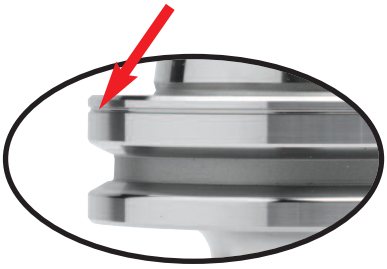
CAT40 Dual Contact ER Collet Chucks

FOR DUAL CONTACT SPINDLES

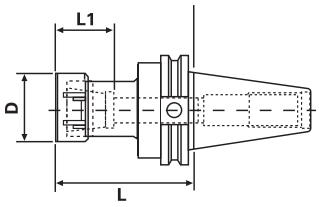
(CAN ALSO BE USED ON STANDARD SPINDLES)

- 100% forged construction
- CAT40 ER chucks balanced to G2.5 at 30,000 rpm
- CAT50 ER chucks balanced to G2.5 at 25,000 rpm
- Precision ground throughout
- DIN coolant thru the flange - standard
- Improves rigidity and reduces vibration allowing for increased feed rates and increased tool life
- TIR: 0.0003" at 4xD

Eliminates the gap between the flange and the spindle for increased rigidity



LOWEST PRICES EVER!



Complete with certificate

Taper	Collet Series	Collet Range	L	L1	D	Tightening Torque (Nm)	Code No.	Reg. Price $	SALE $
CT40	ER16**	0.019-0.413"	2.50"	0.87"	1.26"	56.9	521406	285.50	142.75
CT40	ER16**	0.019-0.413"	4.00"	0.87"	1.26"	56.9	521405	288.50	144.25
CT40	ER16**	0.019-0.413"	6.00"	0.87"	1.26"	56.9	521410	320.40	160.20
CT40	ER32	0.078-0.787"	3.13"	1.34"	1.97"	169.5	521424	320.40	160.20
CT40	ER32	0.078-0.787"	4.00"	1.34"	1.97"	169.5	521423	305.20	152.60
CT40	ER32	0.078-0.787"	6.00"	1.34"	1.97"	169.5	521425	347.70	173.85
CT50	ER16**	0.019-0.413"	4.12"	0.87"	1.26"	56.9	521432	355.30	177.65
CT50	ER16**	0.019-0.413"	6.00"	0.87"	1.26"	56.9	521434	387.20	193.60
CT50	ER16**	0.019-0.413"	8.00"	0.87"	1.26"	56.9	521436	495.00	247.50
CT50	ER32	0.078-0.787"	4.00"	1.34"	1.97"	169.5	521454	347.70	173.85
CT50	ER32	0.078-0.787"	6.00"	1.34"	1.97"	169.5	521456	402.40	201.20
CT50	ER32	0.078-0.787"	8.00"	1.34"	1.97"	169.5	521458	479.80	239.90

** Hex Nut

GS-ADX-160G
Precision Milling Machine Vise

NEW AND IMPROVED

See page 5

$676.43

CAT Taper Starter Packages

CAT40 **$1,535.40**

CAT50 **$1,719.66**

See page 7

Super HSCO T15 Spade Blades

Sowa

Full size range available, 9.5mm (0.3740") to 2-9/16" (2.5625")

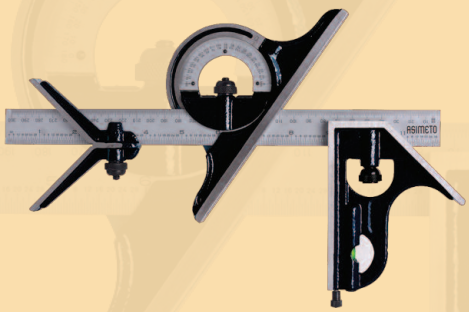
- TiN or TiAlN coated

As Low As **$21.84**

See page 3

4pc Combination Square Sets

ASIMETO



Starting At **$126.56**

See page 7

Warehouse Overstock

Wide Range Of Products Marked Down To Move

See pages 10-11

TABLE OF CONTENTS

Cutting Tools.....Pages 2-4

Machine Tool Accessories.....Pages 1, 4-7, 12

Precision Tools..... Pages 7-8

Shop Supplies.....Page 9

Warehouse Overstock..... Pages 10-11

Indexable Chamfer Tools

SSANGYONG

- Designed for large chamfers and countersinking
- 1" Shank
- 2 flutes

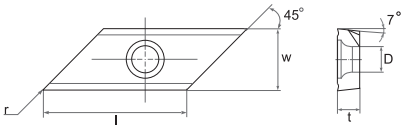
Model	Angle	Dia. Range	Max Depth	Code No.	Reg. Price $	SALE $
CSC05031R-41-A	82º	6-42.9mm	21.8mm	149096	377.00	301.60
CSC05031R-45-A	90º	6-46.9mm	21.0mm	149097	377.00	301.60

Inserts

SCW200 - TiN coated carbide grade for heavier duty applications

SCW300 - TiAlN coated carbide for higher speed applications

SCW200



SCW300

(mm)

Model	l	w	t	D	r	Code No.	Reg. Price $	SALE $
XCET310404 ER-SCW200	22	12.7	4.5	5.6	0.4	149094	94.00	61.10
XCET310404 ER-SCW300	22	12.7	4.5	5.6	0.4	149095	107.50	69.88

HSS TiAlN Tip Jobber Drills

SOWA

These Premium HSS drills can be used in a variety of applications. Their surface treatment increases abrasion resistance, which reduces the amount of chip welding and improves chip flow.

- A stronger self repairing coating leading to longer tool life compared to TiN coating
- 50% more holes drilled compared to TiN tip, 200% more holes compared to bright finish
- 118º split point

Size	Decimal Equiv.	Flute. Length	O.A.L.	Code No.	Reg. Price $	SALE $
1/16	0.0625	13/16	1-3/4	127001	1.30	0.91
5/64	0.0781	1"	1-15/16	127002	1.30	0.91
3/32	0.0938	1-3/16	2-1/4	127003	1.40	0.98
7/64	0.1094	1-5/16	2-7/16	127004	1.90	1.33
1/8	0.1250	1-7/16	2-9/16	127005	2.10	1.47
9/64	0.1406	1-9/16	2-13/16	127006	2.30	1.61
5/32	0.1562	1-3/4	3"	127007	2.50	1.75
11/64	0.1719	1-7/8	3-3/16	127008	2.60	1.82
3/16	0.1875	2-1/16	3-7/16	127009	2.70	1.89
13/64	0.2031	2-1/16	3-7/16	127010	3.20	2.24
7/32	0.2188	2-1/4	3-11/16	127011	3.40	2.38
15/64	0.2344	2-1/4	3-11/16	127012	4.00	2.80
1/4	0.2500	2-1/2	4"	127013	4.20	2.94
17/64	0.2656	2-3/4	4-5/16	127014	4.60	3.22
9/32	0.2812	2-3/4	4-5/16	127015	5.20	3.64
19/64	0.2969	3"	4-5/8	127016	5.80	4.06
5/16	0.3125	3"	4-5/8	127017	6.10	4.27
21/64	0.3281	3"	4-5/8	127018	6.80	4.76
11/32	0.3438	3-1/4	4-15/16	127019	7.70	5.39
23/64	0.3594	3-1/4	4-15/16	127020	8.30	5.81
3/8	0.3750	3-7/16	5-1/4	127021	8.50	5.95
25/64	0.3906	3-7/16	5-1/4	127022	9.60	6.72
13/32	0.4062	3-7/16	5-1/4	127023	10.00	7.00
27/64	0.4219	3-3/4	5-5/8	127024	10.80	7.56
7/16	0.4375	3-3/4	5-5/8	127025	11.80	8.26
29/64	0.4531	3-3/4	5-5/8	127026	12.70	8.89
15/32	0.4688	4"	6"	127027	13.40	9.38
31/64	0.4844	4"	6"	127028	14.40	10.08
1/2	0.5000	4"	6"	127029	14.90	10.43

Letter & Wire Gauge sizes also on promo from stock. See page B10 of our Catalogue.

- 1/16" - 1/2" x 64ths
- 29 pieces

Code#: 127050
Reg. Price: $197.20

$138.04

8pc Solid Carbide Double Cut Burr Sets

STM

1/8" Shank
- 1/4" Cylindrical - Square, End Cut
- 1/4" Cylindrical - Square
- 1/4" Cylindrical - Radius
- 1/4" Ball Shape
- 3/16" Ball Shape
- 1/4" Tree - Radius End
- 1/4" Tree - Pointed End
- 1/4" Taper with Radius End

1/4" Shank
- 1/2" Tree-Radius
- 3/8" Tree-Radius
- 1/2" Ball Shape
- 3/8" Ball Shape
- 3/8" Cylindrical-Radius
- 1/4" Cylindrical-Radius
- 1/2" Cylindrical-Square
- 3/8" Cylindrical-Square

Description	Code No.	Reg. Price $	SALE $
1/8" shank	172984	150.80	98.02
1/4" shank	172986	277.40	180.31

Deburring Sets

NOGA SIMPLY SOPHISTICATED

Promo "N" Set - NG8000

For Steel, Aluminum, & Plastic
Contains: Noga Grip 2 handle &
10pcs N1 blades

Model	Code No.	Reg. Price $	SALE $
NG8000	165474	22.90	19.47

"N" Cobalt Set - NG8100

For Plastic & Hard Materials
Contains: Noga Grip 2 handle &
20 pcs N10 Cobalt blades

Model	Code No.	Reg. Price $	SALE $
NG8100	165466	48.70	41.40

Promo "S" Set - NG8150

For Steel, Aluminum, & Plastic
Contains: Noga Grip 1 handle &
10pcs S10 blades

Model	Code No.	Reg. Price $	SALE $
NG8150	165464	24.90	21.17

"S" Golden Set - NG8152 TiN

For Abrasive Materials
Contains: Noga Grip 1 handle &
10pcs S10 TiN Coated blades

Model	Code No.	Reg. Price $	SALE $
NG8152	165460	39.30	33.41

"N" Economy Set - NG8050

For Steel, Aluminum, & Plastic
Contains: Noga Grip handle &
20pcs N1 blades

Model	Code No.	Reg. Price $	SALE $
NG8050	165478	34.70	29.50

"N" Golden Set - NG8002 TiN

For Steel, Aluminum, & Plastic
Contains: Noga Grip Handle
10 N1 TiN Coated blades

Model	Code No.	Reg. Price $	SALE $
NG8002	165465	32.30	27.46

Carbide Tipped Boring Bar Set - C6

QUALITY IMPORT

These bars are made of extra heavy construction ensuring that more steel is behind the cutting face for chatter-free and heavier cuts.

- Extra heavy construction - 100% longer tool life
- All shanks ground to +0.0" - 0.0010"
- Designed so that the same bar can bore flat bottomed holes or face

Shank Size	Pieces per Set	Code No.	Reg. Price $	SALE $
3/4	12	140950	95.60	66.92

5pc Chatterfree HSS Countersink Set

stm

- High Speed Steel

Point Angle	Contents	Code No.	Reg. Price $	SALE $
82°	Sizes 0, 1, 2, 3, 4	121035	210.60	189.54

Super HSCO (T15) Spade Drill Blades

Jowa

For drilling in High Alloy & exotic materials, T15 may also be used in general purpose applications where increased speeds and enhanced wear resistance is required.

Series Min. to Max	Diameter Inch Metric	Diameter Decimal (in.)	TIN Coated Code No.	Reg. Price $	SALE $	TIALN Coated Code No.	Reg. Price $	SALE $
	33/64"	0.5156"	162018	44.80	31.36	162198	53.80	37.66
0	17/32"	0.5313"	162020	44.80	31.36	162200	53.80	37.66
0.511"	9/16"	0.5625"	162022	44.80	31.36	162204	53.80	37.66
to 0.695"	37/64"	0.5781"	162024	44.80	31.36	162206	53.80	37.66
(1/8")	41/64"	0.6406"	162029	44.80	31.36	162211	53.80	37.66
Thick	21/32"	0.6563"	162030	44.80	31.36	162212	53.80	37.66
	43/64"	0.6719"	162031	44.80	31.36	162213	53.80	37.66
	45/64"	0.7031"	162036	50.50	35.35	162218	59.80	41.86
1	23/32"	0.7188"	162038	50.50	35.35	162220	59.80	41.86
0.690"	18.5mm	0.7283"	162674	50.50	35.35	162744	59.80	41.86
to 0.960"	3/4"	0.7500"	162042	50.50	35.35	162224	59.80	41.86
(5/32")	49/64"	0.7656"	162044	50.50	35.35	162226	59.80	41.86
Thick	13/16"	0.8125"	162048	50.50	35.35	162230	59.80	41.86
	15/16"	0.9375"	162058	50.50	35.35	162240	59.80	41.86
	31/32"	0.9688"	162062	59.40	41.58	162244	70.50	49.35
2	1-1/32"	1.0313"	162070	59.40	41.58	162252	70.50	49.35
0.961"	27mm	1.0630"	162073	59.40	41.58	162255	70.50	49.35
to1.380"	1-1/8"	1.1250"	162076	59.40	41.58	162258	70.50	49.35
(3/16")	1-5/32"	1.1563"	162078	59.40	41.58	162260	70.50	49.35
Thick	1-3/16"	1.1875"	162080	59.40	41.58	162262	70.50	49.35

Full size range on promotion, see page B55 of our Catalogue.

Corner Rounding End Mills

- High Speed Steel

Radius	Shank Dia.	Max Dia.	Code No.	Reg. Price $	SALE $
1/16"	3/8"	7/16"	136750	19.20	13.44
3/32"	3/8"	1/2"	136751	19.20	13.44
1/8"	1/2"	5/8"	136752	28.30	19.81
5/32"	1/2"	3/4"	136753	89.20	62.44
3/16"	1/2"	7/8"	136754	44.70	31.29
1/4"	1/2"	1"	136756	58.00	40.60
1/4"	3/4"	1"	136757	52.40	36.68
5/16"	1/2"	1-1/8"	136758	139.10	97.37
3/8"	1/2"	1-1/4"	136760	89.30	62.51
3/8"	7/8"	1-1/4"	136761	42.70	29.89
7/16"	3/4"	1-3/8"	136762	58.90	41.23
7/16"	1"	1-3/8"	136748	222.60	155.82
1/2"	1"	1-1/2"	136763	145.20	101.64
5/8"	3/4"	1-15/16"	136765	213.00	149.10
3/4"	3/4"	1-7/8"	136767	150.00	105.00

PRO Part-Off Kits

Consists of:
1 - PP-B Part-Off Blade
10 - SP 300/400 Inserts (Coated)
1 - SW15S Wrench

Kit Contents	Insert	Code No.	Reg. Price $	SALE $
PP-B326S 1" Blade (146232)	SP300 PT30C	149835	310.80	233.10
PP-B332S 1-1/4" Blade (146898)	SP300 PT30C	149836	310.80	233.10
PP-B432S 1-1/4" Blade (146454)	SP400 PT30C	147441	321.60	241.20

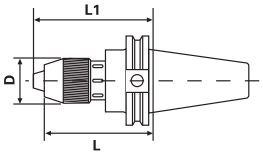
MCLNR Turning Kits

Consists of:
1 - MCLNR Toolholder
10 - CNMG/A 432 Inserts (Coated)

Application	Contents	Code No.	Reg. Price $	SALE $
Finishing (Steel)	1 - MCLNR16-4D (145828)	149348	265.00	198.75
	10 - CNMG432-F2 PT15C (149390)			
Med/Finish (Steel)	1 - MCLNR16-4D (145828)	149374	265.00	198.75
	10 - CNMG432-MM PT25C (149256)			
Medium (Cast Iron)	1 - MCLNR16-4D (145828)	148804	310.90	233.18
	10 - CNMA432 KT10C (147473)			

Integral Keyless Drill Chucks

These chucks provide exceptionally high torque - up to three times the gripping strength of conventional drill chuck / taper holder combinations. The design eliminates any possibility of chuck / holder misalignment, and it assures separation safety
- High precision, premium tolerance
- The jaws feature a TiN coated surface treatment to assure durability.



Taper	Cap.	L	L1	D	Code No.	Reg. Price $	SALE $
CT40	1/4"	2.559"	2.795"	1.3"	531480	298.60	170.20
CT40	1/2"	4.527"	4.992"	1.97"	531482	322.30	183.71
CT40	5/8"	4.724"	5.236"	2.24"	531483	531.70	303.07
CT50	1/2"	3.54"	3.996"	1.97"	531484	414.70	236.38
CT50	5/8"	3.7"	4.134"	2.24"	531485	767.00	437.19
BT30	1/4"	3.15"	3.38"	1.3"	532210	343.00	195.51
BT30	1/2"	3.55"	4.02"	1.97"	532212	315.30	179.72
BT40	1/4"	2.95"	3.19"	1.3"	532214	357.20	203.60
BT40	1/2"	3.74"	4.18"	1.97"	532216	392.90	223.95
BT50	5/8"	5.12"	5.59"	2.24"	532219	529.20	301.64

Super Precision Keyless Drill Chucks

Keyless chucks are engineered to quickly loosen and tighten a tool on the chuck collar of the drill, either by manual operation or when torque is applied. Rotating the chuck collar in a counterclockwise direction will loosen the tool.
- High precision, premium tolerance
- The jaws feature a TiN coated surface treatment to assure durability.

Model	Capacity	Mount	Code No.	Reg. Price $	SALE $
6XH	1/64-1/4	JT1	536524	184.20	128.94
6XH	1/64-1/4	3/8" -24	536526	118.90	83.23
10XH	1/64-3/8	JT33	536530	152.10	106.47
13XH	1/64-1/2	JT6	536534	186.80	130.76
13XH	1/64-1/2	JT33	536536	183.50	128.45
13XH	1/64-1/2	1/2" -20	536538	118.00	82.60
16XH	1/8-5/8	JT6	536540	204.80	143.36
16XH	1/8-5/8	JT33	536542	192.50	134.75

CNC Tool Trolleys

Complete Tool Trolley with 4 Tool Trays and Inserts.
- Trays bolt in
- (W)1002mm x (D)650mm x (H)830mm
- Weight: 51kgs

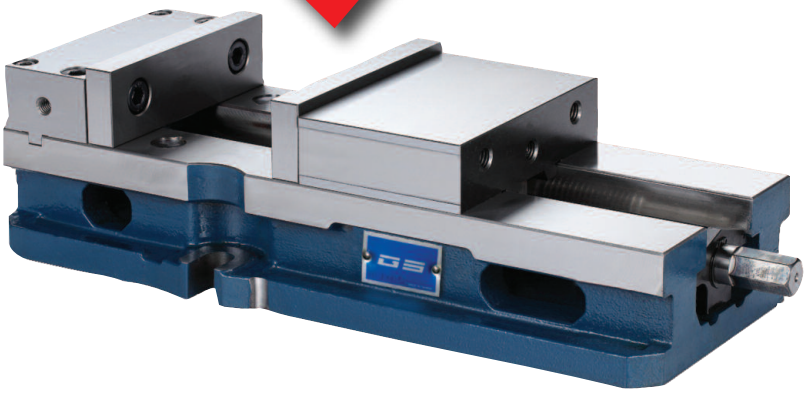
Taper	Includes	Inserts per Tray	Code No.	Reg. Price $	SALE $
40	4 trays hold 28 inserts	7	326985	1,065.20	745.64
50	4 trays hold 20 inserts	5	326995	1,065.20	745.64

GS-ADX-160G Precision Milling Machine Vise

The GS-ADX-160G replaces our very popular 327290M vise. It has been redesigned with new state-of-the-art workholding features.

- Jaw opening increased from 8.8" to 9.13"
- Same bed height as our 327290M: 2.875" ±0.0005"
- Narrower body style to allow more vises on a machine table
- The bearing pack has been relocated to help reduce oil / water / chip leakage into the vise body, thus improving the life time
- The thrust bearings have been replaced with ball bearings to make the pack stronger and more stable
- Same distance from the keyway to stationary as the 327290M
- ADX-160G weighs 68 lbs. vs. 80 lbs for the 327290M
- Spindle does not protrude past the end of the body
- Spherical segment creates all-directional alignment and reduces jaw lift for improved performance
- New brush seal design
- Perpendicularity (running face and jaw plate): 0.0004"
- Parallelism (running face to bottom of bed): 0.0006"
- Material: FCD-60 (80,000psi)
- New stationary jaw: 4 bolt stationary design reduces lift
- Pull-Type design: Reduces stress on body during clamping
- Chip evacuation: Straight through the body on sides and ends. Locations strategically chosen to not reduce body strength

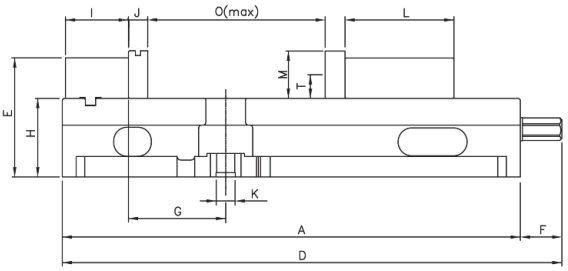
NEW AND IMPROVED

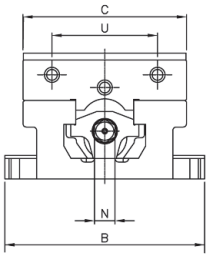


Code#: 327320

Reg. Price: $795.80

$676.43

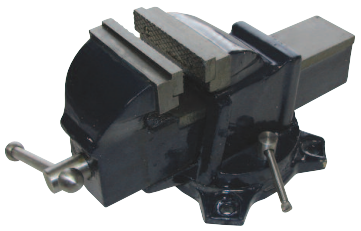




COMPARE	GS-ADX-160G DIMENSIONS																	mm/kg
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	T	U	Weight
GS-ADX-160G	427	186	151	466	111.025	39	90.53	73.025	58.7	18.42	17.46	101.6	44.5	19	231	23.8	98.4	31kg
Competitor	427	187.73	151	466	110.74	39	91.74	73.025	58.7	18.42	16.66	101.6	44.07	19	230.6	23.9	98.4	35.5kg

Bench Vise With Swivel

- Steel serrated jaws
- Heavy duty cast iron body



Jaw Size	Code No.	Reg. Price $	SALE $
6"	326795	187.90	154.08

3-Way Angle Milling Vise

- Operation is smooth and easy
- Swivel base is scaled in 360°
- Each base can be fixed by four special bolts
- Precision angle setting is scaled in all directions
- Moveable part touches the bore in V-shape and is adjustable
- Upper angle setting base can incline from the horizontal position to the vertical position

Model	Jaw Width	Jaw Opening	Jaw Height	Weight	Code No.	Reg. Price $	SALE $
KAV-100	106mm	105mm	38mm	32kg	326102	1,022.10	766.58

Modular Vise & Clamping Kit Combo

6" x 12" Plain Base Modular Vise

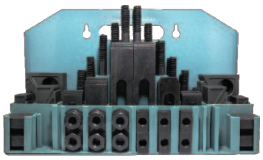
Features/Benefits:
- High accuracy
- Unlimited clamping range
- High quality alloy steel
- High clamping pressure
- No jaw lift
- All vises are matched
- Jaw Width: 6"
- Opening: 12"
- Jaw Height: 1.97"

382017
List: $1,408.00

+

5/8" Clamping Kit

Contains:
- 24 1/2-13 Studs 4 each 3, 4, 5, 6, 7, 8" lengths
- 6 T-slot nuts
- 6 Flange nuts
- 4 Coupling nuts
- 6 1" Thick Step blocks
- 6 Serrated end clamps
- 1 T-slot cleaner
- 1 Metal holder



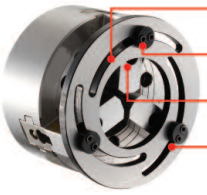
333550
List: $143.60

Code#: 500348
Reg. Price: $1,551.60

$1,318.86

Soft Jaw Forming Rings

The forming ring is used for cutting soft jaws by clamping and extending the thru hole to increase the accuracy of clamping the workpiece



- The size can be adjusted against the helical slot.
- Pin can be rotated 180° to extend the clamping range.
- No need to drill new hole. The hole on the soft jaw can be used directly for pin
- Hardened and ground steel for durability

Model	For Chuck Diameter	Weight	Code No.	Reg. Price $	SALE $
VFR-05	5"	1.0 kg	326250	367.40	275.55
VFR-06	6"	1.5 kg	326255	513.00	384.75
VFR-08	8"	2.4 kg	326260	590.50	442.88
VFR-10	10"	3.2 kg	326265	621.80	466.35
VFR-12	12"	5.0 kg	326270	932.50	699.38

CAT Taper Shrink Fit Tooling w/ 4 Coolant Ports

- 4 Coolant ports in the nose
- With threaded holes for balancing
- Pre-Balanced G2.5 up to 30,000 rpm
- For maximum gripping power with exceptional concentricity.
- Concentricity of ≤0.0001" with tool shrunk in holder.
- Tool is gripped 360° along the entire length of bore resulting in an evenly distributed clamping force.

HOT DEAL!

NEW

Taper	Hole Diameter	Gauge Length	Code No.	Reg. Price $	SALE $
CAT40	1/8"	3.15"	541838	389.50	272.65
CAT40	3/16"	3.15"	541840	389.50	272.65
CAT40	1/4"	3.15"	541842	389.50	272.65
CAT40	1/4"	6.30"	541844	458.80	321.16
CAT40	5/16"	3.15"	541846	389.50	272.65
CAT40	5/16"	6.30"	541848	458.80	321.16
CAT40	3/8"	3.15"	541850	389.50	272.65
CAT40	3/8"	6.30"	541852	458.80	321.16
CAT40	1/2"	3.15"	541854	389.50	272.65
CAT40	1/2"	6.30"	541856	458.80	321.16
CAT40	5/8"	3.15"	541858	389.50	272.65
CAT40	3/4"	3.15"	541862	389.50	272.65
CAT40	3/4"	6.30"	541864	458.80	321.16
CAT40	1"	3.94"	541866	389.50	272.65
CAT40	1"	6.30"	541868	458.80	321.16
CAT40	1-1/4"	3.94"	541870	389.50	272.65
CAT40	1-1/4"	6.30"	541872	568.30	397.81
CAT50	1/4"	3.15"	541932	363.20	254.24
CAT50	1/4"	6.30"	541934	568.30	397.81
CAT50	5/16"	3.15"	541936	363.20	254.24
CAT50	3/8"	3.15"	541940	424.20	296.94
CAT50	3/8"	6.30"	541942	568.30	397.81
CAT50	1/2"	3.15"	541944	424.20	296.94
CAT50	1/2"	6.30"	541946	568.30	397.81
CAT50	5/8"	3.15"	541948	424.20	296.94
CAT50	5/8"	6.30"	541950	659.80	461.86
CAT50	3/4"	3.15"	541952	486.50	340.55
CAT50	3/4"	6.30"	541954	607.10	424.97
CAT50	1"	3.94"	541956	486.50	340.55
CAT50	1"	6.30"	541958	621.00	434.70
CAT50	1-1/4"	3.94"	541960	486.50	340.55

Metric sizes also on promotion, see flyer on SowaTool.com

High Performance Live Centres

NEW

- Each GS live centre uses either a 3, 4, or 5 bearing system providing superior performance and tool life
- A special coating process for the lip seal contact area offers a higher sealing ability and reduces rotational friction
- Designed to prevent excessive heat even when rotating at maximum RPM, extending tool life
- Every GS centre has passed at least 4 different accuracy tests to ensure the highest quality

CNC HIGH SPEED LIVE CENTRES

MT	Max RPM	Weight	Max Runout	Code No.	Reg. Price $	SALE $
2	5,000	1.54 lb	0.0001"	311011	588.60	412.02
3	5,000	1.73 lb	0.0001"	311012	588.60	412.02
4	3,800	4.06 lb	0.0001"	311013	766.40	536.48
5	3,000	9.30 lb	0.0001"	311014	1,056.20	739.34

INTERCHANGEABLE POINTS LIVE CENTRES

Every centre comes with "H" insert

MT	Max RPM	Weight	Max Runout	Code No.	Reg. Price $	SALE $
3	5,000	1.76 lb	0.0002"	311020	808.60	566.02
4	3,800	3.74 lb	0.0002"	311021	1,215.40	850.78
5	3,000	8.58 lb	0.0002"	311022	1,301.90	911.33

Call for other available points

CAT Taper Starter Packages

- CAT40 Balanced to G2.5 at 30,000 rpm
- CAT50 Balanced to G2.5 at 25,000 rpm
- 100% Forged Construction
- Precision Ground Throughout
- DIN Coolant Thru The Flange - Standard

CAT40 PACKAGE $1,535.40
PLUS TROLLEY **REG LIST $2,559.00**

Promo # 500789

Code No.	Qty.	Description	
531002	1 pc.	CAT40 1/4" x 2.50"	End Mill Holder
531014	1 pc.	CAT40 3/8" x 2.50"	End Mill Holder
531026	1 pc.	CAT40 1/2" x 2.50"	End Mill Holder
531042	1 pc.	CAT40 3/4" x 3.00"	End Mill Holder
531056	1 pc.	CAT40 1" x 4.00"	End Mill Holder
531196	1 pc.	CAT40 1" x 1.75"	Shell Mill Holder
531421	2 pcs.	CAT40 ER32 x 2.5"	Collet Chucks
326985	1 pc.	4 trays = 28 inserts	Trolley

CAT50 PACKAGE $1,719.66
PLUS TROLLEY **REG LIST $2,866.10**

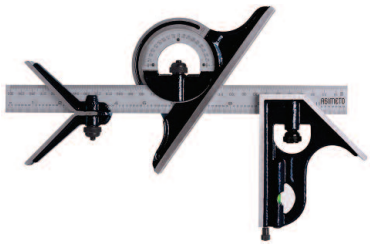
Promo # 500790

Code No.	Qty.	Description	
531120	1 pc.	CAT50 1/2" x 4.00"	End Mill Holder
531130	1 pc.	CAT50 5/8" x 4.00"	End Mill Holder
531140	1 pc.	CAT50 3/4" x 4.00"	End Mill Holder
531154	1 pc.	CAT50 1" x 4.00"	End Mill Holder
531162	1 pc.	CAT50 1-1/4" x 4.00"	End Mill Holder
531224	1 pc.	CAT50 1-1/4" x 1.75"	Shell Mill Holder
531454	2 pcs.	CAT50 ER32 x 4.00"	Collet Chucks
326995	1 pc.	4 trays = 20 inserts	Trolley

Combination Square Sets

ASIMETO

- Graduations:
  Protractor: 1°
  Blades: 1mm, 64ths, 32nds, 0.5mm (E/M)
  8ths, 16ths, 32nds, 64ths (4R)
- Blades are hardened and tempered for durability
- Micro-fine blade graduations
- Gauge heads are hardened cast finished in baked enamel with exception of the measurement faces



Description	Blade Length	Code No.	Reg. Price $	SALE $
4 pc Set (E/M ruler)	12"/300mm	7490208	180.80	126.56
4 pc Set (4R ruler)	12"	7490218	180.80	126.56

Single Beam Digital Height Gauges With Hand Wheel

- Resolution: 0.0005" / 0.01mm
- Large LCD display
- Hand wheel design for fine adjustment
- Inch/Metric conversion at any position
- Zero setting on any position
- Carbide tipped scriber provided
- Manual power On/Off

ASIMETO

Range	Accuracy	Code No.	Reg. Price $	SALE $
0-12"	±0.0015"	7626120	568.90	398.23
0-18"	±0.0015"	7626180	776.70	543.69
0-24"	±0.0020"	7626240	887.60	621.32

Bevel Steel Squares

ASIMETO

- Made of precision ground hardened Stainless Steel
- Accuracy according to DIN875

Inch Size	Metric Size	Squareness	Code No.	Reg. Price $	SALE $
3" x 2"	75 x 50mm	00	7639220	62.00	43.40
4" x 2.75"	100 x 70mm	00	7639230	71.40	49.98
6" x 4"	150 x 100mm	00	7639240	118.40	82.88
8" x 5"	200 x 130mm	00	7639250	151.80	106.26

Inch/Metric Thread Pitch Gauge

ASIMETO

- Each individual leaf is stamped with the thread pitch size
- Includes 0.4 - 7mm & 4 - 42 TPI

Code No.: 7605508
Reg. Price: $26.40

$18.48

Outside Micrometers

- Deluxe heat insulated forged steel frame up to 4"
- Chrome clad
- Complete with standards (2" and up)
- Carbide faces
- Ratchet stop for exact and repetitive reading
- Fitted case

Range	Graduation	Code No.	Reg. Price $	SALE $
0-1"	0.0001"	200570	38.80	29.10
1-2"	0.0001"	200572	43.30	32.48
2-3"	0.0001"	200574	48.10	36.08
3-4"	0.0001"	200576	54.40	40.80

Sets

Range	Graduation	Code No.	Reg. Price $	SALE $
0-3"	0.0001"	200578	113.70	85.28
0-4"	0.0001"	200094	295.90	221.93

Micrometer Stand

- Cast iron

Code#: 200500
Reg. Price: $37.60
$18.80

Magnetic Base & Dial Test Indicator Set

NOGA — Made in Israel

Noga DG1003 Magnetic Base
- 11" reach
- Noga central locking mechanism and Noga designed spring loaded bearing
- Powerful (80kgf) On/Off magnetic base

Code# 165350

Asimeto Dial Test Indicator
- Graduation: 0.0005"
- Range: 0.03"
- Dial Reading: 0-15-0
- Accuracy: ±0.0005"
- Horizontal style
- Jeweled bearings
- Easy to read yellow face
- 3/8" and 8mm dovetail stems included

Code# 7501733

Code#: 500124
Reg. Price: $358.90
$269.18

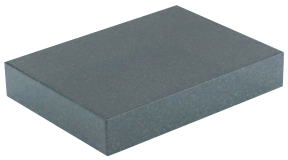
18" Height Gauge & Surface Plate

18" Height Gauge
- Graduation: Inch: 0.001"/Metric: 0.01mm
- Dial & digit counter reading
- Carbide tipped scriber
- Range: 0-18"
- Accuracy: ±.002"

Code# 7623181

Granite Surface Plate
Compressive Strength 7329 lbs. / in²
Water Absorptivity 0.13%
- 24" x 36" x 4" No Ledge
- Grade B - Tool Room
- 475 lbs

Code# 255140



Code#: 500845
Reg. Price: $1,185.20
$888.90

Centering Indicator

- Graduation 0.0005" / 0.01mm
- Provides a simplified method of centering a work piece or fixture on horizontal for vertical machines, internal or external diameters. Face of indicator remains stationary in any desired position while the machine spindle rotates, leaving the operator with both hands free to accurately position the machine table
- Shank Dia.: 3/8" / 10mm
- Operating speed not to exceed 800rpm
- Range
  Internal: 5/32" - 12"/ 4 - 300mm
  External: Up to 12"/ 300mm

Dial Range	Accuracy	Code No.	Reg. Price $	SALE $
0-0.15"	±0.0002"	7469008	255.90	179.13

Precision Parallel Set

- Hardened and ground high grade alloy steel
- Hardness 52-58 HRC
- 6" length
- Absolute heights are nominal
- Parallelism: ±0.0002"
- Paired accuracy: ±0.0002"
- Width accuracy: ±0.0008"
- Length accuracy: ±0.0006"

Description	Thickness	Code No.	Reg. Price $	SALE $
10 Pairs - 1/2" - 5/8" x 1/8" increments	1/8"	7607100	117.50	82.25

12" Hacksaw

A rugged heavy-duty industrial quality hacksaw designed for the professional.
- Strong aluminum die cast handle
- Guarded grip design
- Comes complete with a 12" chrome steel hacksaw blade

Model	O.A.L.	Bow Depth	Code No.	Reg. Price $	SALE $
HF/12/BC	17-5/16"	4"	231370	30.50	19.83

Bi-Metal Unique Hack Saw Blades

Features:
- High Speed Steel Edge
- Safe Flex
- Heavy duty
- Longer cutting performance

Length	Width	Thickness	Teeth Per Inch	Code No.	Reg. Price $	SALE $
12"	1/2"	0.025"	18	629159	2.77	2.49
12"	1/2"	0.025"	24	629160	2.77	2.49
12"	1/2"	0.025"	32	629161	2.77	2.49

1/4" 90° Die Grinder Kit (w/ throttle lever)

Contains:
- 1 pc. TP-1014 Grinder (25,000 rpm)
- 1 pc. 1/8" (3 mm) collet
- 1 pc. 1/4" (6 mm) collet
- 2 pcs. spanners
- 5 pcs. 1/4" (6 mm) shank grinding stones
- 5 pcs. 1/8" (3 mm) shank grinding stones

Code#: 174006 **$107.58**
Reg. Price: $165.50

Polyurethane Hammers

- Steel structure containing steel shot
- Main body made from polyurethane resin, the handle from soft quality TPR

Model	Head Diameter	O.A.L.	Code No.	Reg. Price $	SALE $
VHM-46	46mm	306mm	231462	46.30	32.41
VHM-50	50mm	340mm	231464	57.70	40.39

Touch Point Sensor With Beeper

Model No. VPS-3/4B
- Unit will sound at the same time when the red lamp lights up
- Accuracy: ± 0.005 mm

Shank Dia.	Ball Dia.	O.A.L.	Code No.	Reg. Price $	SALE $
3/4"	0.629"	6.18"	337962	250.70	175.49

Welding Starter Package

Includes:
- WH40 Variable ADF Welding Helmet (Kimberley-Clark)
- Replacement Lens Kit (5 Front, 2 Rear Plates)
- Multiple-Purpose MIG Pliers (Weld Mate)
- Flame Retardant Jacket (Weld Mate)
- Welding Chipping Hammer 500g All Steel FG Handle
- Carbon Steel Wire Brush
- 2 pair Cow Split Leather Welders Gloves Gray Long Cuff
- Virtua Sport Clear Safety Glasses

Code#: 500349 **$231.78**

Machinists' Chest

Model 520
7 Drawer – Drawers and top compartment are felt lined. Front panel covers drawers, stores in base. Has top carry handle.
- 6 drawer dividers
- 20-1/8" (W) x 8-1/2" (D) x 13-5/8" (H)
- Brown
- Weight: 28 lb

Code No.: 609601 **$701.82**
Reg. Price: $779.80

Inch/Metric Ball End Hex Key Double Pack

Both 10937 & 10999 in one pack.
- 10937: 13pcs 0.050" - 3/8" Long series
- 10999: 9pcs 1.5 - 10mm Long series
- Ball end inserts into screw at a 25° angle
- Works in hard to reach places

Model	Code No.	Reg. Price $	SALE $
20199	619041	58.76	52.88

Air Blow Gun

BG25013 Features:
- 13" bent steel nozzle
- Recommended air pressure: 75-120 psi
- Max 150 psi
- Air inlet: 1/4"

Code#: 174070 **$23.30**

Red Ring P-HSS Taps

P-HSS - Powdered Metal

Powdered Metal taps offer superior toughness and lubricity and are made of premium-grade, super hard powder high speed steel. These taps have a special geometry for tougher applications.

- Used for heat resistant materials, titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloys
- Up to 48 HRC

Spiral Point

Tap	No. Flutes	Thread Limits	Overall Length	Thread Length	Code No.	Reg. Price $	SALE $
4-40	2	H2	1-7/8"	0.433"	124100	25.60	12.80
5-40	3	H2	1-15/16"	0.433"	124105	25.60	12.80
8-32	3	H3	2-1/8"	0.512"	124115	21.40	10.70
10-24	3	H3	2-3/8"	0.512"	124120	21.90	10.95
10-32	3	H3	2-3/8"	0.512"	124125	21.90	10.95
1/4-20	3	H3	2-1/2"	0.630"	124130	28.30	14.15
5/16-24	3	H3	2-23/32"	0.748"	124145	30.80	15.40
3/8-16	3	H3	2-15/16"	0.748"	124150	34.80	17.40
3/8-24	3	H3	2-15/16"	0.748"	124155	34.80	17.40
7/16-20	3	H3	3-5/32"	0.866"	124165	44.90	22.45
1/2-13	3	H3	3-3/8"	0.945"	124170	52.30	26.15
1/2-20	3	H3	3-3/8"	0.945"	124175	52.30	26.15
5/8-11	3	H3	3-13/16"	1.102"	124180	86.60	43.30
3/4-10	4	H3	4-1/4"	1.220"	124190	136.60	68.30

Spiral Flute

Tap	No. Flutes	Thread Limits	Overall Length	Thread Length	Code No.	Reg. Price $	SALE $
4-40	2	H2	1-7/8"	0.250"	124250	33.90	16.95
6-32	3	H3	2"	0.313"	124255	27.80	13.90
8-32	3	H3	2-1/8"	0.313"	124260	27.80	13.90
10-24	3	H3	2-3/8"	0.417"	124265	28.50	14.25
10-32	3	H3	2-3/8"	0.417"	124270	28.50	14.25
1/4-20	3	H3	2-1/2"	0.500"	124275	31.30	15.65
1/4-28	3	H3	2-1/2"	0.500"	124280	31.30	15.65
5/16-18	3	H3	2-23/32"	0.556"	124285	34.80	17.40
5/16-24	3	H3	2-23/32"	0.556"	124290	34.80	17.40
3/8-16	3	H3	2-15/16"	0.625"	124295	38.70	19.35
3/8-24	3	H3	2-15/16"	0.625"	124300	38.70	19.35
7/16-14	3	H3	3-5/32"	0.714"	124305	47.90	23.95
7/16-20	3	H3	3-5/32"	0.714"	124310	47.90	23.95
1/2-13	3	H3	3-3/8"	0.769"	124315	56.20	28.10
1/2-20	3	H3	3-3/8"	0.769"	124320	56.20	28.10
5/8-11	4	H3	3-13/16"	0.909"	124325	106.80	53.40
5/8-18	4	H3	3-13/16"	0.909"	124330	106.80	53.40
3/4-10	4	H3	4-1/4"	1.000"	124335	136.60	68.30
3/4-16	4	H3	4-1/4"	1.000"	124340	136.60	68.30

Asimeto 5pc Precision Metrology Kit

Kit contains:

- 6" x 0.0005" Sylvac Digital Caliper (7301060)
- 0.03" x 0.0005" Dial Test Indicator (7501733)
- 1" x 0.001" AGD2 Dial Indicator (7402261)
- 0-1" x 0.0001" Outside Micrometer (7101013)
- Articulating Arm Magnetic Base (7602021)

Code No.: 7960161

Reg. Price: $681.00

$408.60

Carbide Turning Inserts - PT22C0 Grade

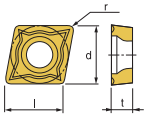
Chip Breakers

F3P - Intermittent cutting and cast iron machining. Good surface finish due to low cutting force. Suitable for both boring and outer diameter turning.

M1 - Wide available chip control range from medium-finishing to medium-roughing. Suitable for CNC machining.

Grade PT22C0

Improved coating provides increased resistance to wear, welding, and chipping. Also resistant to high temperature oxidation and plastic deformation.

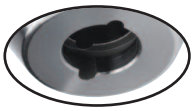


Designation	l	d	t	r	Code No.	Reg. Price $	SALE $
CCMT 32.51 F3P	0.382"	3/8"	5/32"	1/64"	145566	12.80	3.84
CNMG 432-M1	0.508"	1/2"	3/16"	1/32"	145563	15.10	4.53
WNMG 431-M1	0.343"	1/2"	3/16"	1/64"	145564	15.10	4.53

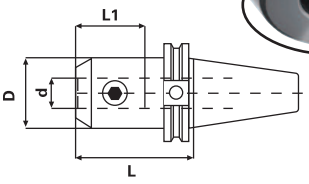
Direct Coolant End Mill Holders

NOW 3 COOLANT OPTIONS ALL IN ONE!

- Coolant thru the spindle
- DIN Coolant thru flange option
- Coolant thru the body
- Balanced to G2.5 at 30,000 rpm
- All Ground Body
- 100% Forged Construction



Complete with certificate



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	200.70	120.42
CT40	3/8"	5.00"	1.57"	1.00"	3/8-24	522036	224.80	134.88
CT50	1/4"	2.50"	1.18"	0.79"	1/4-28	522102	246.80	148.08
CT50	3/8"	2.50"	1.57"	1.00"	3/8-24	522118	246.80	148.08
CT50	5/8"	1.75"	1.77"	1.65"	9/16-18	522148	233.60	140.16
CT50	5/8"	3.00"	1.77"	1.65"	9/16-18	522150	270.20	162.12
CT50	3/4"	3.00"	2.76"	1.89"	5/8-18	522160	235.30	141.18
BT30	5/16"	2.36"	1.26"	0.87"	5/16-24	522220	138.20	82.92
BT30	3/4"	3.00"	1.77"	1.88"	5/8-18	522228	138.20	82.92
BT40	1/4"	4.00"	1.10"	0.79"	1/4-28	522246	209.10	125.46
BT40	3/8"	2.50"	1.57"	1.00"	3/8-24	522256	207.40	124.44
BT40	1/2"	2.50"	2.56"	1.38"	7/16-20	522264	209.10	125.46
BT40	3/4"	4.00"	2.56"	1.89"	5/8-18	522278	209.10	125.46

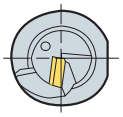
Reg. Length HSCO Roughing End Mills For Aluminum

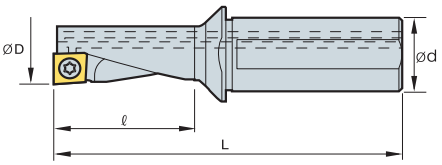
- High Speed Cobalt
- Bright finish
- 37° helix angle

Cutting Dia.	Shank Dia.	Flute Length	O.A.L.	Flutes	Code No.	Reg. Price $	SALE $
1/4"	3/8"	5/8"	2-7/16"	3	104052	50.90	30.54
5/16"	3/8"	3/4"	2-1/2"	3	104054	50.90	30.54
3/8"	3/8"	3/4"	2-1/2"	3	104056	50.90	30.54
1/2"	1/2"	1-1/4"	3-1/4"	3	104058	71.60	42.96
5/8"	5/8"	1-5/8"	3-3/4"	3	104060	85.30	51.18
3/4"	3/4"	1-5/8"	3-3/4"	3	104062	103.50	62.10

Combo Turning & Drilling Tools

Features
- Double coolant system
- Excellent chip evacuation and tool life
- Ideal flute design minimizing stress concentrations
- For External & Internal Turning, Facing, and Drilling

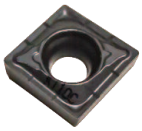




Designation	ØD	Ød	ℓ	L	Insert	Code No.	Reg. Price $	SALE $
CTD10R-2.25D	0.394"	0.472"	0.886"	2.736"	QCMT050204	147993	591.90	177.57
CTD12R-2.25D	0.472"	0.630"	1.063"	1.890"	QCMT060204	147243	610.10	183.03
CTD14R-2.25D	0.551"	0.630"	1.240"	3.287"	QCMT070304	147698	622.50	186.75
CTD16R-2.25D	0.630"	0.787"	1.417"	3.701"	QCMT080304	147008	635.20	190.56
CTD20R-2.25D	0.787"	0.984"	1.772"	4.370"	QCMT10T304	147061	747.40	224.22

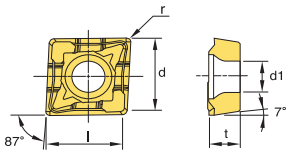
Inserts

- Excellent free cutting geometries for a variety of applications



PTM50P
- Excellent edge hardness
- High chipping and welding resistance
- Stainless steel, HRSA, steel, and interrupted cast-iron machining

KT10C
- High efficiency, general machining of cast-iron



Designation	Grade	l	d	t	r	d1	Code No.	Reg. Price $	SALE $
QCMT-050204-CM 10MM	PTM50P	0.197	0.213	0.038	0.016	0.091	147241	24.90	7.47
	KT10C	0.197	0.213	0.038	0.016	0.091	147242	24.90	7.47
QCMT-060204-CM 12MM	PTM50P	0.236	0.252	0.094	0.016	0.098	147436	24.90	7.47
	KT10C	0.236	0.252	0.094	0.016	0.098	147437	24.90	7.47
QCMT-070204-CM 14MM	PTM50P	0.276	0.291	0.125	0.016	0.110	146364	24.90	7.47
	KT10C	0.276	0.291	0.125	0.016	0.110	147007	24.90	7.47
QCMT-080204-CM 16MM	KT10C	0.315	0.331	0.125	0.016	0.134	147060	25.40	7.62
QCMT-10T304-CM 20MM	PTM50P	0.394	0.409	0.156	0.016	0.157	147472	29.90	8.97
	KT10C	0.394	0.409	0.156	0.016	0.157	147540	29.90	8.97

6" Versatile Vise

- 6" vise with 6-1/2" opening
- High accuracy vise for single station CNC centres specially designed to prevent workpiece lift
- 2 operating positions for Vertical Machine Centres: Upright & Lay Down
  1 operating position for Horizontal Machine Centres: Horizontal
- Bed height: 81mm ±0.012mm (3.189" ±0.0005")
- Material: FCD-60
- Weight: 31kg

Code No.: 382620
Reg. Price: $1,130.00
$960.50

Utility Knives

Description	Code No.	Reg. Price $	SALE $
Folding Cutter Knife	505010	9.60	2.88
Snap-Off Blade Utility Knife	505011	1.80	0.54

Roll Forged HSS Jobber Drills

An economic HSS drill used for drilling all non-alloy materials.
- 118° point
- Black oxide finish

Size	Code No.	Reg. Price $	SALE $
3/64"	119604	1.20	0.48
1/16"	119606	1.20	0.48
5/64"	119608	1.20	0.48
3/32"	119610	1.20	0.48
7/64"	119612	1.20	0.48
1/8"	119614	1.60	0.64
9/64"	119616	1.60	0.64
11/64"	119620	1.70	0.68
3/16"	119622	1.70	0.68
13/64"	119624	1.80	0.72
7/32"	119626	1.80	0.72
15/64"	119628	1.80	0.72
9/32"	119634	2.80	1.12
19/64"	119636	3.20	1.28
5/16"	119638	3.20	1.28
21/64"	119640	3.90	1.56
11/32"	119642	3.90	1.56
23/64"	119644	4.30	1.72
25/64"	119648	4.30	1.72
13/32"	119650	4.90	1.96
7/16"	119654	5.30	2.12
29/64"	119656	5.40	2.16
15/32"	119658	5.40	2.16

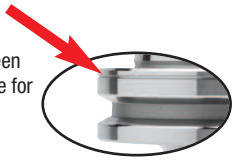
5pc Variable Helix 4 Flute Carbide End Mill Set

- Helix changes along flutes
- Increased stability during cutting action
- Substantial increase in speed
- Small corner radius for added strength and smoother cutting action
- AlTiN coated for improved tool life and increased production output
- Made from premium submicron grain carbide
- Contains: 3/16, 1/4, 5/16, 3/8, 1/2

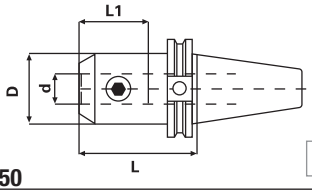
Code No.: 153005
Reg. Price: $318.30
$190.98

CAT Taper Dual Contact End Mill Holders

- Improves rigidity and reduces vibration allowing for increased feed rates and increased tool life.
- CAT40 balanced to G2.5 at 30,000 rpm
- CAT50 balanced to G2.5 at 25,000 rpm
- DIN Coolant option - standard
- All Ground Body
- 100% Forged Construction



Eliminates the gap between the flange and the spindle for increased rigidity



Complete with certificate

CAT40

Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
1/2"	2.50"	2.56"	1.38"	7/16-20	521026	186.80	93.40
1/2"	4.00"	2.56"	1.38"	7/16-20	521028	186.80	93.40
1/2"	5.00"	2.56"	1.38"	7/16-20	521030	206.50	103.25
5/8"	3.00"	3.50"	1.65"	9/16-18	521034	186.80	93.40
5/8"	5.50"	3.50"	1.65"	9/16-18	521038	199.90	99.95
3/4"	3.00"	3.86"	1.75"	5/8-18	521042	186.80	93.40
3/4"	4.00"	3.86"	1.75"	5/8-18	521044	186.80	93.40
3/4"	5.50"	3.86"	1.75"	5/8-18	521046	236.20	118.10
1"	2.00"	2.36"	2.36"	3/4-16	521054	185.30	92.65
1"	4.00"	4.21"	2.36"	3/4-16	521056	186.80	93.40
1"	6.00"	4.21"	2.36"	3/4-16	521058	258.80	129.40
1-1/4"	2.00"*	2.36"	2.25"	3/4-16	521060 ‡	202.50	101.25
1-1/4"	4.00"	3.54"	2.48"	3/4-16	521062	186.80	93.40
1-1/4"	6.00"	3.54"	2.48"	3/4-16	521064	286.80	143.40
1-1/2"	4.50"	2.95"	2.99"	3/4-16	521066	224.80	112.40

* Stubby Length

‡ Not DIN Coolant

CAT50

Hole Dia. (d)	Gauge Length (L)	L1	D	Set Screw	Code No.	Reg. Price $	SALE $
1/2"	4.00"	1.77"	1.38"	7/16-20	521120	253.60	126.80
1/2"	6.00"	1.77"	1.38"	7/16-20	521122	291.60	145.80
5/8"	4.00"	1.77"	1.65"	9/16-18	521130	249.40	124.70
5/8"	6.00"	1.77"	1.65"	9/16-18	521132	277.90	138.95
3/4"	3.00"	3.86"	1.89"	5/8-18	521138	217.20	108.60
3/4"	4.00"	3.86"	1.89"	5/8-18	521140	253.60	126.80
3/4"	6.00"	3.86"	1.89"	5/8-18	521142	286.80	143.40
1"	4.00"	4.21"	2.36"	3/4-16	521154	253.60	126.80
1"	6.00"	4.21"	2.36"	3/4-16	521156	258.80	129.40
1"	8.00"	4.21"	2.36"	3/4-16	521158	300.00	150.00
1-1/4"	4.00"	3.54"	2.48"	3/4-16	521162	261.20	130.60
1-1/4"	6.00"	3.54"	2.48"	3/4-16	521164	298.10	149.05
1-1/4"	8.00"	3.54"	2.48"	3/4-16	521166	343.20	171.60
1-1/2"	4.50"	3.15"	2.99"	3/4-16	521170	261.20	130.60
1-1/2"	7.00"	3.15"	2.99"	3/4-16	521172	431.20	215.60
2"	5.37"	4.13"	3.74"	1"-14	521178	324.50	162.25

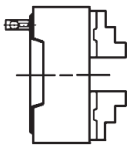
3-Jaw Precision Steel Body Scroll Chucks w/ 2pc Hard Rev. Jaws

Features:

- 3 jaw, self-centering scroll chuck with manual gripping
- Steel body extends machine life while providing higher rigidity and greater wear resistance
- Hardened and ground working surfaces ensure longer life with maintained accuracy and repeatability
- Balanced scroll plate and chuck allows higher rotation speeds without excess vibration
- Camlock mount

Application:

- This chuck is designed for all types of workshop machining operations on conventional lathes



3545

Size	Mount	Hole Size	Weight	Code No.	Reg. Price $	SALE $
8"	D1-6	2.1653"	39lbs	440980	2,601.60	1,951.20
10"	D1-6	2.9921"	64lbs	440985	3,601.20	2,700.90
12"	D1-11	4.0551"	110lbs	440995	5,000.50	3,750.38

Soft Top Jaws

Sold Individually

Chuck Dia.	Code No.	Reg. Price $	SALE $
8"	465115	74.70	56.03
10"	465120	92.10	69.08
12"	465125	115.60	86.70

E.M. PRECISE TOO LTD.

CUTTING TOOLS • PRECISION TOOLS • COOLANTS

216A Arvin Avenue, Stoney Creek, ON L8E 2L8

P: (905) 664-2644 | TF: 1 (800) 267-7569 | E: info@emprecise.com

Pricing valid from February 1 to April 30, 2021 or while quantities last.

We reserve the right to make changes without notice and accept no liabilities for mistakes and printing errors. All taxes extra.

Sowa Tool & Machine Co. Ltd.
500 Manitou Drive
Kitchener, Ontario
N2C 1L3

Western Canada Branch
9649-49th Ave
Edmonton, AB
T6E 5Z5

Toll Free: 1-800-265-8221
Phone: (519) 748-5750
Fax: (519) 748-9304
sales@sowatool.com
www.sowatool.com

Printed in Canada

CADIS50