSPB 4032	1-06-056565	£80.15	20	KSP400-025	

SAWMAN-X INTEGRAL PARTING HOLDER

For High Performance Parting

- Square shank stopper type holder
- Placed directly into a integral static tool holder (no need for a parting block)
- Increased rigidity compared to block and blade type setup



B (Shank)	LH	LF	HF	Cut Diameter	Insert Width mm	Designation	Order Code	Price	No. of Inserts for FREE Holder	Inserts	Spares Wrench
25	33	150	1.6	50	2	KSPH 225R	1-06-060157	£95.70	20	KSP200-020-N	CW08
20	35	120	2.4	54	3	KSPH 320R	1-06-060159	£95.70	20	KSP300-020-N	
25	36	150	3.2	56	3	KSPH 325R	1-06-057361	£95.70	20	KSP300-020-N	
20	40	120	1.6	64	4	KSPH 420R	1-06-060162	£95.70	20	KSP400-025-N	
25	41	150	2.4	66	4	KSPH 425R	1-06-060164	£95.70	20	KSP400-025-N	

SAWMAN-X INSERTS

- Exceptional chip control in high feed parting
- Ultimate stability during deep grooving & parting applications
- Neutral or right hand geometry



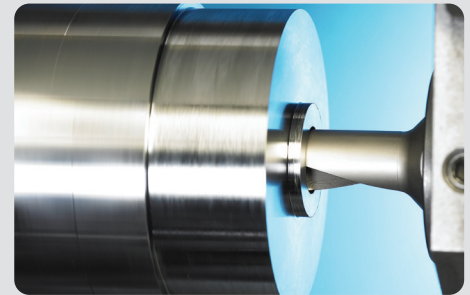
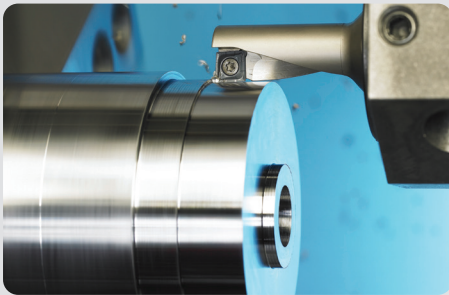
Type	Width	Designation Neutral	Order Code: Neutral			Designation Right Hand	Order Code: Right Hand			List Price	Offer Price
			PC5300 Multi	PC3035 Steel	PC8110 Stainless		PC5300 Multi	PC3035 Steel	PC8110 Stainless		
N	1st choice for Steel & Cast Iron	2 KSP200-020-N	1-02-071342	1-02-073832	1-02-073829	KSP200R-6D-N	1-02-079615	1-02-081171	1-02-081170	£12.46	£9.99
		3 KSP300-020-N	1-02-069098	1-02-073833	1-02-073830	KSP300R-6D-N	1-02-078183	1-02-079151	1-02-081173	£12.57	£9.99
		4 KSP400-025-N	1-02-071344	1-02-073834	1-02-073831	KSP400R-6D-N	1-02-079618	1-02-081178	1-02-081177	£13.17	£10.99
S	Dedicated for Stainless & Exotics	2 KSP200-020-S	1-02-080654	-	1-02-080655	-	-	-	-	£12.46	£9.99
		3 KSP300-020-S	1-02-077266	-	1-02-077136	-	-	-	-	£12.57	£9.99
		4 KSP400-025-S	1-02-080656	-	1-02-080657	-	-	-	-	£13.17	£10.99

Multi-Turn

Turn, Face, Drill and Bore with 1 tool.

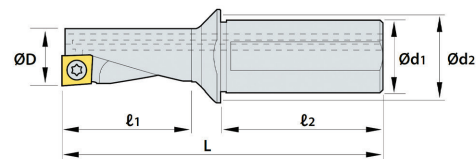
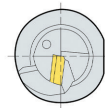
Carry out multiple operations with 1 tool, saving space in your turret and reducing tool change times.

BUY 10 INSERTS - GET A FREE MULTI-TURN HOLDER



MULTI-TURN TOOLHOLDER

- 2.25xD
- The system uses a positive QCMT or QCGT (Non-Ferrous) insert, providing excellent chip control and low cutting resistance

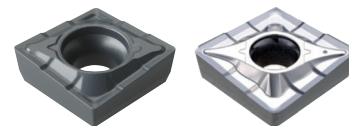


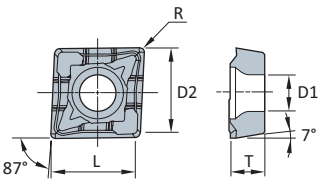
ØD	Ød1	Ød2	L1	L2	L	Order Code	Price	No. of Inserts for FREE Holder	Inserts
10	12	16	22.5	42	69.5	U030	£80.93	20	QCMT050204
12	16	20	27	45	48	U032	£80.93	20	QCMT060204
14	16	20	31.5	45	83.5	U034	£83.29	20	QCMT070304
16	20	25	36	50	94	U036	£83.29	20	QCMT080304
20	25	32	45	56	111	U040	£90.44	20	QCMT10T304
25	32	40	56.5	61	130	U042	£89.45	20	QCMT130408



MULTI-TURN INSERTS SELECTION

- Grades available for machining steel, stainless steel, exotics and cast iron
- Ideal for small turrets with limited stations
- Drill, bore, face turn and OD turn with just 1 toolholder & insert



Geometry	Dimensions		Designation	Order Code			Price
	L	R		Steel NC3225	Multi Purpose PC5300	Aluminium H01	
	5	0.4	QCMT 050204-CM	1-02-066546	1-02-037674	-	£10.59
	6	0.4	QCMT 060204-CM	1-02-066547	1-02-037673	-	£10.59
	7	0.4	QCMT 070304-CM	1-02-066548	1-02-037672	-	£10.59
	8	0.4	QCMT 080304-CM	1-02-066549	1-02-037671	-	£10.79
	10	0.4	QCMT 10T304-CM	1-02-066550	1-02-037670	-	£12.71
	12.7	0.8	QCMT 130408-CM	1-02-066551	1-02-053387	-	£15.23
	5	0.4	QCGT 050204-CA	-	-	1-03-020296	£11.67
	6	0.4	QCGT 060204-CA	-	-	1-03-020297	£11.67
	7	0.4	QCGT 070304-CA	-	-	1-03-020298	£11.67
	8	0.4	QCGT 080304-CA	-	-	1-03-020167	£11.86
	10	0.4	QCGT 10T304-CA	-	-	1-03-020168	£13.97
	12.7	0.8	QCGT 130408-CA	-	-	1-03-020299	£16.77

Thread Turning

Precision threading solutions.

Accurate, consistent thread profiles for reliable machining performance.

BUY ANY 20 INSERTS - GET A FREE THREADING HOLDER



THREADING HOLDER INTERNAL

■ Screw clamping



Shank ØD	Min. Bore	Order Code	Price	No. of Inserts for FREE Holder	Inserts
10	12	K348	£34.98	20	2IR (11NR)
12	14	K350	£36.62		
16	20	K352	£43.28		
20	25	K354	£46.62		
25	29	K356	£49.98		
32	36	K358	£76.59	20	3IR (16NR)
20	24	K358-1	£51.07		
25	32	K359	£49.98		
32	36	K360	£76.59		
40	45	K360-1	£105.79		



THREADING HOLDER EXTERNAL

■ Screw clamping

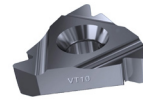


Shank	Order Code	Price	No. of Inserts for FREE Holder	Inserts
12	D500	£51.90	20	3ER (16ER)
16	D501	£51.90		
20	D502	£56.46		
25	D503	£61.05		
32	D504	£71.72		
25	D505	£69.51	20	4ER (22ER)
32	D506	£83.09		

VARDEX

ISO METRIC 60°

■ Universal VTX grade

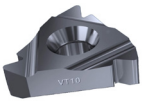


Pitch mm	Order Code		Price
	Internal	External	
0.5	2IR0.5ISO VTX	2ER0.5ISO VTX	£13.99
0.7	2IR0.7ISO VTX	2ER0.7ISO VTX	
0.75	2IR0.75ISO VTX	2ER0.75ISO VTX	
0.8	2IR0.8ISO VTX	2ER0.8ISO VTX	
1	2IR1.0ISO VTX	2ER1.0ISO VTX	
1.25	2IR1.25ISO VTX	2ER1.25ISO VTX	
1.5	2IR1.5ISO VTX	2ER1.5ISO VTX	
1.75	2IR1.75ISO VTX	2ER1.75ISO VTX	
2	2IR2.0ISO VTX	2ER2.0ISO VTX	
2.5	2IR2.5ISO VTX	-	
0.5	3IR0.5ISO VTX	3ER0.5ISO VTX	£11.99
0.7	3IR0.7ISO VTX	3ER0.7ISO VTX	
0.75	3IR0.75ISO VTX	3ER0.75ISO VTX	
0.8	3IR0.8ISO VTX	3ER0.8ISO VTX	
1	3IR1.0ISO VTX	3ER1.0ISO VTX	
1.25	3IR1.25ISO VTX	3ER1.25ISO VTX	
1.5	3IR1.5ISO VTX	3ER1.5ISO VTX	
1.75	3IR1.75ISO VTX	3ER1.75ISO VTX	
2	3IR2.0ISO VTX	3ER2.0ISO VTX	
2.5	3IR2.5ISO VTX	3ER2.5ISO VTX	
3	3IR3.0ISO VTX	3ER3.0ISO VTX	£17.99
3.5	4IR3.5ISO VTX	4ER3.5ISO VTX	
4	4IR4.0ISO VTX	4ER4.0ISO VTX	
4.5	4IR4.5ISO VTX	4ER4.5ISO VTX	
5	4IR5.0ISO VTX	4ER5.0ISO VTX	£17.99
6	4IR6.0ISO VTX	4ER6.0ISO VTX	

VARDEX

UNIFIED (UN) 60°

■ Universal VTX grade

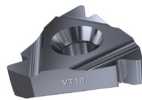


Pitch TPI	Order Code		Price
	Internal	External	
40	2IR40UN VTX	2ER40UN VTX	£13.99
36	2IR36UN VTX	2ER36UN VTX	
32	2IR32UN VTX	2ER32UN VTX	
28	2IR28UN VTX	2ER28UN VTX	
24	2IR24UN VTX	2ER24UN VTX	
20	2IR20UN VTX	2ER20UN VTX	
18	2IR18UN VTX	2ER18UN VTX	
16	2IR16UN VTX	2ER16UN VTX	
14	2IR14UN VTX	2ER14UN VTX	
32	3IR32UN VTX	3ER32UN VTX	£11.99
28	3IR28UN VTX	3ER28UN VTX	
24	3IR24UN VTX	3ER24UN VTX	
20	3IR20UN VTX	3ER20UN VTX	
18	3IR18UN VTX	3ER18UN VTX	
16	3IR16UN VTX	3ER16UN VTX	
14	3IR14UN VTX	3ER14UN VTX	
12	3IR12UN VTX	3ER12UN VTX	
11	3IR11UN VTX	3ER11UN VTX	
10	3IR10UN VTX	3ER10UN VTX	£17.99
9	3IR9UN VTX	3ER9UN VTX	
8	3IR8UN VTX	3ER8UN VTX	
7	4IR7UN VTX	4ER7UN VTX	
6	4IR6UN VTX	4ER6UN VTX	
5	4IR5UN VTX	4ER5UN VTX	

VARDEX

BSPT

■ Universal VTX grade

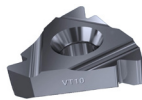


Pitch TPI	Order Code		Price
	Internal	External	
28	3IR28BSPT VTX	3ER28BSPT VTX	£11.99
19	3IR19BSPT VTX	3ER19BSPT VTX	
14	3IR14BSPT VTX	3ER14BSPT VTX	
11	3IR11BSPT VTX	3ER11BSPT VTX	

VARDEX

NPT 60° (GROUND)

■ Universal VTX grade

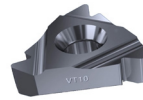


Pitch TPI	Order Code		Price
	Internal	External	
27	3IR27NPT VTX	3ER27NPT VTX	£11.99
18	3IR18NPT VTX	3ER18NPT VTX	
14	3IR14NPT VTX	3ER14NPT VTX	
11.5	3IR11.5NPT VTX	3ER11.5NPT VTX	
8	3IR8NPT VTX	3ER8NPT VTX	

VARDEX

WHITWORTH 55° (GROUND)

■ Universal VTX grade



Pitch mm	Order Code		Price
	Internal	External	
26	3IR26W VTX	3ER26W VTX	£11.99
24	3IR24W VTX	3ER24W VTX	
20	3IR20W VTX	3ER20W VTX	
19	3IR19W VTX	3ER19W VTX	
18	3IR18W VTX	3ER18W VTX	
16	3IR16W VTX	3ER16W VTX	
14	3IR14W VTX	3ER14W VTX	
12	3IR12W VTX	3ER12W VTX	
11	3IR11W VTX	3ER11W VTX	
10	3IR10W VTX	3ER10W VTX	
9	3IR9W VTX	3ER9W VTX	
8	3IR8W VTX	3ER8W VTX	

KGT Grooving

Multifunctional economical turning system for grooving, parting off and profiling.

A complete tooling solution in a wide selection of applications including external and internal machining, parting off, copying & relief machining.

BUY 10 INSERTS - GET A FREE KGT GROOVING TOOL



KGT EXTERNAL GROOVING HOLDERS **KGEHR**

- External grooving, parting & turning
- 4 point secure clamping
- 2 edges per insert

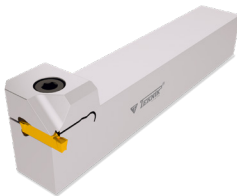


Shank	T-Max	Length	Insert Width	Order Code	Price	No. of Inserts for FREE Holder	Inserts
20	18	125	2	D635	£72.18	10	KGMN 200
25	18	150	2	D636	£73.61	10	KGMN 200
20	20	125	3	D637	£72.18	10	KGMN 300
25	22	150	3	D638	£73.61	10	KGMN 300
20	20	125	4	D639	£72.18	10	KGMN 400
25	22	150	4	D640	£73.61	10	KGMN 400



KGT FACE GROOVING HOLDERS **KGEVR**

- Face grooving & profiling
- 4 point secure clamping
- 2 edges per insert
- All toolholders right hand



Shank	D min	T-Max	Length	Insert Width	Order Code	Price	No. of Inserts for FREE Holder	Inserts
20	120	3.5	125	2	D622	£72.18	10	KGMN 200
25	80	3.5	150	2	D623	£73.61	10	KGMN 200
20	120	5	125	3	D624	£72.18	10	KGMN 300
25	80	5	150	3	D625	£73.61	10	KGMN 300
20	120	5	125	4	D626	£72.18	10	KGMN 400
25	80	5	150	4	D627	£73.61	10	KGMN 400



KGT PARTING OFF BLADES **KGTB**

- Parting off
- 4 point secure clamping
- 2 edges per insert



Blade Height	Length	Insert Width	Order Code	Price	No. of Inserts for FREE Holder	Inserts
26	110	2	KL37	£72.18	10	KGMN 200
32	150	2	KL34	£73.61	10	KGMN 200
26	110	3	KL38	£72.18	10	KGMN 300
32	150	3	KL35	£73.61	10	KGMN 300
26	110	4	KL39	£72.18	10	KGMN 400
32	150	4	KL36	£73.61	10	KGMN 400



KGT INTERNAL GROOVING HOLDERS **KGIVR**

- Internal grooving, boring & profiling
- 4 point secure clamping
- 2 edges per insert
- All toolholders right hand



Shank Ø	Min Bore Ø	T-Max	Length	Insert Width	Order Code	Price	No. of Inserts for FREE Holder	Inserts
16	23	6.5	125	2	K660	£59.17	10	KGMI 200
20	25	6.5	150	2	K661	£66.38	10	KGMI 200
25	32	7	200	2	K662	£72.18	10	KGMI 200
20	25	6.5	150	3	K663	£66.38	10	KGMI 300
25	32	7	200	3	K664	£72.18	10	KGMI 300
32	40	7.5	250	3	K665	£80.81	10	KGMI 300
20	25	6.5	150	4	K666	£66.38	10	KGMI 400
25	32	7	200	4	K667	£72.18	10	KGMI 400
32	40	7.5	250	4	K668	£80.81	10	KGMI 400



KGT INSERTS



Type	Width	Radius	Application	Order Code	Price
External Inserts (Grooving, Parting, Profiling)					
Square End	2	0.2	Aluminium	KGGN200-02-A H01	£25.14
		0.2	Steel	KGMN200-02-T NC3225	£16.62
		0.2	Stainless / Multi	KGMN200-02-T PC5300	£16.62
	3	0.2	Aluminium	KGGN300-02-A H01	£25.15
		0.4	Steel	KGMN300-04-T NC3225	£17.07
		0.4	Stainless / Multi	KGMN300-04-T PC5300	£17.07
	4	0.4	Aluminium	KGMN400-04-A H01	£26.04
		0.4	Steel	KGMN400-04-T NC3225	£17.79
		0.4	Stainless / Multi	KGMN400-04-T PC5300	£17.79
		Full Radius	2	1.0	Steel
1.0	Stainless / Multi			KRMN200-C PC5300	£16.62
1.5	Aluminium			KRGN300-A H01	£25.14
3	1.5		Steel	KRMN300-C NC3220	£27.98
	1.5		Stainless / Multi	KRMN300-C PC5300	£17.07
	2.0		Aluminium	KRGN400-A H01	£26.08
4	2.0		Steel	KRMN400-C NC3225	£17.79
	2.0		Stainless / Multi	KRMN400-C PC5300	£17.79
Internal Inserts (Grooving, Boring, Profiling)					
Square End	2	0.2	Multi-Purpose	KGMI200-02-T PC5300	£16.62
	3	0.4		KGMI300-04-T PC5300	£17.07
	4	0.4		KGMI400-04-T PC5300	£17.79
Full Radius	2	1.0		KRMN200-C PC5300	£16.62
	3	1.5		KRMN300-C PC5300	£17.07
	4	2.0		KRMN400-C PC5300	£17.79
	4	2.0		KRMN400-C PC5300	£17.79