INVENTORY BLOWOUT SALE!

November 1 – February 28, 2023

Sowa TOOLING YOUR WORLD.

IP67 Coolant Proof Digital Caliper — Sylvac

ASIMETO

- Conforms to IP67 rating
- Inch/Metric conversion
- Auto power on/off
- Sylvac system

40% OFF!

Range	Resolution	Accuracy	Code No.	Reg. Price $	SALE $
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"/0.02mm	7301060	392.82	235.69

Thread Measuring Wire Set

40% OFF! ASIMETO

- 48 wires - 16 different sizes
- Measures all threads from 3 - 48 threads per inch
- Measures all metric threads from 0.5mm to 6mm
- Also measures ACME threads
- Laminated chart included

Description	Code No.	Reg. Price $	SALE $
Thread Wire Set	7697300	32.30	19.38

Digital Indicator

ASIMETO

- Tolerance measurement feature
- Inch/Metric conversion
- The maximum, minimum, or runout value can be displayed during measurement
- Absolute and incremental measuring modes
- SR44 battery
- Flat Back (attached) and Lug Back supplied
- 3/8" stem diameter for inch models and 8mm stem diameter for metric models

40% OFF!

Range	Resolution	Accuracy	Code No.	Reg. Price $	SALE $
0-1"/0-25mm	0.0005"/0.01mm	±0.0012"/±0.03mm	7405011	284.35	170.61

ER Collet Sets

40% OFF! G3 TOOLING

ER32 / 18 Pieces		ER50 / 11 Pieces	
Code No.	Reg. Price $	Code No.	Reg. Price $
337384	631.66	337387	892.52
SALE $		SALE $	
379.00		535.51	
Code No.	Size	Code No.	Size
337361	0.098-0.118	337450	0.394-0.472
337362	0.137-0.157	337452	0.472-0.551
337363	0.177-0.196	337454	0.551-0.630
337364	0.217-0.236	337456	0.630-0.709
337365	0.256-0.275	337458	0.709-0.789
337366	0.295-0.314	337460	0.789-0.866
337367	0.335-0.354	337461	0.866-0.945
337368	0.374-0.393	337462	0.945-1.024
337369	0.413-0.433	337464	1.024-1.102
337370	0.452-0.472	337466	1.102-1.181
337371	0.492-0.511	337468	1.181-1.260
337372	0.531-0.551		
337373	0.571-0.590		
337374	0.610-0.629		
337375	0.650-0.669		
337376	0.689-0.708		
337377	0.728-0.748		
337378	0.767-0.787		

** Case may not be as shown*

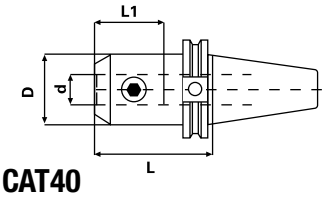
CAT40 & CAT50 End Mill Holders

G3 TOOLING

- DIN coolant option - standard
- All ground body, bore, nose, flange
- TIR, 0.0001" / 0.003mm OD to ID
- Certified Steel
- AT2 Taper Accuracy
- RFID chip hole

CAT40

PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED



40% OFF!

CAT50

PREMIUM BALANCE
G6.3 at 25,000rpm
CERTIFICATE INCLUDED

CAT40

Taper	Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
CT40	1/8	1.35*	0.59	0.75	8-32	531069	161.76	97.06
CT40	3/16	1.38*	0.79	0.75	10-32	531072	161.76	97.06
CT40	1/4	1.38*	1.18	0.79	1/4-28	531000	142.88	85.73
CT40	5/16	1.38*	1.18	0.87	5/16-24	531006	142.88	85.73
CT40	5/16	9.00	1.18	0.87	5/16-24	531011	303.29	181.98
CT40	3/8	5.00	1.57	1.00	3/8-24	531018	260.15	156.09
CT40	7/16	2.50	1.50	1.38	7/16-20	531020	142.88	85.73
CT40	7/16	9.00	1.50	1.38	7/16-20	531033	303.29	181.98
CT40	5/8	9.00	3.50	1.65	9/16-18	531037	303.29	181.98
CT40	3/4	5.50	2.56	1.75	5/8-18	531046	194.11	116.46
CT40	3/4	9.00	3.86	1.75	5/8-18	531039	303.29	181.98
CT40	7/8	1.75*	2.17	1.94	5/8-18	531048	161.76	97.06
CT40	1	6.00	3.54	2.36	3/4-16	531058	225.11	135.07
CT40	1	9.00	4.50	2.36	3/4-16	531043	397.65	238.59
CT40	1-1/2	6.00	3.20	2.99	3/4-16	531068	262.86	157.71

CAT50

Taper	Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
CT50	1/4	1.38*	0.71	0.79	1/4-28	531082	188.71	113.23
CT50	1/4	8.00	1.18	0.79	1/4-28	531090	328.90	197.34
CT50	3/8	1.38*	1.57	1.00	3/8-24	531098	188.71	113.23
CT50	3/8	2.50	1.57	1.00	3/8-24	531100	188.71	113.23
CT50	3/8	4.00	1.57	1.00	3/8-24	531102	218.37	131.02
CT50	3/8	14.00	1.57	1.00	3/8-24	531107	882.91	529.75
CT50	7/16	6.00	1.50	1.38	7/16-20	531112	250.72	150.43
CT50	1/2	2.63	1.77	1.38	7/16-20	531118	188.71	113.23
CT50	1/2	14.00	1.77	1.38	7/16-20	531125	882.91	529.75
CT50	9/16	6.00	1.77	1.65	9/16-18	531133	250.72	150.43
CT50	5/8	3.00	1.77	1.65	9/16-18	531128	218.37	131.02
CT50	5/8	6.00	1.77	1.65	9/16-18	531132	250.72	150.43
CT50	3/4	1.75*	2.76	1.89	5/8-18	531136	218.37	131.02
CT50	3/4	3.00	2.76	1.89	5/8-18	531138	218.37	131.02
CT50	3/4	14.00	3.86	1.89	5/8-18	531145	882.91	529.75
CT50	1	6.00	3.54	2.36	3/4-16	531156	225.11	135.07
CT50	1-1/4	2.00*	2.56	2.75	3/4-16	531160	218.37	131.02
CT50	1-1/4	6.00	3.54	2.48	3/4-16	531164	260.15	156.09
CT50	1-1/2	9.00	3.15	2.99	3/4-16	531174	694.20	416.52
CT50	2	3.63*	3.66	3.74	1-14	531176	310.03	186.02
CT50	2	5.37	4.13	3.74	1-14	531178	370.69	222.41
CT50	2	8.00	4.13	3.74	1-14	531180	687.46	412.48
CT50	2	10.00	4.13	3.74	1-14	531182	694.20	416.52

* Stubby Length

Top products from our top brands, everything 40% OFF!

UNITED TOOL SUPPLY LTD.

GS TOOLING

GS Direct Coolant End Mill Holders

40% OFF!

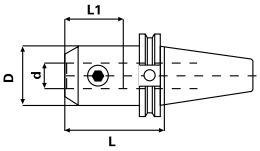
- All ground body, bore, nose, flange
- Certified Steel
- TIR, 0.0001" / 0.003mm OD to ID
- AT2 Taper Accuracy
- RFID chip hole

**BT30 coolant through spindle and body only.*

3 COOLANT OPTIONS ALL IN ONE!*

Coolant through the spindle
Coolant through the body
DIN coolant through flange option

CAT40 & CAT50 DIRECT COOLANT End Mill Holders



CAT40

PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED

CAT50

PREMIUM BALANCE
G6.3 at 25,000rpm
CERTIFICATE INCLUDED

CAT40

Taper	Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
CT40	5/16	1.38*	1.18	0.87	5/16-24	522022	**196.07**	117.64
CT40	3/8	5.00	1.57	1.00	3/8-24	522036	**307.17**	184.30
CT40	5/8	4.00	2.56	1.65	9/16-18	522060	**196.07**	117.64
CT40	1-1/4	4.00	3.54	2.48	3/4-16	522090	**228.75**	137.25

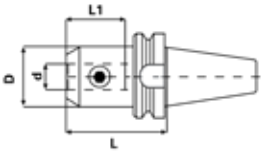
* Stubby Length

CAT50

Taper	Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
CT50	1/4	2.50	1.18	0.79	1/4-28	522102	**239.20**	143.52
CT50	1/4	4.00	1.18	0.79	1/4-28	522104	**283.64**	170.19
CT50	3/8	2.50	1.57	1.00	3/8-24	522118	**239.20**	143.52
CT50	3/8	4.00	1.57	1.00	3/8-24	522120	**283.64**	170.19
CT50	3/8	6.00	1.57	1.00	3/8-24	522122	**312.40**	187.44
CT50	7/16	4.00	1.50	1.38	7/16-20	522130	**283.64**	170.19
CT50	1/2	2.63	1.77	1.38	7/16-20	522136	**239.20**	143.52
CT50	1/2	6.00	1.77	1.38	7/16-20	522140	**305.86**	183.52
CT50	1/2	8.00	1.48	1.38	7/16-20	522142	**350.31**	210.18
CT50	5/8	1.75*	1.77	1.65	9/16-18	522148	**239.20**	143.52
CT50	5/8	6.00	1.61	1.65	9/16-18	522154	**305.86**	183.52
CT50	3/4	1.75*	2.76	1.89	5/8-18	522158	**267.96**	160.78
CT50	3/4	3.00	2.76	1.89	5/8-18	522160	**267.96**	160.78
CT50	3/4	4.00	2.76	1.89	5/8-18	522162	**305.86**	183.52
CT50	1	6.00	3.54	2.36	3/4-16	522180	**305.86**	183.52
CT50	1-1/4	2.00*	2.56	2.75	3/4-16	522186	**267.96**	160.78
CT50	1-1/4	4.00	3.54	2.48	3/4-16	522188	**312.40**	187.44
CT50	1-1/4	6.00	3.54	2.48	3/4-16	522190	**316.32**	189.79
CT50	1-1/2	4.50	3.15	2.99	3/4-16	522198	**328.09**	196.85
CT50	2	5.37	4.13	3.74	1-14	522206	**328.09**	196.85
CT50	2	8.00	4.13	3.74	1-14	522208	**764.66**	458.80
CT50	2	10.00	4.13	3.74	1-14	522210	**849.63**	509.78

* Stubby Length

BT30 & BT40 DIRECT COOLANT End Mill Holders



BT30/40

PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED

BT30

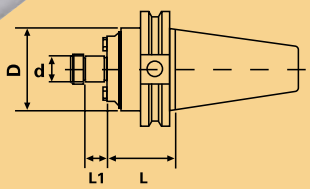
Taper	Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
BT30	1/4	2.36	1.10	0.79	1/4-28	522218	**153.19**	91.91
BT30	5/16	2.36	1.26	0.87	5/16-24	522220	**153.19**	91.91
BT30	3/4	3.00	1.77	1.88	5/8-18	522228	**153.19**	91.91

BT40

Taper	Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
BT40	3/8	4.00	1.57	1.00	3/8-24	522258	**246.85**	148.11

CAT40 & CAT50 DUAL CONTACT Shell Mill Holders

- DIN coolant through the flange option - Standard
- Improves rigidity and reduces vibration allowing for increased feed rates and increased tool life
- All ground body, nose, pilot, flange
- TIR, 0.0001" / 0.003mm OD to ID
- AT2 Taper Accuracy
- Certified Steel
- RFID chip hole



CAT40

Taper	d	L	D	L1	Key Size	Arbor Thread	Code No.	Reg. Price $	SALE $
CT40	1-1/4	2.00	2.88	0.67	1/2	5/8-18	521200	**254.62**	152.77

CAT50

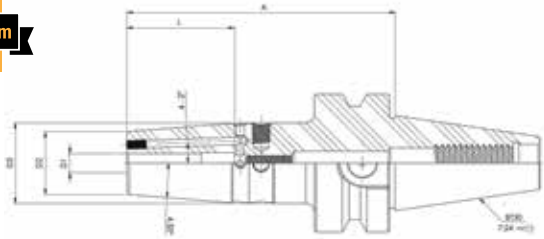
Taper	d	L	D	L1	Key Size	Arbor Thread	Code No.	Reg. Price $	SALE $
CT50	3/4	6.00	2.00	0.67	5/16	3/8-24	521212	**486.08**	291.65
CT50	1	4.00	2.75	0.69	3/8	1/2-20	521218	**416.64**	249.99
CT50	1	6.00	2.75	0.69	3/8	1/2-20	521220	**520.80**	312.48
CT50	1-1/4	6.00	2.88	0.69	1/2	5/8-18	521228	**520.80**	312.48
CT50	1-1/2	4.00	3.80	0.93	5/8	3/4-16	521234	**416.64**	249.99
CT50	2	2.00	4.38	0.93	3/4	1-14	521240	**528.90**	317.34

Call **1-800-265-8221** or visit www.**SowaTool**.com to order.

- Holders are balanceable with a balancing machine
- Balanced G2.5 at 30,000rpm
- 4 Coolant ports in the nose
- For maximum gripping power with exceptional concentricity
- TIR of ≤0.0001" / 0.003mm with tool shrunk in holder
- AT2 Taper Accuracy
- Tool is gripped 360° along the entire length of bore resulting in an evenly distributed clamping force
- Material: H13 Tool Steel
- The hot hardness (hot strength) of H13 resists thermal fatigue cracking which occurs as a result of cyclic heating and cooling cycles
- RFID chip hole

BT30 & BT40 Shrink Fit Holders with Coolant Ports

PREMIUM BALANCE
G2.5 at 30,000rpm
CERTIFICATE INCLUDED



BT30

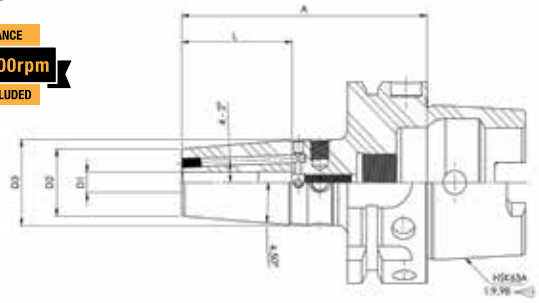
Taper	Hole Dia. (D1)	Gage Length (A)	D2	D3	L	Code No.	Reg. Price $	SALE $
Inch								
BT30	1/8"	3.15"	0.39"	-	0.35"	542414	**428.76**	257.26
BT30	1/4"	3.15"	0.83"	1.06"	1.42"	542418	**428.76**	257.26
BT30	3/8"	3.15"	0.94"	1.26"	1.65"	542422	**428.76**	257.26
BT30	1/2"	3.15"	0.94"	1.26"	1.65"	542424	**428.76**	257.26

BT40

Taper	Hole Dia. (D1)	Gage Length (A)	D2	D3	L	Code No.	Reg. Price $	SALE $
Inch								
BT40	1"	3.94"	1.73"	2.09"	2.28"	542492	**456.13**	273.68
BT40	1-1/4"	3.94"	1.73"	2.09"	2.28"	542496	**483.49**	290.10

HSK63A & HSK100A Shrink Fit Holders with Coolant Ports

PREMIUM BALANCE
G2.5 at 30,000rpm
CERTIFICATE INCLUDED

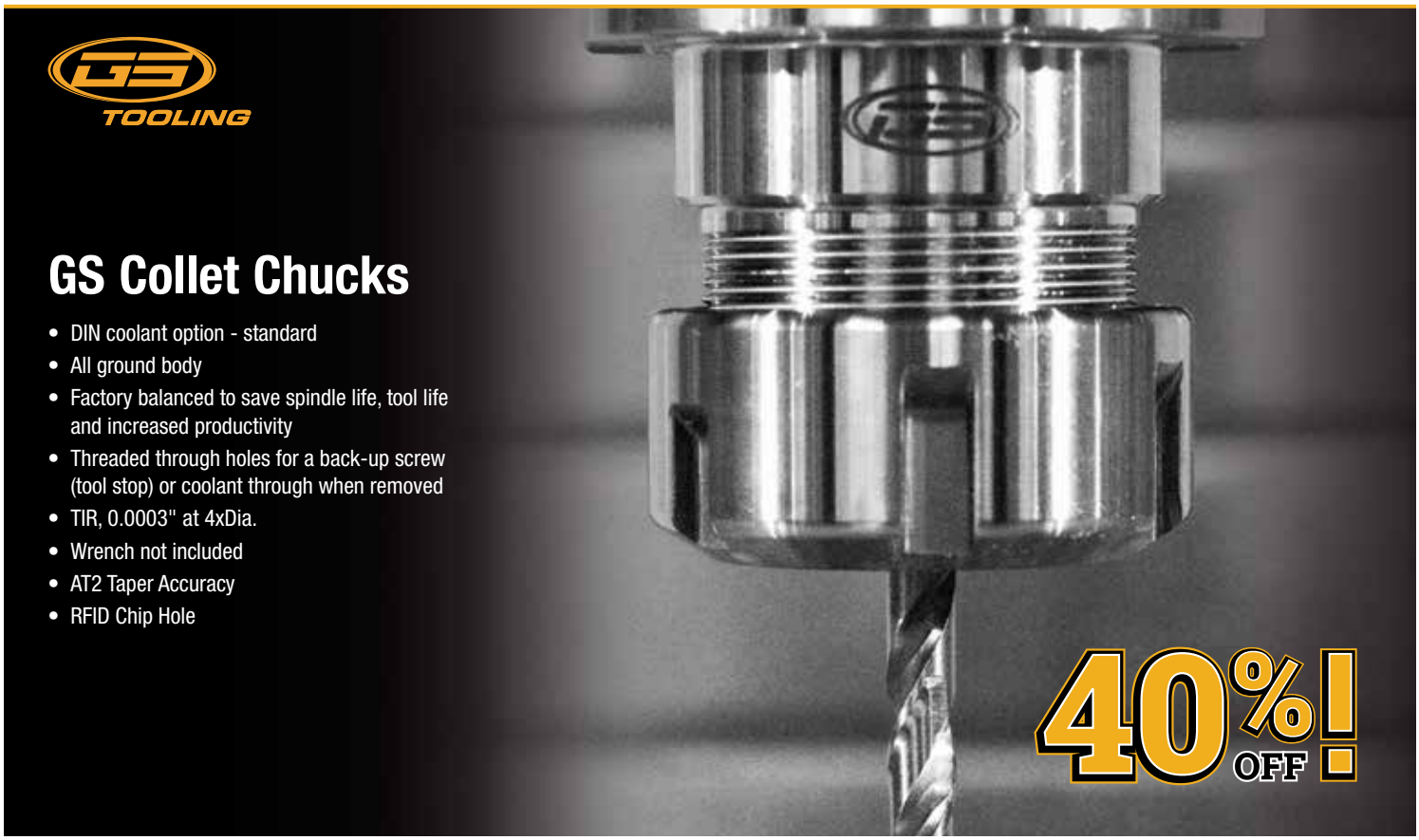


HSK63A

Taper	Hole Dia. (D1)	Gage Length (A)	D2	D3	L	Code No.	Reg. Price $	SALE $
Inch								
HSK63A	3/16"	3.15"	0.59"	0.787"	0.47"	546340	**501.74**	301.05
HSK63A	1/4"	3.15"	0.826"	1.06"	1.42"	546342	**501.74**	301.05
HSK63A	1/4"	6.30"	0.83"	1.06"	1.42"	546344	**638.58**	383.15
HSK63A	5/16"	3.15"	0.826"	1.06"	1.42"	546346	**501.74**	301.05
HSK63A	3/8"	3.35"	0.94"	1.26"	1.65"	546350	**501.74**	301.05
HSK63A	3/8"	6.30"	0.94"	1.26"	1.65"	546352	**638.58**	383.15
HSK63A	1/2"	3.54"	1.06"	1.34"	1.65"	546354	**501.74**	301.05
HSK63A	3/4"	3.94"	1.30"	1.65"	2.05"	546362	**501.74**	301.05
HSK63A	1"	4.53"	1.73"	2.09"	2.28"	546366	**501.74**	301.05
HSK63A	1"	6.30"	1.73"	2.09"	2.28"	546368	**638.58**	383.15
HSK63A	1-1/4"	4.72"	1.73"	2.09"	2.28"	546370	**538.24**	322.94
Metric								
HSK63A	3mm	80mm	15mm	20mm	-	546300	**538.24**	322.94
HSK63A	4mm	80mm	15mm	20mm	12mm	546302	**538.24**	322.94
HSK63A	5mm	80mm	15mm	20mm	15mm	546304	**538.24**	322.94
HSK63A	6mm	80mm	21mm	27mm	36mm	546306	**538.24**	322.94
HSK63A	6mm	160mm	21mm	27mm	36mm	546308	**665.95**	399.57
HSK63A	12mm	90mm	24mm	32mm	47mm	546318	**538.24**	322.94
HSK63A	16mm	95mm	27mm	34mm	50mm	546322	**538.24**	322.94
HSK63A	20mm	100mm	33mm	42mm	52mm	546326	**538.24**	322.94
HSK63A	25mm	115mm	44mm	53mm	58mm	546330	**538.24**	322.94
HSK63A	32mm	120mm	44mm	53mm	58mm	546334	**538.24**	322.94

HSK100A

Taper	Hole Dia. (D1)	Gage Length (A)	D2	D3	L	Code No.	Reg. Price $	SALE $
Inch								
HSK100A	1/4"	3.35"	0.826"	1.06"	1.42"	546432	**775.42**	465.25
HSK100A	5/16"	3.35"	0.826"	1.06"	1.42"	546436	**775.42**	465.25
HSK100A	3/8"	3.54"	0.94"	1.26"	1.65"	546440	**775.42**	465.25
HSK100A	3/8"	6.30"	0.94"	1.26"	1.65"	546442	**821.03**	492.62
HSK100A	1/2"	3.74"	1.06"	1.34"	1.65"	546444	**775.42**	465.25
HSK100A	1/2"	6.30"	1.06"	1.34"	1.65"	546446	**821.03**	492.62
HSK100A	5/8"	3.94"	1.06"	1.34"	1.97"	546448	**775.42**	465.25
HSK100A	5/8"	6.30"	1.06"	1.34"	1.97"	546450	**821.03**	492.62
HSK100A	3/4"	4.13"	1.30"	1.65"	2.05"	546452	**775.42**	465.25
HSK100A	3/4"	6.30"	1.30"	1.65"	2.05"	546454	**821.03**	492.62
HSK100A	1"	4.53"	1.73"	2.09"	2.28"	546456	**775.42**	465.25
HSK100A	1"	6.30"	1.73"	2.09"	2.28"	546458	**821.03**	492.62
HSK100A	1-1/4"	4.72"	1.73"	2.09"	2.28"	546460	**775.42**	465.25
HSK100A	1-1/4"	6.30"	1.73"	2.09"	2.28"	546462	**821.03**	492.62

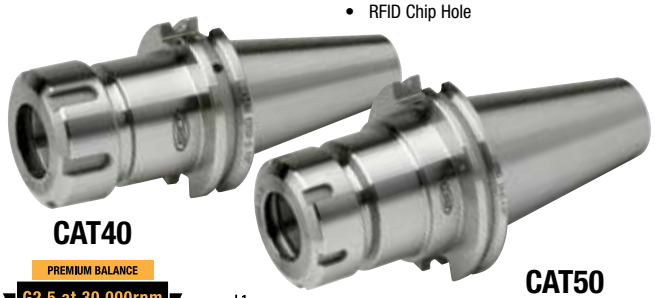


GS Collet Chucks

- DIN coolant option - standard
- All ground body
- Factory balanced to save spindle life, tool life and increased productivity
- Threaded through holes for a back-up screw (tool stop) or coolant through when removed
- TIR, 0.0003" at 4xDia.
- Wrench not included
- AT2 Taper Accuracy
- RFID Chip Hole

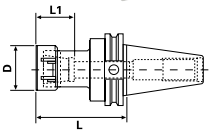
CAT40 & CAT50 ER Collet Chucks

- DIN coolant option - standard
- All ground body
- Factory balanced to save spindle life, tool life and increased productivity
- Threaded through holes for a back-up screw (tool stop) or coolant through when removed
- TIR, 0.0003" at 4xDia.
- Wrench not included
- AT2 Taper Accuracy
- RFID Chip Hole



CAT40

PREMIUM BALANCE
G2.5 at 30,000rpm
CERTIFICATE INCLUDED



CAT50

PREMIUM BALANCE
G2.5 at 25,000rpm
CERTIFICATE INCLUDED

CAT40

Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
CT40	ER25	0.039-0.629	6.00	1.18	1.65	128.8	531422	**276.33**	**165.80**
CT40	ER32	0.078-0.787	6.00	1.34	1.97	169.5	531425	**299.25**	**179.55**
CT40	ER40	0.118-1.023	5.00	1.50	2.48	219.6	531430	**326.21**	**195.73**
CT40	ER40	0.118-1.023	6.00	1.50	2.48	219.6	531431	**326.21**	**195.73**

CAT50

Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
CT50	ER16**	0.019-0.406	12.00	0.87	1.26	56.9	531437	**788.56**	**473.14**
CT50	ER20**	0.039-0.511	8.00	1.06	1.38	81.3	531444	**430.00**	**258.00**
CT50	ER32	0.078-0.787	12.00	1.34	1.97	169.5	531459	**788.56**	**473.14**

** Hex Nut

BT30, BT40 & BT50 Taper ER Collet Chucks

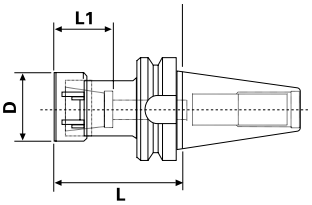
- DIN coolant option - standard
- All ground body
- Factory balanced to save spindle life, tool life and increased productivity
- Threaded through holes for a back-up screw (tool stop) or coolant through when removed
- Wrench not included
- AT2 Taper Accuracy
- RFID Chip Hole

BT30 & BT40

PREMIUM BALANCE
G2.5 at 30,000rpm
CERTIFICATE INCLUDED

BT50

PREMIUM BALANCE
G2.5 at 25,000rpm
CERTIFICATE INCLUDED

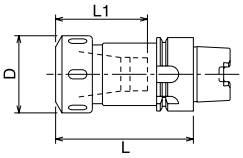


Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
BT30									
BT30	ER11**	0.019-0.275	4.00	0.65	0.75	29.8	532152*	**217.02**	**130.21**
BT30	ER20**	0.039-0.511	4.00	1.06	1.38	81.3	532164*	**249.38**	**149.63**
BT30	ER32	0.078-0.787	3.00	1.34	1.97	169.5	532170*	**219.72**	**131.83**
BT40									
BT40	ER20**	0.039-0.511	2.50	1.06	1.38	81.3	532184	**241.29**	**144.77**
BT40	ER20**	0.039-0.511	6.00	1.06	1.38	81.3	532188	**276.33**	**165.80**
BT40	ER25	0.039-0.629	2.25	1.18	1.65	128.8	532190	**249.38**	**149.63**
BT50									
BT50	ER25	0.039-0.629	4.00	1.18	1.65	128.8	532206	**326.21**	**195.73**

* Not DIN Coolant ** Hex Nut

HSK63A & HSK100A ER Collet Chucks

- All ground body
- High rigidity and torque transmission
- Wrench not included
- AT2 Taper Accuracy
- RFID chip hole



HSK63A
PREMIUM BALANCE
G2.5 at 30,000rpm
CERTIFICATE INCLUDED

HSK100A
PREMIUM BALANCE
G2.5 at 25,000rpm
CERTIFICATE INCLUDED

HSK63A

Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
HSK63A	ER20**	0.039-0.511	5.00	1.062	1.378	81.3	536120	**470.44**	282.26

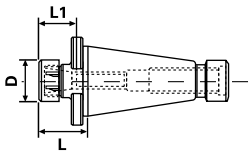
** Hex Nut

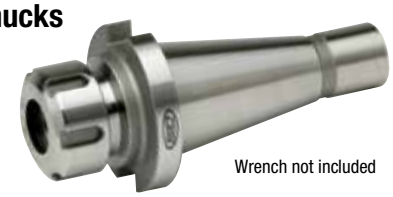
HSK100A

Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
HSK100A	ER16**	0.019-0.393	4.00	0.866	1.260	56.9	536134	**539.19**	323.51
HSK100A	ER16**	0.019-0.393	6.00	0.866	1.260	56.9	536136	**680.72**	408.43
HSK100A	ER32	0.078-0.787	4.00	1.260	1.969	169.5	536146	**692.86**	415.72
HSK100A	ER32	0.078-0.787	6.00	1.260	1.969	169.5	536148	**742.73**	445.64

** Hex Nut

NMTB Taper ER Collet Chucks





Wrench not included

Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
NMTB40									
NMTB40	ER32	0.078-0.787	2.00	-	-	-	534260	**186.53**	111.92
NMTB50									
NMTB50	ER16	0.019-0.406	2.00	0.87	1.26	56.6	534356	**235.00**	141.00

Replacement ER Chuck Nuts

Description	Steam Oxide Code No.	Reg. Price $	SALE $
ER25 Nut (Notched)	337390	**68.08**	40.85
ER40 Nut (Notched)	337393	**72.16**	43.30

ER32 Shorty Collet Nut	Code No.	Reg. Price $	SALE $
Fits ER32 Shorty Chucks (M40 x 1.5 Thread)	337411	**113.60**	68.16

ER Chuck Nut Wrenches

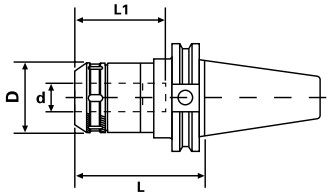
Description	Code No.	Reg. Price $	SALE $
Fits ER25 Chucks (Notched)	337396	**37.73**	22.64
Fits ER32 Chucks (Notched)	337398	**37.73**	22.64

Milling Chuck Wrench

Chuck Cap.	Code No.	Reg. Price $	SALE $
1	534210	**58.90**	35.34

CAT40 & CAT50 Milling Chucks

- DIN coolant through the flange at no extra charge
- Rough milling or 'hogging' operations
- Improved tool life over regular end mill holders
- '360°' gripping contact
- Extreme rigidity over taper collets
- TIR, 0.0002"
- AT2 Taper Accuracy
- RFID chip hole



CAT40

Taper	Collet Series	Collet Range	d	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
CT40	GS 3/4	0.125-0.750	0.750	4.14	3.15	2.05	50-70	531250	**717.12**	430.27
CT40	GS 1	0.125-1.00	1.00	3.54	3.15	2.41	50-70	531255‡	**717.12**	430.27
CT40	GS 1-1/4	0.187-1.25	1.25	3.54	3.34	2.88	60-80	531257‡	**717.12**	430.27
CT40	GS 1-1/4	0.187-1.25	1.25	4.14	3.34	2.88	60-80	531256	**717.12**	430.27
CT40	GS 1-1/4	0.187-1.25	1.25	5.32	4.73	2.88	60-80	531258	**741.38**	444.83

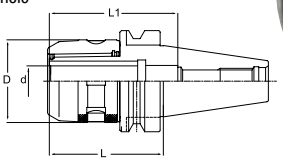
‡ Not DIN Coolant

CAT50

Taper	Collet Series	Collet Range	d	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
CT50	GS 1-1/4	0.187-1.25	1.25	3.54	4.73	2.88	60-80	531265	**922.01**	553.20
CT50	GS 1-1/4	0.187-1.25	1.25	4.14	4.73	2.88	60-80	531266	**922.01**	553.20
CT50	GS 1-1/4	0.187-1.25	1.25	5.32	4.73	2.88	60-80	531268	**936.84**	562.10

BT Taper Milling Chucks

- TIR 0.0004"
- AT2 Taper Accuracy
- RFID chip hole

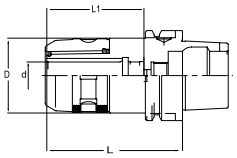


Taper	Collet Series	Collet Range	d	L	L1	D	Code No.	Reg. Price $	SALE $
BT30									
BT30	GS 3/4	0.125-0.750	0.750	3.55	3.15	2.05	532096‡	**717.12**	430.27
BT40									
BT40	GS 3/4	0.125-0.750	0.750	4.73	3.15	2.05	532100	**717.12**	430.27
BT40	GS 1	0.125-1.00	1.00	4.14	3.15	2.41	532102	**717.12**	430.27
BT50									
BT50	GS 1-1/4	0.187-1.25	1.25	4.20	3.34	2.88	532113	**922.01**	553.20

‡ Not DIN Coolant

HSK Milling Chuck

- High rigidity and torque transmission (almost double the rigidity of V-flange holders)
- Extreme concentricity enhance tool life performance
- Coolant through capabilities
- TIR 0.0004"
- RFID chip hole
- AT2 Taper Accuracy



Taper	Collet Series	Collet Range	d	L	L1	D	Code No.	Reg. Price $	SALE $
HSK63A	GS1	0.125-1.000	1.000	5.118	3.150	2.362	536160	**940.91**	564.55

CAT, BT & NMTB Taper TG Collet Chucks

- DIN coolant through the flange
- Shank traverse ground to obtain optimum accuracy
- Meets or exceeds ANSI specifications
- Wrench not included
- Factory balanced to save spindle life, tool life and increased productivity
- Threaded through holes for a back-up screw (tool stop) or coolant through when removed
- TIR, 0.0006"
- AT2 Taper Accuracy
- RFID chip hole

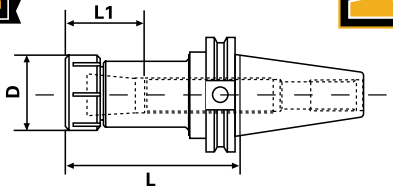
CAT/BT

NMTB

CAT40
PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED

CAT50
PREMIUM BALANCE
G6.3 at 25,000rpm
CERTIFICATE INCLUDED

BT30
PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED



Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
CAT40									
CT40	TG75	3/64-3/4	5.00	1.61	1.89	81.3	531286	**180.63**	108.38
CT40	TG100	3/64-1	3.00	2.13	2.50	81.3	531288	**260.15**	156.09
CT40	TG100	3/64-1	5.50	2.13	2.50	81.3	531292	**260.15**	156.09
CAT50									
CT50	TG100	3/64-1	10.00	2.13	3.50	81.3	531306	**532.45**	319.47
CT50	TG150	1/2-1-1/2	6.00	2.88	3.50	94.9	531310	**411.12**	246.67
BT30									
BT30	TG75	3/64-3/4	2.50	1.61	1.89	81.3	532128‡	**353.16**	211.90
BT30	TG100	3/64-1	3.94	2.24	2.50	81.3	532130‡	**190.06**	114.04
NMTB50									
NMTB50	TG75	3/64-3/4	3.00	1.61	1.89	81.3	534308	**189.34**	113.61

‡ Not DIN Coolant

Replacement TG Chuck Nuts

Description	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
*TG150 Nut	94.9	534764	**105.66**	63.39
TG75 Nut, Solid	81.3	534830	**106.49**	63.90

* Photo Shown / This style is supplied with chuck

Replacement TG Backup Screw

Description	Code No.	Reg. Price $	SALE $
TG150	534786	**12.94**	7.76

Replacement Backup Screw

Description	Code No.	Reg. Price $	SALE $
ER25 Backup Screws	534820	**13.48**	8.09

CAT Taper SA High Precision Collet Chucks

- DIN coolant through the flange at no extra charge
- Run out accuracy is > 5µm at 4xD of the cutting tool shank
- 8° tapered collet seats deeper in the body of the holder providing increased rigidity. This results in concentricity and stronger gripping power
- Wrench not included
- AT2 Taper Accuracy
- RFID chip hole

40%! OFF

CAT40
PREMIUM BALANCE
G2.5 at 30,000rpm
CERTIFICATE INCLUDED

CAT50
PREMIUM BALANCE
G2.5 at 25,000rpm
CERTIFICATE INCLUDED

Taper	Collet Series	Collet Range	Gauge Length	Code No.	Reg. Price $	SALE $
CAT40						
CT40	SA10	0.069-0.394	3.54	531756	**356.38**	213.83
CT40	SA10	0.069-0.394	4.72	531758	**375.08**	225.05
CT40	SA16	0.108-0.630	3.54	531762	**373.53**	224.12
CT40	SA16	0.108-0.630	5.91	531766	**450.20**	270.12
CAT50						
CT50	SA10	0.069-0.394	4.13	531776	**492.59**	295.56
CT50	SA16	0.108-0.630	4.13	531782	**495.08**	297.05
CT50	SA25	0.630-1.00	4.13	531788	**549.32**	329.59

SA Collet Extractors

Description	Code No.	Reg. Price $	SALE $
SA10	536572	**15.27**	9.16
SA16	536574	**19.33**	11.60
SA25	536576	**26.65**	15.99

SA Collet Chuck Wrenches

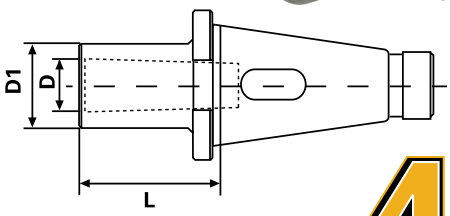
Description	Code No.	Reg. Price $	SALE $
Fits SA10	536580	**36.00**	21.60
Fits SA25	536584	**36.00**	21.60

Replacement SA Collet Nut

Description	Code No.	Reg. Price $	SALE $
SA25 Nut (Notched)	536592	**94.90**	56.94

Call **1-800-265-8221** or visit www.**SowaTool**.com to order.

NMTB Morse Taper Adapter

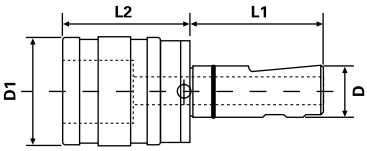


40%! OFF

Taper	Size	L	D	D1	Code No.	Reg. Price $	SALE $
NMTB50	MT#2	1.88	0.70	1.25	534478	236.23	141.74

Weldon Shank Rigid Tap Holder

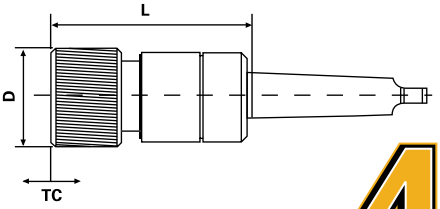
- Precision ground surfaces
- Compact length
- Provides axial float
- Adjustable entry force
- Provide additional mating flexibility



40%! OFF

Tap Range Hand	Tap Range Pipe	System	Shank Dia. D	D1	L1	L2	Code No.	Reg. Price $	SALE $
13/16-1-3/8	3/4-1	#3	1-1/2	2.83	2.69	3.27	534544	443.48	266.09

Morse Taper Tension/ Compression Tap Holder

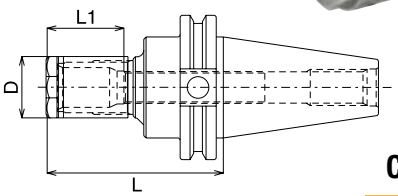


40%! OFF

Morse Taper	Tap Range Hand	Tap Range Pipe	System	D (in.)	L (in.)	T/C (in.)	Code No.	Reg. Price $	SALE $
4	#0-9/16	1/8	#1	1.25	4.72	0.79/0.39	534554	343.15	205.89

CAT40 & CAT50 DA Collet Chucks

- DIN coolant through the flange
- All ground body
- AT2 Taper Accuracy
- TIR 0.0010"
- RFID chip hole



40%! OFF

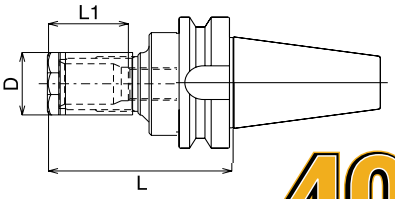
CAT40
PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED

CAT50
PREMIUM BALANCE
G6.3 at 25,000rpm
CERTIFICATE INCLUDED

Taper	Collet Series	Collet Range	L	L1	D	Nut Tightening Torque (ft. lbs.)	Code No.	Reg. Price $	SALE $
CAT40									
CT40	DA100	3/64-9/16	3.50	1.15	1.06	35	531270	224.08	134.45
CT40	DA100	3/64-9/16	6.00	1.15	1.06	35	531272	241.07	144.64
CAT50									
CT50	DA180	3/64-3/4	6.00	1.50	1.44	40	531280	314.78	188.87

BT30 & BT40 DA Collet Chucks

- DIN coolant through the flange*
- All ground body
- AT2 Taper Accuracy
- TIR 0.0010"
- RFID chip hole



BT30 & BT40
PREMIUM BALANCE
G6.3 at 30,000rpm
CERTIFICATE INCLUDED

40%! OFF

Taper	Collet Series	Collet Range	L	L1	D	Nut Tightening Torque (ft. lbs.)	Code No.	Reg. Price $	SALE $
BT30									
BT30	DA100	3/64-9/16	3.00	1.15	1.06	35	532108	213.18	127.91
BT40									
BT40	DA100	3/64-9/16	6.00	1.15	1.06	35	532118	265.23	159.14
BT40	DA180	3/64-3/4	4.00	1.51	1.44	40	532120	246.53	147.92
BT40	DA200	3/64-3/8	3.00	1.03	0.86	30	532124	246.53	147.92

* no DIN coolant through the flange on BT30 DA

Replacement DA Chuck Nut

Description	Code No.	Reg. Price $	SALE $
DA300 Nut, Complete Replacement	534277	96.78	58.07

GS Collets

Our ER collet system is made of special alloy steel material under excellent heat treatment and precise grinding process, so it has precise accuracy, powerful clamping ability, and is durable. This collet can clamp for a specific standard size and its next size. It can be widely used for boring, milling, drilling and tapping as well as for grinding operation, and is available for all sizes.

ER8 Collet

- Size range: 0.5mm - 5mm (0.019" - 0.196")
- ER8 collets collapse approximately 0.3mm with full accuracy

Size (mm)	Size (in.)	Code No.	Reg. Price $	SALE $
Metric				
4.0-4.5	0.157-0.177	337648	**38.81**	23.28

ER11 Collets

- Size range: 0.5mm - 7mm (0.019" - 0.275")
- ER11 collets collapse approximately 1/64" with full accuracy

AA Collets have a runout of only 5 microns (0.005mm)

Size (mm)	Size (in.)	Code No.	Reg. Price $	SALE $	AA Code No.	Reg. Price $	SALE $
Metric							
0.5-1	0.019-0.039	-	-	-	336700	**54.51**	32.71
1-1.5	0.039-0.059	337652	**37.73**	22.64	-	-	-
1.5-2	0.059-0.078	337654	**37.73**	22.64	336705	**54.51**	32.71
2-2.5	0.078-0.098	337656	**37.73**	22.64	336707	**54.51**	32.71
2.5-3	0.098-0.118	-	-	-	336709	**48.22**	28.93
3-3.5	0.118-0.137	-	-	-	336711	**48.22**	28.93
3.5-4	0.137-0.157	337662	**31.26**	18.76	336714	**48.22**	28.93
4-4.5	0.157-0.177	337664	**31.26**	18.76	-	-	-
4.5-5	0.177-0.196	337666	**31.26**	18.76	-	-	-
5.5-6	0.216-0.236	-	-	-	336723	**48.22**	28.93
6-6.5	0.236-0.255	-	-	-	336725	**48.22**	28.93
6.5-7	0.255-0.275	337674	**31.26**	18.76	336727	**48.22**	28.93
Inch							
	3/64	-	-	-	336701	**54.51**	32.71
	1/16	-	-	-	336703	**54.51**	32.71
	3/32	-	-	-	336706	**54.51**	32.71
	7/64	-	-	-	336708	**54.51**	32.71
	1/8	-	-	-	336710	**48.22**	28.93
	9/64	-	-	-	336712	**48.22**	28.93
	5/32	-	-	-	336713	**48.22**	28.93
	11/64	337619	**31.26**	18.76	336715	**48.22**	28.93
	3/16	-	-	-	336717	**48.22**	28.93
	1/4	-	-	-	336724	**48.22**	28.93

ER16 Collets

- Size range: 0.5mm-10mm (0.019" - 0.393")
- ER16 collets collapse approximately 1/32" with full accuracy

AA Collets have a runout of only 5 microns (0.005mm)

Size (mm)	Size (in.)	Code No.	Reg. Price $	SALE $	AA Code No.	Reg. Price $	SALE $
Metric							
0.5-1	0.019-0.039	-	-	-	336729	**60.81**	36.48
1-2	0.039-0.078	337304	**44.19**	26.52	-	-	-
1.5-2	0.059-0.078	-	-	-	336732	**60.81**	36.48
2-3	0.078-0.118	337306	**33.42**	20.05	-	-	-
2.5-3	0.098-0.118	-	-	-	336735	**50.33**	30.20
3.5-4	0.137-0.157	-	-	-	336740	**50.33**	30.20
4-4.5	0.157-0.177	-	-	-	336741	**50.33**	30.20
4-5	0.157-0.196	337310	**33.42**	20.05	-	-	-
4.5-5	0.177-0.196	-	-	-	336743	**50.33**	30.20
5.5-6	0.217-0.236	-	-	-	336746	**50.33**	30.20
6-6.5	0.236-0.256	-	-	-	336748	**50.33**	30.20
6-7	0.236-0.275	337314	**33.42**	20.05	-	-	-
6.5-7	0.256-0.275	-	-	-	336749	**50.33**	30.20
7.5-8	0.295-0.314	-	-	-	336753	**50.33**	30.20
9-10	0.354-0.393	337320	**33.42**	20.05	-	-	-
9.5-10	0.374-0.393	-	-	-	336759	**50.33**	30.20
Inch							
	1/16	-	-	-	336731	**60.81**	36.48
	3/32	337532	**33.42**	20.05	336733	**60.81**	36.48
	5/32	337534	**33.42**	20.05	336739	**50.33**	30.20
	7/32	-	-	-	336745	**50.33**	30.20
	1/4	-	-	-	336747	**50.33**	30.20
	9/32	-	-	-	336750	**50.33**	30.20
	5/16	-	-	-	336752	**50.33**	30.20
	11/32	-	-	-	336755	**50.33**	30.20
	3/8	-	-	-	336758	**50.33**	30.20

ER20 Collets

- Size range: 1mm - 13mm (0.039" - 0.511")
- ER20 collets collapse approximately 1/32" with full accuracy

AA Collets have a runout of only 5 microns (0.005mm)

Size (mm)	Size (in.)	Code No.	Reg. Price $	SALE $	AA Code No.	Reg. Price $	SALE $
Metric							
2.5-3	0.098-0.118	-	-	-	336766	**53.47**	32.08
2.5-3.5	0.098-0.137	337471	**36.65**	21.99	-	-	-
3-3.5	0.118-0.137	-	-	-	336768	**53.47**	32.08
3.5-4	0.137-0.157	-	-	-	336770	**53.47**	32.08
4-4.5	0.157-0.177	337448	**36.65**	21.99	-	-	-
4-5	0.157-0.196	337476	**36.65**	21.99	-	-	-
4.5-5	0.177-0.196	-	-	-	336773	**53.47**	32.08
5-5.5	0.196-0.217	337449	**36.65**	21.99	-	-	-
5-6	0.196-0.236	337477	**36.65**	21.99	-	-	-
5.5-6	0.217-0.236	-	-	-	336776	**53.47**	32.08
6.5-7	0.256-0.275	-	-	-	336779	**53.47**	32.08
7.5-8	0.295-0.314	-	-	-	336783	**53.47**	32.08
8-8.5	0.314-0.335	337455	**36.65**	21.99	-	-	-
8.5-9	0.335-0.354	-	-	-	336786	**53.47**	32.08
9-10	0.354-0.393	337481	**36.65**	21.99	-	-	-
9.5-10	0.374-0.393	-	-	-	336789	**53.47**	32.08
10-10.5	0.393-0.413	337459	**36.65**	21.99	-	-	-
10-11	0.393-0.433	337482	**36.65**	21.99	-	-	-
10.5-11	0.413-0.433	-	-	-	336792	**53.47**	32.08
12.5-13	0.492-0.511	-	-	-	336799	**53.47**	32.08
Inch							
	3/32	-	-	-	336764	**60.81**	36.48
	1/8	337663	**36.65**	21.99	336767	**53.47**	32.08
	5/32	337665	**36.65**	21.99	336769	**53.47**	32.08
	3/16	-	-	-	336772	**53.47**	32.08
	1/4	337671	**36.65**	21.99	336777	**53.47**	32.08
	9/32	337673	**36.65**	21.99	-	-	-
	5/16	-	-	-	336782	**53.47**	32.08
	11/32	337676	**36.65**	21.99	-	-	-
	3/8	337677	**36.65**	21.99	336788	**53.47**	32.08
	7/16	-	-	-	336793	**53.47**	32.08
	1/2	-	-	-	336798	**53.47**	32.08

ER16 Sealed Collets

- Sealed for coolant through applications
- Pressure resistance tested to 2000 psi

Metric Size	Metric Code No.	Reg. Price $	SALE $	Inch Size	Inch Code No.	Reg. Price $	SALE $
3.0	-	-	-	1/8	337841	61.34	36.80
3.5	338291	61.34	36.80	5/32	337842	61.34	36.80
4.0	338292	61.34	36.80	3/16	-	-	-
4.5	338294	61.34	36.80	13/64	337826	61.34	36.80
5.0	338296	61.34	36.80	7/32	-	-	-
5.5	338298	61.34	36.80	15/64	337827	61.34	36.80
6.0	-	-	-	1/4	337845	61.34	36.80
6.5	338302	61.34	36.80	17/64	-	-	-
7.0	338304	61.34	36.80	9/32	337846	61.34	36.80
7.5	338305	61.34	36.80	19/64	-	-	-
8.5	338307	61.34	36.80	21/64	-	-	-
9.0	338308	61.34	36.80	11/32	-	-	-
				25/64	337833	61.34	36.80
				13/32	337834	61.34	36.80

ER20 Sealed Collets

- Sealed for coolant through applications
- Pressure resistance tested to 2000 psi

Size (in/mm)	Code No.	Reg. Price $	SALE $
Metric			
9.0	338342	65.97	39.58
Inch			
5/32	337857	65.97	39.58
7/32	337859	65.97	39.58
3/8	337864	65.97	39.58
7/16	337866	65.97	39.58
1/2	337868	65.97	39.58

ER25 Collets

AA Collets have a runout of only 5 microns (0.005mm)

Size (mm)	Size (in.)	Code No.	Reg. Price $	SALE $	AA Code No.	Reg. Price $	SALE $
Metric							
1.5-2	0.059-0.078	-	-	-	336802	61.86	37.12
2-3	0.078-0.118	337332	37.73	22.64	-	-	-
2.5-3	0.098-0.118	-	-	-	336805	54.51	32.71
3-3.5	0.118-0.137	-	-	-	336807	54.51	32.71
4-5	0.157-0.196	337336	37.73	22.64	-	-	-
4.5-5	0.177-0.196	-	-	-	336812	54.51	32.71
5-5.5	0.196-0.217	337487	37.73	22.64	-	-	-
5.5-6	0.217-0.236	-	-	-	336815	54.51	32.71
6.5-7	0.256-0.275	-	-	-	336818	54.51	32.71
7.5-8	0.295-0.314	-	-	-	336822	54.51	32.71
9.5-10	0.374-0.393	-	-	-	336828	54.51	32.71
10.5-11	0.413-0.433	-	-	-	336831	54.51	32.71
11-12	0.433-0.472	337350	37.73	22.64	-	-	-
11.5-12	0.452-0.472	-	-	-	336835	54.51	32.71
12.5-13	0.492-0.511	-	-	-	336838	54.51	32.71
13.5-14	0.531-0.551	-	-	-	336841	54.51	32.71
14.5-15	0.571-0.590	-	-	-	336844	54.51	32.71
15-16	0.590-0.629	337358	37.73	22.64	-	-	-
16-16.5	0.629-0.650	337499	67.91	40.75	-	-	-
Inch							
	3/32	337602	45.27	27.16	-	-	-
	1/8	-	-	-	336806	54.51	32.71
	5/32	337684	37.73	22.64	-	-	-
	3/16	-	-	-	336811	54.51	32.71
	7/32	-	-	-	336814	54.51	32.71
	1/4	-	-	-	336817	54.51	32.71
	9/32	-	-	-	336819	54.51	32.71
	5/16	-	-	-	336821	54.51	32.71
	3/8	-	-	-	336827	54.51	32.71
	1/2	337697	37.73	22.64	336837	54.51	32.71
	9/16	337699	37.73	22.64	336842	54.51	32.71
	5/8	337702	37.73	22.64	336847	54.51	32.71

ER32 Sealed Collets

- Sealed for coolant through applications
- Pressure resistance tested to 2000 psi

Metric Size	Code No.	Reg. Price $	SALE $	Inch Size	Code No.	Reg. Price $	SALE $
3.5	-	-	-	5/32	338201	77.54	46.53
4.0	338353	77.54	46.53	3/16	-	-	-
6.0	-	-	-	9/32	338205	77.54	46.53
9.0	-	-	-	3/8	338208	77.54	46.53
10.5	-	-	-	27/64	338314	77.54	46.53
12.0	338332	77.54	46.53	15/32	-	-	-
12.5	-	-	-	31/64	338316	77.54	46.53
13.0	338410	77.54	46.53	1/2	338212	77.54	46.53
13.5	338412	77.54	46.53	33/64	-	-	-
14.0	-	-	-	17/32	338213	77.54	46.53
16.0	-	-	-	19/32	338215	77.54	46.53
17.5	338428	77.54	46.53	41/64	-	-	-
18.0	-	-	-	21/32	338217	77.54	46.53
19.0	-	-	-	11/16	338218	77.54	46.53
20.0	-	-	-	23/32	338219	77.54	46.53

ER40 Collets

AA Collets have a runout of only 5 microns (0.005mm)

Size (mm)	Size (in.)	Code No.	Reg. Price $	SALE $	AA Code No.	Reg. Price $	SALE $
Metric							
3.5-4	0.137-0.157	-	-	-	336913	59.75	35.85
4.5-5	0.177-0.196	-	-	-	336916	59.75	35.85
6.5-7	0.256-0.275	-	-	-	336922	59.75	35.85
9.5-10	0.374-0.393	-	-	-	336932	59.75	35.85
12-12.5	0.472-0.492	-	-	-	336940	59.75	35.85
12.5-13	0.492-0.511	-	-	-	336942	59.75	35.85
15-16	0.590-0.629	337517	43.12	25.87	-	-	-
17.5-18	0.689-0.708	-	-	-	336958	59.75	35.85
18.5-19	0.728-0.748	-	-	-	336961	59.75	35.85
19.5-20	0.767-0.787	-	-	-	336965	59.75	35.85
23-24	0.905-0.944	337526	43.12	25.87	-	-	-
23.5-24	0.925-0.944	-	-	-	336978	59.75	35.85
25.5-26	1.004-1.023	-	-	-	336984	59.75	35.85
Inch							
	1/8	337728	43.12	25.87	-	-	-
	1/4	-	-	-	336921	59.75	35.85
	3/8	337738	43.12	25.87	-	-	-
	1/2	337743	43.12	25.87	-	-	-
	9/16	337746	43.12	25.87	-	-	-
	5/8	337748	43.12	25.87	336951	59.75	35.85
	23/32	337752	43.12	25.87	-	-	-
	3/4	-	-	-	336962	59.75	35.85
	7/8	337758	43.12	25.87	-	-	-
	31/32	337762	43.12	25.87	-	-	-
	1	-	-	-	336982	59.75	35.85

GS Milling Collets

I.D.	GS 1" Code No.	Reg. Price $	SALE $	GS 11/4" Code No.	Reg. Price $	SALE $
Metric						
10mm	-	-	-	534744	56.71	34.03
Inch						
3/16	534684	56.71	34.03	-	-	-
1/2	534694	56.71	34.03	-	-	-
9/16	-	-	-	331489N	56.71	34.03
7/8	-	-	-	331494N	56.71	34.03
1	-	-	-	331496N	56.71	34.03

Milling Inserts

Product Description	Code No.	Reg. Price $	SALE $
ADKT1505PDSR PM20U CARBIDE INSERT	147879	23.77	14.26
ADKT1505PDSR PM30P CARBIDE INSERT	147794	28.90	17.34
APKT1003PDSR PM30.1P CARBIDE INSERT	146102	22.07	13.24
APKT1035PDFR-A KTM10U CARBIDE INSERT	146229	18.17	10.90
APKT160424R-M PM30.1P CARBIDE INSERT	146105	31.82	19.09
APKT160464R-M PM30P CARBIDE INSERT	148402	25.72	15.43
APKT1604PDR-A KTM10U CARBIDE INSERT	146006	25.06	15.04
APKT1604PDR-X24 KTM10U CARBIDE INSERT	146007	25.49	15.29
APKT1604PDR-X24 PM25C CARBIDE INSERT	147181	31.82	19.09
APKT1604PDSR-F2 PM30.1P CARBIDE INSERT	146100	30.34	18.21
APKT1604PDSR-F2 PM45P CARBIDE INSERT	149372	31.29	18.77
APMT0602PDSR-M MM30P CARBIDE INSERTS	147104	22.27	13.36
APMT1135PDER PM30P CARBIDE INSERT	148687	5.45	3.27
APMT11T3PDER-M PM30P CARBIDE INSERT	149382	22.96	13.78
APMT1806PDSR-M PTM50P INSERTS	145641	38.16	22.90
APXT11T3PDSR-F2 MM30P CARBIDE INSERT	148485	22.96	13.78
APXT11T3PDSR-F2 PM25C CARBIDE INSERT	146796	23.32	13.99
APXT11T3PDSR-F2 PM45P CARBIDE INSERT	149358	20.58	12.35
APXT11T3PDSR-M PM30.1P CARBIDE INSERT	146110	23.31	13.99
APXT160416PDSR-M PM25C CARBIDE INSERT	146553	28.46	17.08
APXT160416RPDSR-M KM20C CARBIDE INSERT	147468	31.78	19.07
APXT1604PDSR-M PM30.1P CARBIDE INSERT	146388	31.82	19.09
JMBH0375 3/8 PM10P CARBIDE INSERT	147891	91.74	55.05
JMBH0625 5/8 PM10P CARBIDE INSERT	147966	118.25	70.95
JMBH0750 3/4 PM10P CARBIDE INSERT	147967	160.23	96.14
JMBH1250 1-1/4 PM10P CARBIDE INSERT	146776	248.61	149.17
JMBS0375 3/8 PM10P CARBIDE INSERTS	146858	91.74	55.05
JMBS0625 5/8 GRADE PM10P CARBIDE INSERT	147781	118.25	70.95
JMBS0750 3/4 PM10P CARBIDE INSERT	147782	160.23	96.14
JMBS1250 1-1/4 PM10P CARBIDE INSERT	147784	248.61	149.17
JMCF0625 5/8 PM10P CARBIDE INSERT	147785	136.28	81.77
JMCF0750 3/4 PM10P CARBIDE INSERT	147786	181.10	108.66
JMCF1000 1 PM10P CARBIDE INSERT	147942	216.08	129.65
JMFH0375 3/8 PM10P CARBIDE INSERT	147943	109.04	65.42
JMFH0500 1/2 PM10P CARBIDE INSERT	147944	107.85	64.71
JMFH0625 5/8 PM10P CARBIDE INSERT	147945	136.28	81.77
JMFH0750 3/4 PM10P CARBIDE INSERT	147946	181.10	108.66
JMFH1000 1 PM10P CARBIDE INSERT	147991	216.08	129.65
JMFH1250 1-1/4 PM10P CARBIDE INSERT	147992	290.53	174.32
LCEN250340E MA2 CARBIDE INSERT	145509	23.20	13.92
LCEN250532E-MA2 CARBIDE INSERT WITH 5/32 RADIUS	148807	23.20	13.92
LNE324-01.0 KM10P CARBIDE INSERT	148622	85.63	51.38
LNEX100605PNR F2 KM10P CARBIDE INSERTS	148594	36.45	21.87
LNEX100605PNR F2 PM30P CARBIDE INSERTS	148593	36.45	21.87
LNEX100605PNR M KM10P CARBIDE INSERT	148612	36.45	21.87
LNEX100605PNR M PM30P CARBIDE INSERTS	148611	36.45	21.87
LNEX151008PNR F2 KM10P CARBIDE INSERTS	148619	45.20	27.12
LNEX151008PNR F2 PM30P CARBIDE INSERT	148613	45.20	27.12
LNMX100605PNR-F2 KM10P INSERTS	146277	30.98	18.59
LNMX100605PNR-M KM10P INSERTS	146281	30.98	18.59
LNMX151008PNR-F2 KM10P CARBIDE INSERT	148903	38.41	23.04
LNMX151008PNR-M PM25C INSERTS	145603	38.41	23.04
LNMX151008PNR-M PM30P CARBIDE INSERT	149370	38.41	23.04
MPMT090308 GRADE PT30C CARBIDE INSERT	146074	21.34	12.81
MPMT432 PTM30U CARBIDE INSERT	147763	16.37	9.82
OFKT05T3SN-F2 KM20C CARBIDE INSERT	147760	28.03	16.82
OFKT05T3SN-M PM25C CARBIDE INSERT	146843	27.62	16.57
ONMX080608-M PM30P INSERTS	145606	49.92	29.95
PNEJ1223N PM35P CARBIDE INSERT	148913	33.48	20.09
PNEJ1240N-C PM25C CARBIDE INSERT	147393	32.51	19.51
PNEJ1260N-C PM30C CARBIDE INSERT	147294	36.14	21.69
QCMT-070304-CM 14MM PC5300 CARBIDE MULTI-TURN INSERT	146364	28.38	17.03
RDKT10T3MO M PM35P CARBIDE INSERT	148325	17.88	10.73
RDKT10T3MO-F2 PM40P CARBIDE INSERT	146894	17.88	10.73
RDKT1204MO-F2 MM30P CARBIDE INSERT	146998	22.84	13.71
RDKT1204MO-F2 PM35P CARBIDE INSERT	148342	22.84	13.71
RDKT1204MO-F2 PM40P CARBIDE INSERT	146979	22.84	13.71
RDKT1204MO-M GRADE PM30P CARBIDE INSERT	146551	22.84	13.71
RDKT1204MO-M PM25C INSERTS 2100690	145614	19.69	11.81
RDKT1204MO-M SM20P CARBIDE INSERT	147070	23.45	14.07
RDKT1605MO-MM PM35P CARBIDE INSERT	148916	39.48	23.69
RDKT1605MO-MM PM40P CARBIDE INSERT	148917	39.48	23.69
RPHT0803MO-X197 PM25C CARBIDE INSERT	147175	5.83	3.50
RPMM1204-X165 PM25C CARBIDE INSERT	146147	25.26	15.16
SDGX19C 08E DVP56 INSERT DORIAN	891785	85.90	51.54
SDMX1205S NCM325 INSERT KORLOY	896446	4.24	2.54
SDXT09M405R-M MM30P CARBIDE INSERT	147719	19.19	11.51
SDXT130508R-F2 PM40P CARBIDE INSERT	146811	19.61	11.77
SDXT130508R-M KM10P CARBIDE INSERT	148742	23.16	13.90
SECA43AFFN KTM10U CARBIDE INSERT	146036	21.78	13.07
SECA43AFTN MM30P CARBIDE INSERT	147780	27.22	16.33
SECA43AFTN PT30S CERMET INSERT	146750	21.78	13.07
SEEW14M4AGTN-W PM35P CARBIDE INSERT	148634	31.60	18.96
SEHT43AFSN-45 PM25C CARBIDE INSERT	146130	30.00	18.00
SEK42AFTN PM30C CARBIDE INSERT	146318	25.68	15.41
SEK53AFTN PM20U CARBIDE INSERT	146386	28.86	17.31
SEKR42AFSN-F3 MM30P CARBIDE INSERT	147770	25.31	15.18
SEKR42AFSN-F3 PM20U CARBIDE INSERT	146348	20.36	12.21
SEKR42AFSN-F3 PM25C CARBIDE INSERT	146347	25.31	15.18
SEKR42AFSN-MX PM25P CARBIDE INSERT	149145	25.68	15.41
SEKR42AFTN-F3 PM25C CARBIDE INSERT	146346	26.94	16.17
SEKR43AFSN-F3 PM10C CARBIDE INSERT	146383	22.05	13.23
SEKR43AFSN-F3 PM20U CARBIDE INSERT	146382	15.96	9.57
SEKR43AFSN-F3 PM25C CARBIDE INSERT	146351	26.84	16.10
SEKT13T3AGN-M PM10C CARBIDE INSERT	148656	25.14	15.08
SEXT0903AGSN-M PM25C CARBIDE INSERT	147725	20.21	12.12
SEXT14M4AGSN-F2 MM30P CARBIDE INSERT	148506	24.19	14.52
SEXT14M4AGSN-F2 PM30C CARBIDE INSERT	148184	24.60	14.76
SEXT14M4AGSN-M PTM50P CARBIDE INSERT	149025	24.19	14.52
SEXT14M4AGSN-M SM20P CARBIDE INSERT	148501	24.60	14.76
SEXT14M4AGSN-R8 PM25C CARBIDE INSERT	147731	24.19	14.52
SNEX1010ZNN-CU1 KM10P CARBIDE INSERT	148519	51.85	31.11
SNEX1206ANN-W PM30P INSERTS	146293	33.99	20.39
SNMX1206ANN-M MM30P CARBIDE INSERT	148904	28.89	17.33
SNMX1206ANN-M PM25C CARBIDE INSERT	148796	28.89	17.33
SNU433 PTM30U CARBIDE INSERT	146449	16.68	10.01
SPGN250616-X PM25C CARBIDE INSERT KORLOY	148515	17.74	10.65
SPGN250616S PM25C CARBIDE INSERT KORLOY	148516	17.74	10.65
SPK42EDR PM25C CARBIDE INSERT	146480	24.27	14.56
SPK53EDTR PM25C CARBIDE INSERT	147775	34.18	20.51
SPMT 050203 DS MM30P CARBIDE INSERT	148658	24.01	14.41
SPMT050203-MD KTM10U CARBIDE INSERT	148393	14.26	8.55
SPMT060204-MD KTM10U CARBIDE INSERT	148394	15.17	9.10
SPMT060204-MD PM30P CARBIDE INSERT	148327	20.54	12.32
SPMT070204-DM PM30.1P CARBIDE INSERT	146378	20.59	12.35
SPMT070204-MD KTM10U CARBIDE INSERT	148395	15.22	9.13
SPMT432 KTM10U BUFFED CARBIDE INSERT	146054	15.66	9.40

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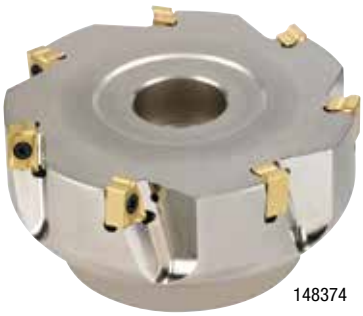
INDEXABLE CUTTING TOOLS

SPU633 PTM30U CARBIDE INSERT	146495	21.93	13.16
TDGH-520-EZ-DM550 INSERT	895872	23.17	13.90
TEKN43-TR PTM30U CARBIDE INSERT	146564	27.07	16.24
TPK32PDR PM25C CARBIDE INSERT	146680	20.54	12.32
TPK43PDR PM25C CARBIDE INSERT	146720	29.27	17.56
TPK43PDR PTM30U CARBIDE INSERT	146700	21.66	13.00
TPU321 PTM30U CARBIDE INSERT	146760	10.53	6.32
TPU322 PTM30U CARBIDE INSERT	146780	10.53	6.32
TPU432 PM25C CARBIDE INSERT	146711	18.89	11.33
TPU433 PTM30U CARBIDE INSERT	146840	14.85	8.91
WDKT10T320ZDSR-MH KM10P INSERTS	146271	26.84	16.10
WDKT10T320ZDSR-MH PM10C CARBIDE INSERT	148652	21.00	12.60
WDKT10T320ZDSR-MH PM45P CARBIDE INSERT	149383	26.84	16.10
WDKT10T320ZDSR-MH SM20P INSERTS	146272	24.12	14.47
WDKT13050ZDSR-MH PM30P CARBIDE INSERT	146331	37.57	22.54
WDKT130520ZDSR-HM PM10P CARBIDE INSERT	148653	37.57	22.54
WDKT150625DR-MH PM30P CARBIDE INSERTS	147078	45.07	27.04
WDKT150625ZDSR-MH PTM50P INSERTS	149108	45.07	27.04
WNMX09T316ZNN-M PTM50P INSERTS	145640	28.75	17.25
WNMX130520ZNN-M PTM50P CARBIDE INSERT	145675	45.07	27.04
XEKT19M504FR-A KTM10U INSERTS	145610	48.17	28.90
XEKT19M516FR-A KTM10U INSERTS	145612	48.17	28.90
XEKT19M520FR-A KTM10U INSERTS	146368	48.17	28.90
XNKT080508 PNER-ML PC5300 INSERT	149162	21.62	12.97



148374

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148102

Indexable Ball Nose End Mills

Product Description	Code No.	Reg. Price $	SALE $
BNS432R CUTTER	148013	95.40	57.24
MM 1-1/8-L MOLD MILL 13.78 OAL	148102	1,397.48	838.49

Indexable Chamfer Angle Face Mills

Product Description	Code No.	Reg. Price $	SALE $
FM 4080R 45 FACEMILL	145700	983.74	590.24
FMACA3250R 250MM FUTURE MILL	147807	533.44	320.07

Indexable Chamfer End Mills

Product Description	Code No.	Reg. Price $	SALE $
AP11-15 2150SE ENDMILL	147135	159.30	95.58

Indexable Square End Mills

Product Description	Code No.	Reg. Price $	SALE $
AME2062HR ALUMIMILL END MILL	146404	512.00	307.20
AME2100HR ALUMIMILL END MILL	146405	750.09	450.05
AME2125HR ALUMIMILL END MILL	146406	908.31	544.98
AME2150HR ALUMIMILL END MILL	146409	974.13	584.48
AP06-90 1075HS-5 ENDMILL	145573	293.31	175.99
AP06-90 1100HS ENDMILL	145574	348.67	209.20
AP06-90 1125HS ENDMILL	145576	464.81	278.89
AP10-90 1 1/4 ENDMILL	147840	169.94	101.96
DS4-3125HR 1-1/4 3 FLUTE ENDMILL	146390	550.47	330.28
DS4-3125HR 1-1/4 4 FLUTE ENDMILL	146391	649.03	389.42
DS4-3150HR 1-1/2 4 FLUTE ENDMILL	146392	697.77	418.66
DS4-3150HR 1-1/2 5 FLUTE ENDMILL	146393	800.78	480.47
DS4-3200HR 2 5 FLUTE ENDMILL	146394	851.71	511.03
DS4-3200HR 2 7 FLUTE ENDMILL	146395	1,062.21	637.33
DS4-4125HR-S125 ENDMILL	148870	553.10	331.86
DS4-4150HR-S125 ENDMILL	148871	726.14	435.68
DS4-4200HR-S125M ENDMILL	148872	912.13	547.28
FMPSA3100S 1 FUTUREMILL	147803	343.80	206.28
FMPSA3150S 1 1/2 FUTUREMILL	147805	568.98	341.39
MM90-3125E 25MM ENDMILL	148011	447.92	268.75
MM90-3132E 32MM ENDMILL	148012	447.92	268.75
PASA2075R 3/4 ENDMILL FOR ALUMINUM	148935	568.52	341.11
RM3PSA3075 HR-2L075 ENDMILL	149218	274.37	164.62

Indexable High Feed End Mills

Product Description	Code No.	Reg. Price $	SALE $
HFPA 3/4 MEDIUM HI-FEEDMILL	148643	510.25	306.15
HFPC0820R-2S20 HI-FEEDMILL	148577	496.88	298.13

Modular Milling Cutting Unit Head

Product Description	Code No.	Reg. Price $	SALE $
LBEA125-MHD-M16 LASER MILL MODULAR HEAD	149168	437.13	262.28

Indexable Square Face Mills

Product Description	Code No.	Reg. Price $	SALE $
CBMQ3080L-8Z CUBE MILL CUTTER	148576	1,081.48	648.89
CBMQ3160R-18Z CUBE MILL	148536	2,133.00	1,279.80
CBMQ3250R-8Z CUBE MILL CUTTER	148533	1,135.59	681.36
D4-S3250HR 2-1/2 9 FLUTE CUTTER	148374	1,094.30	656.58
DS4-3300HR 3 10 FLUTE FACEMILL	148376	1,668.65	1,001.19
DS4-4400HR-M FACEMILL	148880	1,935.94	1,161.57
DS4-4500HR FACEMILL	148881	2,159.91	1,295.94
DS4-4600HR-M FACEMILL	148884	2,939.43	1,763.66
DS4-A4500HR-M FACEMILL	148882	2,699.91	1,619.94

Turning Inserts

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SOWA INDEXABLE CUTTING TOOLS

Product Description	Code No.	Reg. Price $	SALE $
CCGT32.52-AP KT10U CARBIDE INSERT	146012	23.55	14.13
CCGT431-AP KT10U CARBIDE INSERT	146627	27.28	16.37
CCMT21.50.5 F2P PT25C CARBIDE INSERT	149252	14.19	8.52
CCMT21.50.5-F2P PT15C CARBIDE INSERT	149494	14.18	8.51
CCMT21.51-F2P PT15C CARBIDE INSERT	149495	14.19	8.52
CCMT21.51-F3P KT10C CARBIDE INSERT	147954	14.40	8.64
CCMT21.51-F3P PT10S CERMET INSERT	147456	9.57	5.74
CCMT21.51-F3P PT30C INSERTS	145735	14.18	8.51
CCMT21.52-F2P PT15C CARBIDE INSERT	149496	14.18	8.51
CCMT21.52-F2P PT20S CERMET INSERT	148405	11.30	6.78
CCMT21.50.5-FVL PT15C CARBIDE INSERT	149468	14.40	8.64
CCMT32.50.5-F2 PT15C CARBIDE INSERT	149498	14.63	8.78
CCMT32.51-F1P PT25C CARBIDE INSERTS	149257	14.87	8.92
CCMT32.51-F2P MT15C CARBIDE INSERT	149238	14.63	8.78
CCMT32.51-F2P PT25C CARBIDE INSERT	149220	14.63	8.78
CCMT32.51-F3P PT22CO INSERTS	145566	14.63	8.78
CCMT32.52-F2 PT22C CARBIDE INSERT	149080	14.63	8.78
CCMT32.52-F2P KT05C CARBIDE INSERT	146699	14.87	8.92
CCMT32.52-F2P PT25C CARBIDE INSERTS	149221	14.63	8.78
CCMT431-F1P PT20C CARBIDE INSERT	146060	16.36	9.82
CCMT431-F3P PT25C CARBIDE INSERT	149262	19.34	11.60
CCMT432-C25 NC3015 CARBIDE INSERT NANO-FUTURA COATED	148003M	10.18	6.11
CCMT432-F2P KT05C CARBIDE INSERT	147240	16.36	9.82
CCMT432-F2P PT10S CERMET INSERT	147458	13.09	7.85
CCMT432-F2P PT20S CERMET INSERT	147459	13.12	7.87
CCMT432-F2P PT25C CARBIDE INSERT	149299	19.35	11.61
CCMT432-F3P KT10C CARBIDE INSERT	148001	19.34	11.60
CCMT432-F3P PT10C CARBIDE INSERT	148002	16.36	9.82
CCMT432-F3P PT10S CERMET INSERT	147460	13.12	7.87
CCMT432-F3P PT15C CARBIDE INSERT	148003	17.21	10.33
CCMT432-F3P PT20S CERMET INSERT	147461	13.12	7.87
CNGN433 GRADE BX20 CARBIDE INSERT	146061	6.03	3.62
CNMA432 KT10C CARBIDE INSERT	147473	17.21	10.33
CNMA432 PT10C CARBIDE INSERT	146096	17.56	10.54
CNMA433 KT05C CARBIDE INSERT	146817	17.21	10.33
CNMA433 KT10C (NC6010) CARBIDE INSERT NANO-FUTURA	147478M	8.82	5.29
CNMA433 PT10C CARBIDE INSERT	146097	14.15	8.49
CNMA542 KT15C CARBIDE INSERT	148670	27.24	16.34
CNMA643 KT10C CARBIDE INSERT	147893	36.37	21.82
CNMG321-F2 PT20C INSERTS	146003	12.46	7.48
CNMG431-A KT10U CARBIDE INSERT	147524	13.83	8.30
CNMG431-B20 KT05C CARBIDE INSERT	147322	14.15	8.49
CNMG431-F2 PT20S CERMET INSERT	147515	11.37	6.82
CNMG431-F3 PT20S CERMET INSERT	147517	11.37	6.82
CNMG431-G PT10C CARBIDE INSERT	147479	17.21	10.33
CNMG431-M PT20S CERMET INSERT	147532	11.38	6.83
CNMG431-SM MT30P CARBIDE INSERT	147487	17.21	10.33
CNMG432-A KT10U CARBIDE INSERT	147526	13.83	8.30
CNMG432-B20 PT10C CARBIDE INSERT	146104	14.15	8.49
CNMG432-F3 PT20S CERMET INSERT	147521	11.37	6.82
CNMG432-M PT25C CARBIDE INSERT	149231	17.21	10.33
CNMG432-M1 PT10C CARBIDE INSERT	148293	17.21	10.33
CNMG432-M1 PT22CO INSERTS	145563	17.21	10.33
CNMG432-MM PT25C CARBIDE INSERT	149256	17.56	10.54
CNMG432-R1 KT05C CARBIDE INSERT	147237	17.21	10.33
CNMG432-R1 PT10C CARBIDE INSERT	146111	14.15	8.49
CNMG432-R1 PT22C CARBIDE INSERT	146569	17.21	10.33
CNMG432-R1 PT25C CARBIDE INSERT	149254	17.21	10.33
CNMG432-R2 KT10C CARBIDE INSERT	147492	14.15	8.49
CNMG432-SM MT30P CARBIDE INSERT	147489	17.21	10.33
CNMG432-WF KT10C CARBIDE INSERT	147947	16.26	9.75
CNMG432-X115 KT05C CARBIDE INSERT	146231	14.15	8.49
CNMG433-M PT10C CARBIDE INSERT	148730	17.51	10.51
CNMG433-M PT25C CARBIDE INSERT	149375	17.21	10.33
CNMG433-M PT30C CARBIDE INSERT	147538	17.21	10.33
CNMG433-M1 PT15C CARBIDE INSERT	149555	17.21	10.33
CNMG433-R1 KT05C CARBIDE INSERT	147323	17.51	10.51
CNMG433-R1 KT10C CARBIDE INSERT	147890	14.15	8.49
CNMG433-R1 PT10C CARBIDE INSERT	146103	17.21	10.33
CNMG433-R2 PT10C CARBIDE INSERT	147493	14.15	8.49
CNMG433-SM ST10P CARBIDE INSERT	148855	17.21	10.33
CNMG433-W PT22C WIPER CHIPBREAKER CARBIDE INSERT	146643	19.79	11.88
CNMG543-R1 PT10C CARBIDE INSERT	146851	27.19	16.31
CNMG543-R1 PT22C CARBIDE INSERT	149048	27.24	16.34
CNMG543-R1 PT30C CARBIDE INSERT	146187	26.77	16.06
CNMG543-R2 PT10C CARBIDE INSERT	147498	21.99	13.20
CNMG543-R2 PT20C CARBIDE INSERT	147499	26.77	16.06
CNMG543-R2 PT40C CARBIDE INSERT	148700	27.24	16.34
CNMG644-R1 PT20C CARBIDE INSERT	148992	35.84	21.50
CNMG644-R1 PT22C CARBIDE INSERT	146599	35.84	21.50
CNMG644-R2 PT30C CARBIDE INSERT	147503	35.84	21.50
CNMM433-R3 PT22C CARBIDE INSERT	146663	14.17	8.50
CNMM643 R3 NC3120 CARBIDE INSERT	146197	35.84	21.50
CNMM646-R3 PT10C CARBIDE INSERT	146779	29.43	17.66
CNMM866 R3 GRADE PT22C CARBIDE INSERT	149073	60.55	36.33
CPGT322-C05 PT10S CERMET INSERT	146208	17.70	10.62
DCGT32.52-AP KT10U CARBIDE INSERT	146992	23.55	14.13
DCMT21.50.5-FVL PT15C CARBIDE INSERT	149469	14.75	8.85
DCMT21.51-F2P KT10C CARBIDE INSERT	147972	14.96	8.98
DCMT21.51-F2P PT15C CARBIDE INSERT	149503	14.75	8.85
DCMT21.52-F2P PT15C CARBIDE INSERT	149505	14.75	8.85
DCMT21.52-F2P PT25C CARBIDE INSERT	149507	14.75	8.85
DCMT32.51-F2P KT10C CARBIDE INSERT	147592	18.52	11.11
DCMT32.51-F2P PT15C CARBIDE INSERT	149511	18.20	10.92
DCMT32.52-F2P MT15C CARBIDE INSERT	149292	18.20	10.92
DCMT32.52-F2P PT15C CARBIDE INSERT	149513	18.20	10.92
DCMT32.52-F2P PT20S CERMET INSERT	147595	12.31	7.39
DNMA332 KT10C CARBIDE INSERT	147549	13.75	8.25
DNMA332-KT05C CARBIDE INSERT	147090	15.07	9.04
DNMA431 KT10C CARBIDE INSERT	147550	17.37	10.42
DNMG331-F2 KT10C CARBIDE INSERT	147211	14.44	8.66
DNMG331-F2 PT10C CARBIDE INSERT	147093	14.45	8.67
DNMG331-F2 PT20S CERMET INSERT	147568	14.12	8.47
DNMG331-M PT20S CERMET INSERT	147583	14.12	8.47
DNMG331-VF PT20S CERMET INSERT	148833	14.12	8.47
DNMG332-F2 PT10C CARBIDE INSERT	147095	14.44	8.66
DNMG332-F2 PT20C CARBIDE INSERT	147096	17.56	10.54
DNMG332-F2 PT20S CERMET INSERT	147569	14.12	8.47
DNMG332-M PT20S CERMET INSERT	147585	14.12	8.47
DNMG332-VF CX270 CARBIDE INSERT	148908	13.75	8.25
DNMG333-M PT20S CERMET INSERT	147587	11.05	6.63
DNMG431-A ST10P CARBIDE INSERT	148381	21.11	12.67
DNMG431-M1 PT20C INSERTS	145650	21.11	12.67
DNMG431-M1 PT15C CARBIDE INSERT	149439	21.12	12.67
DNMG432-A MT15C CARBIDE INSERT	149338	21.12	12.67
DNMG432-M1 PT10C CARBIDE INSERT	148964	21.11	12.67
DNMG432-M1 PT25C INSERTS	149243	21.11	12.67
DNMG432-MM PT25C CARBIDE INSERT	149279	21.48	12.89
DNMG432-R2 PT10C CARBIDE INSERT	147562	17.35	10.41
DNMG432-SM MT30P CARBIDE INSERT	147561	21.11	12.67
DNMG432-SM ST10P CARBIDE INSERT	148384	21.11	12.67
DNMG433-F2 PT10C CARBIDE INSERT	148527	19.88	11.93
DNMG433-M PT15C CARBIDE INSERT	149441	21.46	12.88
DNMG433-M PT20C CARBIDE INSERT	146697	17.35	10.41
DNMG433-M PT25C CARBIDE INSERT	149445	21.46	12.88
DNMG441-G PT20C CARBIDE INSERT	146280	18.93	11.36
DNMG442-M PT20S CERMET INSERT	147558	19.42	11.65
KNUX160405-L11 PT25C CARBIDE INSERT	149266	27.51	16.50
KNUX160405-L11 ST20 CARBIDE INSERT	146479	18.14	10.88
KNUX160405L-11 PTM50C INSERT	146062	32.76	19.65
OFCN070408N PT30S CERMET INSERT	146425	31.81	19.09
OFCW05T3SN PT30S CERMET INSERT	146842	29.70	17.82
RCGT0803M0-AP KT10U CARBIDE INSERT	146315	22.08	13.25
RCGT1003M0-A20 CARBIDE INSERT	146316	21.94	13.16
RCGT10T3M0-AP KT10U CARBIDE INSERT	147377	28.04	16.82
RPMT0802M0 PT20S CERMET INSERT	147737	11.91	7.15
SCGT32.51-AP KT10U CARBIDE INSERT	146993	24.57	14.74
SCGT431-AM-KT10U INSERTS	146101	27.28	16.37
SCGW32.52 PTM30U CARBIDE INSERT	147183	19.49	11.69
SCMT32.51-F3P PT20S CERMET INSERT	148696	11.73	7.04
SCMT32.51-F3P PT20S CERMET INSERT	146222	11.73	7.04
SCMT32.51-F3P PT30S CERMET INSERT	146323	10.44	6.27
SCMT32.52-F2P KT10C CARBIDE INSERT	147606	13.05	7.83
SCMT32.52-F3P KT15C CARBIDE INSERT	149224	14.63	8.78
SCMT32.52-F3P PT15C CARBIDE INSERT	148004	13.05	7.83
SCMT32.52-F3P PT22C CARBIDE INSERT	146554	14.63	8.78
SCMT32.52-F3P PT25C CARBIDE INSERT	149354	14.63	8.78
SCMT32.52-HMP PT10C CARBIDE INSERT	148739	14.15	8.49
SCMT432-F3P CX270 CARBIDE INSERT	148959	17.21	10.33
SCMT432-F3P KT10C CARBIDE INSERT	147998	19.61	11.77
SCMT432-F3P PT10C CARBIDE INSERT	148960	19.63	11.78
SNMA432 KT10C CARBIDE INSERT	147475	17.21	10.33
SNMA433 KT10C (NC6010) CARBIDE INSERT NANO-FUTURA	147738M	8.98	5.39
SNMA433 KT10C CARBIDE INSERT	147738	17.21	10.33
SNMA433 NC305K CARBIDE INSERT	147207	11.37	6.82
SNMA434 KT10C CARBIDE INSERT	147739	17.56	10.54
SNMG431-A KTM10U CARBIDE INSERT	147711	13.83	8.30
SNMG431-G PT20C CARBIDE INSERT	147740	14.15	8.49
SNMG432-A KTM10U CARBIDE INSERT	147714	13.83	8.30
SNMG432-D02 PT10S CERMET INSERT	146403	10.83	6.50

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SNMG432-G PT10C CARBIDE INSERT	147742	14.15	8.49
SNMG432-M1 PT20C CARBIDE INSERT	148931	17.21	10.33
SNMG433-M PT10C CARBIDE INSERT	147389	14.15	8.49
SNMG433-M1 PT20C CARBIDE INSERT	148420	14.15	8.49
SNMG433-R1 KT10C CARBIDE INSERT	147754	14.15	8.49
SNMG433-R1 PT20C (NC3120) CARBIDE INSERT	911292	17.21	10.33
SNMG438 GR NC015 TREATED INSERTS	146440C	8.57	5.14
SNMG542-G PT20C INSERTS	146115	22.53	13.52
SNMG543-R1 PT30C CARBIDE INSERT	146429	27.44	16.47
SNMG543-R2 PT10C CARBIDE INSERT	147755	27.85	16.71
SNMG543-R2 PT20C CARBIDE INSERT	146430	27.44	16.47
SNMG543-SM MT20C CARBIDE INSERT	148799	22.53	13.52
SNMG642-G PT10C CARBIDE INSERT	146435	29.43	17.66
SNMG643-G KT10C INSERTS	146118	29.43	17.66
SNMG643-G PT10C CARBIDE INSERT	146441	29.43	17.66
SNMG643-R1 PT20C (NC3120) CARBIDE INSERT - NEW	911290	29.43	17.66
SNMG643-R1 PT20C CARBIDE INSERT	146221	35.84	21.50
SNMG643-R1 PT30C CARBIDE INSERT	146079	35.84	21.50
SNMG643-R2 PT30C CARBIDE INSERT	146412	35.84	21.50
SNMG643-SM PT20C CARBIDE INSERT	148592	29.43	17.66
SNMG644-F2 PT30C CARBIDE INSERT	147697	29.46	17.68
SNMG644-R1 KT10C CARBIDE INSERT	148752	29.43	17.66
SNMG644-R1 PT20C CARBIDE INSERT	146189	35.84	21.50
SNMM433-R3 PT20C CARBIDE INSERT	146407	14.15	8.49
SNMM643-B40 PT30C CARBIDE INSERT	146473	29.43	17.66
SNMM643-R3 PT10C CARBIDE INSERT	147701	29.43	17.66
SNMM643-R3 PT20C CARBIDE INSERT	147702	29.43	17.66
SNMM856-R2 PM20U CARBIDE INSERT	146688	53.06	31.84
SNMM856-R2 PT30C CARBIDE INSERT	146686	53.06	31.84
SNMM856-R3 PM20U CARBIDE INSERT	147707	44.37	26.62
SNMM856-R3 PT20C CARBIDE INSERT	147704	53.06	31.84
SNMM856-R3 PT30C CARBIDE INSERT	147706	65.60	39.36
SNMM856-R3 PT40C CARBIDE INSERT	147705	53.06	31.84
SNMM866 R4 GRADE PT22C CARBIDE INSERT	149072	52.82	31.69
SPG431 PT20U CARBIDE INSERT	146461	13.75	8.25
SPGT321-F1P PT20S INSERTS	146119	21.78	13.07
SPGT322R CN2000 CERMET INSERT	146465	20.49	12.30
SPMR421-F PT20C CARBIDE INSERT	146259	16.24	9.75
TCGT110204-X011 KT15P CARBIDE INSERT	148512	20.23	12.14
TCGT21.51-AP KT10U CARBIDE INSERT	146505	20.46	12.28
TCGT32.51-AM KT10U INSERTS	146135	25.90	15.54
TCGT32.51-AP PM30P CARBIDE INSERT	146546	21.24	12.74
TCGT32.52-AP KT10U CARBIDE INSERT	146508	25.90	15.54
TCMT1.81.51-HMP KT10C CARBIDE INSERT	148059	11.41	6.85
TCMT21.50-F2 PT15C CARBIDE INSERT	149514	13.90	8.34
TCMT21.51-F1P PT10S CERMET INSERT	146498	9.43	5.66
TCMT21.51-F1P PT20S CERMET INSERT	146496	11.75	7.05
TCMT21.51-F1P PT22C CARBIDE INSERT	146606	12.42	7.45
TCMT21.51-F2P PT15C CARBIDE INSERT	149515	13.89	8.33
TCMT21.51-F3P KT10C CARBIDE INSERT	147956	14.07	8.44
TCMT21.51-F3P PT20S CERMET INSERT	146499	9.41	5.65
TCMT21.52-F2P PT15C CARBIDE INSERT	149516	13.89	8.33
TCMT21.52-F3P PT10C CARBIDE INSERT	146509	11.76	7.06
TCMT32.51-F3P PT10C CARBIDE INSERT	146778	16.74	10.05
TCMT32.51-F3P PT25C CARBIDE INSERTS	149235	16.74	10.05
TCMT32.51-F3P PT30C CARBIDE INSERT	146416	16.74	10.05
TCMT32.52-C25 CX195B CERMET INSERT	148320	14.22	8.53
TCMT32.52-F2P PT15C CARBIDE INSERT	149343	16.74	10.05
TCMT32.52-F2P PT30C CARBIDE INSERT	146613	17.04	10.22
TCMT32.52T1-F3P KTM30U CARBIDE INSERT	147401	11.42	6.85
TCMT3250.5-F1P PT15C CARBIDE INSERT	149517	17.00	10.20
TCMT3251-F2P PT15C CARBIDE INSERT	149518	16.74	10.05
TNMA 433 KT10C (NC6010) CARBIDE INSERT NANO-FUTURA	147610M	10.25	6.15
TNMA332 KT10C CARBIDE INSERT	148745	15.07	9.04
TNMA332 KT10C CARBIDE INSERT	147476	15.07	9.04
TNMA333 KT10C CARBIDE INSERT	147608	15.28	9.17
TNMA333 KT10C CARBIDE INSERT	148746	12.76	7.66
TNMA433 KT10C CARBIDE INSERT	147610	21.73	13.04
TNMG 434 R1 PT30C CARBIDE INSERT	146549	21.40	12.84
TNMG321-G PT30C CARBIDE INSERT	146270	13.83	8.30
TNMG331-A MT15C CARBIDE INSERT	149290	15.07	9.04
TNMG331-D02 PT10S CERMET INSERT	146568	9.97	5.98
TNMG331-M1 PT25C CARBIDE INSERT	149259	15.07	9.04
TNMG332 M PT20S CERMET INSERT	146570	10.88	6.53
TNMG332-A PT25C CARBIDE INSERT	149346	15.07	9.04
TNMG332-CF2 PT20S CERMET INSERT	148947	12.14	7.29
TNMG332-CF3 PT20S CERMET INSERT	148948	12.14	7.29
TNMG332-D02 PT10S CERMET INSERT	146574	9.97	5.98
TNMG332-F2 PT20S CERMET INSERT	148054	12.14	7.29
TNMG332-GF PT20S CERMET INSERT	148055	9.51	5.71
TNMG332-M1 PT20C CARBIDE INSERT	148860	15.28	9.17
TNMG333-F1 KT10C CARBIDE INSERT	147620	12.38	7.43
TNMG333-F2 PT15C CARBIDE INSERT	147887	12.38	7.43

TNMG333-M PT20S CERMET INSERT	147643	12.14	7.29
TNMG333-R1 KT10C CARBIDE INSERT	148977	15.07	9.04
TNMG432-A KT10U CARBIDE INSERT	148375	17.07	10.24
TNMG432-A MT20C INSERTS	146160	17.57	10.54
TNMG432-M PT15C CARBIDE INSERT	149449	21.40	12.84
TNMG432-M1 PT20C CARBIDE INSERT	148932	21.40	12.84
TNMG432-R1 PT30C CARBIDE INSERT	146621	21.40	12.84
TNMG432-R2 PT15C CARBIDE INSERT	149340	17.23	10.34
TNMG432-SM MT15C CARBIDE INSERT	149271	21.73	13.04
TNMG432-SM MT30P CARBIDE INSERT	147616	21.40	12.84
TNMG433-M PT25C CARBIDE INSERT	149288	21.73	13.04
TNMG543-B25 PTM30U CARBIDE INSERT	146608	23.58	14.15
TNMG543-G PT10C CARBIDE INSERT	146647	34.35	20.61
TNMG543-G PT25C CARBIDE INSERT	149275	34.35	20.61
TNMG543-R1 PT20C CARBIDE INSERT	148863	34.35	20.61
TNMG544-G PT10C CARBIDE INSERT	146649	28.28	16.97
TNMG544-G PT20C CARBIDE INSERT	146650	28.22	16.93
TNMG544-G PT30C CARBIDE INSERT	148550	34.35	20.61
TNMM433-R3 PT20C CARBIDE INSERT	147328	17.57	10.54
TPGT331-R PT10S CERMET INSERT	146657	22.95	13.77
TPMR222-M PT20C CARBIDE INSERT	146659	14.53	8.72
TPMR222-M PT22C CARBIDE INSERT	146575	12.14	7.29
VBMT331 MT20P INSERTS	146170	20.49	12.30
VBMT332-PT25C CARBIDE INSERTS	149269	24.22	14.53
VCGT332-AM KT10U INSERTS	146180	28.19	16.91
VCPA4086 ST30A REV. B INSERT	146612	30.81	18.49
VCPA4086-REVB NC3030 INSERT	146543	9.31	5.58
VNMG331-A KTM10U CARBIDE INSERT	145546	17.50	10.50
VNMG332-M KT10C CARBIDE INSERT	147668	22.34	13.41
VNMG332-M PT25C CARBIDE INSERT	149265	21.93	13.16
VNMG332-M1 GRADE PT20C CARBIDE INSERT	909178	18.68	11.21
VNMG333-M1 PT25C CARBIDE INSERT	149274	21.94	13.16
WBGT1.51.50.5L PT10S CERMET INSERT	147696	40.34	24.20
WCMT1.81.52-C20 PM25C CARBIDE INSERT	146242	20.54	12.32
WNMA332 KT10C CARBIDE INSERT	147474	11.90	7.14
WNMA333 KT10C CARBIDE INSERT	147469	11.90	7.14
WNMA432 CX270 CARBIDE INSERT	148907	11.28	6.77
WNMA432 KT05C CARBIDE INSERT	147429	17.21	10.33
WNMA432 KT10C (NC6010) CARBIDE INSERT NANO-FUTURA	147672M	9.25	5.55
WNMA432 KT10C CARBIDE INSERT	147672	14.15	8.49
WNMA432 KT10C CARBIDE INSERT	148825	14.15	8.49
WNMA433 KT10C CARBIDE INSERT	147673	14.92	8.95
WNMG331-M PT10C CARBIDE INSERT	147254	11.90	7.14
WNMG332-F2 PT20S CERMET INSERT	147952	11.90	7.14
WNMG332-M KT10C CARBIDE INSERT	148706	11.90	7.14
WNMG332-M PT10C CARBIDE INSERT	146049	14.74	8.84
WNMG332-M PT20C CARBIDE INSERT	147253	14.48	8.69
WNMG332-SM MT20C CARBIDE INSERT	147674	14.74	8.84
WNMG333-M PT20C CARBIDE INSERT	147252	14.48	8.69
WNMG333-M PT22C CARBIDE INSERT	146654	11.90	7.14
WNMG431-A ST10P CARBIDE INSERT	148422	17.21	10.33
WNMG431-F2 PT10C INSERTS	145644	17.21	10.33
WNMG431-F2 PT15C CARBIDE INSERT	149411	17.21	10.33
WNMG431-M PT15C CARBIDE INSERT	149417	17.21	10.33
WNMG431-M1 PT22CO INSERTS	145564	17.21	10.33
WNMG431-M1 PT25C CARBIDE INSERT	149423	17.23	10.34
WNMG431-SM ST10P CARBIDE INSERT	148424	17.21	10.33
WNMG432 (080408) F2 PT20C CARBIDE INSERT	148713	17.56	10.54
WNMG432-A KTM10U CARBIDE INSERT	147693	13.83	8.30
WNMG432-FVL PT15C CARBIDE INSERT	149413	17.23	10.34
WNMG432-FVL PT25C CARBIDE INSERT	149415	17.21	10.33
WNMG432-M PT10C CARBIDE INSERT	146864	17.56	10.54
WNMG432-M PT20C (NC3120) CARBIDE INSERT - NEW	911288	14.15	8.49
WNMG432-M PT20C CARBIDE INSERT	148933	17.21	10.33
WNMG432-M PT25C CARBIDE INSERT	149364	17.21	10.33
WNMG432-M1 PT15C CARBIDE INSERT	149419	17.21	10.33
WNMG432-M1 PT25C CARBIDE INSERT	149425	17.21	10.33
WNMG432-MM PT25C CARBIDE INSERT	149249	17.51	10.51
WNMG432-R2 KT10C CARBIDE INSERT	148919	14.17	8.50
WNMG432-W PT15C CARBIDE INSERT	148790	16.26	9.75
WNMG432-WF PT10C CARBIDE INSERT	148171	16.26	9.75
WNMG432-WF PT20C CARBIDE INSERT	148968	16.29	9.77
WNMG432-WF PT22C WIPER CHIPBREAKER CARBIDE INSERT	146730	19.79	11.88
WNMG432-WL PT10C CARBIDE INSERT	148965	16.26	9.75
WNMG432-WV PT10C CARBIDE INSERT	148967	16.26	9.75
WNMG433-M1 PT10C CARBIDE INSERT	148972	17.51	10.51
WNMG433-M1 PT15C CARBIDE INSERT	149421	17.21	10.33
WNMG433-M1 PT25C CARBIDE INSERT	149427	17.21	10.33
WNMG433-R1 PT20C CARBIDE INSERT	146045	17.21	10.33
WNMG433-R1 PT22C INSERT	145559	17.21	10.33
WNMG433-R1 PT30C CARBIDE INSERT	146862	17.21	10.33
WNMG433-R2 PT20C CARBIDE INSERT	147683	17.21	10.33
WNMG433-SM HTS30T COATED CARBIDE INSERT	911280	9.73	5.84

Indexable Turning Toolholders

Product Description	Code No.	Reg. Price $	SALE $
CTGNR 2525M16C TOOLHOLDER	146068	235.85	141.51
MGEHR 2525-5 MGT EXTERNAL HOLDER	147204	223.02	133.81
MGEVR2525-3 25X25X150 MTG EXT. HOLDER	147362	210.88	126.53
MVJNR 2525-M16 TOOLHOLDER 25MMX150MM	147260	121.95	73.17
PCBNL2525-M12 25X25X150 TOOLHOLDER	148008	89.14	53.48
PCLNL2525-M12 25X25X150 TOOLHOLDER	146519	103.84	62.31
PTTNR2525-M22 TOOLHOLDER	146287	103.84	62.31
PWLNL2525-M06 25X25X150 TOOLHOLDER	147263	92.85	55.71
PWLNR 2020-K06 TOOLHOLDER	147264	85.93	51.56
PWLNR 2525-M06 TOOLHOLDER	147262	92.85	55.71
SSSCR 8-3 1/2 SQUARE SHANK TOOLHOLDER	146584	70.56	42.33
SVJBL 8-3 TOOLHOLDER	146670	262.83	157.70

Indexable Boring Bars

Product Description	Code No.	Reg. Price $	SALE $
MGIUL 2312-3 MTG BORING BAR	148132	193.77	116.26
MGIUL 2616-4 MTG BORING BAR 1 SHANK	148138	218.80	131.28
MGIUL 3220-6 MTG BORING BAR 1-1/4 SHANK	148146	263.54	158.12
MGIUL2616-3 1-5/8X1X7-7/8 MTG BORING BAR	148134	218.80	131.28
MGIUL2616-5 1-5/8X1X7-7/8 MTG BORING BAR	148142	218.35	131.01
MGIUL3220-3 2X1.25X9.8 MTG BORING BAR	148136	259.54	155.73
MGIUL3220-4 2X1.25X9.8 MTG BORING BAR	148140	259.54	155.73
MGIUL3220-5 2X1.25X9.8 MTG BORING BAR	148144	263.54	158.12
MGIUR 2616-5 MTG BORING BAR	148141	218.35	131.01
MGIUR 3220-6 MTG BORING BAR 1-1/4 SHANK	148145	263.54	158.12
MGIUR2616-4 1-5/8X1X7-7/8 MTG BORING BAR	148137	218.80	131.28
MGIUR3220-5 2X1.25X9.8 MTG BORING BAR	148143	263.54	158.12
MGIVR2520-2 MGT BORING BAR 1-1/4 SHANK	147358	249.26	149.56
S1-PTFNL 24-3 BORING BAR 1-1/2 SHANK DIAMETER	145924	542.41	325.45
S1-STFCR 16-2 BORING BAR 1 SHANK DIAMETER	145956	409.16	245.49

Indexable Insert Drills

Product Description	Code No.	Reg. Price $	SALE $
GP 1000 INDEXABLE DRILL	146335	306.29	183.78
GP 1500 INDEXABLE DRILL	146339	401.87	241.12
MSDH150-5P PC205F DRILL	148606	827.28	496.37
MSDH175-5P PC225F DRILL	148607	1,096.44	657.87

Indexable Drill Inserts

Product Description	Code No.	Reg. Price $	SALE $
NPET222408-RD PM35P CARBIDE INSERT	148334	22.61	13.57
NPET252808-RD PM35P CARBIDE INSERT	148335	24.12	14.47
NPET293208-RD PM35P CARBIDE INSERT	148336	24.12	14.47
NPET415008-RD PM30P CARBIDE INSERT	148338	36.48	21.89
NPMT222408-MD PM35P CARBIDE INSERT	148329	16.91	10.15
QCMT-050204-CM 10MM PC5300 CARBIDE MULTI-TURN INSERT	147241	28.38	17.03
QCMT-060204-CM 12MM PC5300 CARBIDE MULTI-TURN INSERT	147436	28.38	17.03
QCMT050204-CM 10MM NC6210 CARBIDE MULTI TURN INSERT	147242	28.86	17.31
QCMT060204-CM 12MM NC6210 CARBIDE MULTI-TURN INSERT	147437	28.86	17.31
QCMT070304-CM 14MM NC6210 CARBIDE MULTI-TURN INSERT	147007	28.86	17.31
QCMT080304-CM 16MM NC6210 CARBIDE MULTI-TURN INSERT	147060	29.42	17.65
WCMT32.52 C20 PM35P CARBIDE INSERT	148432	21.93	13.16

Laydown Threading Inserts

Product Description	Code No.	Reg. Price $	SALE $
ECTR300-8-28 PM30P CARBIDE INSERT	146597	51.36	30.82
ICTR14UN PM30P CARBIDE INSERT	146513	41.46	24.87
ICTR18UN PM30P CARBIDE INSERT	146515	41.46	24.87
ICTR20UN PM30P CARBIDE INSERT	146516	41.55	24.93
ICTR24UN PM30P CARBIDE INSERT	146517	41.46	24.87
ICTR28UN PM30P CARBIDE INSERT	146518	41.46	24.87
ICTR300-8-28UN PM30P CARBIDE INSERT	146610	51.36	30.82

Grooving Inserts

Product Description	Code No.	Reg. Price $	SALE $
MGGR3M-3.0-5D-R020 MT30P CARBIDE INSERT	147396	63.31	37.99
MGMN150-G PM35P CARBIDE INSERT	148758	18.91	11.35
MGMN300-M MT15C CARBIDE INSERT	149264	24.51	14.71
MGMN300-M PT25C CARBIDE INSERT	149225	24.14	14.48
MGMN400-M PT25C CARBIDE INSERT	149237	26.02	15.61
MGMN400-M PT30C CARBIDE INSERT	147364	26.02	15.61
MRMN300-M PM30.1P MGT CARBIDE INSERT	146106	24.14	14.48

Cut-Off Inserts

Product Description	Code No.	Reg. Price $	SALE $
SP300 MT30P INSERTS	145617	21.73	13.04
SP400 PT25C CARBIDE INSERT	149369	22.42	13.45
SP500 PT30C CARBIDE INSERT	146456	23.55	14.13

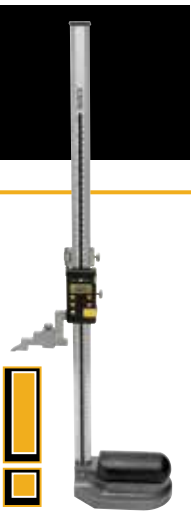
Drill Chamfer Insert

Product Description	Code No.	Reg. Price $	SALE $
SE12T4 CARBIDE INSERT	149216	26.76	16.06

Call **1-800-265-8221** or visit www.**SowaTool**.com to order.

ASIMETO

Digital Height Gauges



- Fine adjustment
- Easy to read large LCD display
- Inch/Metric conversion
- Origin memory eliminates the need to zero the reading each time the height gauge is turned on
- The base is designed with a thermal heat isolation hand grip

40%! OFF

Range	Resolution	Accuracy	Code No.	Reg. Price $	SALE $
0-12"/0-300mm	0.0005"/0.01mm	±0.0015"	7625120	640.34	384.21
0-24"/0-600mm	0.0005"/0.01mm	±0.0020"	7625240	1,371.50	822.90

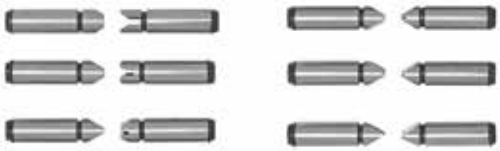
Precision Parallel Sets

- Hardened and ground high grade alloy steel
- Hardness 52-58 HRC
- 6" length
- Absolute heights are nominal
- Supplied in durable plastic case
- Width Accuracy: ±0.0008" Length Accuracy: ±0.0006"

Description	Range	Parallelism	Paired Accuracy	Code No.	Reg. Price $	SALE $
8 Pair 1/2"	7/8" to 1-3/4" x 1/8"	±0.0003"	±0.0003"	7607080	277.39	166.43
9 Pair 1/4"	3/4" to 1-3/4" x 1/8"	±0.0002"	±0.0002"	7607090	262.55	157.53
10 Pair 1/8"	1/2" to 1-5/8" x 1/8"	±0.0002"	±0.0002"	7607100	166.41	99.85

Anvils

- For screw 60° ISO



T.P.I.		Pitch (in./mm)	Notes	Code No.	Reg. Price $	SALE $
64-48	(M1)	0.016-0.019"/0.4-0.5mm	1 pair	7130610	34.41	20.65
13-9	(M4)	0.079-0.118"/2.0-3.0mm	1 pair	7130640	34.41	20.65

Micrometer Standards

- Used for zero point setting of outside micrometers
- Heat insulating handle to prevent heat expansion due to body temperature
- Flat measuring face

Size	Accuracy	Diameter	Code No.	Reg. Price $	SALE $
1"	±0.00005"	0.276"	7110011	9.28	5.57
7"	±0.00015"	0.315"	7110071	24.89	14.93
9"	±0.00020"	0.315"	7110091	31.44	18.86

6" Pocket Rule

- Stainless steel, hardened and tempered
- Includes removable pocket clip

Size	Code No.	Reg Price $	SALE $
6"	7606009	3.59	2.15

Dial Calipers — Diecast Aluminum

- Sturdy Aluminum diecast housing can be used in the harshest of manufacturing environments, including situations with hot steel chips without damage
- The dual pinion mechanism offers ultra smooth feel
- Preloaded pinion offers better repeatability

Range	Grad.	Range per Rev	Accuracy	Code No.	Reg. Price $	SALE $
0-6"	0.001"	0.100"	±0.001"	7304065	142.46	85.48
0-12"	0.001"	0.100"	±0.0015"	7304125	323.67	194.20

IP65 Absolute Digital Indicators

- Absolute or incremental measuring modes
- Tolerance measurement feature allows for the upper and lower tolerance for maximum and minimum
- Inch/Metric conversion
- Flat back (attached) and lug back supplied
- 3/8" stem diameter
- 360 deg. screen rotation
- Cable data output: 7900070
- Wireless data transfer: 7901002

IP 65

7407013 7407023

Range	Resolution	Accuracy	Code No.	Reg. Price $	SALE $
0-0.5"/0-12.5mm	0.0005"/0.01mm	±0.0008"/±0.02mm	7407013	183.16	109.90
0-1"/0-25mm	0.0005"/0.01mm	±0.0012"/±0.02mm	7407023	196.93	118.16

Telescoping Gauges

- Plunger is spring loaded and expands within the bore, allowing measurement of the internal diameter

Range	Depth	Model	Code No.	Reg. Price $	SALE $
0.315"-0.500"	4.2"	A	7487011	12.57	7.54
0.500"-0.748"	4.4"	B	7487021	13.80	8.28
0.748"-1.26"	4.4"	C	7487031	16.34	9.80
1.26"-2.126"	5.85"	D	7487041	17.27	10.36
2.126"-3.54"	5.85"	E	7487051	18.98	11.39
3.54"-5.90"	5.85"	F	7487061	16.59	9.95
0.315"-0.500"	12"		7487013	24.03	14.42
0.500"-0.748"	12"		7487023	23.43	14.06
0.748"-1.26"	12"		7487033	19.14	11.49
2.126"-3.54"	12"		7487053	28.09	16.85
3.54"-5.90"	12"		7487063	26.64	15.99

Standard Magnetic Base

Base only with M8 threaded hole for uses limited only by your imagination.

Magnetic Power	Magnetic Base (L x W x H)	Female Thread	Code No.	Reg. Price $	SALE $
60 kg	60 x 50 x 55mm	M8	7600011	52.66	31.59

Permanent Magnetic Base

- With permanent magnetic base, without On/Off switch
- Dovetail groove included

Magnetic Power	Main Body	Main Stem Length	Dia. of Hole	Slot	Code No.	Reg. Price $	SALE $
17 kg	Ø30 x 25mm	85mm	Ø6mm	6mm	7601120	43.07	25.84

INVENTORY
BLOWOUT SALE!

G3 TOOLING ASIMETO SOWA INDEXABLE CUTTING TOOLS

Top products from our top brands, everything 40% OFF!

Digital Outside Micrometers with SPC Output

- Accuracy: Per B89.1.13-2001 specification
- Carbide measuring faces
- Automatic on/off to maximize battery life
- Inch/Metric conversion
- Absolute or incremental measuring modes

IP 65

Range	Inch Resolution	Accuracy	Range	Metric Resolution	Accuracy	Thimble Type	Code No.	Reg. Price $	SALE $
0-1	0.00005"	0.0001"	0-25	0.001mm	0.002mm	Ratchet	7105015	**259.44**	155.67
2-3	0.00005"	0.0002"	50-75	0.001mm	0.003mm	Ratchet	7105035	**356.76**	214.06
Set									
0-3	0.00005"		0-75	0.001mm		Ratchet	7105639	**1,270.61**	762.37

Economic Digital Outside Micrometers

- Carbide tipped measuring faces
- Painted frame
- Friction thimble
- Inch/Metric conversion
- Absolute or incremental measuring modes

Range	Resolution	Accuracy	Code No.	Reg. Price $	SALE $
0-1"/0-25mm	0.00005"/0.001mm	±0.00016"/0.004mm	7116011	**153.44**	92.06
1-2"/25-50mm	0.00005"/0.001mm	±0.00016"/0.004mm	7116021	**184.14**	110.49
2-3"/50-75mm	0.00005"/0.001mm	±0.0002"/0.005mm	7116031	**225.73**	135.44

Thread Pitch Gauges

- Each individual gauge is stamped with the thread pitch size

Metric Screw Pitch Gauges (60°)

Range	No. of Leaves	Composition of Leaves	Code No.	Reg. Price $	SALE $
0.25-2.5mm	28	0.25 - 0.90mm by 0.05mm, 1 - 2mm x 0.1mm step, Plus 1.25, 1.75, 2.5mm	7605500	**19.94**	11.96

Metric and Unified Screw Pitch Gauges (60°)

Range	No. of Leaves	Composition of Leaves	Code No.	Reg. Price $	SALE $
0.4-7mm 4-42 TPI	51	7605520 and 7605502	7605508	**34.64**	20.78

IP67 Big Screen Coolant Proof Digital Calipers

- Absolute function, there is no need to set the zero
- Hold function for easy reading
- Absolute or incremental measuring modes
- Inch/Metric conversion
- Big Screen design allows for very easy reading while also remaining resistant to coolant, water, dust or oil
- Auto power on/off
- Power: 3V lithium battery

IP 67

Range	Resolution	Accuracy	Code No.	Reg. Price $	SALE $
0-6" / 0-150mm	0.0005" / 0.01mm	±0.001"	7305065	**252.83**	151.70
0-8" / 0-200mm	0.0005" / 0.01mm	±0.0015"	7305085	**387.48**	232.49
0-12" / 0-300mm	0.0005" / 0.01mm	±0.0015"	7305125	**466.63**	279.98

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